



**Rainy River Resources Ltd
Western Warrior Resources Inc**

OFF LAKE WORKING OPTION

**Geological and Sampling
Assessment Report**

Menary, Senn, Potts and Fleming Twps
Jackfish Lake and Rainy Lake Areas

NTS 52C13NW
and 52C13NE

2-40284

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October 17, 2008.**

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Summary

In December of 2007, Rainy River Resources Ltd and Western Warrior Resources Inc entered into a 'Working Option' agreement for a 60% interest covering 41 contiguous claim blocks (9,276 hectares) in the Off Lake Area.

... "This optioned property adjoins Rainy River's promising Off Lake Property where prospecting, mechanical stripping and channel sampling recently uncovered values as high as 15.25 g/t Au, 7.66% Zn and 2.75% Cu in several new gold-rich VMS-type showings along the northeast shore of Off Lake. The new showings are situated 500 metres west of the common Rainy River/Western Warrior property line" (Press Release, Western Warrior Resources Inc., 17 December, 2007.

From May 11 to August 24, 2008 a mapping and sampling program was undertaken by employees of Rainy River Resources around Off Lake and Clearwater Lake (aka Burditt Lake) areas. Regional mapping was completed at 1:10,000 and sampling at 200m intervals. Detailed mapping was completed at 1:1,000 with appropriated sampling on known mineral showings. A total of 358 samples were collected with the following significant assays:

- 1) 0.63 g/t Au, 3.8 g/t Ag with elevated Cu in a quartz vein-chlorite-hematite (H098398),
- 2) 0.13% Ni in two samples of basalt with quartz +/- calcite-pyrite (H098460, H098462), and
- 3) elevated base metal values (Cu, Ni, Zn >100ppm) in 23 samples (Table 3a).

From August 1 to August 23, 2008, Stares Contracting of Thunder Bay was contracted for 21 days to complete mapping and sampling on the 404 Road claims. The claims were traversed, where possible, at 100-metre intervals in a north-south direction with 294 samples taken. The best assays returned were:

- 1) 10.2 g/t Au, 60.8 g/t Ag with elevated Cu-Pb in a quartz vein (C369679),
- 2) four other samples had 1.0-3.0 g/t gold values, silver values of 1.9-34.5 g/t +/- anomalous Cu-Pb-Zn,
- 3) 1.0 g/t Ag, 0.15% Cu, 1.42% Zn with elevated Ni in shear zone with quartz-Py-cPy (C369581), known as the Beven Showing.
- 4) elevated Ag-Cu-Ni-Pb-Zn in 26 other samples (Table 3b).

Stares Contracting also completed two days of prospecting around the shoreline of the Lake Despair claims with 30 samples taken. The best assay results were:

- 1) 1.1 g/t Ag and 0.10% Cu in felsite (C369831),
- 2) 0.7 g/t Ag, 0.05% Cu, 0.12% Zn and elevated Pb in sheared basalt (C369782),
- 3) elevated Ag-Cu-Zn values were also located in 2 quartz-bearing basalts.

1.0 INTRODUCTION

Geological mapping and sampling was completed by Rainy River Resources personnel on the Option claims to meet the work requirements of the 6 December, 2007 agreement, locate new mineral showings and to delineate possible drill targets. The 2008 mapping and sampling represent a preliminary geological evaluation. More detailed work is needed to define the geological history and potential of the area.

1.1 Location and Access

The property lies in northwestern Ontario approximately 32 kilometers north of Emo, Ontario. The property is centered on Latitude 48°95' North, Longitude 93°46' West. The property was evaluated by means of three separate exploration programs on the claim group (see Figure 1).

The northwestern portion of the property, known as the 404 Road claims area, is accessible by means of Road 404 and along with numerous branch roads.

The central and eastern portions of the property, known as the Clearwater claims, are accessible via Hwy 615, north from Emo, with several secondary and tertiary roads. The eastern portion of the property is accessible by logging roads, north of Indian Reserve 17B, across the Manomin Dam bridge and along the eastern side of Clearwater Lake.

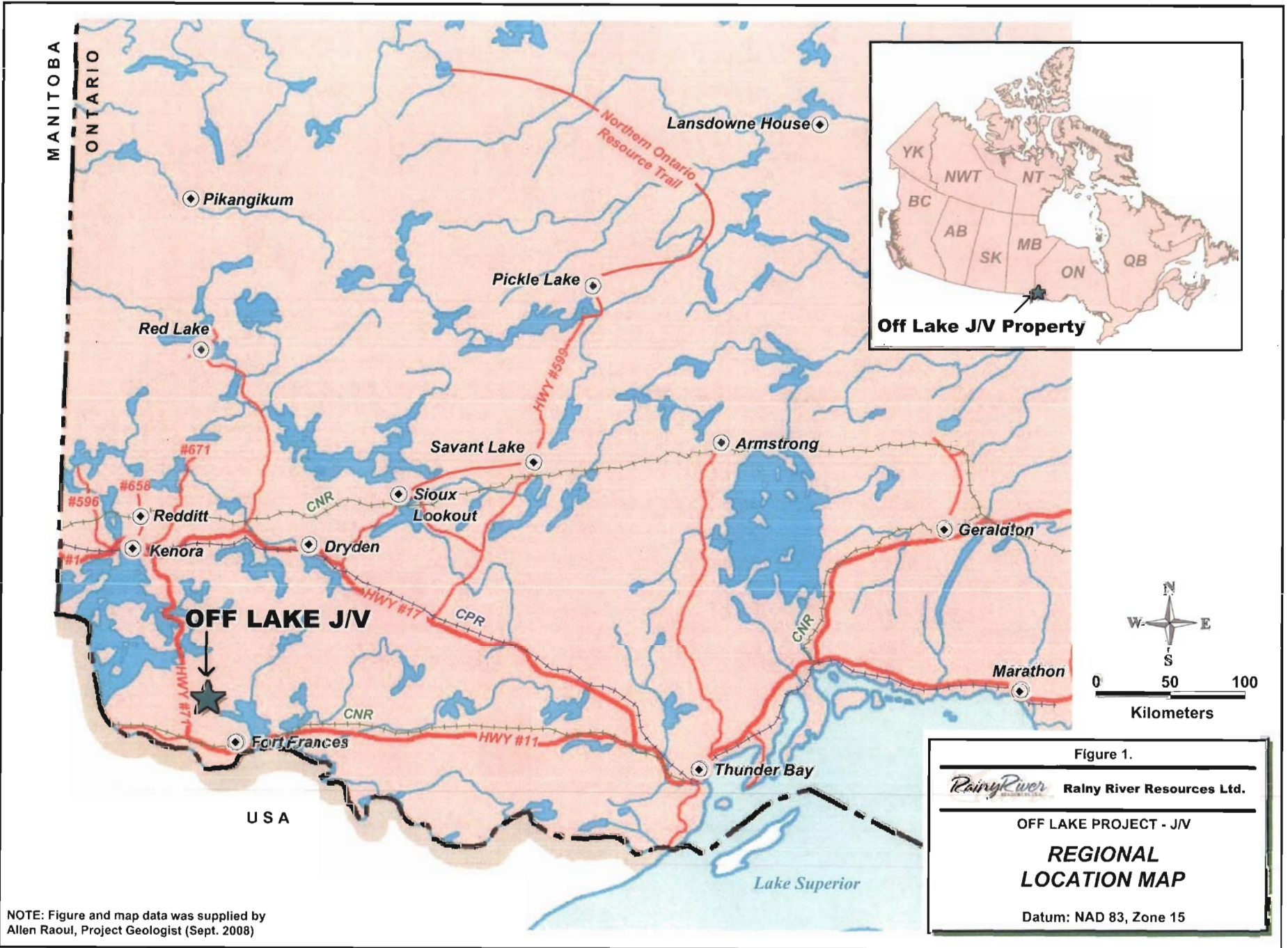
The southeastern portion of the property, known as the Lake Despair claims, is boat accessible from Clearwater Lake, with a portage at Manomin Dam bridge.

1.2 Claim Groups and Status

The Western Warrior Resources/Rainy River Resources Option claim group consists of 41 contiguous blocks (9276 hectares). The claims were original staked by Western Warrior Resources Inc in March and April of 2006. On December 17, 2007, a working option agreement for a 60% interest in these claims was acquired by Rainy River Resources Ltd. The three claim groups are (see Figure 2):

Table 1a: RRR-WWR Option – 404 Road Claims

Township/ Area	Claim Number	Recording Date	Claim Due Date	Percent Option	Work Required	Total Applied	Total Reserve	Claim Bank
MENARY	4201851	2006-Apr-12	2009-Apr-12	100%	\$6,400	\$6,400	\$0	\$0
SENN	4201852	2006-Apr-12	2009-Apr-12	100%	\$6,400	\$6,400	\$0	\$0
SENN	4201853	2006-Apr-12	2009-Apr-12	100%	\$6,400	\$6,400	\$0	\$0
SENN	4201854	2006-Apr-12	2009-Apr-12	100%	\$6,400	\$6,400	\$0	\$0
SENN	4201855	2006-Apr-12	2009-Apr-12	100%	\$6,400	\$6,400	\$0	\$0
SENN	4201856	2006-Apr-12	2009-Apr-12	100%	\$6,400	\$6,400	\$0	\$0



NOTE: Figure and map data was supplied by Allen Raoul, Project Geologist (Sept. 2008)

Figure 1.

Rainy River Rainy River Resources Ltd.

OFF LAKE PROJECT - J/V

REGIONAL LOCATION MAP

Datum: NAD 83, Zone 15

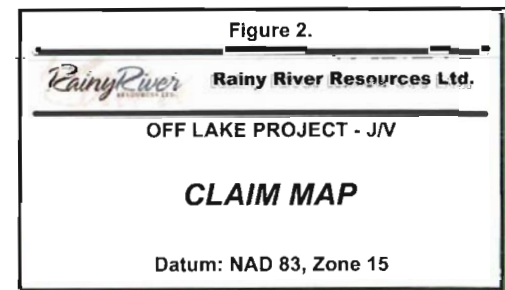
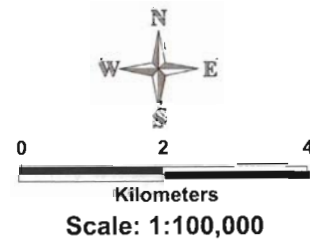
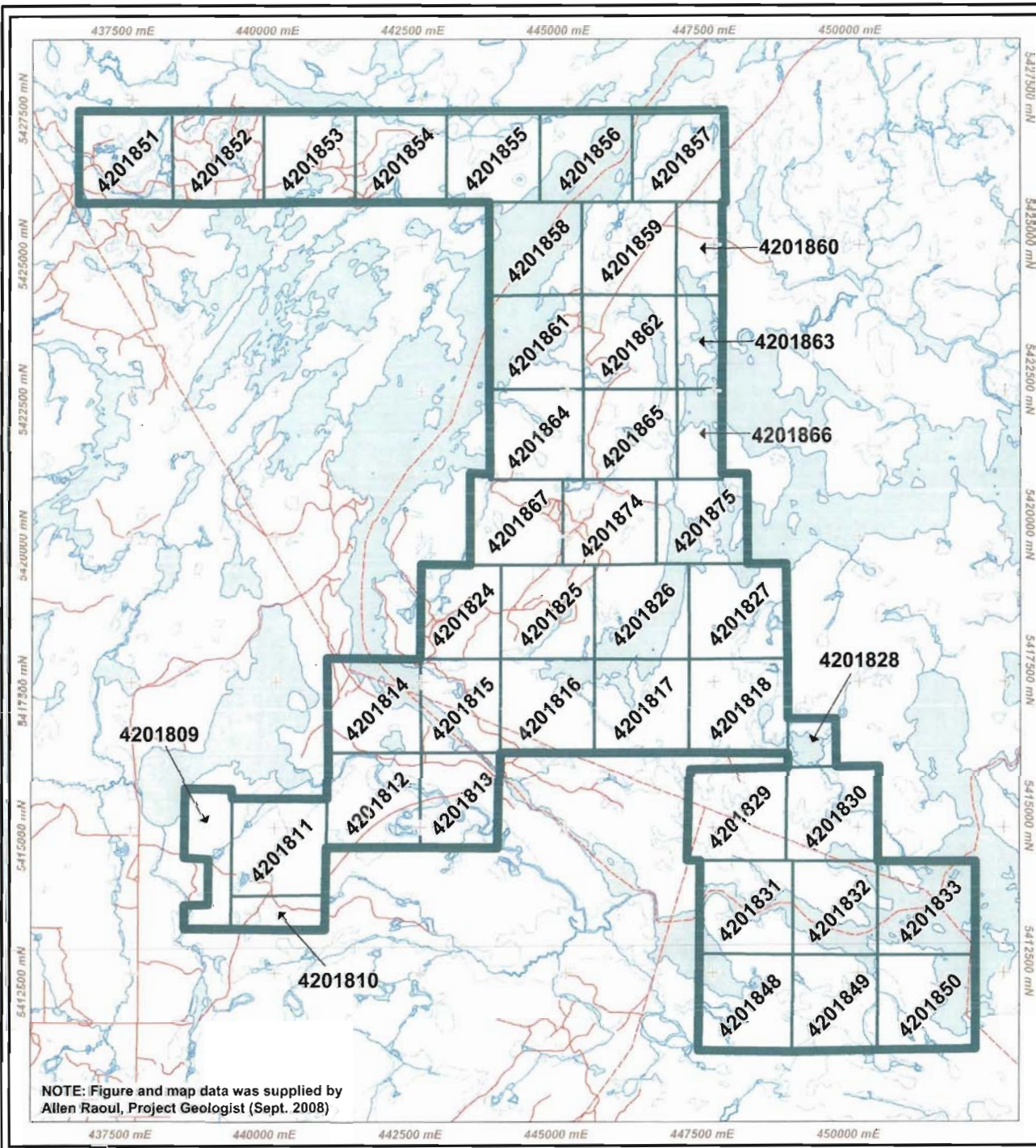
Table 1b: RRR-WWR Option - Clearwater Lake Claims

Township/ Area	Claim Number	Recording Date	Claim Due Date	Percent Option	Work Required	Total Applied	Total Reserve	Claim Bank
FLEMING	4201810	2006-Apr-10	2009-Apr-10	100%	\$2,400	\$2,400	\$0	\$0
FLEMING	4201811	2006-Apr-10	2009-Apr-10	100%	\$6,400	\$6,400	\$0	\$0
FLEMING	4201812	2006-Apr-10	2009-Apr-10	100%	\$6,400	\$6,400	\$0	\$0
FLEMING	4201813	2006-Apr-10	2009-Apr-10	100%	\$5,600	\$5,600	\$0	\$0
FLEMING	4201814	2006-Apr-10	2009-Apr-10	100%	\$6,400	\$6,400	\$0	\$0
FLEMING	4201815	2006-Apr-10	2009-Apr-10	100%	\$5,600	\$5,600	\$796	\$0
FLEMING	4201816	2006-Apr-10	2009-Apr-10	100%	\$6,400	\$6,400	\$0	\$0
FLEMING	4201817	2006-Apr-10	2009-Apr-10	100%	\$6,400	\$6,400	\$0	\$0
FLEMING	4201818	2006-Apr-10	2009-Apr-10	100%	\$6,400	\$6,400	\$0	\$0
FLEMING	4201829	2006-Apr-10	2009-Apr-10	100%	\$6,400	\$6,400	\$0	\$0
FLEMING	4201831	2006-Apr-10	2009-Apr-10	100%	\$6,400	\$6,400	\$0	\$0
JACKFISH LAKE	4201826	2006-Apr-10	2009-Apr-10	100%	\$6,400	\$6,400	\$0	\$0
JACKFISH LAKE	4201827	2006-Apr-10	2009-Apr-10	100%	\$6,400	\$6,400	\$0	\$0
JACKFISH LAKE	4201857	2006-Apr-12	2009-Apr-12	100%	\$6,400	\$6,400	\$0	\$0
JACKFISH LAKE	4201859	2006-Apr-12	2009-Apr-12	100%	\$6,400	\$6,400	\$0	\$0
JACKFISH LAKE	4201860	2006-Apr-12	2009-Apr-12	100%	\$3,200	\$3,200	\$0	\$0
JACKFISH LAKE	4201862	2006-Apr-12	2009-Apr-12	100%	\$6,400	\$6,400	\$0	\$0
JACKFISH LAKE	4201863	2006-Apr-12	2009-Apr-12	100%	\$3,200	\$3,200	\$0	\$0
JACKFISH LAKE	4201865	2006-Apr-12	2009-Apr-12	100%	\$6,400	\$6,400	\$0	\$0
JACKFISH LAKE	4201866	2006-Apr-12	2009-Apr-12	100%	\$3,200	\$3,200	\$0	\$0
POTTS	4201809	2006-Apr-10	2009-Apr-10	100%	\$4,000	\$4,000	\$0	\$0
SENN	4201824	2006-Apr-10	2009-Apr-10	100%	\$5,600	\$5,600	\$0	\$0
SENN	4201825	2006-Apr-10	2009-Apr-10	100%	\$6,400	\$6,400	\$0	\$0
SENN	4201855	2006-Apr-12	2009-Apr-12	100%	\$6,400	\$6,400	\$0	\$0
SENN	4201856	2006-Apr-12	2009-Apr-12	100%	\$6,400	\$6,400	\$0	\$0
SENN	4201858	2006-Apr-12	2009-Apr-12	100%	\$6,400	\$6,400	\$0	\$0
SENN	4201861	2006-Apr-12	2009-Apr-12	100%	\$6,400	\$6,400	\$0	\$0
SENN	4201864	2006-Apr-12	2009-Apr-12	100%	\$6,400	\$6,400	\$0	\$0
SENN	4201867	2006-Apr-12	2009-Apr-12	100%	\$6,400	\$6,400	\$0	\$0
SENN	4201874	2006-Apr-12	2009-Apr-12	100%	\$6,400	\$6,400	\$0	\$0
SENN	4201875	2006-Apr-12	2009-Apr-12	100%	\$6,400	\$6,400	\$0	\$0

Note: Claims 4201855 and 4201856 were included in tables 1a and 1b as they were included in each claim group's exploration program.

Table 1c: RRR-WWR Option – Lake Despair Claims

Township/ Area	Claim Number	Recording Date	Claim Due Date	Percent Option	Work Required	Total Applied	Total Reserve	Claim Bank
FLEMING	4201829	2006-Apr-10	2009-Apr-10	100%	\$6,400	\$6,400	\$0	\$0
FLEMING	4201831	2006-Apr-10	2009-Apr-10	100%	\$6,400	\$6,400	\$0	\$0
FLEMING	4201848	2006-Apr-10	2008-Jul-11	100%	\$500	\$5,900	\$0	\$0
JACKFISH LAKE	4201828	2006-Apr-10	2009-Apr-10	100%	\$1,600	\$1,600	\$0	\$0
JACKFISH LAKE	4201830	2006-Apr-10	2009-Apr-10	100%	\$6,400	\$6,400	\$0	\$0
JACKFISH LAKE	4201832	2006-Apr-10	2009-Apr-10	100%	\$6,000	\$6,000	\$0	\$0
JACKFISH LAKE	4201833	2006-Apr-10	2008-Jul-11	100%	\$6,400	\$0	\$0	\$0
RAINY LK – NW BAY	4201849	2006-Apr-10	2009-Apr-10	100%	\$6,000	\$6,000	\$0	\$0
RAINY LK – NW BAY	4201850	2006-Apr-10	2008-Jul-11	100%	\$6,400	\$0	\$0	\$0



1.3 Historical Work

The following table summarizes previous exploration in the Off Lake area:

Table 2: Off Lake Option Claims		
Year	Company	Work Done
1956 & 1960	E. Corrigan & D. Young	Four DDH on western shore of Off Lake hit Py-cPy-mag in quartz veins. Six DDH on southern shore of Off Lake hit Py-cPy in feldspar porphyry dikes. No assays reported. (<i>KAF 52C13NW C-1,2</i>)
1967	A. Dunge / Noranda	Copper discovered NW shore Off Lake from well drilling and optioned to Noranda. Geophysical surveys (EM, Mag & IP); 3 DDH located sulphide horizons in rhyolite, andesite and QFP with Py-cPy-Po mineralization. Assayed 0.36% Cu over 1.5m. Weakly elevated gold values in 2 holes. (<i>KAF 52C13NW B-1 to B-4</i>)
1971	INCO / Hudson Bay Oil & Gas	Ground EM, airborne EM, MAG but no known discoveries made (<i>KAF unknown</i>).
1971	Phelps Dodge	Staked at Burditt, Lake, Off Lake, Lake Despair.
1972	C. Blackburn, O.G.S. (P741)	Preliminary geology map Off Lake - Burditt Lake Area at scale 1:31,680 with known mineral occurrences and previous exploration work.
1974	Hudson Bay Exploration and Development	HLEM survey, geological surveys, 2 DDH on Road 404. Located 3m of 5%Py, 5% Po, 1% Sphalerite and trace cPy. (<i>KAF 52C13NW A-1</i>)
1974	Conwest	Airborne EM survey and EM-16 survey
1976	C. Blackburn, O.G.S. (MR140)	Geology of the Off Lake-Burditt Lake Area (Map 2325). Report on the area with map at 1:63,360 with known mineral occurrences and previous exploration work.
1976	Kennecott	Geophysics
1983	Superior Prospecting Syndicate	Exploration on Burditt Lake and Off Lake.
1983-1985	Agassiz Resources	<u>Agassiz Showing</u> – 2.6m chlorite-calcite shear with quartz veins hosted in mafic volcanics with assays of 0.01–0.16 opt Au. <u>Off Lake Southeast</u> – grab samples up to 9 g/t Au in narrow, quartz veins on shoreline. (<i>KAF 52C13NW D-1 to D-7</i>)
1984	Superior Syndicate & Lacana Mining	VLF Survey & Exploration around Clearwater Lake. (<i>KAF 52C13NW E-1</i>)
1987-1988	A. Bajc, O.G.S.	Reconnaissance till sampling program.
1987	Sparton Resources I	IP and VLF surveys in the Off Lake area. Twelve IP anomalies were outlined.
1991-1995	Western Troy Capital	<u>Wagg Prospect</u> - 6 qtz veins, 0.5-2.0m wide, with significant gold assays (>0.1 to 3 oz/t Au); 346ozs Au produced from 1000t bulk sample (1993).

		<p><u>Agassiz Showing</u> - 3m shear with quartz lenses in QF dikes with 0.426 opt Au over 3.9m.</p> <p><u>West (Agassiz) Showing</u> – 010-020°V lenses of quartz with pyrite-chlorite with assays of 0.036-2.99 opt Au.</p> <p><u>Dillman 1 & 2</u> – E-W trending quartz veins in sil-chl altered mafic volcanics with samples averaging 0.20-0.75 opt Au.</p> <p><u>Dillman Shear</u> – 0.5m shear zone, Qtz/Py averaged 0.50 opt Au</p> <p><u>Galbraith A</u> – narrow, quartz veins with >3 opt.</p> <p><u>Galbraith B</u> – narrow, quartz veins with >1 opt and anomalous gold in porphyry (0.011 opt).</p> <p><u>Galbraith C</u> – quartz rubble assayed >1 opt Au and porphyry assay >0.15 opt Au. (KAF 52C13NW H1- to H-5)</p>
1994	Noranda (NOREX)	Optioned claims north end of Off Lake to Nuinsco Resources.
1995	Nuinsco Resources	Mapping, geophysics and 3 DDH program. Best assay 1.6m of 4.5g/t Au & 27g/t Ag and further down hole hit 0.5m of 3.9 g/t Au & 22g/t Ag. (KAF 52C13NW I-1 to I-3)
2001	A. Bajc, O.G.S. (MR286)	Quaternary Geology of the Fort Frances – Rainy Lake Area (Map 2572). Regional 1:50,000 mapping of the area for quaternary deposits and features.
2004	Stares Contracting	Prospecting NE corner of Off Lake located 11.0% Zn, 4.3% Cu, 4372g/t Ag and 10.3g/t Au. Known as the Stares Occurrence (Hydro One power line).
2006	Rainy River Resources	Airborne Time Domain Electromagnetic survey over Off Lake Property of Rainy River. (KAF 52C13NW, Q-1)
2007	Rainy River Resources	Three DDH (756m) northeast corner of Off Lake. DDH OL07-01 hit 1.5m of 2.21 g/t Au in Will Showing DDH OL07-02 hit 56m carbonate altered shear zone in mafic volcanics with felsic dikes. DDH OL-07-03 intersected FP and Q/Cb stringers +/- galena and thin zones of >3% sphalerite. Best gold was 0.38 g/t Au over 1m. (KAF 52C13NW, Q-2)
2007	Rainy River Resources	Geological Report on the Off Lake Property of Rainy River Resources by Dr. L. Ayers & A. Tims (Jan. 2007). Mineralization related to porphyry-style mineralization with Au-Ag-Cu-Zn-Pb at Stares Option, Cu in mafic volcanics at the NW corner of Off Lake and Au in felsic dikes (2.92 g/t Au) complex. (KAF 52C13NW, Q-3)
2007	Rainy River Resources	Jan of 2007, glacial till sampling was completed by Overburden Drilling Management on the Off Lake Property. Fifty-nine samples of heavy mineral geochemical pit sampling were collected. Anomalous Au with best was 53 grains (avg 1-10 grains), and Cu, Pb, Zn, Ni, Ag were located. (KAF 52C13NW Q-4)

2007	Rainy River Resources	Refinement of the Eastern Contact of the Off Lake Felsic Dike Complex and Assessment and Genesis of associated Py-Po-Sph-cPy-Au-Ag mineralization (Jan. 2008). Mineralization concentrated along eastern contact of Off Lake Felsic Dike Complex with metagabbro.
2007	Western Warrior Resources	Airborne Geophysical Survey (high resolution airborne magnetic) was completed over the entire Pipestone Property. (KAF 52F04NE, EE-1)

KAF – Kenora Assessment Files, Resident Geologists Office, Ontario Geological Survey

2.0 GEOLOGY

2.1 Regional Geology

The following regional geology is taken from Baker, 2006...

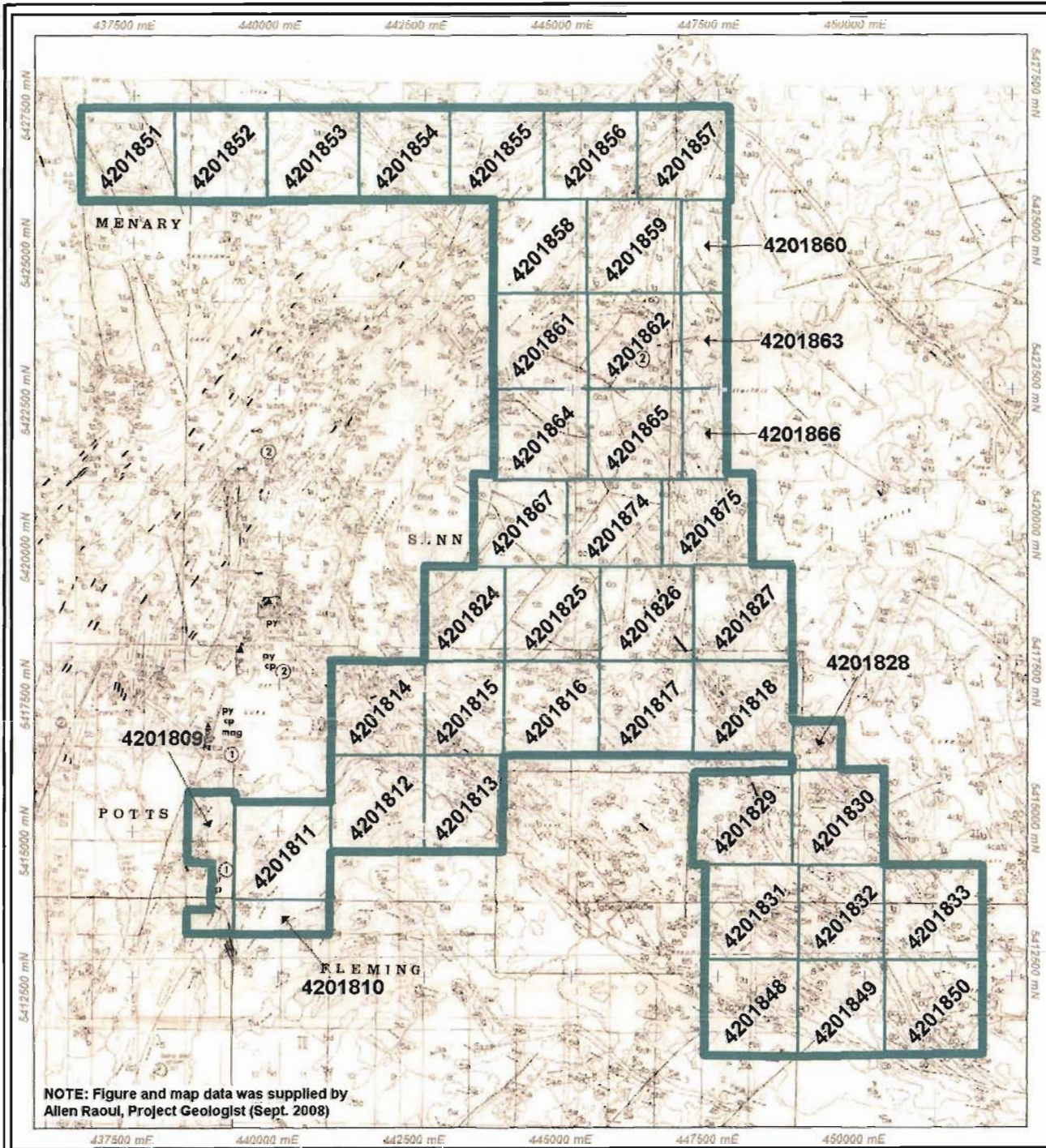
...“The property occurs within the Archean-age volcanic and metasedimentary rocks of the Rainy River Greenstone Belt (RRGB) in the Western Wabigoon Subprovince of the Superior Province. The metavolcanics of the RRGB maintain their trend northeast of the property, eventually merging with the Pipestone and Kakagi Lake greenstone belts in a “Y”-shaped junction.”

“Felsic to intermediate plutonic rocks underlies most of the property area. The volcanic belt lies between the trondhjemitic Sabaskong Batholith to the northwest, the granodioritic to dioritic Jackfish Lake Complex to the east, and the Fleming Township trondhjemites to the southeast (Figure 3). Three stocks intrude and lie completely within the volcanic belt: the Blackhawk Stock, a porphyritic granodiorite body with a monzogranitic marginal zone; the Finland Stock, a heterogeneous quartz monzonitic to dioritic body; and the granodioritic Burditt Lake Stock. The stocks have deflected bedding radially around the intrusions.”

“Blackburn (1976) outlined a number of correlations between magnetic intensity and geology. Magnetic intensity is generally higher over metavolcanics than over adjacent felsic and intermediate plutonic rocks. Major deformation of the metavolcanics was synchronous with plutonic activity. The main structural trend of the greenstone belt is northeast-southwest. Tensional tectonics, with associated intrusion of diabase dikes, postdate the major episode of compressional tectonics.”

“A northwest-trending swarm of Middle to Late Precambrian diabase dikes crosscut all other and postdates the major deformation. Regional metamorphism increases from lower greenschist facies grade in the centre of the volcanic belt to lower amphibolite facies grade toward the belt margins.”

“The southern part of the region is transected by the Quetico Fault, although the surface projection of the fault is only conjectured in the West. The fault is traceable for over 200km and in part defines the southern boundary of the Wabigoon Subprovince to the east of the project region”.



Legend

- Off Lake J/V Boundary
- Off Lake J/V Claims

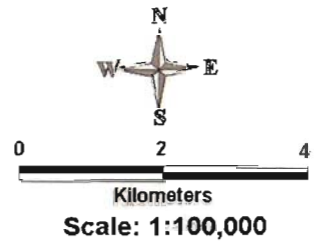


Figure 3.

Rainy River Rainy River Resources Ltd.

OFF LAKE PROJECT - J/V

HISTORICAL MAPPING
P0741 & P0742; Blackburn, C.E. (1972)

Datum: NAD 83, Zone 15

2.2 Local Geology

The following local geology of the Off Lake Option claims is from Baker, 2006...

...“The local geology of the Off Lake Property is taken mostly from Blackburn’s (1976) report. The thick Early Precambrian metavolcanic assemblage is the Off Lake - Burditt Lake area occupies a northeast-southwest belt, which is 8 kilometers in width. On the northwestern flank of the belt, a mixed mafic sequence of massive lava, porphyritic basalt and pillow lava is overlain by a mixed sequence of massive lava, pillow lava, porphyritic lava and pyroclastic rocks. This lower mafic sequence is intruded by numerous quartz-feldspar porphyry dikes. An upper sequence of mixed mafic to felsic metavolcanics outcrops extensively on the shores of Off and Burditt Lakes in the centre of the belt. Felsic to intermediate metavolcanics consist of fine to coarse-grained pyroclastic rocks, quartz-feldspar porphyry, and minor dacite and rhyolite; mafic metavolcanics consist of thin massive and pillowed lavas.”

“In the vicinity of the property, the metavolcanic succession has been interpreted to be homoclinal and southeast facing and to consist of two distinct cycles (Blackburn, 1976). An upper sequence of mixed mafic to felsic metavolcanics overlies an older sequence of massive, pillow and porphyritic mafic flows. The lower sequence is host to numerous dikes, sills and small stocks of felsic porphyry believed to be emplaced concurrent with the second cycle of volcanism.”

“Northwest-trending diabase dikes postdate regional metamorphism and all felsic intrusive activity. Northeast-southwest shearing likely accompanied dike emplacement as indicated by the minor offsets of some dikes along northeasterly trending lineaments.”

“Unconsolidated Pleistocene deposits, consisting of boulder and cobble dominated sandy tills, occur as thin discontinuous layer of bedrock cover in the area northwest of Burditt Lake. Sands and clays are present in minor amounts in low lying, well drained areas. Recent sediments consist of organic debris which has been accumulating in swamps and bogs.”

Regional mapping and sampling by Rainy River Resources consultant, Dr. Lorne Ayres, around Off Lake and Clearwater Lake areas re-defined the previous mapping by Blackburn (1976). Ayres’ 2007 mapping identified that...

“These felsic units overlie, and also occur in, the upper part of a lower mafic metavolcanic, pillowed and non-pillowed, lava flow sequence that was intruded by metagabbro. The width of the metavolcanic sequence is at least 9 km, but the original thickness is unknown because of extensive flattening of the units.”

“The felsic metavolcanic sequence, as previously mapped, actually comprises two distinct lithologies: felsic volcanoclastic units (see Unit 2 below) and sub-volcanic, quartz +/- plagioclase phyrific felsic intrusions (see Unit 6 below).”

2.3 Property Geology

From May to August of 2008, a regional mapping and sampling program was completed by Rainy River Resources personnel around the Clearwater Lake option claims. The regional mapping and sampling was completed at a scale of 1:10,000. Each separate lithological and structural unit was sampled plus broad-scale sampling every 200 metres along continuous units. In areas of high mineral potential, detailed mapping and sampling was completed at a scale of 1:1000.

The following geological units were identified by the 2008 exploration program on the Clearwater claims. These units are defined below and are represented on the geological and sampling maps in Appendix E:

Unit 8: Diabase Dikes

Medium to coarse-grained, spotted to dark grey, massive unit of diabase/gabbro with 1-2% olivine +/- magnetite.

Unit 7: Late Mafic Dikes

Fine-grained, green to black, mafic to ultramafic dikes of basalt to peridotite. May have carbonate alteration producing serpentine.

Unit 6: Felsic Dike Complex

6a: Felsic Dike

Fine to medium-grained, light to medium grey, felsic dike with 1-3% blue to grey quartz eyes or 1-3% plagioclase phenocrysts. May contain trace-1% pyrite; trending 020-30° but dip vertically or 80° east. Quartz veinlets (<1cm) are rare.

6b: Sheared Felsic Dike:

Fine-grained, grey to reddish-grey to green, altered felsic dike. Alteration consist of >10% weak silica +/- calcite - chlorite - hematite associated with regional fracturing or shearing (000°/vertical to 030°/80°E). Late quartz veins (<1 to >30cm) infill these structures and may contain trace-2% pyrite, trace-2% fuchsite, rare galena or molybdenite.

6c: Altered Felsic Dikes:

Fine-grained, near black, chlorite altered (Fe-rich) felsic dike with 2-5% blue quartz eyes. Alteration consist of >10% black chlorite with weak shearing (020°/vertical to 050°/80°E). Late quartz veins (<1 cm) are long fractures/shearing with trace pyrite.

Unit 5: Granite Intrusive Units

5a: Monzogranite (Burditt South Lobe)

A medium to coarse grained, tan to pink, massive, equigranular, monzogranite +/- syenogranite and rare basalt xenoliths (<1%). Minor fracturing infilled with 300°-trending aplitic dikes (5-30cm) with minor silica alteration or quartz veins and trace-1% pyrite.

5b: Porphyritic (Burditt North Lobe)

A medium grained, pink, massive, syenogranite with 15% coarse phenocrysts of pink or grey Kspar (>1 cm). Contains > 5-10% amphibole with weak-moderate chlorite-epidote alteration along rims and trace mafic xenoliths. Rare aplitic dikes (<10cm) trending 300°/vertical.

5c: Monzogranite (Fleming-Kingsford)

A medium grained, grey to pink, massive to weakly foliated (280-290°/vertical), monzogranite. With fracturing at 075°/vertical then at 350°/vertical containing aplite dikes (0.1-1.5m) or later white quartz veins (2-10cm) in monzogranite or aplite dikes.

5d: Foliated Monzogranite (Fleming-Kingsford)

Similar to 5c with localized zones of moderate stronger foliation and >10% amphibole-chlorite +/- epidote near major fracture zones.

5e: Late Felsic Dikes:

Fine to medium-grained, light to dark grey, felsic dike with 1-3% blue to grey quartz eyes and trace pyrite; trending 020-30° but dip vertical to 80° east.

5f: Aplite Dikes:

Fine-grained, pale pink, sugary texture, aplitic dike with rare pyrite and small quartz veins.

Unit 4: Granitoid-Intermediate Intrusive Complex (Jackfish-Weller)

4a: Diorite:

Fine to medium grained, spotted to grey, massive to foliated (040-050°), diorite. Highly variable grain size due to foliation and rare quartz veins.

4b: Quartz Diorite

Medium grained, grey, massive diorite with 3-10% quartz crystals. No visible veins.

Unit 3: Mafic Intrusions

3a: Gabbro

Medium-grained, dark greenish-gray to black, massive gabbro with 70% mafic minerals (pyx-hbl), trace-2% Py-Po and thin (<10cm) quartz veins that trend (030-060°/V).

3b: Foliated Gabbro

Fine-grained, dark grey to dark green, moderately to strongly foliated (or weakly sheared) gabbro with weak chlorite +/- carbonate alteration, trending 030°/V. Trace-2% Py-Po-cPy with foliated quartz veins.

Unit 2: Metasediments (Clearwater Lake)

These have been interpreted by Ayers' as felsic volcanoclastic unit. For mapping purposes, they have interpreted as interbedded quartzites (meta-arenites, meta-arkose, meta-greywackes) with minor meta-conglomerate with moderate bedding. These units have bedding. These units have been metamorphosed to low to middle amphibolite facies.

2a: Meta-Arenite

A medium-grained, light to medium grey, bedded to weakly foliated unit of >90% quartz grains. Bedding at 030°/80°E north end of Clearwater Lake or 300°/80°E south end of Clearwater Lake. Good bedding features, such as scour marks, cross-bedding, etc located on east side of Clearwater Lake.

2b: Meta-Arkose

A medium-grained, grey, bedded, arkose with quartz-feldspar dominated with <5% mafics. Bedding at 030°/80°E north end of Clearwater Lake or 300°/80°E south end of Clearwater Lake.

2c: Meta-Greywacke

A medium-grained, medium grey (with greenish tint), massive greywacke with moderate to high-grade (amphibolitized) matrix of quartz-Kspar-plag-chl-biot with minor quartz (<2%).

2d: Meta-Conglomerate

A grey to brown unit of >20-70% clasts (2-30cm) of quartzite (arenite, arkose, greywacke) and minor basalt in an arkosic to greywacke matrix. Unit is trending 030°/V to 050°/80°E with rare parallel quartz veins and trace pyrite.

Unit 1: Meta-Mafic Volcanics

Massive mafic flows with minor pillow basalts and rare mafic tuffs. These units have been metamorphosed to middle to upper greenschist facies and may contain carbonate-chlorite alteration. Increased alteration associated with high strain zones and regional structures.

1a: Massive Mafic Flows

Fine to medium-grained, grey to black, massive to blocky, basaltic flows with minor (<2%) chlorite or carbonate alteration and trace-1% pyrite.

1b: Mafic Pillowed Flows

Fine-grained, greenish-grey, basalt with pillows varying from 0.1-1.0m wide along the strain direction; younging directions variable due to location. Chlorite-biotite-carbonate alteration between selvages and rare vesicles that are open or infilled with calcite.

1c: Mafic Tuffs

Fine-grained, green, weakly chlorite +/- carbonate (<10%) altered mafic tuff with 1% pyrite and thin quartz veins. Trending parallel to regional structures.

3.0 2008 EXPLORATION PROGRAM

Three separate exploration programs were executed on the Off Lake Option claims.

- *Clearwater Lake Claims* – Geological mapping and sampling by Rainy Resources personnel on these central claims. There were 358 samples taken with one anomalous assay and 25 elevated assay values.
- *404 Road Claims* – Prospecting traverses and sampling by Stares Contracting on the north western claims. There were 294 samples taken with 6 anomalous assays and 26 elevated assay values.
- *Lake Despair Claims* - Shoreline prospecting and sampling by Stares Contracting on south eastern claim group. There were 30 samples taken with 2 anomalous assays and 2 elevated assay values

The author used the following criteria for sample comparison:

	Au ppb	Ag ppm	Pt ppb	Pd ppb	Cu ppm	Ni ppm	Pb ppm	Zn ppm
Anomalous	>500	>1.0	>200	>200	>1000	>1000	>1000	>1000
Elevated	>100	>0.5	>50	>50	>100	>100	>100	>100
Background	<10	<0.2	<10	<10	<50	<50	<50	<50

All of these samples taken were analyzed by ALS Chemex of Thunder Bay, for:

- 1) gold (Au-AA23) using a 30g sample with FA-AAS finish,
- 2) multi-elements (ME-ICP41) using a 35 element aqua regia with an ICP-AES finish,
- 3) gold, platinum and palladium (PGM-ICP23) using a 30g samples with FA-AAS finish on selected samples.

The samples were wrapped in sterile 6 mil sample bags and sealed with cable ties. They were transport by Rainy River Resources personnel to Gardewine North in Fort Frances, Ontario. They were then shipped via Gardewine North in Fort Frances to Gardewine North in Thunder Bay. The samples were then picked up by ALS Chemex personnel and processed at their Thunder Bay facility. Assay results were returned to the author within 7 days on 'rush orders' and up to 20 days on 'regular' sample submissions.

3.1 Clearwater Lake Sampling Program

From May to August of 2008, a regional mapping and sampling program was completed by Rainy River Resources personnel around the Clearwater Lake Option claims. The personnel consisted of Allen Raoul (project geologist), Karlie Shorrocks (junior geologist), Laura Raynaud (geological assistant) and Tzuki Nemoto (geological assistant). Mr. C.J. Baker, Rainy River Resources' regional exploration manager, completed work intermittently on the property and consulted with the field crew.

The regional mapping and sampling was completed at a scale of 1:10,000. Each separate lithological and structural unit was sampled plus broad-scale sampling completed every 200 metres along continuous units. In areas of high mineral potential, detailed mapping and sampling was completed at a scale of 1:1000.

The Rainy River Resources field crew collected a total of 358 samples. The sample descriptions are listed in **Appendix A**, the sample locations with assays are listed **Appendix B** and plotted at 1:5 000 in **Appendix E** while the assays certificates are listed in **Appendix D**. The best assay results were:

- 1) 0.63 g/t Au, 3.8 g/t Ag with elevated Cu in a quartz vein–chlorite-hematite (H098398),
- 2) 0.13% Ni in two samples of basalt with quartz +/- calcite-pyrite (H098460, H098462), and
- 3) elevated base metal values (Cu, Ni, Zn >100ppm) in 23 samples.

One anomalous sample and twenty-five elevated samples were located from this sampling program. Selected elevated and anomalous assays are bolded and presented in Table 3a. They were:

Table 3a: Elevated or Anomalous Assays – Clearwater Lake Claims

SAMPLE	Descriptions	Northing	Easting	Ag	As	Cr	Cu	Fe	Ni	Pb	S	Zn	Au (FA)
				ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
H098002	B- Rusty arkose/ bst + QV-Py	5416568	443818	0.2	124	229	178	10.10	460	5	0.05	113	<0.005
H098025	B- rusty mafic frag+ ank-silc-Py	5423360	445492	<0.2	<2	717	8	5.54	665	<2	0.03	28	<0.005
H098037	greywacke	5424233	446063	<0.2	<2	1180	3	2.23	270	<2	0.03	50	<0.005

H098056	B - rusty arkose +silic-calc-ank	5420949	444639	<0.2	170	1530	179	6.52	456	3	0.04	60	0.010
H098099	B - rusty bst + silic-fuch-chl	5415351	441979	<0.2	55	377	98	4.43	317	11	0.03	104	<0.005
H098108	foliated gabbro	5416103	442606	<0.2	<2	26	200	2.29	16	<2	<0.01	20	<0.005
H098112	B- rusty sed + silic	5415929	442660	<0.2	1080	1485	7	6.17	706	<2	0.02	32	<0.005
H098127	Gabbro + tr Py	5416852	440943	0.5	2	5	388	4.26	11	<2	0.22	31	0.027
H098128	Gabbro + calcite	5416852	440943	0.8	<2	5	184	5.16	6	<2	0.30	22	0.032
H098130	B12 - Basalt + 5% Py	5416852	440943	0.8	<2	4	160	11.95	15	<2	4.87	41	0.019
H098219	Pillow Basalt	5416633	440933	0.5	<2	62	149	5.49	32	<2	0.04	61	0.017
H098229	Silic altered Arkose	5416915	442531	2.0	2	141	180	2.99	67	<2	0.10	23	0.006
H098393	Arkose with tr Py-hem	5415140	441227	1.5	2	6	805	2.39	25	4	0.14	18	0.065
H098394	Chi Gabbro + 3% Py-Po-cPy with qv	5414531	438584	0.2	<2	7	155	2.28	16	<2	0.05	17	
H098398	QV-chl-hem	5414718	438586	3.8	2	6	219	2.32	17	3	<0.01	8	0.636
H098460	Basalt with qv-Py	5427160	446419	<0.2	2	1615	8	2.91	1265	<2	0.02	7	<0.005
H098462	Basalt with qv-calc	5426524	445372	<0.2	3	679	6	2.46	1245	<2	0.03	6	<0.005
H098476	Felsic dike with 3% Py	5425589	443997	<0.2	3	33	157	8.93	34	<2	0.11	148	<0.005
H098481	Mafic fragmental with tr Py	5425685	444093	<0.2	<2	177	29	8.46	114	<2	0.09	122	<0.005
H098488	Carb Alt Meta-basalt + tr Py	5426049	444524	<0.2	7	901	10	7.43	367	<2	0.09	148	<0.005
H098489	Sheared basalt	5416979	441178	0.4	<2	465	<1	6.46	145	<2	<0.01	134	<0.005
H098494	Meta-basalt with 3-5% Py	5417114	440947	0.5	2	29	159	5.46	40	<2	1.21	135	0.005
C371001	Amygdaloidal basalt and tr Py	5426216	444650	<0.2	<2	72	126	9.33	56	<2	0.40	122	<0.005
C371275	Felsic Dike with qtz-plag phenocrysts	5417622	440915	<0.2	3	49	106	6.75	46	2	0.17	151	<0.005
C371330	Basalt with hem alt shears	5414664	438500	0.6	<2	96	761	2.38	29	<2	0.12	19	<0.005
C371332	Gabbro / Felsite Dike >50% epid-chl-silic alt	5414842	438560	0.5	3	7	144	0.67	3	<2	0.02	4	<0.005

Note: B- boulder

3.2 404 Road Sampling Program

In August of 2008, Stares Contracting of Thunder Bay was contracted to complete sampling over a period of 21 days along the area known as the Highway 404 Claims. The field crew consisted of S. Morton (crew leader), C. Porter (prospector) and B. Burnell (prospector). 404 Road claims were traversed, where possible, at 100 metre intervals in a north-south direction. The focus of their sampling was: oxidization or sulphide zones, quartz or quartz-carbonate veins, structures (shears & faults), lithological boundaries or other targets that could contain anomalous mineralization.

The Stares Contracting field crew collected a total of 294 samples on the Road 404 claims. Sample descriptions with assays are listed **Appendix C**. Sample locations are plotted at 1:5 000 in **Appendix E** and the assay certificates are compiled in **Appendix D**. The best assay results were:

- 1) 10.2 g/t Au, 60.8 g/t Ag with elevated Cu-Pb in quartz vein (C369679),
- 2) four other samples had gold values 1.0-3.0 g/t Au, silver values of 1.9-34.5 g/t Ag +/- anomalous Cu-Pb-Zn,
- 3) 1.0 g/t Ag, 0.15% Cu, 1.42% Zn with elevated Ni in shear zone with quartz-py-cpy (C369581) and
- 4) elevated Ag-Cu-Ni-Pb-Zn in 26 other samples.

Six anomalous samples and twenty-six elevated samples were returned from this sampling program. Selected elevated (black) and anomalous (red) assays are bolded and presented in Table 3b. They were:

Table 3b: Elevated or Anomalous Assays – 404 Road Claims

SAMPLE	Descriptions	Northing	Easting	Ag	As	Cr	Cu	Fe	Ni	Pb	S	Zn	Au (FA)
				ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppb
369502	Qtz vein, 4" wide, cPy-Py	5426866	436774	6.0	<2	11	1525	3.4	4	<2	2.98	3	411
369503	Qtz, f.g., trench found on contact in qtz, cPy, Py.	5426876	436775	1.4	<2	68	434	6.98	64	2	0.98	70	73
369504	Qtz, 1.5' wide, magnetic, Py.	5426053	437185	0.9	<2	34	798	6.25	93	31	3.13	3740	20
369507	Gabbro, qtz vein, Py	5426598	437616	1.3	2	20	822	7.17	129	3	5.94	715	61
369508	Gabbro, massive, Py.	5426598	437616	1.5	10	81	2730	17.4	114	3	>10.0	3950	21
369509	Gabbro, quartz, Py.	5426617	437630	0.7	3	36	548	5.83	39	9	2.47	1280	15
369516	Basalt, quartz, Py.	5427062	437230	0.5	<2	37	950	6.76	121	4	4.02	441	5
369527	Basalt, f.g., rusted, Py.	5427077	437745	0.6	<2	33	781	3.91	98	4	2.49	1290	12
369528	Basalt, f.g., rusted, Py.	5426320	437712	0.7	<2	40	831	6.14	62	<2	1.86	3200	24
369553	Basalt rusted qtz, Py	5425679	436790	1.5	4	42	798	10.95	269	5	2.73	2640	16
369578	Basalt, Py.	5426747	440876	0.6	3	52	241	4.05	103	4	1.37	41	<5
369580	Shear zone with qtz-Py-cPy	5427069	437746	0.7	<2	50	1100	5.79	168	5	3.55	3520	17
369581	Shear zone with qtz-Py-cpPy	5427075	437744	1.0	<2	52	1520	13.7	283	7	8.46	14,200	14
369582	Shear zone with qtz-Py-cPy	5427078	437744	0.5	<2	76	318	5.58	64	3	0.79	311	<5
369584	Rusty Boulder with qtz-Py-cPy	5426559	442595	4.2	<2	17	1670	3.25	39	7	0.71	56	2150
369585	Basalt with silc-Py	5426265	442274	2.0	<2	92	509	6.76	83	3	1	205	500
369613	Felsic outcrop with 5% qtz, 5%Py-2%cPy	5427174	439683	0.3	2	116	53	6.25	107	5	0.23	77	288
369643	Felsic, f.g., Ank 1% Py.	5426166	442292	1.2	<2	103	1200	6.56	76	2	0.4	222	31
369646	Quartz with 30% Fe-carb-fuch + 10% Py-cPy	5426730	442529	15.2	<2	67	20	6.45	147	9	1.68	154	3010
369648	Qtz vein, trace Py +cPy.	5426517	443003	13.5	<2	16	6	0.82	2	168	0.1	5	76
369670	Gabbro, Py	5425870	441207	0.6	<2	<1	776	8.61	22	<2	1.47	65	13
369671	Gabbro, Py	5426172	441182	1.1	<2	231	675	6.35	67	2	0.79	59	26
369673	Mafic, Py	5426399	441708	0.9	12	23	467	6.11	22	<2	0.85	44	<5
369678	Qtz, + Py-cPy	5426571	442600	1.9	<2	6	505	1.83	18	3	0.39	26	1285
369679	Qtz, rusted, Py.	5426563	442603	60.8	<2	8	134	2.92	11	117	1.49	47	10200

369693	Qtz vein, 1.2m , tr Py	5426545	442932	37.3	<2	10	7	0.99	2	185	0.11	11	266
369694	Qtz vein, 20cm, Py	5426553	442945	7.5	<2	11	21	0.88	3	27	0.22	24	99
369696	Andesitic, qtz, Py.	5426321	443095	34.5	<2	5	18	1.65	5	30	0.53	12	1055
369716	Basalt	5426485	444613	0.5	<2	11	199	9.63	55	<2	0.05	136	<5

3.3 Lake Despair Sampling Program

In August of 2008, the Stares Contracting prospecting crew were contracted to complete sampling for 2 days along the shoreline of the Despair Lake Claims. The personnel consisted of S. Morton (senior prospector), C. Porter (prospector) and B. Burnell (prospector). The focus of their sampling was: oxidization or sulphide zones, quartz or quartz-carbonate veins, structures (shears & faults), lithological boundaries or other targets that may contain anomalous mineralization.

The prospecting crew collected a total of 30 samples on the Lake Despair claims. Sample descriptions, with assays, are listed **Appendix C**; the assay certificates are listed in **Appendix D** and sample locations are plotted at 1:5 000 in **Appendix E**. The best assay results were:

- 1) 1.1 g/t Ag and 0.10% Cu in felsite (C369831),
- 2) 0.7 g/t Ag, 0.05% Cu, 0.12% Zn and elevated Pb in sheared basalt (C369782),
- 3) elevated Ag-Cu-Zn values were also located in 2 quartz bearing basalts

Two anomalous assays and four elevated samples were returned from the sampling program. Selected elevated (black) assays and anomalous (red) are bolded and presented in Table 3c:

Table 3c: Elevated or Anomalous Assays - Lake Despair Claims

SAMPLE	Descriptions	Northing	Easting	Ag	As	Cr	Cu	Fe	Ni	Pb	S	Zn	Au (FA)
				ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppb
369782	Basalt, shear, rusty, py	5413150	450591	0.7	<2	56	469	9.31	146	3	6.24	1160	<5
369784	Mafic, cg, py, (qtz-mica sch)	5413712	450484	0.4	<2	7	497	7.26	7	<2	3.08	78	<5
369830	NDS	5413147	450598	0.5	<2	24	454	5.75	90	7	3.21	155	<5
369831	NDS	5413147	450598	1.1	2	21	972	5.15	29	7	1.40	56	<5

NDS – No description available

3.4 Work Traverse Logs

The following traverses/examinations were taken by Rainy River Resources in the summer of 2008 on the Clearwater Lake Claims.

Table 4a: Work Traverse Logs - Clearwater Lake Option Claims

RRR Personnel: A. Raoul – AR, K. Shorrock – KS, L. Raynaud – LR, T. Nemoto –TN

Date	Staff	Work	Samples Taken
May 12	LR	Travel to Off Lake Camp (4hrs) and assist CJ Baker	0
May 13	LR, KS	Travel to Off Lake Camp (4hrs), assist CJ Baker and reviewing historical data	0
May 14	LR, KS	Travel to Thunder Bay with CJ Baker for supply run	0
May 15	AR,LR, KS	Traveled to Off lake Camp (2 hrs), meet with summer staff and organize office for fieldwork	0
May 16	AR,KS, LR	Mapped and sampled north on Manomin Dam Road North from 0-2.4km (claims 4201816, 4201815, 4201824); Note: 0.00km at Dam.	H098001-013
May 17	AR,KS, LR	Mapped and sampled north on Manomin Dam Road North from 2.4-3.5km and 7.2-8.2km (claims 4201824, 4201864, 4201861 and 4201862).	H098014-022
May 18	AR,KS, LR	Mapped and sampled north on Manomin Dam Road North from 7.2-10.8km (claims 4201862, 4201861 and 4201859)	H098023-037
May 19	AR,KS, LR	Mapped and sampled north on Manomin Dam Road North from 10.8-12.0km (claims 4201859, 4201860) and side roads/trails from 4.3-12.0km (claims 4201867, 4201864, 4201862, 4201859, 4201860).	H098038-057
May 20	AR,KS, LR	Mapped and sampled north on Manomin Dam Road North along side roads/trails from 0-4.3km (claims 4201815, 4201824) and south of Manomin Dam Road South from 0 to 2.5km (claims 4201813, 4201812). Note: 0.00km at Dam.	H098058-068
May 21	AR,KS	Mapped and sampled south on Manomin Dam Road South to Fleming Road at 5.1km (claims 4201812, 4201811). Mapped & sampled Fleming Road from 0-2.4km (claims 4201811, 4201809 and crown land). Note 0.00km at Hwy 615.	H098069-082
May 22	AR,KS	Mapped and sampled roads/trails southeast on Fleming Road (claims 4201811, 4201809) and the road from 2.4-6.6km (crown land). Note 0.00km at Hwy 615.	H098083-091
May 23	AR,KS	Mapped and GPS the Overburden Drill Holes sites 4-16, located south of Off Lake. Mapping the same area (claims 4201809, 4201811, 4201808).	H098092-098
May 24	AR,KS	Mapped and sampled roads/trails southeast on Fleming Road (claims 4201811, 4201809) and mapping & sampling at 0-2.8km on the Clearwater Lake Road (claims 4201814, 4201812, 4201813). Note: 0.00km at Dam.	H098099-126
May 26	AR, KS	Data enter (from notes), supply run & crew change to Kenora (for bus)	0
May 27	AR	Data enter and review historical files	0
May 28	AR, LR	Travel to camp (from Winnipeg ~ 4hrs), data enter and review historical notes	0
May 29	AR, LR	Mapped and sampled at 2.8-6.0km on the Clearwater Lake Road (claim 4201814) and roads/trails. Note: 0.00km at Dam.	H098127-131

May 30	AR, LR	Mapped and sampled north on Manomin Dam Road North on roads/trails from 3.7-7.1km (claims 4201815, 4201824)	H098202-204
May 31	AR, LR	Mapped and sampled north on Manomin Dam Road North on roads/trails from 3.7-7.1km (claims 4201815, 4201824)	H098135-140
Jun 1	AR	Review all representative samples with rock description tables	0
Jun 2	AR	Travel to Kenora and plotting maps	0
Jun 3	AR	Data entry and plotting maps	0
Jun 5	KS, LR	Mapped and sampled along east-west lines (105o) at 1600m south down the Clearwater Lake Road (claim 4201814)	H098170
Jun 6	KS, LR	Rain Day – data entry and plotting samples.	0
Jun 7	KS, LR	Mapped and sampled along east-west lines (105o) at 2000m & 2400m south down the Clearwater Lake Road (claim 4201814)	H098171-176
Jun 8	KS, LR	Mapped and sampled along east-west lines (105o) at 2800m & 3200m south down the Clearwater Lake Road (claims 4201814, 4201812)	H098177-181
Jun 13	AR	Travel to camp and work on monthly report	0
Jun 14	KS, LR	Mapped and sampled along east-west lines around the Clearwater Road, by Pole Lines (claims 4201814)	H098182-201
Jun 15	KS, LR	Mapped and sampled north on Manomin Dam Road North on roads/trails (claims 4201815, 4201824) – editing and retaking GPS localities.	H098205
Jun 16	AR, KS, LR	Mapped and sampled along east-west lines around the Clearwater Road, by Pole Lines (claims 4201814)	H098206-220
Jun 17	AR,KS, LR	Mapped and sampled along southwestern shoreline of Clearwater Lake (claims 4201813-4201815)	H098221-241
Jun 18	AR,KS,	Rain Day – data entry and plotting	0
Jun 19	AR,KS,	Mapped and sampled along southeastern shoreline of Clearwater Lake (claims 4201814, 4201815)	H098246-248
Jul 4	KS,LR, TN	Mapping along the Fleming Road, south of Off Lake	H098392
Jul 5	KS,LR, TN	Mapping along the Fleming Road, south of Off Lake	H098393-402
Jul 6	KS,LR, TN	Rain Day – data entry and plotting	0
Jul 7	KS,LR, TN	Mapped and sampled along south shoreline of Clearwater Lake (claims 4201856, 4201858, 4201859, 4201861)	H098415-436
Jul 8	AR,KS, LR, TN	Rain Day – data entry and plotting; travel to Off Lake Camp	0
Jul 9	AR,KS, LR, TN	Mapped and sampled along northeast shoreline of Clearwater Lake & Burditt Lake Shaft (claims 4201859, 4201860)	H098437-459
Jul 10	AR,KS, LR, TN	Mapped and sampled along northeast shoreline and western shoreline of Clearwater Lake (claims 4201855-4201858)	H098460-488
Jul 11	AR,KS, LR, TN	Rain Day – data entry and plotting; Map Info training	0
Jul 12	AR,KS, LR, TN	Mapped and sampled along the Clearwater Road, by Pole Lines (claims 4201814)	H098489-494
Jul 13	AR, TN, KS	Mapped and sampled along Clearwater Road, by Pole Lines (claims 4201814); data entry by KS	H098495

Jul 14	AR,KS, TN	Mapped and sampled along the west shoreline of Clearwater Lake (claims 4201855, 4201856)	C371001-03, H098500
Jul 19	AR,KS, TN	Mapped and sampled along the Clearwater Road, by Pole Lines (claims 4201814)	C371075-078
Aug 9	KS, TN	Mapped and sampled along the Clearwater Road, by Pole Lines (claims 4201814)	C371257-265
Aug 10	KS, TN	Mapped and sampled along the Clearwater Road, by Pole Lines (claims 4201814)	C371266-281
Aug 11	KS, TN	Rain Day – data entry and plotting	0
Aug 12	AR	Travel to Off Lake and writing Joint Venture Quarterly Report	0
Aug 13	AR	Writing Joint Venture Quarterly Report	0
Aug 14	AR,KS, TN	Writing Joint Venture Quarterly Report and Data Entry day with plotting	0
Aug 16	KS, TN	Mapped and sampled along the Fleming Road, southeast of Off Lake (claims 4201811, 4201812)	C371266-281
Aug 17	AR	Writing Joint Venture Quarterly Report	0
Aug 20	KS, TN	Mapped and sampled east of Off Lake (claims 4201814)	C371383-391
Aug 21	AR	Data Compilation and Map Interpretation	0
Aug 22	AR,KS, TN	Demobilizing Camp and data for report writing; travel to Kenora & Winnipeg.	0
Aug 23	KS	Data entry	0
Aug 24	KS	Data entry	0
Sep 8	AR	Assay Comp & meet CJ at Ross Camp	0
Sep 9	AR	Assay Comp. & JV Quarterly Report	0
Sep 10	AR	Assay Comp. & JV Quarterly Report	0
Sep 11	AR	Assay Comp. & JV Quarterly Report	0
Sep 12	AR	Travel Zone14 (WPG) to edit maps	0
Sep 13	AR	Map Compilation & Final Report (1/2 day)	0
Sep 14	AR	Map Compilation & Final Report (1/2 day)	0
Sep 15	AR	Edit JV Quarterly Report & Tables	0
Sep 16	AR	JV Report Writing	0
Sep 17	AR	JV Report Writing	0
Sep 18	AR	JV Report Writing	0
Sep 19	AR	JV Report Writing	0
Sep 20	AR	JV Report Writing	0
Sep 21	AR	JV Report Writing	0
Sep 22	AR	JV Report Writing	0
Sep 23	AR	JV Report Writing	0
Sep 24	AR	Map editing (units)	0
Sep 25	AR	Map editing (units)	0
Sep 26	AR	Travel Zone14 (Winnipeg) to edit maps	0
Sep 27	AR	Edit Zone 14 outcrop map	0
Sep 28	AR	JV Report Writing	0
Sep 29	AR	JV Report Writing	0
Sep 30	AR	JV Report Writing	0
Oct 6	AR	JV Report Writing	0
Oct 7	AR	JV Report Writing	0
Oct 8	AR	JV Report Writing	0
Oct 9	AR	Travel to Zone14 (Winnipeg) to edit maps	0
Oct 10	AR	JV Report Writing	0

Oct 14	AR	JV Report Writing	0
Oct 15	AR	JV Report Writing	0
Oct 16	AR	JV Report Writing	0
Oct 17	AR	JV Report Writing	0

The following traverses / examinations were taken by the Stares Contracting field crew on behalf of Rainy River Resources, in August of 2008, on the 404 Road claims.

Table 4b: Work Traverse Logs – 404 Road Claims

Contractors: Scott Morton – SM, Cliff Porter – CP, Beven Burnell - BB

Date	Crew	Work	Samples Taken
Aug 1	SM	Prospecting and sampling claims 4201851	C369501-504
Aug 2	SM	Prospecting and sampling claims 4201851	C369504-511
Aug 3	SM	Prospecting and sampling claims 4201851	C369512-517
Aug 4	SM	Prospecting and sampling claims 4201851	C369518-519
Aug 5	SM	Prospecting and sampling claims 4201851	C369520-528
Aug 5	BB	Prospecting and sampling claims 4201851	C369551-553
Aug 6	SM	Prospecting and sampling claims 4201851	C369529
Aug 6	BB	Prospecting and sampling claims 4201851	C369554-559
Aug 6	CP	Prospecting and sampling claims 4201851	C369601-607
Aug 7	SM	Prospecting and sampling claims 4201852	C369530-544
Aug 7	BB	Prospecting and sampling claims 4201852	C369560-563
Aug 7	CP	Prospecting and sampling claims 4201852	C369608-610
Aug 8	SM	Prospecting and sampling claims 4201852	C369545-550 C369651-652
Aug 8	BB	Prospecting and sampling claims 4201852	C369564-570
Aug 8	CP	Prospecting and sampling claims 4201852	C369611-615
Aug 9	BB	Prospecting and sampling claims 4201852	C369571-574
Aug 9	CP	Prospecting and sampling claims 4201852	C369615-618
Aug 9	SM	Prospecting and sampling claims 4201852	C369653-658
Aug 10	BB	Prospecting and sampling claims 4201853	C369575-578
Aug 10	CP	Prospecting and sampling claims 4201853	C369619-622
Aug 10	SM	Prospecting and sampling claims 4201853	C369659-665
Aug 11	BB	Prospecting and sampling claims 4201853	C369579-582
Aug 11	CP	Prospecting and sampling claims 4201853	C369623-631
Aug 11	SM	Prospecting and sampling claims 4201853	C369666-671
Aug 12	BB	Prospecting and sampling claims 4201853	C369583
Aug 12	CP	Prospecting and sampling claims 4201853	C369632
Aug 12	SM	Prospecting and sampling claims 4201853	C369672-678
Aug 13	BB	Prospecting and sampling claims 4201854	C369584-587
Aug 13	CP	Prospecting and sampling claims 4201854	C369633-636
Aug 13	SM	Prospecting and sampling claims 4201854	C369679-687
Aug 14	BB	Prospecting and sampling claims 4201854	C369588-594
Aug 14	CP	Prospecting and sampling claims 4201854	C369637-646
Aug 14	SM	Prospecting and sampling claims 4201854	C369688-696
Aug 15	BB	Prospecting and sampling claims 4201854	C369595-600 C369751
Aug 15	CP	Prospecting and sampling claims 4201854	C369647-650 C369801-804
Aug 15	SM	Prospecting and sampling claims 4201854	C369697-700
Aug 16	SM	Prospecting and sampling claims 4201855	C369702-710

Aug 16	BB	Prospecting and sampling claims 4201855	C369751-759
Aug 16	CP	Prospecting and sampling claims 4201855	C369805-807
Aug 17	SM	Prospecting and sampling claims 4201855	C369711-714
Aug 17	BB	Prospecting and sampling claims 4201855	C369760-761
Aug 17	CP	Prospecting and sampling claims 4201855	C369808-812
Aug 18	SM	Prospecting and sampling claims 4201855	C369715-719
Aug 18	BB	Prospecting and sampling claims 4201855	C369762-765
Aug 19	SM	Prospecting and sampling claims 4201856	C369720-727
Aug 19	BB	Prospecting and sampling claims 4201856	C369766-772
Aug 19	CP	Prospecting and sampling claims 4201856	C369813-817
Aug 20	SM	Prospecting and sampling claims 4201856	C369728-734
Aug 20	BB	Prospecting and sampling claims 4201856	C369773-776
Aug 20	CP	Prospecting and sampling claims 4201856	C369818-823

The following traverses / examinations were taken by the Stares Contracting crew, on behalf of Rainy River Resources, in August of 2008, on the Lake Despair claims.

Table 4c: Work Traverse Logs on the Despair Lake Claims

Contractors: Scott Morton – SM, Cliff Porter – CP, Beven Burnell - BB

Date	Crew	Work	Samples Taken
Aug 22	SM	Prospecting and sampling claims 4201833 and 4201850	C369735-744
Aug 22	CP	Prospecting and sampling claims 4201833 and 4201850	C369824-831
Aug 22	BB	Prospecting and sampling claims 4201833 and 4201850	C369777-782
Aug 23	SM	Prospecting and sampling claims 4201830, 4201831, 4201832 and 4201848	C369745-750
Aug 23	CP	Prospecting and sampling claims 4201830, 4201831, 4201832 and 4201848	C369832-836
Aug 23	BB	Prospecting and sampling claims 4201830, 4201831, 4201832 and 4201848	C369783-788

4.0 ECONOMIC GEOLOGY

The property occurs within the Rainy River Greenstone Belt in the Western Wabigoon Subprovince. This greenstone belt is host to the following mineral deposits:

Zone 17 (Press Release, Rainy River Resources Limited, 28 February, 2008)

“..Rainy River Resources Ltd. announced completion of the first NI 43-101 compliant resource estimate for Rainy River Property, located in Richardson Township, approximately 80 kilometres south of Kenora, Ontario. The estimate was performed by Caracle Creek International Consulting Inc. (CCIC), an independent geological consulting firm based in Sudbury, Ontario. At a 0.5 g/t Au block cut-off, a total of 1,386,000 million ounces of contained gold and 2,896,000 million ounces of contained silver has been defined in the indicated category, in addition to 2,233,000 million ounces of contained gold and 5,109,000 million ounces of contained silver in the inferred category.

The area of influence for the new resource estimate accounts for less than 7% of Rainy River's Richardson Township land holdings and encompasses the 17/ODM Zones, Beaver Pond Area, the 433 Zone and the CAP Zone. Validated Nuinsco drill holes as well Rainy River drilling up to and including drillhole NR-07-210 form the basis for this calculation. Because of the similarity to comparable deposits currently in production, the broad, near-surface widths of the gold mineralization and the overall geometry of the five zones in relation to one another, the Company is pleased to report cut-off grades amenable to a bulk tonnage open-pit mining scenario”:

0.3 g Au/t block cut-off:					
Category	Tonnes	Au g/t	Contained oz. Au	Ag g/t	Contained oz. Ag
Indicated	37,761,000	1.18	1,436,000	2.60	3,159,000
Inferred	79,654,000	0.94	2,400,000	2.31	5,923,000
0.5 g Au/t block cut-off:					
Category	Tonnes	Au g/t	Contained oz. Au	Ag g/t	Contained oz. Ag
Indicated	34,238,000	1.26	1,386,000	2.63	2,896,000
Inferred	67,564,000	1.03	2,233,000	2.35	5,109,000
0.7 g Au/t block cut-off:					
Category	Tonnes	Au g/t	Contained oz. Au	Ag g/t	Contained oz. Ag
Indicated	24,959,000	1.50	1,206,000	2.63	2,106,000
Inferred	44,391,000	1.25	1,787,000	2.28	3,257,000

Zone 34 (Lichtblau, et. al, 2008)

Nuinsco Resources Limited previously defined a resource of 150,000 tonnes of 2.00% Ni, 1.9% Cu, 2.5 g/t Pt, 6 g/t Pd, 2.0 g/t Au and 21 g/t Ag on claims currently held by Rainy River Resources. The Rainy River Greenstone Belt, contiguous with the Kakagi-Rowan Lake Greenstone Belt to the north, hosts more mineral deposits:

Cameron Lake Gold Deposit (Lichtblau, et. al, 2008)

Nuinsco Resources Ltd identified a NI43-101 standard resource of:

Measure & Indicated - 572,000 tonnes @ 6.54 g/t Au
Indicated -1,012,000 tonnes @ 5.20 g/t Au

West Cedartree Gold Project (www.Houston Lake Mining Inc)

Estimated inferred mineral resource of 106,400 t @ 2.97 g/t Au (NI 43-101, October, 2005). A bulk sample in 2006 yielded 176.5 ounces of gold from a 1042 tonne sample.

Dogpaw No.1 Vein – the historic resource of 53,741 tonnes grading 15.43 g/t gold (59,239 tons averaging 0.450 opt gold) to modern standards (Sept.18, 2008).

Dubenski Zone - estimated Inferred Mineral Resource (1998) of 355,286 tonnes averaging 6.32 g/t gold to a depth of 150 metres.

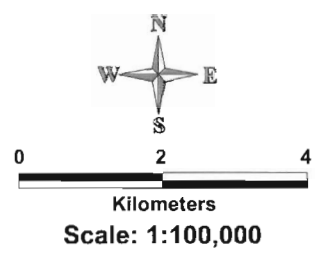
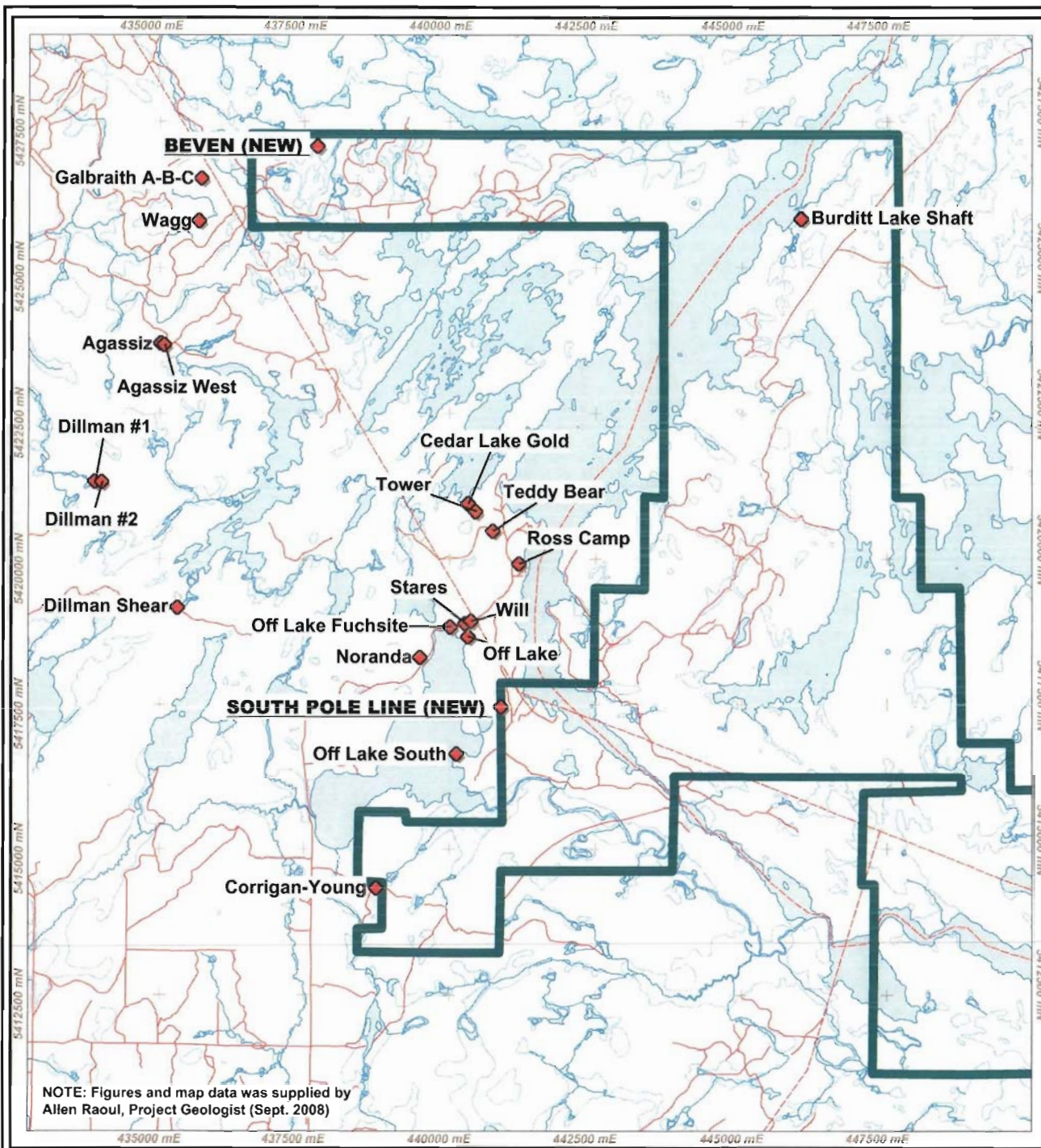
The presence of these mineral deposits have demonstrated that the Rainy River greenbelt and adjacent greenstone belts have potential to host mineral deposits with significant size to warrant further exploration and development.

4.1 Historical Mineral Occurrences

The following historically mineral showings are located on or near the Off Lake Option property and are listed in chronological order of discovery. The data was located within the Kenora District Geologist's Office, Ministry of Northern Development and Mines, 810 Robertson Street, Kenora, Ontario (see Figure 4a).

Corrigan & Young (1956-60) – Prospectors drilled four holes at the western shore of Off Lake hit Py-cPy-Mgt in quartz veins. Six drill holes at the southern shore of Off Lake hit Py-cPy in feldspar porphyry dikes. No assays were given.

Noranda (1967) - Cu discovery on NW shore of Off Lake from well drilling and optioned to Noranda. Geophysical Surveys (EM, Mag & IP) and 3 drill holes located sulphide horizons in rhyolite, andesite and QFP with Py-cPy-Po mineralization. Assayed 0.36% Cu over 1.5 metres. Weakly elevated gold values in 2 holes.



NOTE: Figures and map data was supplied by Allen Raoul, Project Geologist (Sept. 2008)

Figure 4a.

Rainy River **Rainy River Resources Ltd.**

OFF LAKE PROJECT - J/V

MINERAL OCCURRENCES
- Historical & New -

Datum: NAD 83, Zone 15

Agassiz (1983) – Agassiz located 2.6m wide chlorite-calcite shear with quartz veins hosted in mafic volcanics with assays of 0.01 – 0.16 opt Au.

Cedar Lake (1984) - Superior Syndicate & Lacana Mining Corp completed a VLF Survey & Exploration around Clearwater Lake and Burditt Lakes. Anomalous gold values 1.58 g/t Au on the SE shore of Cedar Lake.

Western Troy Capital (1991-1995) completed the following work:

Wagg Prospect - 6 quartz veins, 0.5-2.0m wide, located with significant gold assays (>0.1 to 3 opt Au) and 346 ounces gold produced from 1000 tonne bulk sample.

Agassiz Showing - 3m shear with quartz lenses in quartz-feldspar dikes had 0.426 opt Au over 3.9 metres.

West (Agassiz) Showing – 010-020°/V lenses of quartz with pyrite-chlorite with assays of 0.036 -2.99 opt Au.

Dillman 1 & 2 – E-W trending quartz veins in silica-chlorite altered mafic volcanics with samples averaging 0.20 -0.75 opt Au.

Dillman Shear – a 0.5m wide shear zone with quartz-pyrite averaged 0.50 opt Au.

Galbraith A – narrow, quartz veins with high gold (>3 opt).

Galbraith B – narrow, quartz veins with high gold (>1 opt) and gold anomalous porphyry (0.011 opt).

Galbraith C – quartz rubble assayed >1 opt Au and porphyry assay >0.15 opt Au.

Off Lake (1995) – Nuinsco did mapping, geophysics and 3 DDH drill program. Best assay was 1.6m of 4.5 g/t Au and 27 g/t Ag and another intersection further down hole returned 0.5m of 3.9 g/t Au and 22 g/t Ag.

Stares (2004) - Prospectors on NE corner of Off Lake located 11.0% Zn, 4.3% Cu, 4372 g/t Ag and 10.3 g/t Au.

Rainy River Resources Ltd (2006-07) completed the following drill work:

Will Showing – drill hole OL07-01 hit 1.5m of 2.21 g/t Au. Drill hole OL07-02 hit 56m carbonate altered shear zone in mafic volcanics with felsic dikes with no significant assays.

Off Lake – drill hole OL-07-03 hit feldspar porphyry and qtz-carbonate stringers +/- galena and thin zones of >3% sphalerite. Best gold was 0.38 g/t Au over 1 metre.

Rainy River Resources Ltd (2006-07) completed the following prospecting work:

Tower Showing – sheared, ankerite altered mafic volcanics with felsic dikes; trending east-west. Both units show later silica introduction and trace-2% Py +/- Po. Elevated Au, Cu, and Zn (claim 3016069).

Teddy Bear Showing – sheared felsic dike unit, trending NE, with anomalous gold values and elevated copper and zinc (claim 3016069).

Based upon a Dec 17, 2008 press release by Western Warrior Resources Inc, Rainy River Resources located, in their fall exploration program, assay values as high as 15.25 g/t Au, 7.66% Zn and 2.75% Cu in several Au-rich VMS-type showings in outcrop and boulders along the east shore of Off Lake (claim 4208907).

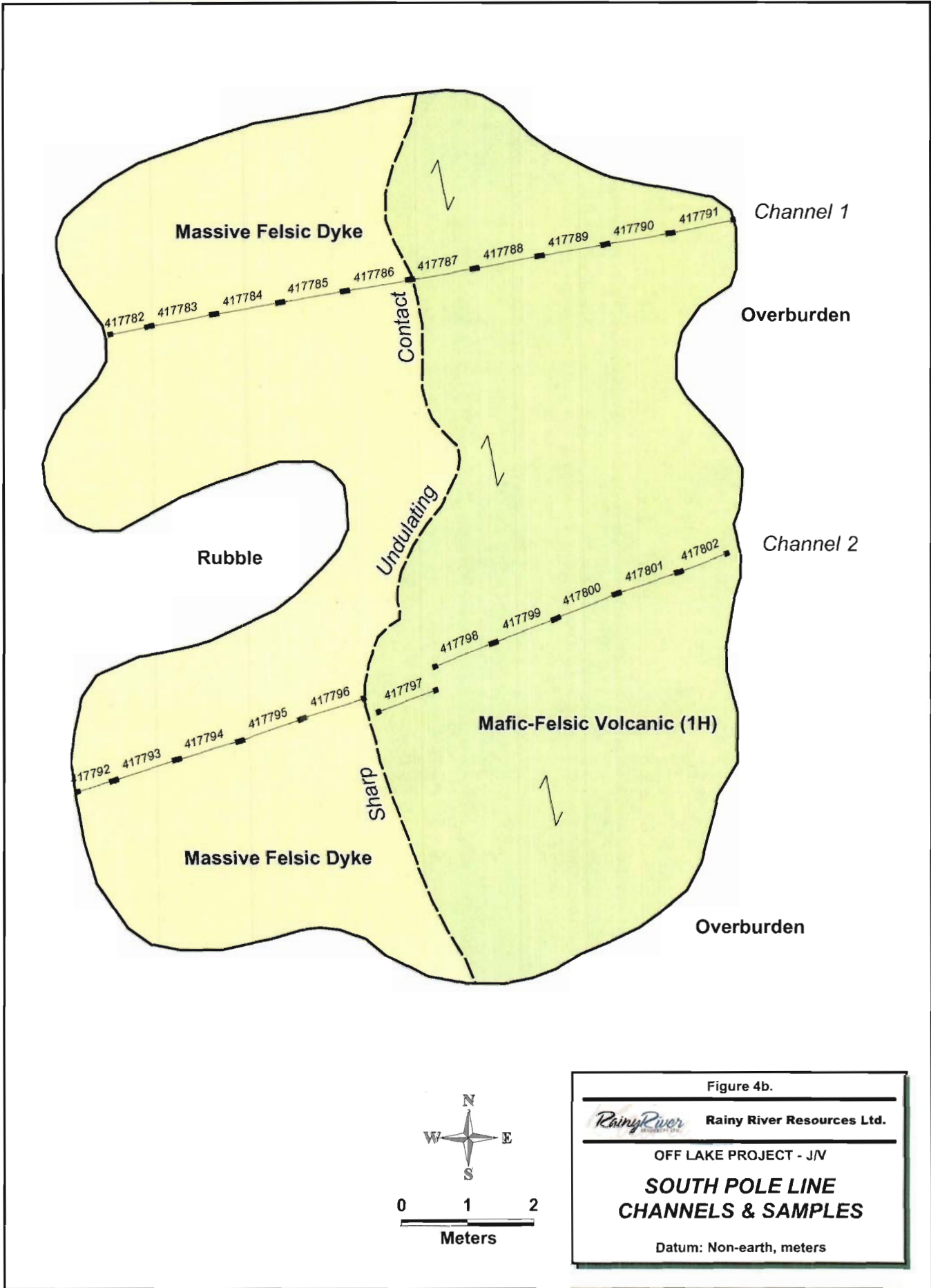
A shaft is illustrated on Map 2325 (Blackburn, 1976) on the northeast shore of Burditt Lake but no records are located at the Kenora District Geologist's Office, Ontario Ministry of Northern Development and Mines.

4.2 New Mineral Occurrences

Sampling around Off Lake and Clearwater Lakes located the following showings in 2008. They are illustrated on Figure 4a (Datum NAD83) and the geology map in **Appendix E**:

Burditt Lake Sulphide (Shaft) - A 3m x 2m x 16m (deep) shaft was located at GPS 446027E, 5425819N with a 2m-wide zone of sheared gabbro, trending 045°/V, with trace-2% Py-Po +/- cPy mineralization. Small localized zones (<10cm) of >30% silica-carbonate-chlorite alteration and 10% Py. The shaft has 20cm timbering at surface and has 10m x 10m x 1m oxidized, waste rock pile. Sampling of this zone and the waste rock dump returned elevated Ni values (>100ppm) but no significant Pt or Pd values (<20 ppb).

South Pole Line – an area was stripped (50m x 20m), located at GPS 440891E, 5417479N on the Hydro One power line. It exposed an oxidized and sheared conglomerate/breccia unit, trending 350°/V, with 2-3% Py-Po mineralization. This unit (see Figure 4b) has been injected by a weakly-moderately altered felsic dike with sericite-hematite alteration and 1% Py. There is a massive quartz vein along this contact of the two different rock types. Two sample channels (9.6m and 10.4m) were cut across these zones but only weakly elevated Cu values (>100ppm) were located.



The following geochemical anomalies shown in Appendix E (Map 1) were located during the regional mapping by Rainy River Resources personnel:

- 1) 0.63 g/t Au, 3.8 g/t Ag with elevated Cu in a quartz vein with chlorite-hematite alteration (H098398) in a large gabbro outcrop, north of Fleming Road, at GPS 438567E, 5414704N.
- 2) Twenty-three samples show elevated base metal values (Cu, Ni, Zn >100ppm) values indicating that the area has potential for base metal mineralization related to volcanogenic massive sulfides (VMS) or magmatic sulfides.

Sampling by the Stares Contracting field crew located numerous showings around the 404 Road claims; these are illustrated on the Appendix E geological maps. The new showings were:

- 1) 10.20 g/t Au, 60.8 g/t Ag with elevated Cu-Pb in a quartz vein (C369679), located at GPS 442603E, 5426563N.
- 2) 3.01 g/t Au, 15.2 g/t Ag with elevated Ni-Zn (369646) in quartz vein with 10% Py-cPy in 30% ankerite-fuchsite mafic volcanic at GPS 442529E, 5426730N.
- 3) 2.15 g/t Au, 4.2 g/t Ag and 0.17% Cu (369584) in rusty boulder with quartz-pyrite-chalcopryrite at GPS 442595E, 5426559N.
- 4) 1.29 g/t Au, 1.9 g/t Ag with elevated Cu (369678) in quartz with pyrite-chalcopryrite at GPS 442600E, 5426399N.
- 5) 1.06 g/t Au and 34.5 g/t Ag (369696) in andesite with quartz-pyrite at GPS 443095E, 5426321N.
- 6) 1.0 g/t Ag, 0.15% Cu, 1.42% Zn with elevated Ni in shear zone with quartz-Py-cPy (C369581) at GPS 437744E, 5427075N. This showing, known as the Beven Showing, was stripped and 6 channel samples taken (see Figure 4c). The results were:

Table 5: Beven Showing Channel Samples

Channel	Unit	Width (m)	Ag (gpt)	Cu (%)	Zn (%)
1	Sheared Mafic Volcanic	2.0	0.4	0.10	0.24
2	Sheared Mafic Volcanic	2.2	0.6	0.10	0.28
3	Sheared Mafic Volcanic	2.5	2.7	0.10	0.20
4	Sheared Mafic Volcanic	2.2	0.7	0.11	0.24
5	Sheared Mafic Volcanic	1.9	0.7	0.15	0.35
6	Sheared Mafic Volcanic	3.0	0.6	0.14	0.24

Figure 4c.

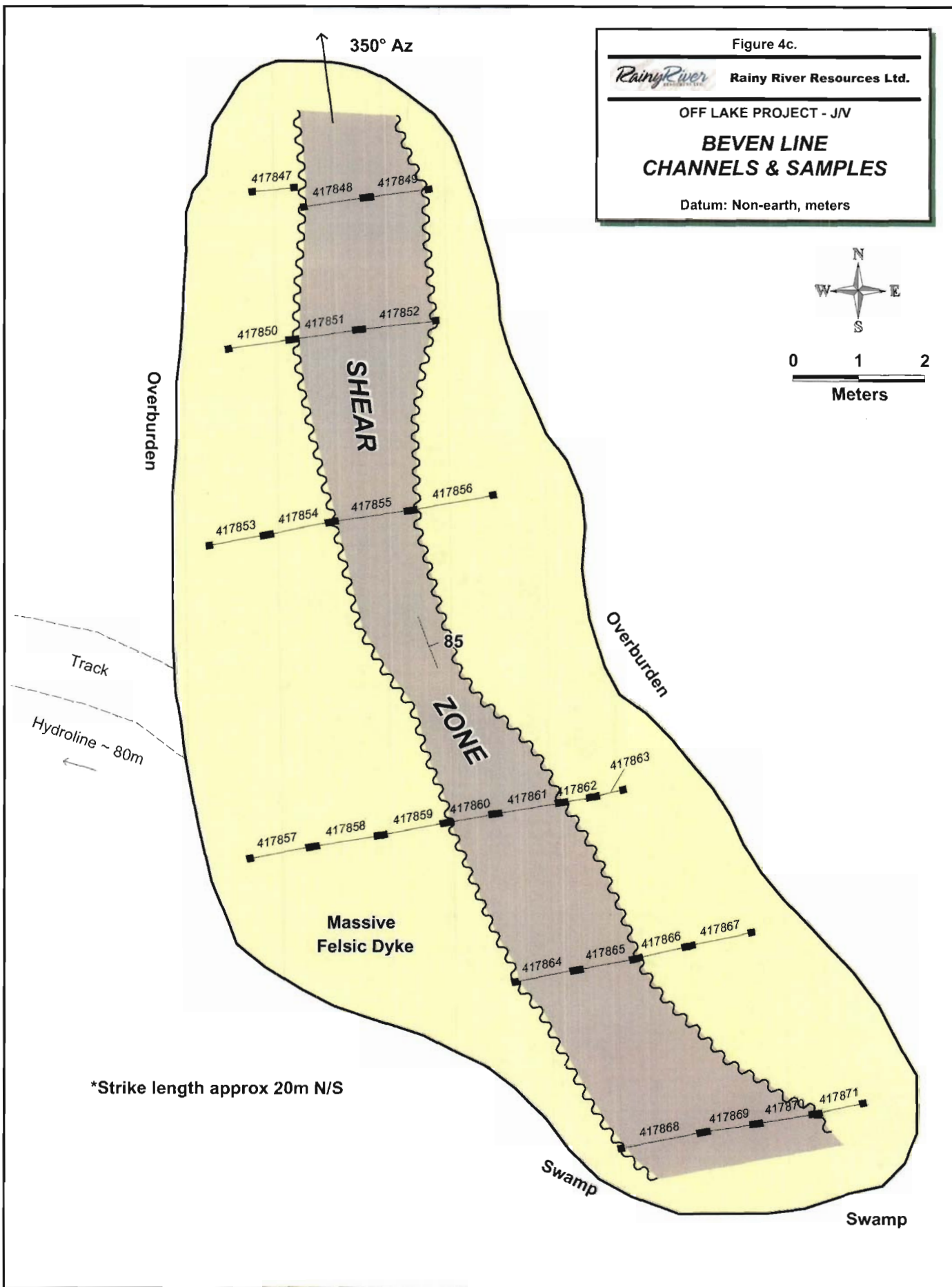
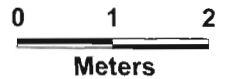
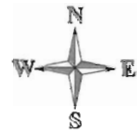


Rainy River Resources Ltd.

OFF LAKE PROJECT - J/V

BEVEN LINE CHANNELS & SAMPLES

Datum: Non-earth, meters



350° Az

417847 417848 417849

417850 417851 417852

417853 417854 417855 417856

417857 417858 417859 417860 417861 417862 417863

417864 417865 417866 417867

417868 417869 417870 417871

Overburden

Overburden

Track

Hydroline ~ 80m

SHEAR

ZONE

85

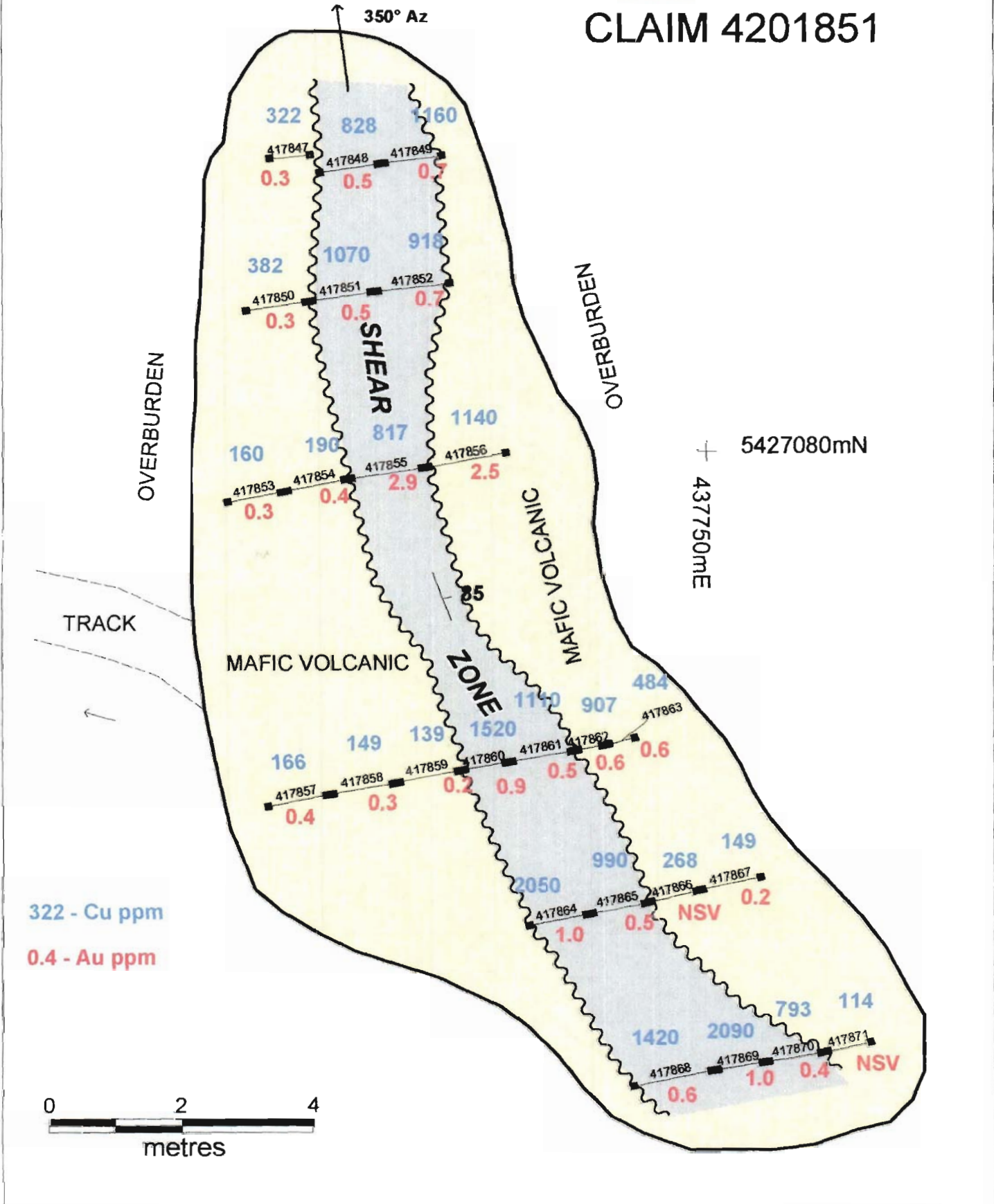
Massive Felsic Dyke

*Strike length approx 20m N/S

Swamp

Swamp

BEVEN SHOWING CLAIM 4201851



- 7) Twenty-six samples show elevated Ag-Cu-Ni-Pb-Zn indicating that the area has potential for base metal mineralization related to volcanogenic massive sulfides or magmatic sulfides in origin.

Sampling by Stares Contracting located elevated values around the Despair Lake Claims and illustrated on the Appendix E geological maps. The new showings were:

- 8) 1.1 g/t Ag and 0.10% Cu in felsite (C369831) at GPS 450598E, 5413147N.
- 9) 0.7 g/t Ag, 0.05% Cu, 0.12% Zn and elevated Pb in sheared basalt (C369782) at GPS 450591E, 5413150N.
- 10) Elevated Ag-Cu-Zn values were also located in 2 quartz bearing basalts indicating that the area has potential for base metal mineralization related to volcanogenic massive sulfides or magmatic in origin.

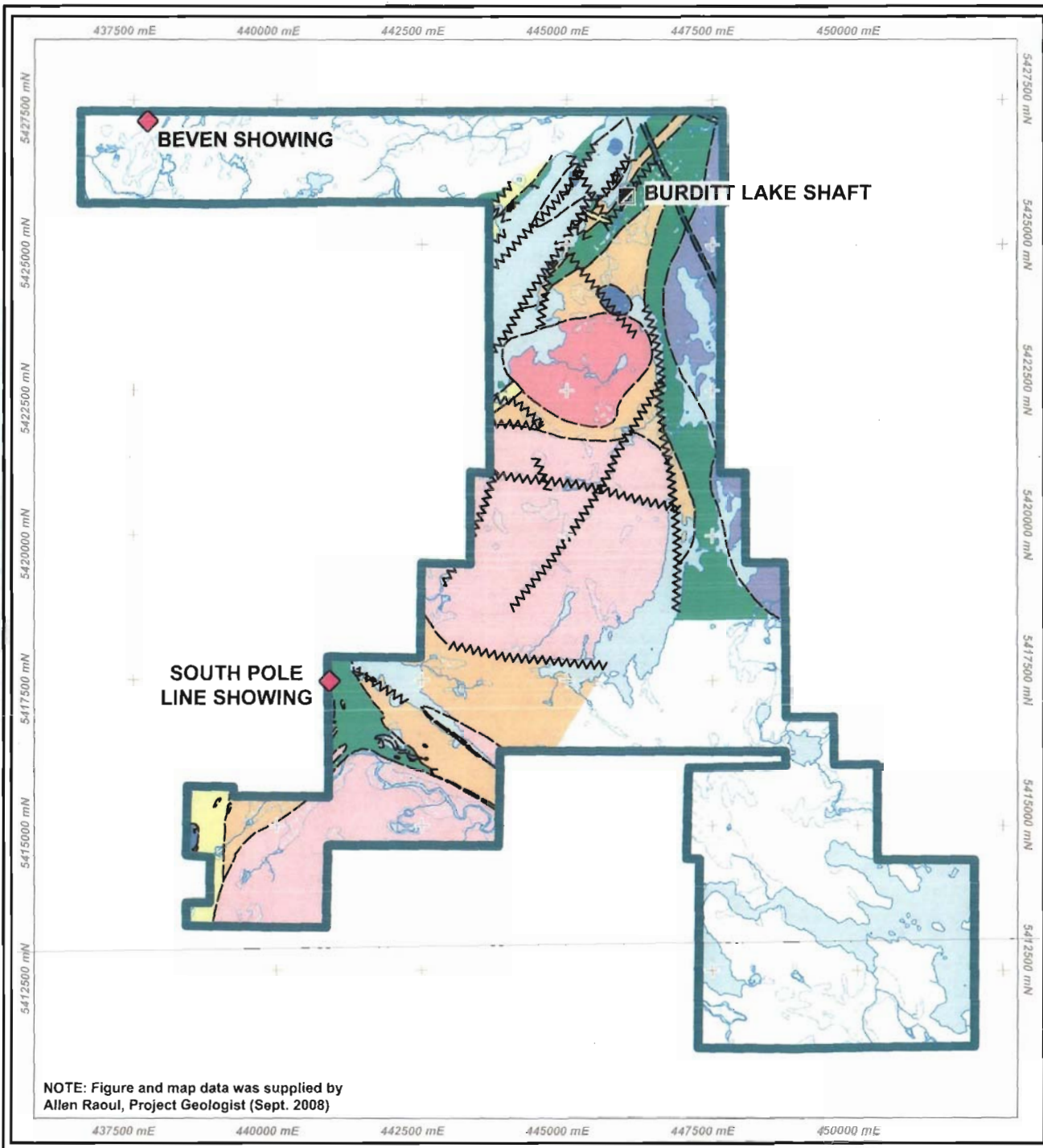
5.0 OVERBURDEN DRILL PROGRAM

The following data is from C.J. Baker in September 2008....

"...There were eight (8) Reverse Circulation (RC) holes drilled by Overburden Drilling Management of Ottawa on the Off Lake Option claims during the month of June, 2008. The first three (OLRC#1- OLRC#3) were drilled on a traverse accessed from Clearwater Lake Road at the SE shoreline of Off Lake. The second traverse (OLRC#4 - OLRC#7 and OLRC#16) were drilled immediately south of Off Lake and accessed via Fleming Road. The final report is still pending, therefore the total metres drilled is not available at the time this report was written".

The RC drill hole locations are illustrated on the Appendix E geological map. The coordinates are as follows:

RC Drill Hole	Easting	Northing	Datum	Zone
OLRC01	440526	5416331	NAD83	15
OLRC02	440756	5416308	NAD83	15
OLRC03	440304	5416301	NAD83	15
OLRC16	439260	5415620	NAD83	15
OLRC04	439597	5415578	NAD83	15
OLRC05	439902	5415586	NAD83	15
OLRC06	440213	5415591	NAD83	15
OLRC07	440524	5415588	NAD83	15



NOTE: Figure and map data was supplied by Allen Raoul, Project Geologist (Sept. 2008)

2008 Mapping

~~~~~ Interpreted Faults

**Interpreted Contacts**

- Diorite
- Mafic Volcanics
- Metasediments
- Diabase
- Gabbro
- Felsic Dike
- Syenogranite
- Monzogranite

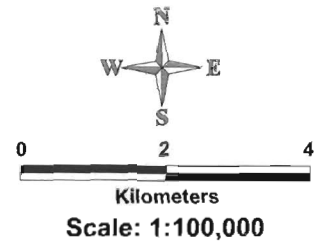


Figure 5.

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*Rainy River* **Rainy River Resources Ltd.**

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OFF LAKE PROJECT - JV

**2008 MAPPING & SAMPLING**

*[See Folded Maps for Details]*

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Datum: NAD 83, Zone 15

## 6.0 CONCLUSIONS

The following conclusions can be drawn from the summer exploration programs on the Rainy River Resources – Western Warrior Resources Off Lake Option claims:

1. The mapping and sampling program east of Clearwater Lake located limited economic mineralization. It should be noted that this program was a preliminary evaluation and further work is needed to define possible targets. An example is the gabbro outcrops along the logging road north of Manomin Dam bridge and the Burditt Lake Shaft Zone, where elevated Ni values were returned.
2. The mapping and sampling program south of Off Lake located anomalous Au-Ag values within the *Off Felsic Dike Complex* as outlined by Dr. Lorne Ayers (2007, 2008). These altered felsic dikes represents a large, precious metal target, especially where elevated sulphide mineralization has been located.
3. Five new showings with highly elevated gold (1-10 g/t) and silver (2-35 g/t) values in the area of the 404 Road claims indicate that more potential exists for high-grade precious metal mineralization.
4. A new base metal showing (Beven Showing) was located north of Road 404 in the northwest of the Option claims. Anomalous Cu (>1000 ppm), Zn (>2000ppm) and Ag (>2 g/t) values were located in a limited channel sampling program.
5. Fifty-three elevated base metal values (>100ppm Cu, Zn, Ni) around the entire property, within the mafic volcanic or mafic intrusive units, represent base metal targets associated with volcanogenic massive sulfides or magmatic sulfide environments.

## 7.0 RECOMMENDATIONS

These are the following recommendations for Rainy River Resources – Western Warrior Resources Off Lake Option claims:

- 1) Follow-up mapping and sampling program east of Clearwater Lake on the gabbro along the logging road north of Manomin Dam bridge and the Burditt Lake Shaft Zone, where elevated Ni assays were returned.
- 2) Detailed mapping and sampling program south of Off Lake, within the felsic dike complex and possibly the Off Lake Fault (Ayers, 2008). These altered felsic dikes represents a large, precious metal target, especially where elevated sulphide mineralization has been located.
- 3) Detailed mapping and stripping of all five new Au-Ag showings in the area of 404 Road claims for possible drill targets.

- 4) A new base metal showing (Beven Showing) was located on the Road 404 claims. This represents an excellent 'drill-ready' target.
- 5) The 53 elevated base metal values (Cu, Zn, Ni) on the property demonstrate widespread base metal mineralization. Further work and geological interpretation is needed to define these elevated values.

## 8.0 REFERENCES

Ayers, L.D. and Tims, A., 2007. Geology and Economic Potential of Felsic Metavolcanic and Subvolcanic Intrusive Rocks, Off Lake-Pinewood Lake Area, Northwest Ontario. 114p. with 2 maps

Ayers, L.D. and Tims, A., 2008. Refinement Of The Eastern Contact Of The Off Lake Felsic Dyke Complex and Assessment and Genesis of Associated Pyrite-Pyrrhotite-Sphalerite-Chalcopyrite-Gold-Silver Mineralization. Northwest Ontario. 82p. with 1 map

Baker, C.J. 2006. Compilation Report and Exploration Recommendation for the Rainy River Resources Ltd. 26p.

Blackburn, C.E., 1976. Geology of the Of Lake-Burditt Lake Area, District of Rainy River; Ontario Division of Mines, Geoscience Report 140, 62p. with map 2325

Lichtblau, A.F., et. al., 2008. Ontario Geological Survey, Open File Report 6216, *in* Report of Activities, 2007, Resident Geologist's Program. Red Lake Regional Resident Geologist Report: Red Lake and Kenora Districts, 100p.

Note: Numerous files are referenced with the Kenora District Geologist's Office in Kenora Ontario. The assessment file numbers have been included in Table 2 with the historical work.

## 9.0 CERTIFICATE OF AUTHOR

I, Allen J. Raoul, of the city of Kenora, in the province of Ontario, do certify as follows:

- 1) I am the Project Geologist with Rainy River Resources Inc., with a field office at 48 Marion Street, Echo Lakes Estate, Emo, Ontario.
- 2) I spent the previous 14 months in the Kenora District of Ontario for Western Warrior Resources Inc as Project Geologist and then Exploration Manager.
- 3) I spent the previous seven years working in the Kenora District of Ontario for the Ontario Geological Survey as Acting District Geologist and District Support Geologist.
- 4) I have practiced my profession since 1990.
- 5) I am a graduate of Mount Allison University, Sackville, New Brunswick with a B.Sc. in Geology in 1990.
- 6) I am a 1987 graduate Mineral Technologist from the University College of Cape Breton, Sydney, Nova Scotia.
- 7) Permission is granted to Rainy River Resources Inc. to publish this report dated 17 October, 2008 for assessment purposes, raising of funds and other corporate purposes.

“signed” Allen J. Raoul

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Allen J. Raoul

## 10.0 EXPLORATION EXPENDITURES

Rainy River Resources Ltd. - Property Allocation Detail

Off Lake / Western Warrior Joint Venture Detail Report from 03/01/2008 to 09/30/2008

|                                 |            |                                             |                  |       | Amount    | Cumulative |
|---------------------------------|------------|---------------------------------------------|------------------|-------|-----------|------------|
| 5801 Compilation and analysis   |            |                                             |                  |       |           |            |
|                                 | 06-08-2008 | ALS Chemex                                  | 1742053          | J2045 | 662.39    | 662.39     |
|                                 | 09-17-2008 | ALS Chemex                                  | 1801146          | J2865 | 2,276.14  | 2,938.53   |
|                                 | 06-23-2008 | ALS Chemex - 1768926                        |                  | J3077 | 1,793.58  | 4,732.11   |
|                                 | 08-04-2008 | ALS Chemex - 1775158                        |                  | J3078 | 5,104.15  | 9,836.26   |
|                                 | 08-14-2008 | ALS Chemex - 1778916                        |                  | J3079 | 2,516.62  | 12,352.88  |
|                                 | 08-15-2008 | ALS Chemex - 1781007                        |                  | J3080 | 3,872.93  | 16,225.81  |
|                                 | 08-16-2008 | ALS Chemex - 1781001                        |                  | J3081 | 3,184.80  | 19,410.61  |
|                                 | 08-16-2008 | ALS Chemex - 1781003                        |                  | J3082 | 1,254.18  | 20,664.79  |
|                                 | 07-04-2008 | ALS Chemex - 1755619                        |                  | J3083 | 1,869.31  | 22,534.10  |
|                                 | 07-11-2008 | ALS Chemex - 1757874                        |                  | J3084 | 2,520.32  | 25,054.42  |
|                                 | 07-16-2008 | ALS Chemex - 1762545                        |                  | J3085 | 1,894.63  | 26,949.05  |
|                                 | 07-30-2008 | ALS Chemex - 1770913                        |                  | J3086 | 2,694.83  | 29,643.88  |
|                                 | 08-21-2008 | ALS Chemex - 1785239                        |                  | J3087 | 3,532.09  | 33,175.97  |
|                                 | 08-14-2008 | ALS Chemex - 1778916                        |                  | J3088 | 2,516.62  | 35,692.59  |
|                                 | 08-29-2008 | ALS Chemex - 1791053                        |                  | J3089 | 6,332.77  | 42,025.36  |
|                                 | 09-03-2008 | ALS Chemex - 1793115                        |                  | J3090 | 6,214.05  | 48,239.41  |
|                                 | 09-02-2008 | ALS Chemex - 1793120                        |                  | J3091 | 5,303.46  | 53,542.87  |
|                                 | 09-11-2008 | ALS Chemex - 1795748                        |                  | J3092 | 1,319.63  | 54,862.50  |
|                                 | 08-02-2008 | ALS Chemex - 1771015                        |                  | J3093 | 2,057.00  | 56,919.50  |
|                                 | 08-08-2008 | ALS Chemex - 1791048                        |                  | J3094 | 1,331.77  | 58,251.27  |
|                                 | 09-13-2008 | ALS Chemex - 1798043                        |                  | J3095 | 123.90    | 58,375.17  |
|                                 | 09-08-2008 | ALS Chemex - 1798047                        |                  | J3096 | 495.60    | 58,870.77  |
|                                 | 09-08-2008 | ALS Chemex - 1798052                        |                  | J3097 | 495.60    | 59,366.37  |
|                                 | 09-08-2008 | ALS Chemex - 1798067                        |                  | J3098 | 35.40     | 59,401.77  |
|                                 | 09-12-2008 | ALS Chemex - 1798512                        |                  | J3099 | 106.20    | 59,507.97  |
|                                 |            |                                             |                  |       |           |            |
|                                 |            |                                             |                  |       | 59,507.97 |            |
| 5805 Geological and consultants |            |                                             |                  |       |           |            |
|                                 | 05-23-2008 | record w/t - mapping Western Warrior claim  | perp bk          | J1934 | 2,700.00  | 62,207.97  |
|                                 | 06-30-2008 | accrue w/t mapping western warrior - Karlie | gen jnl          | J2166 | 2,100.00  | 64,307.97  |
|                                 | 07-31-2008 | Zone 14 Geointo Solutions                   | 729              | J2308 | 1,526.63  | 65,834.60  |
|                                 | 09-30-2008 | Zone 14 Geointo Solutions                   | 760              | J2982 | 6,697.27  | 72,531.87  |
|                                 | 09-19-2008 | record w/t Allen Raoul                      | perp bk          | J3004 | 3,332.00  | 75,863.87  |
|                                 | 09-30-2008 | Allen J. Raoul                              | w/t - 09/08-cons | J3124 | 6,664.00  | 82,527.87  |
|                                 | 06-03-2008 | correct allocation - Raynaud                | alloc rpt        | J3137 | 3,850.00  | 86,377.87  |
|                                 | 06-03-2008 | correct allocation - Raoul                  | alloc rpt        | J3138 | 8,092.00  | 94,469.87  |
|                                 | 06-20-2008 | correct allocation - Raoul                  | alloc rpt        | J3139 | 3,808.00  | 98,277.87  |
|                                 | 06-20-2008 | correct allocation - Shorrock               | alloc rpt        | J3140 | 4,950.00  | 103,227.87 |
|                                 | 06-20-2008 | correct allocation - Raynaud                | alloc rpt        | J3141 | 4,125.00  | 107,352.87 |
|                                 | 06-30-2008 | correct allocation - Raoul                  | alloc rpt        | J3142 | 6,664.00  | 114,016.87 |
|                                 | 06-30-2008 | correct allocation - Nemoto                 | alloc rpt        | J3143 | 2,250.00  | 116,266.87 |
|                                 | 06-30-2008 | correct allocation - Laura                  | alloc rpt        | J3144 | 1,925.00  | 118,191.87 |
|                                 | 06-30-2008 | correct allocation - Baker                  | alloc rpt        | J3145 | 12,600.00 | 130,791.87 |
|                                 | 08-06-2008 | correct allocation - ODM                    | alloc rpt        | J3146 | 1,075.00  | 131,866.87 |
|                                 | 08-29-2008 | correct allocation - ODM                    | alloc rpt        | J3147 | 3,385.00  | 135,251.87 |
|                                 | 07-21-2008 | correct allocation - Raynaud                | alloc rpt        | J3148 | 3,300.00  | 138,551.87 |
|                                 | 07-21-2008 | correct allocation - Raoul                  | alloc rpt        | J3149 | 3,808.00  | 142,359.87 |
|                                 | 07-21-2008 | correct allocation - Shorrock               | alloc rpt        | J3150 | 3,900.00  | 146,259.87 |
|                                 | 07-21-2008 | correct allocation - Nemoto                 | alloc rpt        | J3151 | 3,750.00  | 150,009.87 |
|                                 | 08-05-2008 | correct allocation - Raoul                  | alloc rpt        | J3152 | 6,188.00  | 156,197.87 |
|                                 | 08-05-2008 | correct allocation - Nemoto                 | alloc rpt        | J3153 | 1,750.00  | 157,947.87 |
|                                 | 08-06-2008 | correct allocation - Baker                  | alloc rpt        | J3154 | 14,400.00 | 172,347.87 |
|                                 | 08-06-2008 | correct allocation - Raynaud                | alloc rpt        | J3155 | 1,925.00  | 174,272.87 |
|                                 | 08-06-2008 | correct allocation - Shorrock               | alloc rpt        | J3156 | 2,700.00  | 176,972.87 |



|            |                               |           |       |           |            |
|------------|-------------------------------|-----------|-------|-----------|------------|
| 08-20-2008 | correct allocation - Nemoto   | alloc rpt | J3157 | 3,000.00  | 179,972.87 |
| 08-25-2008 | correct allocation - Raoul    | alloc rpt | J3158 | 5,712.50  | 185,685.37 |
| 08-25-2008 | correct allocation - Shorrock | alloc rpt | J3159 | 2,700.00  | 188,385.37 |
| 08-28-2008 | correct allocation - raoul    | alloc rpt | J3160 | 4,284.00  | 192,669.37 |
| 08-28-2008 | correct allocation - Shorrock | alloc rpt | J3161 | 3,300.00  | 195,969.37 |
| 08-28-2008 | correct allocation - Nemoto   | alloc rpt | J3162 | 2,250.00  | 198,219.37 |
| 09-05-2008 | correct allocation - Baker    | alloc rpt | J3163 | 4,800.00  | 203,019.37 |
| 09-30-2008 | correct allocation - Baker    | alloc rpt | J3164 | 13,800.00 | 216,819.37 |

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157,311.40

5807 Field expenses

|            |                                         |               |       |          |            |
|------------|-----------------------------------------|---------------|-------|----------|------------|
| 05-31-2008 | Zone 14 Geoinfo Solutions               | 704           | J1839 | 635.87   | 217,455.24 |
| 09-30-2008 | Allen J. Raoul                          | w/t exp       | J3046 | 459.78   | 217,915.02 |
| 09-30-2008 | Allen J. Raoul                          | w/t 09/08-exp | J3125 | 116.96   | 218,031.98 |
| 06-27-2008 | correct allocation - ALS Chemex J2219   | alloc rpt     | J3165 | 562.65   | 218,594.63 |
| 07-30-2008 | correct allocation - ALS Chemex - J2572 | alloc rpt     | J3166 | 131.68   | 218,726.31 |
| 08-28-2008 | correct allocation - ALS Chemex - J2685 | alloc rpt     | J3167 | 351.45   | 219,077.76 |
| 08-06-2008 | correct allocation - Baker expenses     | alloc rpt     | J3168 | 310.47   | 219,388.23 |
| 09-02-2008 | correct allocation - Raoul expenses     | alloc rpt     | J3169 | 1,618.35 | 221,006.58 |
| 09-26-2008 | correct allocation - ALS Chemex - J2986 | alloc rpt     | J3170 | 342.20   | 221,348.78 |

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4,529.41

5809 Rented and leased equipment

|            |                                            |           |       |          |            |
|------------|--------------------------------------------|-----------|-------|----------|------------|
| 05-14-2008 | correct allocation - Enterprise car rental | alloc rpt | J3171 | 1,359.64 | 222,708.42 |
| 06-14-2008 | correct allocation - Enterprise rent a car | alloc rpt | J3172 | 1,899.40 | 224,607.82 |
| 06-11-2008 | correct allocation - enterprise rent a car | alloc rpt | J3173 | 1,899.40 | 226,507.22 |
| 06-30-2008 | correct allocation - enterprise rent a car | alloc rpt | J3174 | 2,045.20 | 228,552.42 |
| 08-10-2008 | correct allocation - enterprise rent a car | alloc rpt | J3175 | 2,045.20 | 230,597.62 |
| 09-17-2008 | correct allocation - enterprise rent a car | alloc rpt | J3176 | 1,494.09 | 232,091.71 |
| 09-17-2008 | correct allocation - enterprise rent a car | alloc rpt | J3177 | 2,045.20 | 234,136.91 |

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12,788.13

5811 Travel and related costs

|            |                                                     |               |       |          |            |
|------------|-----------------------------------------------------|---------------|-------|----------|------------|
| 05-23-2008 | record w/t - mapping Western Warrior claim: perp bk |               | J1934 | 140.00   | 234,276.91 |
| 09-19-2008 | record w/t Ross' Camp                               | perp bk       | J3005 | 1,513.20 | 235,790.11 |
| 09-30-2008 | Allen J. Raoul                                      | w/t exp       | J3046 | 753.86   | 236,543.97 |
| 09-30-2008 | Allen J. Raoul                                      | w/t 09/08-exp | J3125 | 200.00   | 236,743.97 |
| 06-03-2008 | correct allocation - Ross' Camp                     | alloc rpt     | J3178 | 6,778.80 | 243,522.77 |
| 06-20-2008 | correct allocation - Ross' Camp                     | alloc rpt     | J3179 | 3,843.00 | 247,365.77 |
| 06-26-2008 | correct allocation - Raoul exp                      | alloc rpt     | J3180 | 1,209.70 | 248,575.47 |
| 06-26-2008 | correct allocation - raynaud - exp                  | alloc rpt     | J3181 | 559.73   | 249,135.20 |
| 06-26-2008 | correct allocation - Shorrock exp                   | alloc rpt     | J3182 | 351.79   | 249,486.99 |
| 06-30-2008 | correct allocation - Ross' Camp                     | alloc rpt     | J3183 | 3,616.80 | 253,103.79 |
| 06-30-2008 | correct allocation - baker exp                      | alloc rpt     | J3184 | 2,316.48 | 255,420.27 |
| 07-21-2008 | correct allocation - raoul exp                      | alloc rpt     | J3185 | 2,128.80 | 257,549.07 |
| 07-23-2008 | correct allocation - Ross' Camp                     | alloc rpt     | J3186 | 4,506.00 | 262,055.07 |
| 07-30-2008 | correct allocation - Ross' Camp                     | alloc rpt     | J3187 | 4,707.30 | 266,762.37 |
| 08-06-2008 | correct allocation - Baker exp                      | alloc rpt     | J3188 | 1,802.90 | 268,565.27 |
| 08-20-2008 | correct allocation - Ross' Camp                     | alloc rpt     | J3189 | 3,728.40 | 272,293.67 |
| 08-20-2008 | correct allocation - Raynaud exp                    | alloc rpt     | J3190 | 1,048.04 | 273,341.71 |
| 08-25-2008 | correct allocation - Ross' Camp                     | alloc rpt     | J3191 | 7,552.15 | 280,893.86 |
| 08-29-2008 | correct allocation - Shorrock exp                   | alloc rpt     | J3192 | 540.00   | 281,433.86 |
| 08-29-2008 | correct allocation - Nemoto exp                     | alloc rpt     | J3193 | 400.00   | 281,833.86 |
| 09-02-2008 | correct allocation - exp Raoul                      | alloc rpt     | J3194 | 1,483.23 | 283,317.09 |
| 09-30-2008 | correct allocation - Ross' Camp                     | alloc rpt     | J3195 | 1,351.20 | 284,668.29 |
| 09-30-2008 | correct allocation - Baker expenses                 | alloc rpt     | J3196 | 1,150.12 | 285,818.41 |

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51,681.50

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285,818.41

## **APPENDIX INDEX**

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| <b>Appendix A</b> | <b>Detailed Rock Descriptions</b>                             |
| <b>Appendix B</b> | <b>RRR Personnel Sampling 2008</b>                            |
| <b>Appendix C</b> | <b>Stares Contracting Crew Sampling 2008</b>                  |
| <b>Appendix D</b> | <b>Assay Certificates</b>                                     |
| <b>Appendix E</b> | <b>Map 1: 1:20 000 Geology Map – WWR/RRR Option Claims</b>    |
|                   | <b>Map 2a: 1:5 000 Sample Location Map – NW Top Sheet</b>     |
|                   | <b>Map 2b: 1:5 000 Sample Location Map – Centre Top Sheet</b> |
|                   | <b>Map 2c: 1:5 000 Sample Location Map – SE Bottom Sheet</b>  |
|                   | <b>Map 2d: 1:5 000 Sample Location Map – SW1 Bottom Sheet</b> |
|                   | <b>Map 2e: 1:5 000 Sample Location Map – SW2 Bottom Sheet</b> |

## **APPENDIX INDEX**

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| <b>Appendix A</b> | <b>Detailed Rock Descriptions</b>                             |
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|                   | <b>Map 2e: 1:5 000 Sample Location Map – SW2 Bottom Sheet</b> |

**APPENDIX A**

**Detailed Rock Descriptions**

| Date      | Party      | Area            | OC #       | Sample # | Unit | Northing | Easting | OC size (m) | Rock Description                                                                                                                                                                                                                                 |
|-----------|------------|-----------------|------------|----------|------|----------|---------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 16-May-08 | AR, KS, LR | 0.9 km N of dam | B1         | H098002  | 2b   | 5416568  | 443818  | N/T         | Rusty Meta-Arkose / Meta-Arenite - fine to medium-grained, pale green, granular Arkose with 2-3% white quartz +/- calcite veins (1-3 cm) and 1-2% very fine pyrite.                                                                              |
| 16-May-08 | AR, KS, LR | 2.2 km N of dam | B2         | H098006  | 1a   | 5417478  | 443332  | 500 kg      | Rusty Mafic Fragmental (west side of gravel pit) - >40% angular clasts of intermediate-mafic composition in a fine-grained, dark, mafic matrix with trace-2% pyrite.                                                                             |
| 16-May-08 | AR, KS, LR | 2.2 km N of dam | Gravel Pit | N/T      |      | 5417478  | 443347  | 80m x 60m   | Gravel pit located on both sides of road.                                                                                                                                                                                                        |
| 16-May-08 | AR, KS, LR | 0.1 km N of dam | OC01       | N/T      |      | 5415957  | 444028  | 14m x 8m    | Foliated Syenogranite - medium-grained, light grey, weakly foliated & fractured (305°/V) syenogranite. Late fractures @ 305° may contain thin (<0.5cm) quartz vein or epidote alteration. Possible high-grade metasediment (?).                  |
| 16-May-08 | AR, KS, LR | 0.4 km N of dam | OC02       | H098001  | 2a   | 5416294  | 444171  | 90m x 3-10m | Meta-Arenite - medium-grained, light grey, massive, quartz-rich unit (at amphibolite grade) with 2-4% black hornblende; possible bedding (or fracturing) at 285°/72°NE and second fracture at 013°/84°E. Progresses to 10m ridge to the north.   |
| 16-May-08 | AR, KS, LR | 0.8 km N of dam | OC03       | N/T      | 2a   | 5416467  | 444003  | 12m x 5m    | Meta-Arenite - medium-grained, light grey, foliated or bedded (292°/V), quartz-rich unit (at amphibolite grade) with <1% black hornblende.                                                                                                       |
| 16-May-08 | AR, KS, LR | 0.9 km N of dam | OC04       | N/T      | 2c   | 5416517  | 443905  | 5m x 5m     | Meta-greywacke - medium-grained, medium grey (with greenish tint), massive greywacke with high-grade (amphibolitized) matrix of quartz-Kspar-plag-chl-biot.                                                                                      |
| 16-May-08 | AR, KS, LR | 1.0 km N of dam | OC05       | N/T      | 2c   | 5416601  | 443771  | 35m x 7m    | Meta-greywacke - medium-grained, medium grey (but bleached white), foliated or bedded (300°/72°W) greywacke with weak hematite staining on fractures; 40m S of claim line.                                                                       |
| 16-May-08 | AR, KS, LR | 1.3 km N of dam | OC06       | N/T      | 2c   | 5416690  | 443503  | 35m x 6m    | Meta-greywacke - fine to medium-grained, greenish to medium grey, massive greywacke with high-grade (amphibolitized) matrix of quartz-Kspar-plag-chl and trace pyrite.                                                                           |
| 16-May-08 | AR, KS, LR | 1.4 km N of dam | OC07       | H098003  | 2c   | 5416790  | 443476  |             | Meta-greywacke - medium to coarse-grained, medium to dark grey, massive greywacke with trace-1% pyrite. Numerous 0.2-1.0cm quartz veinlets @ 307°/V (earlier) and are crossed by later fractures with 2-3cm quartz veins +/- pyrite @ 346°/80°E. |
| 16-May-08 | AR, KS, LR | 1.7 km N of dam | OC08       | H098004  | 2c   | 5416998  | 443379  | 30m x 7m    | Meta-greywacke - medium-grained, medium-grey, massive greywacke with trace-1% pyrite but no quartz veinlets.                                                                                                                                     |
| 16-May-08 | AR, KS, LR | 1.8 km N of dam | OC09       | H098005  | 2a   | 5417146  | 443389  | 4m x 5m     | Meta-Arenite - fine-grained, light grey, more siliceous, massive arenite with thin (0.2-1cm) quartz veins +/- 1% pyrite @ 288°/80°E; paralleling fracturing.                                                                                     |
| 16-May-08 | AR, KS, LR | 1.9 km N of dam | OC10       | N/T      | 2a   | 5417226  | 443411  | 10m x 3m    | Meta-Arenite - fine-grained, light grey, more siliceous, massive arenite with thin (0.2-1cm) quartz veins +/- 1% pyrite @ 288°/80°E (paralleling fracturing) and is located 75m north of OC9.                                                    |

|           |            |                 |      |         |    |         |        |            |                                                                                                                                                                                                                                                                                                        |
|-----------|------------|-----------------|------|---------|----|---------|--------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 16-May-08 | AR, KS, LR | 2.0 km N of dam | OC11 | N/T     | 2a | 5417404 | 443389 | 5 x 3m     | Meta-Arenite - fine-grained, light grey, more siliceous, massive arenite with thin (0.2-1cm) quartz veins +/- 1% pyrite @ 288°/80°E (paralleling fracturing) and is located 75m north of OC9.                                                                                                          |
| 16-May-08 | AR, KS, LR | 2.3 km N of dam | OC12 | H098007 | 1a | 5417609 | 443333 | 6m x 15m   | Metagreywacke - medium grained, light grey, massive, trace disseminated py.                                                                                                                                                                                                                            |
| 16-May-08 | AR, KS, LR | 2.4 km N of dam | OC13 | H098008 | 1a | 5417674 | 443341 | 17 - 17.5m | Shear zone - highly sheared chloritic basalt (fragmental) with qtz ribbons and >5cm wide qtz vein @ 284°.                                                                                                                                                                                              |
| 16-May-08 | AR, KS, LR | 2.4 km N of dam | OC13 | H098009 | 2c | 5417674 | 443341 | 17.5 - 60m | Metagreywacke - medium grained, light grey, massive, trace disseminated py, @ 32m - 5m long fracture plane, epidotized, @ 162o/78o, @ 42m - 5m long fracture plane, calcite scaling subparallel to epidote plane, @ 48m - qtz vein, 3-6cm wide. Sample taken of qtz vein.                              |
| 16-May-08 | AR, KS, LR | 2.4 km N of dam | OC13 | N/T     | 2b | 5417674 | 443341 | 0 - 7m     | Meta-Arkose - medium grained, tan with red patches due to hematitic staining.                                                                                                                                                                                                                          |
| 16-May-08 | AR, KS, LR | 2.4 km N of dam | OC13 | N/T     | 1a | 5417674 | 443341 | 20cm       | Contact - slip plane, sheared mafic unit, chloritic, 102°/80°S.                                                                                                                                                                                                                                        |
| 16-May-08 | AR, KS, LR | 2.4 km N of dam | OC13 | N/T     | 2b | 5417674 | 443341 | 7 - 12m    | Meta-Arkose - medium grained, tan.                                                                                                                                                                                                                                                                     |
| 16-May-08 | AR, KS, LR | 2.4 km N of dam | OC13 | N/T     | 1a | 5417674 | 443341 | 12 - 13m   | Pelitic - high strain zone of qtz-feld with ribbons of mafics, mostly chl and horn.                                                                                                                                                                                                                    |
| 16-May-08 | AR, KS, LR | 2.4 km N of dam | OC13 | N/T     | 2c | 5417674 | 443341 | 13 - 17m   | Metagreywacke - medium grained, light grey, massive, trace disseminated py.                                                                                                                                                                                                                            |
| 16-May-08 | AR, KS, LR | 2.4 km N of dam | OC13 | N/T     | 2d | 5417674 | 443341 | 60 - 75m   | Heterolithic fragmental - >50% clast dominated, breccia to fragmental unit with matrix hosted by sediments. Clasts consist of felsic to intermediate sandstone. Younging direction to N. Fractures recrystallized, 20-50% grain size increase                                                          |
| 17-May-08 | AR, LR, KS | 9.1 km N of dam | B4   | H098025 | 2a | 5423360 | 445492 | 1000 kg    | Ankerite + Silc-altered Basaltic Fragmental, heavily rusted and oxidized, trace-2% sulph (py) +/- sph                                                                                                                                                                                                  |
| 17-May-08 | AR, KS, LR | 2.7 km N of dam | OC14 | N/T     | 2c | 5417949 | 443266 | 0 - 2m     | Metagreywacke - medium grained, medium grey, massive, calcite precipitated in fractures                                                                                                                                                                                                                |
| 17-May-08 | AR, KS, LR | 2.9 km N of dam | OC15 | H098014 | 2c | 5418232 | 443274 | 50m x 30m  | Monzogranite - medium to coarse grained, tan, massive, 35% Kspar, 35% plag, 20-25% qtz, 5-8% biot & epi, biot partially altered to epi, highly lichen covered, pervasive weathering, rare 030 NE trending aplite dikes, 5-7cm wide.                                                                    |
| 17-May-08 | AR, KS, LR | 3.1 km N of dam | OC16 | N/T     | 5a | 5418412 | 443178 | 90m x 15m  | Monzogranite - medium to coarse grained, pink, massive, 35% Kspar, 35% plag, 20-25% qtz, 5-8% biot & epi, biot partially altered to epi, may be slight grain size increase as we proceed into intrusion, less weathering than OC15. Note: Is this just a coarser grained equivalent to sample H098012? |
| 17-May-08 | AR, KS, LR | 3.1 km N of dam | OC16 | N/T     | 5f | 5418412 | 443178 | 30m to 60m | Aplitic dike phase, fine grained, pink, massive, basic fracture trend at 320, no sample taken due to flat outcrop.                                                                                                                                                                                     |



|           |            |                                          |      |         |    |         |        |             |                                                                                                                                                                                                                                    |
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| 17-May-08 | AR, KS, LR | 3.3km N of dam                           | OC17 | H098015 | 5a | 5418585 | 443228 | 40m x 10m   | Monzogranite - medium to coarse grained, pink, massive, moderate biot to epid alteration, slight increase in mafic content, 10-15%.                                                                                                |
| 17-May-08 | AR, KS, LR | 3.5km N of dam; Gravel Pit opened        | OC18 | H098016 | 5a | 5418689 | 443264 | 55m x 25m   | Monzogranite - medium to coarse grained, pink, massive, 40-45% plag, 20-25% Kspar, 20-25% qtz, biot/epi/chl 7-10%, biot over epi/chl, weak hematitic staining of qtz and plag, little alteration. Gravel Pit is 70m x 25m.         |
| 17-May-08 | AR, KS, LR | 7.2km N of dam                           | OC28 | N/T     | 2b | 5421849 | 445080 | 50m x 7m    | Meta-Arkose - medium grained, grey, poorly bedded, 10m wide granitic plug, medium grained, likely monzogranite with xenolith of pillow basalt to the S. Pillow basalt is highly altered with epi centres.                          |
| 17-May-08 | AR, KS, LR | 7.4km N of dam                           | OC29 | H098022 | 5b | 5422000 | 445133 | 52m x 7-10m | Porphyritic Syenogranite - medium grained, pink, massive, 15% coarse phenocrysts of pink and grey Kspar +/- carlsbad twinning. 5% hbl with strong chl/epi alteration. Trace mafic xenoliths.                                       |
| 17-May-08 | AR, KS, LR | 7.5km N of dam                           | OC30 | N/T     | 5b | 5422192 | 445170 | 105m x 30m  | Porphyritic Syenogranite - medium grained, pink, massive, 15% coarse phenocrysts of pink and grey Kspar +/- carlsbad twinning. 5% hbl with strong chl/epi alteration. Trace mafic xenoliths. Diffuse aplitic dike. East/west road. |
| 17-May-08 | AR, KS, LR | 7.8km N of dam. 15m S of 12km sign.      | OC31 | N/T     | 5b | 5422422 | 445169 | 10m x 8m    | Porphyritic Syenogranite - coarse grained, pink, massive, 15% coarse phenocrysts of pink and grey Kspar +/- carlsbad twinning. 10-12% hbl with strong chl/epi alteration. Trace mafic xenoliths.                                   |
| 17-May-08 | AR, KS, LR | 7.9km N of dam. 40m N of 12km road sign. | OC32 | N/T     | 5b | 5422501 | 445241 | 30m x 10m   | Porphyritic Syenogranite - medium grained, pink, massive, 15% coarse phenocrysts of pink and grey Kspar +/- carlsbad twinning. Trace mafic xenoliths.                                                                              |
| 17-May-08 | AR, KS, LR | 8.0km N of dam                           | OC33 | N/T     | 5b | 5422589 | 445367 | 15m x 8m    | Porphyritic Syenogranite - medium grained, pink, massive, 15% coarse phenocrysts of pink and grey Kspar +/- carlsbad twinning. Saprolitic. Trace mafic xenoliths.                                                                  |
| 18-May-08 | AR, KS, LR | 2.7 km N of dam                          | OC14 | N/T     | 2d | 5417949 | 443266 | 2 - 22m     | Wacke Fragmental (Conglomerate) - 35 - 45% grey sedimentary clasts with light brown clasts, matrix is fine grained, 5-10cm aplitic dike, fine grained, pink, qtz-k-spar, trending NE                                               |
| 18-May-08 | AR, LR, KS | 8.4 km N on dam                          | OC34 | H098023 | 5b | 5422788 | 445640 | 60x30       | Porphyritic Syenogranite, med-coarse grained, off white-pink, basalt xenoliths, pink k-spar phenocrysts                                                                                                                            |
| 18-May-08 | AR, LR, KS | 8.6 km N of dam                          | OC35 | N/T     | 5b | 5422894 | 445600 | 40x40       | Porphyritic Syenogranite, med-coarse grained, off white-pink, basalt xenoliths, pink k-spar phenocrysts, late-stage massive qtz veins                                                                                              |
| 18-May-08 | AR, LR, KS | 8.8 km N on dam                          | OC36 | N/T     | 5b | 5423195 | 445513 | 10x30       | Porphyritic Syenogranite, med-coarse grained, off white-pink, basalt xenoliths, pink k-spar phenocrysts, >5cm wide qtz vein @ 339/V                                                                                                |
| 18-May-08 | AR, LR, KS | 8.9 km N on dam                          | OC37 | N/T     | 5b | 5423205 | 445511 | 50x15       | Porphyritic Syenogranite, med-coarse grained, off white-pink, basalt xenoliths, pink k-spar phenocrysts                                                                                                                            |
| 18-May-08 | AR, LR, KS | 9.1 km N on dam                          | OC38 | H098024 | 5b | 5423360 | 445492 | 35m x 30m   | Porphyritic Syenogranite, med-coarse grained, off white-pink, basalt xenoliths, pink k-spar phenocrysts                                                                                                                            |

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| 18-May-08 | AR, LR, KS | 9.2 km N on dam                    | OC39 | N/T     | 5b | 5423548 | 445539 | 6x60          | Porphyritic Syenogranite, med-coarse grained, off white-pink, basalt xenoliths, pink k-spar phenocrysts                                                                                                                                                                                                                                                                                                                             |
| 18-May-08 | AR, LR, KS | 9.4 km N on dam                    | OC40 | N/T     | 5b | 5423700 | 445597 | 70x25         | Porphyritic Syenogranite, med-coarse grained, off white-pink, basalt xenoliths, pink k-spar phenocrysts, regional fracturing @ 295°, <15cm wide aplitic dike @ 298°, >10cm massive qtz veins                                                                                                                                                                                                                                        |
| 18-May-08 | AR, LR, KS | 9.5 km N on dam                    | OC41 | H098026 | 2c | 5423754 | 445593 | 10x5          | 0-10 m: Meta-greywacke, med-dark grey, med grained, qtz, plag, kspar, bio, bedding @ 264/80°N, some (up to 5%) stretched clasts                                                                                                                                                                                                                                                                                                     |
| 18-May-08 | AR, LR, KS | 9.5 km N on dam                    | OC41 | H098027 | 2d | 5423808 | 445595 | 12x10         | 40-52 m: Lithic Fragmental (Oligomictic Conglomerate?), clast dominated, clasts rounded + elongated, clasts are felsic, coarse grained, sedimentary (Arenite?), pelitic (chl, bio, hbl) fine-grained matrix, 70/30 clast/matrix, trace py, cross-cutting qtz vein @ 005°                                                                                                                                                            |
| 18-May-08 | AR, LR, KS | 9.5 km N on dam                    | OC42 | H098028 | 2d | 5423844 | 445641 | 35x4          | Major unit: Lithic Fragmental (Oligomictic Conglomerate?), clast dominated, clasts rounded + elongated, clasts are felsic, coarse grained, sedimentary (Arenite?), pelitic (chl, bio, hbl) fine-grained matrix, 70/30 clast/matrix, trace py, cross-cutting qtz vein @ 5°: W dike Massive cloritic basalt 30 cm wide, 2% plag phyrlic, @ 270/80°N: E dike 40 cm wide, sheared mafic-UM unit, plag phyrlic, carbonatized, @ 270/80°N |
| 18-May-08 | AR, LR, KS | 9.5 km N on dam                    | OC42 | H098029 | 2d | 5423844 | 445641 | 35x4          | Major unit: Lithic Fragmental (Oligomictic Conglomerate?), clast dominated, clasts rounded + elongated, clasts are felsic, coarse grained, sedimentary (Arenite?), pelitic (chl, bio, hbl) fine-grained matrix, 70/30 clast/matrix, trace py, cross-cutting qtz vein @ 5°: W dike Massive cloritic basalt 30 cm wide, 2% plag phyrlic, @ 270/80°N: E dike 40 cm wide, sheared mafic-UM unit, plag phyrlic, carbonatized, @ 270/80°N |
| 18-May-08 | AR, LR, KS | 9.6 km N on dam                    | OC43 | H098030 | 3b | 5423900 | 445670 | 8m x 6m       | Meta-melano-gabbro, weakly magnetic, weakly foliated @ 276°, dark grey to black, gradationally fine to med grained moving NE, >50% amph, plag, minor bio                                                                                                                                                                                                                                                                            |
| 18-May-08 | AR, LR, KS | 9.7 km N on dam                    | OC44 | H098031 | 3b | 5423920 | 445718 | 3x12          | Meta-melano gabbro, black, med grained, amphibole rich, foliated @ 270°                                                                                                                                                                                                                                                                                                                                                             |
| 18-May-08 | AR, LR, KS | 9.7 km N on dam                    | OC44 | H098032 | 3a | 5423920 | 445718 | 3x0.75        | Gabbro chill zone, very fine-fine grained, dark greenish-grey, coarse recryst. along cross-cut fractures, sandy texture, no foliation                                                                                                                                                                                                                                                                                               |
| 18-May-08 | AR, LR, KS | 9.7 km N on dam                    | OC44 | H098033 | 2a | 5423920 | 445718 | 3x1.25        | Meta-arenite, med grained, off white-buff, qtz, plag, kspar, massive, sharp contact with gabbro chill                                                                                                                                                                                                                                                                                                                               |
| 18-May-08 | AR, LR, KS | 9.8 km N on dam. 5m S of 14km sign | OC45 | H098034 | 3a | 5424055 | 445811 | Five 10x10    | Meta-melano-gabbro, dark grey-black, med-coarse grained, biotite foliation @ 280°, fracture-filling trends sub-// to bedding, epidotization                                                                                                                                                                                                                                                                                         |
| 18-May-08 | AR, LR, KS | 10.1 km N on dam                   | OC46 | H098035 | 3b | 5424183 | 445987 | 10x5 (W side) | Tectonized Meta-gabbro, black, med grained, high amphibole, arenite(?) clasts with pelitic matrix, 3-4% frags, contains garnets, biotite, qtz blebs, appears baked                                                                                                                                                                                                                                                                  |

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| 18-May-08 | AR, LR, KS | 10 km N on dam         | OC46         | N/T     | 2a | 5424141 | 445966 | 4x4 (E side)   | Meta-arenite, med grained, lt grey, trending 320/90°, poorly bedded, 30cm massive basalt sill                                                                                       |
| 18-May-08 | AR, LR, KS | 10 km N on dam         | OC46         | N/T     | 2a | 5424145 | 445901 | 2x4 (W side)   | Meta-arenite, med grained, lt grey, trending 320/90°, poorly bedded, 30cm massive basalt sill, 4 meters down from 1st oc                                                            |
| 18-May-08 | AR, LR, KS | 10km N on dam          | OC46         | N/T     | 3a | 5424168 | 445966 | 5x5 (E side)   | Meta-arenite - Meta-gabbro contact, arenite med grained, lt grey, poorly bedded, gabbro med grained, black, amph rich, contact deformed                                             |
| 18-May-08 | AR, LR, KS | 10.1 km N on dam       | OC46         | N/T     | 3b | 5424183 | 445987 | 55x10 (E side) | Tectonized Meta-gabbro, black, med grained, high amphibole, arenite(?) clasts with pelitic matrix, 3-4% frags, contains garnets, biotite, qtz blebs, appears baked                  |
| 18-May-08 | AR, LR, KS | 10.2 km N on dam       | OC47         | H098036 | 2c | 5424233 | 446063 | 30x32          | 0-32m: Meta-greywacke, fine-med grained, black, contains garnets, bedded @ 308/82°N                                                                                                 |
| 18-May-08 | AR, LR, KS | 10.2 km N on dam       | OC47         | H098037 | 2c | 5424233 | 446063 | 30x5           | 32-37m: Meta-greywacke, med grained, med grey, bedded @ 312/76°N, mafic dike 0.8 m and serpentized, (0.8m chip)                                                                     |
| 18-May-08 | AR, LR, KS | 10.3 km N on dam       | OC48         | N/T     | 2c | 5424289 | 446100 | 15x10          | 32-37m: Meta-greywacke, med grained, med grey, bedded @ 312/78°N                                                                                                                    |
| 18-May-08 | AR, LR, KS | 10.3 km N on dam       | OC49         | N/T     | 2b | 5424329 | 446119 | 20x4           | Meta-arkose, med grained, med-lt grey, bedding @ 354/78°N, basaltic dike 5-10 cm thick, minor chloritic alteration                                                                  |
| 18-May-08 | AR, LR, KS | 10.5 km N on dam       | OC50         | N/T     | 2b | 5424400 | 446160 | 10x4           | Meta-arkose, med-fine grained, med grey, rusty weathering, hematitic staining, qtz veining with epidote alteration, massive                                                         |
| 18-May-08 | AR, LR, KS | 10.7 km N on dam       | OC51         | N/T     | 2b | 5424613 | 446333 | 30x12          | Meta-arkose, med grained, med-lt grey, poor bedding @ 042°, quartz veinlets, contains fragments, dumped sediment package                                                            |
| 18-May-08 | AR, LR, KS | 10.8 km N on dam       | OC52         | N/T     | 2d | 5424663 | 446396 | 8m x 4m        | Fragmental meta-arkose, med grained, med grey, 10-15% coarse fragments 1-30cm and stretched, foliation at 2°, arkose-arenite clasts, rare qtz veinlets, mafic dike 20cm wide @ 012° |
| 19-May-08 | AR, LR, KS | 11.6 km N on dam       | B5           | H098050 | 1a | 5425193 | 447039 | 30 Kg          | Rusty Boulder - highly oxidized boulder with silica alteration of basalt (?) with >2% pyrite; 10m west of OC61.                                                                     |
| 19-May-08 | AR, LR, KS | 6.2 km N of dam, 70m S | B6           | H098056 | 2b | 5420949 | 444639 | 300 Kg         | Rusty Boulder - highly oxidized boulder of medium-grained, light grey (to rusty) meta-arkose to meta-arenite with silica +/- calcite-ankerite alteration.                           |
| 19-May-08 | AR, LR, KS | 5.4km N of dam         | Blast Quarry | N/T     | 5a | 5420310 | 444388 | 14m x 10m x 4m | Shot rock of monzogranite (1500T)                                                                                                                                                   |
| 19-May-08 | AR, KS, LR | 2.7 km N of dam        | OC14         | N/T     | 2c | 5417949 | 443266 | 22 - 32m       | Metagreywacke - medium grained, medium grey, massive, calcite precipitated in fractures                                                                                             |
| 19-May-08 | AR, LR, KS | 10.8 km N on dam       | OC53         | H098038 | 1a | 5424771 | 446535 | 60m x 2-25m    | >1m thick units of 2-10% plagioclase phyric (0.5-1.0cm) massive +/- minor pillowed flows.                                                                                           |
| 19-May-08 | AR, LR, KS | 10.8 km N on dam       | OC53         | H098039 | 1a | 5424771 | 446535 | 60m x 2-25m    | Plagioclase-phyric Mafic Flows with Interbedded Tuffs - fine-grained, dark greenish-grey, bedded (353°N) mafic tuffs                                                                |

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| 19-May-08 | AR, LR, KS | 10.9 km N on dam | OC54 | H098040 | 1a     | 5424773 | 446650 | 12m x 20m | Massive Mafic Flows - fine-grained, dark grey-black, massive mafic flows (basalt) with strong cleavage (007°/66°E); possible foliation. Late 3-5cm quartz vein at 260°/80°N with minor chlorite-calcite.                                                                                                                                                                                                                                                                       |
| 19-May-08 | AR, LR, KS | 11.0 km N on dam | OC55 | H098041 | 1b     | 5424790 | 446748 | 20m x 20m | Strained Pillow Flows - fine-grained, black, highly strained (009°/80°E) pillowed basalt (>10:1 strain ellipses) with 2-5% fine (0.5-1cm) orange quartz veins that parallel strain.                                                                                                                                                                                                                                                                                            |
| 19-May-08 | AR, LR, KS | 11.0 km N on dam | OC55 | H098042 | 5f     | 5424790 | 446748 | 20m x 20m | Aplite Dike - at the west end of outcrop, a 20cm wide, fine-grained, grey, siliceous dike                                                                                                                                                                                                                                                                                                                                                                                      |
| 19-May-08 | AR, LR, KS | 11.0 km N on dam | OC55 | H098043 | QV     | 5424790 | 446748 | 20m x 20m | Quartz vein - at the east end of outcrop, a fine-grained, reddish-grey, massive, 15cm wide quartz vein (grab). There are several 1-2cm quartz or quartz-feldspar untested veins, paralling the strain direction.                                                                                                                                                                                                                                                               |
| 19-May-08 | AR, LR, KS | 11.2 km N on dam | OC56 | H098044 | 4a     | 5424889 | 446899 | 35m x 30m | Diorite - medium-grained, spotted, massive diorite with 60% plagioclase, <5% Kspar, 2% quartz and 35% hornblende with minor epidote (<3%)                                                                                                                                                                                                                                                                                                                                      |
| 19-May-08 | AR, LR, KS | 11.2 km N on dam | OC56 | H098045 | 4a, 1a | 5424889 | 446899 | 35m x 30m | Contact - A 2m contact zone of >30-50% basalt clasts in dioritic matrix; chip sample is 40cm.                                                                                                                                                                                                                                                                                                                                                                                  |
| 19-May-08 | AR, LR, KS | 11.5 km N on dam | OC57 | H098046 | 8      | 5425082 | 447151 | 50m x 50m | Diabase - medium-grained, spotted, equigranular, ophitic, diabase dike with 1-2% olivine and weakly magnetic and trace sulphides (py). Massive texture with fracturing (due to blasting). Several small shears (<10cm) of chlorite-biotite +/- quartz veins at 320°/75°NE.                                                                                                                                                                                                     |
| 19-May-08 | AR, LR, KS | 11.7 km N on dam | OC58 | H098047 | 4a     | 5425185 | 447376 | 20m x 20m | Diorite - medium-grained, spotted, massive diorite with courser and finer sections and 5-10% Kspar. Late quartz-feldspar filled fractures at 300°/V. This unit continues northward for >100m of flat-lying diorite.                                                                                                                                                                                                                                                            |
| 19-May-08 | AR, LR, KS | 11.9 km N on dam | OC59 | H098048 | 5f, 4a | 5425276 | 447525 | 40m x 4m  | Aplite Dike (in diorite) - 0.20m fine-grained, pink, aplite dike at 028°/70°E in medium-grained diorite.                                                                                                                                                                                                                                                                                                                                                                       |
| 19-May-08 | AR, LR, KS | 12.0 km N on dam | OC60 | H098049 | 4a     | 5425306 | 447649 | 50m x 15m | Diorite - medium-grained, grey, spotted diorite with several 5-40cm aplite dikes at 360°. Several small (<0.1m wide) shears, subparalleling dikes.                                                                                                                                                                                                                                                                                                                             |
| 19-May-08 | AR, LR, KS | 11.6 km N on dam | OC61 | N/T     | 4a     | 5425209 | 447052 | 15 x 4m   | Diorite - medium-grained, grey, equigranular, spotted diorite with 20% plagioclase and 3% late quartz-feldspar filled fractures (<3cm veins) at 342°.                                                                                                                                                                                                                                                                                                                          |
| 19-May-08 | AR, LR, KS | 11.6 km N on dam | OC62 | H098051 | 4a, 1b | 5425125 | 446996 | 15m x 6m  | Contact of Weakly Foliated Diorite (east) to Altered Pillow Basalt (west) - The eastern side of the outcrop is weakly foliated (012°), medium-grained, spotted diorite with >45% plagioclase, <5% Kspar, >40% hornblende and >5% recrystallized, 2-7cm, quartz veins with <1% basalt xenoliths. This is in contact (000°/V) to the west with fine-grained, dark green - black, chloritic pillow basalt (H098051) with anomalous quartz-feldspar veins along pillow boundaries. |
| 19-May-08 | AR, LR, KS | 11.6 km N on dam | OC62 | H098052 | QV     | 5425125 | 446996 | 15m x 6m  | Sample of 2-7cm quartz vein from OC62.                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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| 19-May-08 | AR, LR, KS | 11.6 km N on dam (open cut)           | OC63 | N/T     | 4a | 5425089 | 447100 | 50m x 30m         | Diorite - medium-grained, grey, spotted, massive diorite with late stage fractures infilled with quartz-feldspar. Could not locate Diabase boundary to Diorite.                                                                                                                                                |
| 19-May-08 | AR, LR, KS | 9.6 km N of dam along old road        | OC64 | H098053 | 5b | 5422196 | 444982 | 30m x 10m         | Porphyritic Syenogranite - medium-grained, light green, syenogranite and >5% phenocrysts of Kspar.                                                                                                                                                                                                             |
| 19-May-08 | AR, LR, KS | 9.6 km N of dam along old road        | OC65 | N/T     | 5b | 5422181 | 444882 | <30m <sup>2</sup> | Porphyritic Syenogranite - numerous small outcrops (<30m <sup>2</sup> ) of medium-grained, light green, syenogranite with 7-10% phenocrysts of Kspar, 1% biotite or sediment xenoliths.                                                                                                                        |
| 19-May-08 | AR, LR, KS | 9.6 km N of dam along old road        | OC66 | N/T     | 5b | 5422337 | 444944 | <10m <sup>2</sup> | Porphyritic Syenogranite - numerous small outcrops (<10m <sup>2</sup> ) of medium-grained, light green, syenogranite with 7-10% phenocrysts of Kspar, 1% biotite or sediment xenoliths.                                                                                                                        |
| 19-May-08 | AR, LR, KS | 9.6 km N of dam along old road (292°) | OC67 | H098054 | 5a | 5421126 | 444879 | 8x3               | Monzogranite: m-cgr, light pink-grey, several thin (0.5-2cm) aplite dikes (<2%) at 025/v and 050/v                                                                                                                                                                                                             |
| 19-May-08 | AR, LR, KS | 6.5 km N of dam, 300m down old road   | OC67 | N/T     | 5a | 5420991 | 444874 | 8m x 3m           | Monzogranite - medium to coarse-grained, light pink to light grey, monzogranite with several thin (0.5-2.0cm) at 2% aplite dikes at 025°/V and 050°/V.                                                                                                                                                         |
| 19-May-08 | AR, LR, KS | 6.2 km N of dam, 300m down old road   | OC68 | H098055 | 5a | 5421012 | 444834 | 30m x 24m         | Monzogranite - medium-grained, beige, monzogranite with >10% aplite dikes at 040°.                                                                                                                                                                                                                             |
| 19-May-08 | AR, LR, KS | 4.3 km N of dam, down logging rd      | OC69 | N/T     | 5a | 5419301 | 443994 |                   | Monzogranite - medium-grained, pink to light grey, equigranular monzogranite with no fracturing.                                                                                                                                                                                                               |
| 19-May-08 | AR, LR, KS | 4.3 km N of dam, down logging road    | OC70 | N/T     | 5a | 5419087 | 444216 | 12m x 5m          | Monzogranite - medium to coarse-grained, white to light grey, equigranular massive monzogranite.                                                                                                                                                                                                               |
| 19-May-08 | AR, LR, KS | 4.3 km N of dam, down logging road    | OC71 | H098057 | 5a | 5418958 | 444258 | 200m x 25m        | Monzogranite - medium to coarse-grained, pink, equigranular, massive monzogranite in a long ridge (060°). Contains 20% quartz, 15% plagioclase, 50% Kspar, and >5% hornblende +/- biotite-chlorite                                                                                                             |
| 19-May-08 | AR, LR, KS | 4.3 km N of dam, down logging road    | OC72 | N/T     | 5b | 5418961 | 444513 |                   | Syenogranite - coarse-grained, pale pink to pale grey, massive, equigranular syenogranite with weak hematite stainings of Kspar with <5% hornblende-biotite +/- chlorite; grain size increase may be due to farther into the intrusion.                                                                        |
| 19-May-08 | AR, LR, KS | 4.3 km N of dam, down logging road    | OC73 | N/T     | 5b | 5419075 | 444723 | <50m <sup>2</sup> | Syenogranite - coarse-grained, pale pink to pale grey, massive, equigranular syenogranite with weak hematite stainings of Kspar with <5% hornblende-biotite +/- chlorite. Numerous outcrops (>50m <sup>2</sup> ) of similar units that continue eastward for >200m in all directions; road blocked by trailer. |

|           |            |                                         |       |         |        |         |        |                   |                                                                                                                                                                                                                                                                                                    |
|-----------|------------|-----------------------------------------|-------|---------|--------|---------|--------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 20-May-08 | AR, LR, KS | 2.0km S of dam; 15m N of 2km sign       | OC 74 | N/T     | 5d     | 5415286 | 442112 | 7m x 3m           | Foliated Monzogranite - medium grained, light grey, foliated @ 290.                                                                                                                                                                                                                                |
| 20-May-08 | AR, KS, LR | 2.7 km N of dam                         | OC14  | N/T     | 2d     | 5417949 | 443266 | 32 - 50m          | Fragmental - 20-30% clasts (variable 0 - 50%), containing metagreywacke, proceeding N find increasing aplitic dikes, pink, 2-5cm sigmoidal and elongated clasts.                                                                                                                                   |
| 20-May-08 | AR, LR, KS | 11.9 km N on dam, turned NW for 0.3km   | OC74A | N/T     | 4a     | 5425540 | 447639 | <20m <sup>2</sup> | Diorite - medium-grained, grey, massive diorite with numerous small (<20m <sup>2</sup> ) outcrops along road base.                                                                                                                                                                                 |
| 20-May-08 | AR, LR, KS | 11.9 km N on dam, turned NW for 0.6km   | OC74B | N/T     | 4a     | 5425739 | 447676 | 20m x 2m          | Diorite - medium to coarse-grained, grey, spotted, diorite with >3% fine dikes (1-3cm) of fine granite at 340°.                                                                                                                                                                                    |
| 20-May-08 | AR, LR, KS | 11.9 km N on dam, turned NW for 1.0km   | OC75  | N/T     | 4a     |         |        | 15m x 3m          | Diorite - medium to coarse-grained, grey, spotted, diorite with >3% fine dikes (1-3cm) of fine granite at 340°. Part of longer 200m ridge.                                                                                                                                                         |
| 20-May-08 | AR, LR, KS | 2.5km N on dam, then 150m east on trail | OC76  | H098058 | 2b     | 5417873 | 443459 | 8m x 5m           | Meta-Arkose - medium grained, dark grey, massive.                                                                                                                                                                                                                                                  |
| 20-May-08 | AR, LR, KS | 2.5km N on dam, then 200m east on trail | OC77  | H098059 | 5b     | 5417980 | 443573 | 20m x 20m         | Syenogranite - medium to coarse grained, pink, massive, 60% Kspar, 30% quartz, 7% plag, 3% mafics, trace 1-3cm aplitic dike trending Az350.                                                                                                                                                        |
| 20-May-08 | AR, LR, KS | 2.5km N on dam, then 750m west on trail | OC78  | H098060 | 2c     | 5417978 | 442743 | 5m x 4m           | Metagreywacke - fine to medium-grained, dark grey, massive greywacke                                                                                                                                                                                                                               |
| 20-May-08 | AR, LR, KS | 0.5km S of dam                          | OC79  | H098061 | 2b, 1b | 5415462 | 443543 | 17m x 5m          | Metasiltstone with interbeds of chert - very fine grained, black to tan, bedded @ 306/72N, qtz vein - 1 cm wide, @ 050 crosscutting bedding. Chert beds suggest younging direction is NE, trace clasts of pillows up to 35cm elongated parallel to bedding, thin laminations, 2mm, of biotite/chl. |
| 20-May-08 | AR, LR, KS | 0.7km S of dam                          | OC80  | H098062 | 1a     | 5415533 | 443389 | 70m x 7m          | Metabasalt - fine grained, black, massive.                                                                                                                                                                                                                                                         |
| 20-May-08 | AR, LR, KS | 0.7km S of dam                          | OC80  | H098063 | 2b     | 5415533 | 443389 | 70m x 0.35m       | Contact between metasiltstone with interbeds of chert and metabasalt @300/50N, highly chloritized with carbonate veinlets.                                                                                                                                                                         |



|           |            |                 |            |         |    |         |        |              |                                                                                                                                                                                                                                                                                                 |
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| 20-May-08 | AR, LR, KS | 0.7km S of dam  | OC80       | N/T     | 2b | 5415533 | 443389 | 70m x 5m     | Metasiltstone with interbeds of chert - very fine grained, black to tan, bedded @ 306.                                                                                                                                                                                                          |
| 20-May-08 | AR, LR, KS | 1.0km S of dam  | OC81       | H098064 | 5d | 5415593 | 443075 | 30m x 15m    | Foliated Monzogranite - medium grained, light pinkish grey, foliated @ 292/V, 40% plag, 30% qtz, 20% Kspar, 10% mafics, amphibole and biot altered to epi, subhorizontal pegmatite veins, up to 10cm, subhorizontal aplitic dikes, up to 3cm.                                                   |
| 20-May-08 | AR, LR, KS | 1.1km S of dam  | OC82       | H098065 | 1a | 5415549 | 442955 | 42m x 90m    | 30m x 5m thick basaltic xenolith within foliated monzogranite with vertical fracture filling pegmatite, 5cm thick, very coarse, pink, Kspar>qtz>plag +/- biot. Sample taken across pegmatite dike. Note: bridge on S side of outcrop.                                                           |
| 20-May-08 | AR, LR, KS | 1.3km S of dam  | OC83       | N/T     | 5c | 5415411 | 442790 | 90m x 10m    | Monzogranite - medium grained, light grey, massive to foliated, contains xenoliths of meta-arkose from 2cm to 2m+, late aplitic dikes @ 282, up to 10cm wide, most ~5cm, trace qtz-feld veinlets, <0.5cm.                                                                                       |
| 20-May-08 | AR, LR, KS | 1.8km S of dam  | OC84       | H098066 | 5c | 5415379 | 442467 | 15m x 10m    | Monzogranite - medium grained, light grey, weakly foliated @ 287, randomly oriented qtz veinlets, 3-10cm, randomly oriented qtz/feld veins, 1-2cm.                                                                                                                                              |
| 20-May-08 | AR, LR, KS | 1.8km S of dam  | OC84       | H098067 | QV | 5415379 | 442467 | 10cm         | Qtz vein, 10cm, pure qtz, @ 055/V.                                                                                                                                                                                                                                                              |
| 20-May-08 | AR, LR, KS | 2.2km S of dam  | OC86       | H098068 | 5c | 5415240 | 441934 | 60m x 50m    | Monzogranite - fine grained, light greenish grey, massive, first fracture @ 280, second fracture @ 150, mafics highly altered to chl/epi, weak hematization, plag altered into chl, amphibolite facies, grain size reduction possibly due to tectonic event.                                    |
| 21-May-08 | AR, KS     | 3.1 km S of dam | Gravel Pit | N/T     |    | 5414668 | 441180 | 60 x 80 x 5m | Road travelling behind it trending E                                                                                                                                                                                                                                                            |
| 21-May-08 | AR, KS     | 3.3 km S of dam | Gravel Pit | N/T     |    | 5414585 | 441090 | 20 x 30 x 2m |                                                                                                                                                                                                                                                                                                 |
| 21-May-08 | AR, KS, LR | 2.7 km N of dam | OC14       | H098010 | 2c | 5417949 | 443266 | 50 - 53m     | Shear zone - 3m wide, >30-50% basalt - gabbro fragments in metasediments.                                                                                                                                                                                                                       |
| 21-May-08 | AR, KS     | 2.8 km S of dam | OC87       | H098069 | 5d | 5414987 | 441358 | 110x15       | Meta-monzogranite, fine-med grained, tectonic overprinting, greyish-pink, 15% kspar, 5-7% hbl (chl, bio, epidote), massive to foliated, strained, fracturing @ 350° with 10-150cm aplitic dikes trending 5°, showing sugary txt and pale orange and 3-5cm white qtz veins trending 360° and 75° |
| 21-May-08 | AR, KS     | 2.8 km S of dam | OC87       | H098070 | 5f | 5414987 | 441358 | 110x15       | Sample of the 10-150cm aplite dikes from OC87                                                                                                                                                                                                                                                   |
| 21-May-08 | AR, KS     | 2.8 km S of dam | OC87       | H098071 | QV | 5414987 | 441358 | 110x15       | Sample of the 3-5cm white qtz veins trending 360° and 75°                                                                                                                                                                                                                                       |
| 21-May-08 | AR, KS     | 3.9 km S of dam | OC88       | H098072 | 5d | 5414485 | 440912 | 80x50        | Meta-monzogranite, med grained, med grey-pink, weak foliation @ 40°, strained aplitic dike trends 75° with 1-4cm cm qtz veins average 350°                                                                                                                                                      |
| 21-May-08 | AR, KS     | 3.9 km S of dam | OC88       | H098073 | QV | 5414485 | 440912 | 80x50        | Qtz veins average 350°, 1-4cm from OC88                                                                                                                                                                                                                                                         |

|           |        |                                    |      |         |        |         |        |           |                                                                                                                                                                                                |
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| 21-May-08 | AR, KS | 4.8 km S of dam                    | OC89 | N/T     | 5c     | 5414113 | 439810 | 5x4       | Meta-monzogranite, med grey, med grained, massive                                                                                                                                              |
| 21-May-08 | AR, KS | 5.3 km S of dam                    | OC90 | H098074 | 5d     | 5414381 | 439460 | 30x3-10   | Foliated Meta-monzogranite, fine-med grained, med pinkish-grey, moderate foliation @ 43°, 2cm qtz vein @ 315°                                                                                  |
| 21-May-08 | AR, KS | 5.5 km S of dam                    | OC91 | H098075 | 7      | 5414501 | 439294 | 0.5x2     | Massive basalt dike, dark grey, trace-2% sulph (py)                                                                                                                                            |
| 21-May-08 | AR, KS | 5.5 km S of dam                    | OC91 | H098076 | 2a     | 5414501 | 439294 | 25m x 5m  | Meta-arenite, fine grained, buff, sugary txt, bedding @ 36°, small (<3m) arkose section                                                                                                        |
| 21-May-08 | AR, KS | 5.5 km S of dam                    | OC91 | N/T     | 5c     | 5414501 | 439294 | 22x10     | Meta-monzogranite, med grained, med grey, massive                                                                                                                                              |
| 21-May-08 | AR, KS | Southgoing trail @ 5.5             | OC92 | H098077 | 5d     | 5414549 | 439653 | 60m x 40m | Meta-monzogranite - fine grained, light grey, weakly foliated monzogranite with chloritic alteration and 2-3cm wide qtz veins @ 030°                                                           |
| 21-May-08 | AR, KS | Southgoing trail @ 5.5 km S of dam | OC93 | H098078 | 5c     | 5413917 | 439690 | 25m x 15m | Meta-monzogranite, fine-med grained, med pinkish-grey, massive monzogranite of 20% qtz, 40% plag, 30% kspar, 10% amph-bio-chl with minor quartz veins                                          |
| 21-May-08 | AR, KS | Southgoing trail @ 5.5 km S of dam | OC93 | H098079 | QV     | 5413917 | 439690 | 25m x 15m | 1-3cm quartz veins @ 040° (from multiple chip source)                                                                                                                                          |
| 21-May-08 | AR, KS | Southgoing trail @ 5.5 km S of dam | OC94 | N/T     | 5d     | 5413827 | 439533 | 50m x 15m | Foliated Meta-monzogranite - fine-med grained, med pinkish-grey, weakly foliated (030°) monzogranite with 20% qtz, 40% plag, 30% kspar, 10% amph-bio-chl with 1-3cm, massive, qtz veins @ 035° |
| 21-May-08 | AR, KS | Southgoing trail @ 5.5 km S of dam | OC95 | H098080 | 5c     | 5413802 | 439395 | 35m x 60m | Meta-monzogranite - med grained, med grey, massive with quartz-filled fracturing @ 300°                                                                                                        |
| 21-May-08 | AR, KS | Southgoing trail @ 5.5 km S of dam | OC95 | H098081 | QV     | 5413802 | 439395 | 35m x 60m | Quartz filled fracturing @ 300°                                                                                                                                                                |
| 21-May-08 | AR, KS | 1.3 km down road @ 5.1km S of      | OC96 | N/T     | 5c, 5e | 5413874 | 441431 | 7m x 3m   | Meta-monzogranite, fine-med grained, med pinkish-grey, massive, monzogranite with 10-15cm pegmatite dikes                                                                                      |
| 21-May-08 | AR, KS | 1.5 km down road @ 5.1km S of      | OC97 | N/T     | 5c, 5e | 5413805 | 441586 | 8m x 1m   | Meta-monzogranite, fine-med grained, med pinkish-grey, massive, monzogranite with 10-15cm pegmatite dikes                                                                                      |

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| 21-May-08 | LR     | 5.2 km S of dam, 300m N OVBD          | OC98                 | H098082 | 2a | 5414994 | 439146 | 20m x 15m      | Meta-Arenite - fine grained, light grey, massive to poorly bedded @ 210o, trace qtz veinlets, 0.5-2cm wide, white to colourless, stringer-like.                                                                                       |
| 21-May-08 | AR, KS | 6.3 km S of dam                       | Operating Gravel Pit | N/T     |    | 5414481 | 438559 | 500m           | 170°                                                                                                                                                                                                                                  |
| 22-May-08 | AR, KS | 4.6 km S of dam                       | B7                   | H098090 | 1a | 5414136 | 440620 |                | Altered basalt - very fine grained, light grey-brown, altered basalt, highly friable and oxidized (calcite-ankerite?), silica and trace py                                                                                            |
| 22-May-08 | AR, KS | 5.2 km down SE road @ 5.1 km S of dam | Beaver dam/Swamp     | N/T     |    | 5410791 | 442761 | Beaver & swamp | Beaver pond on east side of road (300m), Swamp on west side of road (500m).                                                                                                                                                           |
| 22-May-08 | AR, KS | 6.6 km down SE road @                 | Gravel Pit/ Open cut | N/T     |    | 5409604 | 443326 | see            | >100m on E face of gravel pit, open cut >500m x >1000m. Could not located claim line                                                                                                                                                  |
| 22-May-08 | AR, KS | 1.9 km down SE road @ 5.1 km S of dam | OC100                | N/T     | 5d | 5413627 | 441949 | 75m x 10m      | Foliated to massive Monzogranite - fine to medium grained, dark grey, foliated @ 290° and parallel to fracturing, weak to moderate alteration of biot-chl-epi on finer matrix, similar to OC99.                                       |
| 22-May-08 | AR, KS | 2.1 km down SE road @ 5.1 km S of dam | OC101                | N/T     | 5d | 5413515 | 442202 | 35m x 25m      | Foliated Monzogranite - fine to medium grained, dark grey, foliated @ 290° and parallel to fracturing, weak to moderate alteration of biot-chl-epi on finer matrix, rare mafics, 7cm aplite dike @ 075°N, 10cm qtz-Kspar dike @ 291°N |
| 22-May-08 | AR, KS | 2.3 km down SE road @ 5.1 km S of dam | OC102                | H098087 | 5d | 5413434 | 442322 | 20m x 4m       | Foliated monzogranite - medium grained, dark grey, moderately to strongly foliated, moderately foliated @ 292°, 5cm qtz-kspar dike (granite) @ 058°N                                                                                  |
| 22-May-08 | AR, KS | 2.6 km down SE road @ 5.1 km S of dam | OC103                | N/T     | 5d | 5413152 | 442530 | 70m x 25m      | Foliated Monzogranite - medium grained, dark grey, moderately to strongly foliated, similar to OC102, 0.7m or 1cm Kspar-qtz dike @ 280°.                                                                                              |
| 22-May-08 | AR, KS | 2.7 km down SE road @ 5.1 km S of dam | OC104                | H098088 | 5d | 5413063 | 442603 |                | Foliated Monzogranite - fine to medium grained, pink to grey, massive to moderately foliated, strong fracturing @ 316°N, rare basaltic xenoliths <0.3m, qtz-Kspar veining, <1 cm, @ 060°N.                                            |

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| 22-May-08 | AR, KS |                                       | OC105             | N/T     | 5d | 5412984 | 442720 | 12m x 5m             | Foliated Monzogranite - fine to medium grained, pink to grey, massive to moderately foliated, similar to OC104, small < 10cm qtz-Kspar dikes @ 060°.                                     |
| 22-May-08 | AR, KS | 3.5 km down SE road @ 5.1 km S of dam | OC106             | N/T     | 5c | 5412410 | 442880 | 10m x 5m             | Massive Monzogranite - fine to medium grained, grey, weakly foliated @ 305°, 5-8 cm wide coarse pegmatite of Kspar-qtz @ 285°/V, sections are more massive, drumlin area, road scraping? |
| 22-May-08 | AR, KS | 3.6 km down SE road @ 5.1 km S of dam | OC107             | N/T     | 5c | 5412285 | 442918 | 10m wide x >50m long | Monzogranite - fine to medium grained, grey, weakly foliated, similar to OC106, with <1cm qtz-Kspar fractures @ 280°/V                                                                   |
| 22-May-08 | AR, KS | 3.7 km down SE road @ 5.1 km S of dam | OC107 B           | N/T     | 5c | 5412067 | 443053 | 6m x 12m             | Monzogranite - medium grained, grey, massive to weakly foliated, similar to OC107.                                                                                                       |
| 22-May-08 | AR, KS | 4.6 km down SE road @ 5.1 km S of dam | OC108             | H098089 | 5c | 5411344 | 443008 | 20m x 12m            | Monzogranite - medium grained, grey, massive                                                                                                                                             |
| 22-May-08 | AR, KS | 4.8 km down SE road @ 5.1 km S of dam | OC109 / Side Road | N/T     | 5d | 5411196 | 442922 | 50m x 30m            | Foliated Monzogranite - weakly to moderately foliated @ 270°, 3-5cm, medium to coarse grained Kspar-qtz vein @ 272°/V. Side road trending @ 270°.                                        |
| 22-May-08 | AR, KS | 5.0 km down SE road @ 5.1 km S of dam | OC110 / Old road  | N/T     | 5c | 5410952 | 442831 | 40m x 40m            | Monzogranite - weakly foliated @ 274°. Outcrop is a series of small outcrops < 10m <sup>2</sup> .                                                                                        |
| 22-May-08 | AR, KS | 5.1 km down SE road @ 5.1 km S of dam | OC111             | N/T     | 5c |         |        | 10m x 4m             | Monzogranite - weakly foliated @ 275° to massive with medium grained qtz-Kspar dike @ 170°/V.                                                                                            |
| 22-May-08 | AR, KS |                                       | OC113             | H098092 | 5c | 5414785 | 441711 | 25m x 15m            | Monzogranite - medium grained, medium grey, massive, no fracturing or foliation, few <3cm qtz-feldspar veins @ 350° rare <3cm qtz veins @ 060°.                                          |

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| 22-May-08 | AR, KS, LR | 2.7 km N of dam                      | OC14  | N/T     | 2d, 5f | 5417949 | 443266 | 53 - 60m  | Fragmental - 20-30% clasts (variable 0 - 50%), containing metagreywacke, proceeding N find increasing aplitic dikes, pink, 2-5cm sigmoidal and elongated clasts. |
| 22-May-08 | AR, KS     | 1.5 km down SE road @ 5.1km S of dam | OC99  | H098083 | 5c     | 5413803 | 441589 | 65m x 25m | Monzogranite - medium-grained, grey to pale green, massive, monzogranite with aplite dikes, Kspar-Qtz Pegmatite veins and rare quartz veins/pods.                |
| 22-May-08 | AR, KS     | 1.5 km down SE road @ 5.1km S of dam | OC99  | H098084 | 5f     | 5413803 | 441589 | 65m x 25m | 0.8m aplite dike @ 024°/V                                                                                                                                        |
| 22-May-08 | AR, KS     | 1.5 km down SE road @ 5.1km S of dam | OC99  | H098085 | 5e     | 5413803 | 441589 | 65m x 25m | 5-8cm Kspar-Qtz Pegmatite veins @ 063°/V                                                                                                                         |
| 22-May-08 | AR, KS     | 1.5 km down SE road @ 5.1km S of dam | OC99  | H098086 | QV     | 5413803 | 441589 | 65m x 25m | Rare quartz veins/pods @ 030°/V.                                                                                                                                 |
| 22-May-08 | AR, KS     | 50m west along road                  |       | N/T     | 5c     |         |        | 40m x 8m  | Monzogranite - flat outcrop similar to OC113                                                                                                                     |
| 23-May-08 | AR, KS, LR | 2.7 km N of dam                      | OC14  | H098011 | 2b, 1a | 5417949 | 443266 | 60 - 63m  | Shear zone - 3m wide, >50-70% basalt - gabbro fragments in metasediments.                                                                                        |
| 24-May-08 | AR, KS     | 150m up quad road                    | B10   | H098099 | 2b     | 5415351 | 441979 | 20lb      | Altered metasediment: heavily rusted and oxidized shell, fuchsite clots 1-2mm, chloritoid + silicic alteration                                                   |
| 24-May-08 | AR, KS     | 183m SW down quad road               | B11   | H098112 | 2b     | 5415929 | 442660 | 70kg      | Altered sediments: highly oxidized surface, fine grained, translucent greenish-grey, silic, low mafics (<1%), another similar boulder buried in road             |
| 24-May-08 | AR, KS     | 200m up quad road beside             | OC118 | H098098 | 5c     | 5415386 | 442010 | 5x2m      | Massive monzogranite: med grained, pinkish grey, massive, qtz vein @ 020° 3cm wide, wk chl/bio alt of mafics                                                     |
| 24-May-08 | AR, KS     | NW up hydro line +300m               | OC119 | H098100 | 5c     | 5415400 | 441740 | 10x20m    | Massive monzogranite: med grained, pinkish grey, massive with large white sugary qtz "boulder", mafics alt to chl/bio                                            |
| 24-May-08 | AR, KS     | NW up hydro line +300m               | OC119 | H098101 | QV     | 5415400 | 441740 | 10x20m    | Sample of large white sugary qtz "boulder" from OC 119                                                                                                           |

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| 24-May-08 | AR, KS | 60m SE down hydro line     | OC120 | H098102 | 5c | 5415129 | 441882 | 10x20m         | Massive monzogranite: med grained, pinkish grey, massive with 0.5m qtz vein @ 278° and Aplite dike                                        |
| 24-May-08 | AR, KS | 60m SE down hydro line     | OC120 | H098103 | 5f | 5415129 | 441882 | 10x20m         |                                                                                                                                           |
| 24-May-08 | AR, KS | 60m SE down hydro line     | OC120 | H098104 | QV | 5415129 | 441882 | 10x20m         | 0.5m qtz vein @ 278° in OC120                                                                                                             |
| 24-May-08 | AR, KS | 0.85km W on camp rd Dam    | OC121 | H098105 | 2c | 5416075 | 443107 |                | Meta-greywacke: fine-med grained, med grey, qtz clasts, up to 20% fine-grained biotite, trace py, wk bedding @ 268/70°NE                  |
| 24-May-08 | AR, KS | 1.1km W camp rd            | OC122 | H098106 | 2b | 5416043 | 443001 |                | Meta-arenite: fine grained, lt grey, very clean <1% mafics, frac @ 008° bedding @ 282°/v with sugary white qtz pod 10x5 cm                |
| 24-May-08 | AR, KS | 1.1km W camp rd            | OC122 | H098107 | QV | 5416043 | 443001 |                | Sample of sugary white qtz pod (10x5 cm) from OC122                                                                                       |
| 24-May-08 | AR, KS | 1.2km W camp rd            | OC123 | N/T     | 2a | 5416026 | 442811 | 60x9 ridge     | Meta-arenite: fine grained, lt grey, very clean <1% mafics, frac @ 008°, bedding @ 278°/v, 10cm chloritic basalt dike parallel to fract   |
| 24-May-08 | AR, KS | 1.4km W camp rd            | OC124 | H098108 | 3b | 5416103 | 442606 | 8x3x2          | Meta-gabbro: fine-med grained, black, highly strained + sheared, elongated plag grains, strong foliation @ 068/74°SE                      |
| 24-May-08 | AR, KS | 1.5km W camp rd            | OC125 | H098109 | 2c | 5416106 | 442557 | 35x4m          | Foliated Meta-greywacke: fine grained, black, mafic, bedding+foliation @ 284/v                                                            |
| 24-May-08 | AR, KS | S Across road from OC125   | OC126 | N/T     | 2c | 5416106 | 442557 | 2x1            | Foliated Meta-greywacke: fine grained, black, mafic, bedding+foliation @ 284/v, aplitic dike with two 1cm qtz veins                       |
| 24-May-08 | AR, KS | 80m SW down quad road      | OC127 | H098110 | 2c | 5416011 | 442618 | 6x1.5          | Foliated Meta-greywacke: fine grained, black, mafic, bedding+foliation @ 284/v                                                            |
| 24-May-08 | AR, KS | 150-180m SW down quad road | OC128 | H098111 | 1b | 5415937 | 442647 | Two 1x4m       | Pillowed metabasalt: fine grained, dark grey, strained pillows + massive, minor chl alt, qtz+carb veinlets (1-2mm), foliation/frac @ 284° |
| 24-May-08 | AR, KS | 240m SW down quad road     | OC129 | H098113 | 2c | 5415892 | 442728 | 60m long ridge | Metagreywacke - fine to medium-grained, black, white chert horizons, foliated.                                                            |
| 24-May-08 | AR, KS | 240m SW down quad road     | OC129 | H098114 | 2c | 5415892 | 442728 | 60m long ridge | White chert horizons, foliated in greywacke in OC129                                                                                      |
| 24-May-08 | AR, KS | 240m SW down quad road     | OC129 | H098115 | 5a | 5415892 | 442728 | 60m long ridge | Monzogranite dike: 3m wide, med grained, thermal contact, contains white qtz dikes at contact                                             |
| 24-May-08 | AR, KS | 1.6km W camp rd            | OC130 | N/T     | 2c | 5416084 | 442480 | 5x2m           | Metagreywacke - fine to medium-grained, black, white chert horizons, foliated.                                                            |
| 24-May-08 | AR, KS | 1.7km W camp rd            | OC131 | H098116 | 2c | 5416049 | 442326 | 15x35m         | Metagreywacke - fine to medium-grained, black, white 10-12cm chert horizons, foliated, frac @ 278/v.                                      |

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| 24-May-08 | AR, KS     | 2.0km W camp rd                    | OC132      | H098117 | 6a | 5416106 | 442054 | 8x2                    | Qtz-plag phyric Felsic Dike: fine-med grained, lt grey, massive to wk foliation @ 005°, qtz-plag phyric (>10%), siliceous, prominent sericite on frac planes       |
| 24-May-08 | AR, KS     | 2.2km W camp rd @ small brook      | OC133      | H098118 | 5d | 5416155 | 441907 | 6x1.5m                 | Foliated monzogranite: med-coarse grained, med grey+pink, 10% hornblende-bio-chl                                                                                   |
| 24-May-08 | AR, KS     | 2.2km W camp rd @ small brook      | OC133      | H098119 | 7  | 5416155 | 441907 | 6x1.5m                 | 1m wide massive basalt dike, mod fol @ 290°, frac @ 020/80°E.                                                                                                      |
| 24-May-08 | AR, KS     | 2.2km W camp rd @ small brook      | OC133      | H098120 | 6a | 5416155 | 441907 | 6x1.5m                 | Felsic dikes 30m away, felsic dikes like OC132, are 30cm-1m wide                                                                                                   |
| 24-May-08 | AR, KS     | 2.2km W camp rd @ small brook      | OC133      | H098121 | 7  | 5416155 | 441907 | 6x1.5m                 | Basalt dikes, 30m away, are mafic and massive and 30cm-1m wide                                                                                                     |
| 24-May-08 | AR, KS     | Up hydro line going W camp rd      | OC134      | H098122 | 1a | 5416810 | 441125 | >400m along power line | Metabasalt @ 180m up from road: very fine-fine grained, black, minor rusty weathering to strong rusty oxidation, trace py.                                         |
| 24-May-08 | AR, KS     | Up hydro line going W camp rd      | OC134      | H098123 | QV | 5416810 | 441125 | >400m along power line | Large qtz vein >60cm, trending 285°/v showing hematitic staining.                                                                                                  |
| 24-May-08 | AR, KS     | Up hydro line going W camp rd      | OC134      | H098124 | 1a | 5416810 | 441125 | >400m along power line | Metabasalt - 2m wide oxidized basalt pod, silicic, trace po/py, chl, calcite veining.                                                                              |
| 24-May-08 | AR, KS     | Up hydro line going W              | OC134      | H098125 | 1a | 5416810 | 441125 | >400m along            | 225m up hydro line: Metabasalt - 2m wide oxidized basalt pod, silicic, trace po/py, chl, calcite veining.                                                          |
| 24-May-08 | AR, KS     | Up hydro line going W camp rd      | OC134      | H098126 | 6a | 5416810 | 441125 | >400m along power line | 325m up hydro line: Felsic dike - fine grained, lt grey, 1m wide, 5% qtz-plag phyric                                                                               |
| 24-May-08 | AR, KS, LR | 2.7 km N of dam                    | OC14       | H098012 | 5b | 5417949 | 443266 | 63 - 90m               | Syenogranite - medium grained, pink, crystalline, 30% qtz, 30% plag, 38% Kspar, 2% amphibole, weak epidotization, 2% aplitic dikes, trace qtz veinlets under 1 cm. |
| 25-May-08 | AR, KS, LR | 2.7 km N of dam                    | OC14       | H098013 | 5f | 5417949 | 443266 | 90 - 91m               | >50% Aplite dikes with 1% py.                                                                                                                                      |
| 26-May-08 | AR, KS, LR | 2.7 km N of dam                    | OC14       | N/T     | 5b | 5417949 | 443266 | 91 - 140m              | Syenogranite - medium grained, pink, crystalline, 30% qtz, 30% plag, 38% Kspar, 2% amphibole, weak epidotization, 2% aplitic dikes, trace qtz veinlets under 1 cm. |
| 29-May-08 | AR, LR     | 63 m on dirt rd @ 3.5 km NW of dam | B12        | H098130 | 1a | 5416852 | 440943 | 35kg                   | Sulfide bearing basalt - fine grained, dark green, chl, foliated, with >5% py stringers <0.5cm.                                                                    |
| 29-May-08 | AR, LR     | 5.9 km NW of dam                   | Core Shack | N/T     |    | 5419085 | 440840 |                        | Burditt Volunteer Fire Department / RRR Drill Core Shack                                                                                                           |



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| 29-May-08 | AR, LR     | 60 m down dirt road @ 3.5 km NW of dam | OC135                | H098127 | 3a | 5416852 | 440943 | 45m x 4m x 70m? | Gabbro - medium to coarse grained, grey, massive, equigranular, fractures with epi-hem-chl alteration, + 1% py in fractures                                                  |
| 29-May-08 | AR, LR     | 61 m down dirt road @                  | OC135                | H098128 | 3b | 5416852 | 440943 | 45m x 4m x 70m? | Fracture zone - in gabbro with late calcite fill                                                                                                                             |
| 29-May-08 | AR, LR     | 62 m down dirt road @ 3.5 km NW of dam | OC135                | H098129 | 2b | 5416852 | 440943 | 45m x 4m x 70m? | Meta-Arkose - fine grained, grey, massive (cooked?), arkose +/- 5% clast/fragments >10cm.                                                                                    |
| 29-May-08 | AR, LR     | 4.4 km NW of dam                       | OC136                | H098131 | 1a | 5417675 | 441031 | 40m x 25m       | Mafic Fragmental - fine grained, dark grey-green, brecciated mafic, with 10-30% angular fragments of mafic and metasedimentary rock.                                         |
| 30-May-08 | AR         | 4.6km N of dam                         | B13                  | H098139 | 4a | 5419571 | 443958 |                 | Boulder(rusty) : fine -medium grained, light grey, spotted, altered, Diorite? With weak silica alteration, sulfides???(rusty?)                                               |
| 30-May-08 | AR, KS, LR | 6.8km N of dam                         | B3                   | H098020 | 2a | 5421554 | 444882 | 2m x 1.5m       | Angular rusty boulder, fine to medium grained, grey, most likely arenite with moderate silica-ankerite alteration, + trace to 1% py. At S edge of OC26.                      |
| 30-May-08 | AR, LR     | 5.8km N of dam                         | OC149                | N/T     | 5a | 5420642 | 444494 | 40m x 2-20m     | Monzogranite - medium-grained, pink, massive, monzogranite with little alteration and trace xenolith. Minor gravel pit 8m x 30m x 3m.                                        |
| 30-May-08 | AR, KS, LR | 5.7km N of dam                         | OC19                 | N/T     | 5a | 5420533 | 444469 | 50m x 30m       | Monzogranite - medium to coarse grained, pink, massive, weak hematization, rare basaltic, <1% angular to subangular xenoliths.                                               |
| 30-May-08 | AR, KS, LR | 5.9km N of dam by 5km sign             | OC20                 | N/T     | 5a | 5420692 | 444490 | 60m x 5m        | Monzogranite - medium to coarse grained, pink, massive, weak hematization, rare basaltic, trace angular to subangular xenoliths.                                             |
| 30-May-08 | AR, KS, LR | 6.0km N of dam                         | OC21 and Quarry site | N/T     | 5a | 5420822 | 444527 | 25m x 20m x 4m  | Monzogranite - medium to coarse grained, pink, massive, weak hematization, rare basaltic, <1% angular to subangular xenoliths. Note: Grown in road on N side of quarry site. |
| 30-May-08 | AR, KS, LR | 6.1km N of dam                         | OC22                 | H098017 | 5a | 5420988 | 444598 | 40m x 25m       | Monzogranite - medium to coarse grained, pink, massive, 8-10% biot, least altered.                                                                                           |
| 30-May-08 | AR, KS, LR | 6.3km N of dam                         | OC23                 | N/T     | 5a | 5421123 | 444688 | 35m x 40m       | Monzogranite - medium to coarse grained, pink, massive, 8-10% biot, no alteration, qtz vein - grey, 2cm @ 038, 50m break in outcrop at 40m                                   |
| 30-May-08 | AR, KS, LR | 6.3km N of dam                         | OC23                 | N/T     | 5a | 5421123 | 444688 | 50m x 40m       | Monzogranite - medium to coarse grained, pink, massive, 8-10% biot, no alteration, qtz vein - grey, 2cm @ 200.                                                               |
| 30-May-08 | AR, KS, LR | 6.4km N of dam                         | OC24                 | N/T     | 5a | 5421216 | 444810 | 120m x 20m      | Monzogranite - medium to coarse grained, pink, massive, trace angular to subangular basaltic xenoliths, qtz vein, 2cm wide at 210.                                           |
| 30-May-08 | AR, KS, LR | 6.5km N of dam                         | OC25                 | H098018 | 5f | 5421309 | 444816 | 15cm            | Aplite dike, 15cm wide, on west side of road                                                                                                                                 |
| 30-May-08 | AR, KS, LR | 6.5km N of dam                         | OC25                 | H098019 | 5f | 5421309 | 444816 | 8m wide         | Aplite dike, 8m wide, on east side of road, NW trending structure?                                                                                                           |
| 30-May-08 | AR, KS, LR | 6.5km N of dam                         | OC25                 | N/T     | 5a | 5421309 | 444816 | 30m x 10m       | Monzogranite - medium to coarse grained, pink, massive, 20% aplite dikes, 10-30cm wide, @ 335, trace angular to subangular basaltic xenoliths.                               |

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| 30-May-08 | AR, KS, LR | 6.8km N of dam               | OC26            | N/T     | 5a     | 5421566 | 444907 | 80m x 60m     | Monzogranite - medium to coarse grained, pink, massive to weakly foliated, mafic mineral lineation @ 302, weakly to moderately developed, weakly hematitic, 7-10% mafics, biot moderately altered to epi/chl.                      |
| 30-May-08 | AR, KS, LR | 6.8km N of dam               | OC26            | N/T     | 5a     | 5421566 | 444907 | at 25m to 30m | Major faulting at 346/V and another at 050(later event).                                                                                                                                                                           |
| 30-May-08 | AR, KS, LR | 6.8km N of dam               | OC26            | N/T     | 5f     | 5421566 | 444907 | at 30m to 60m | 20% aplitic dikes, diffusive.                                                                                                                                                                                                      |
| 30-May-08 | AR, KS, LR | 6.9km N of dam               | OC27            | H098021 | 5a     | 5421686 | 444975 | 25m x 6m      | Monzogranite - structural zone with 20% aplitic dikes running @ 290.                                                                                                                                                               |
| 30-May-08 | AR, KS, LR | 7.0km N of dam               | OC27            | H098202 | 2d, 5e | 5421686 | 444975 | 30m x 6m      | Fault gouge - sedimentary package of fragmental, cherty horizons and clay unit. Intercalated cherty sandstone and arenite with bedding at 300. Felsic dike??? 30m break follows                                                    |
| 30-May-08 | AR, KS, LR | 7.1km N of dam               | OC27            | H098203 | 2b     | 5421686 | 444975 | 17m x 15m     | Meta-Arkose - medium grained, grey, well bedded @300/72N, qtz/felds dominated, under 5% mafics, pegmatitic dike, 30cm wide, @ 300 with several extensional qtz veins at 050/70E.                                                   |
| 30-May-08 | AR, KS, LR | 7.1km N of dam               | OC27            | H098204 | 3a     | 5421686 | 444975 | 17m x 15m     | Gabbro dike - fine to med. Grained, green chloritic dikes (<2m)                                                                                                                                                                    |
| 30-May-08 | AR, KS, LR | 7.0km N of dam               | OC27            | N/T     | 2b     | 5421686 | 444975 | 42m x 15m     | Meta-Arkose - medium grained, grey, well bedded @300/72N, qtz/felds dominated, under 5% mafics, qtz vein, colourless to milky @ 016/V with small offsets. 25m break follows.                                                       |
| 31-May-08 | AR, LR     | 3.9km N of dam               | B14             | H098137 | 2b     | 5419151 | 443486 | 300kg         | Bedded Meta-Arkose - fine-grained, tan, bedded, weak to moderate hematitic staining, two 1cm wide light grey qtz veins subparallel to bedding.                                                                                     |
| 31-May-08 | AR, LR     | 3.7km N of dam by skidder rd | OC140           | H098135 | 5b     | 5418950 | 443342 | 90m x 8m      | Syenogranite - medium to coarse grained, pink, massive, equigranular, 40% Kspar, 25% qtz, 20% plag, 10% hbl, up to 5% bio                                                                                                          |
| 31-May-08 | AR, LR     | 3.8km N of dam; 8km sign     | OC141           | H098136 | 5b     | 5419062 | 443436 | 10m x 17m     | Sheared syenogranite - medium to coarse grained, yellow, massive, with limonitic staining. Shear zone is 12m wide @ 344° in contact with 5m of Monzogranite - medium-grained, pink, massive, little alteration.                    |
| 31-May-08 | AR, LR     | 3.8km N of dam; 8km sign     | OC141           | N/T     | 5b     | 5419062 | 443436 | 60m x 60m     | Continuation of Sheared syenogranite 2m wide, in contact with monzogranite 10m to 18m wide. Contact @ 008°. West side of road is coarse syenogranite similar to OC140, 40m x 30m                                                   |
| 31-May-08 | AR, LR     | 3.9km N of dam               | OC142           | N/T     | 5b     | 5419142 | 443514 | 70m x 15m     | Coarse Syenogranite - similar to OC140, no shearing, 50m N of OC141.                                                                                                                                                               |
| 31-May-08 | AR, LR     | 4.0km N of dam               | OC143           | H098138 | 5a     | 5419164 | 443608 | 40m x 30m     | Monzogranite - medium grained, pink, massive, 50% plag, 50% Kspar, 20% qtz, 10-15% hbl/chl.                                                                                                                                        |
| 31-May-08 | AR, LR     | 4.0km N of dam               | OC143 (W. side) | N/T     | 5b     | 5419164 | 443608 | 25m x 10m     | Sheared syenogranite - medium to coarse grained, yellow, massive, with limonitic staining. Shear zone is 1m wide @ 040°.                                                                                                           |
| 31-May-08 | AR, LR     | 4.0km - 4.5km N of dam       | OC144           | N/T     | 5a     | 5419184 | 443666 | 400m x 50m    | Monzogranite - medium-grained, pink, massive, with weak hematitic staining and trace subangular basaltic xenoliths. Discontinuous between 4.2-4.3km. At 4.0km there is an old road @225° with 1m wide creek flowing down the road. |

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| 31-May-08 | AR, LR | 4.8km N of dam                                                               | OC146                | N/T     | 5a | 5419673 | 444072 | 150m x 75m     | Monzogranite - medium grained, pink, massive, with trace subangular basaltic xenoliths, weak hematitic staining throughout with moderate limonitic staining under stream flowing N in ditch. |
| 31-May-08 | AR, LR | 5.0km N of dam                                                               | OC147                | N/T     | 5a | 5419940 | 444201 | 120m x 50m     | Monzogranite - medium-grained, pink, massive, monzogranite with little alteration and trace xenolith. Minor gravel extraction and small quarry (15m x 5m x 5m)                               |
| 31-May-08 | AR, LR | 5.3km N of dam                                                               | OC148                | H098140 | 5a | 5420193 | 444325 | 140m x 30m     | Monzogranite - medium-grained, pink, massive, monzogranite with little alteration and trace xenoliths.                                                                                       |
| 31-May-08 | AR, LR | 5.5km N of dam                                                               | Quarry               | N/T     | 5a | 5420318 | 444392 | 30m x 25m x 6m | Monzogranite - medium-grained, pink, massive, monzogranite with little alteration and trace xenolith. Minor gravel extraction and small quarry (15m x 5m x 5m)                               |
| 05-Jun-08 | KS, LR | 1600m S - Clearwater Rd @ 105° (590m E of Off Lake)                          | Clearwater Lake Road | N/T     |    | 5417660 | 441033 |                | Location of Previous Sample H098131                                                                                                                                                          |
| 05-Jun-08 | KS, LR | 1600m S - Clearwater Rd @ 105° (at 150m E)                                   | OC175                | H098170 | 1a | 5417648 | 441182 | 5m x 2m        | Basalt - fine grained, black, massive, trace py, at top of ridge, drops off towards cabins and lake approximately 100m away.                                                                 |
| 07-Jun-08 | KS, LR | 2000m S on Clearwater road, trending @ 285° @ 275m E of Clearwater Lake road | OC176                | H098171 | 1a | 5417201 | 441330 | 2x15m ridge    | Massive meta-basalt: fine grained, dark grey, massive, blocky fracturing pattern, trace py, hematitic staining on fractures, minor intermediate composition dikes                            |
| 07-Jun-08 | KS, LR | 2000m S on Clearwater road, trending @ 285° @ 351m E of Clearwater Lake road | OC177                | H098172 | 1a | 5417173 | 441420 | 70x5m ridge    | Meta-basalt: dark grey, fine grained, massive, trace py, +/- plag phenocrysts, calcite veinlets, exposure intermittent on ridge                                                              |

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| 07-Jun-08 | KS, LR | 300 m due south of endpoint of 2000m traverse (E of Clearwater Lake Road)           | OC178 | H098173 | 2c | 5416830 | 441870  | 25x7m ridge  | Meta-greywacke: med-dark grey, fine grained, bedded @ 266/60°S, compositional layering                                            |
| 07-Jun-08 | KS, LR | 2400m S on Clearwater road, trending @ 105°, @ 190m (moving W from Clearwater Lake) | OC179 | H098174 | 1a | 5416756 | 441640  | 50x10m cliff | Meta-basalt: med grey, very fine grained, massive, siliceous bands, possible faint lineation @ 100/64°N, minor hematitic staining |
| 07-Jun-08 | KS, LR | 2400m S on Clearwater road, trending @ 105°, @ m (moving W from Clearwater Lake)    | OC180 | H098175 | 1a | 5416908 | 441285  | 10x5m        | Meta-basalt: black, very fine grained, foliation(?) @ 090°, tracy py, massive                                                     |
| 07-Jun-08 | KS, LR | 2400m S on Clearwater road, trending @ 105°, @ m (moving W from Clearwater Lake)    | OC181 | N/T     | 1a | 5416938 | 4412227 | 30x30m       | Meta-basalt: black, very fine grained, tracy py, massive, faulting @ 360/60°W, 270/v°                                             |

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| 07-Jun-08 | KS, LR | 2400m S on Clearwater road, trending @ 105°, @ m (moving W from Clearwater Lake)          | OC182 | N/T     | 1a | 5416934 | 441189 | Ridge across high-voltage power line | Meta-basalt: black, very fine-grained, minor rusty weathering (sampled by Karlie and Allen May 23/08)                                                                                                                                                                                                                                                                         |
| 07-Jun-08 | KS, LR | 2400m S on Clearwater road, trending @ 105°, @ 40m W of Clearwater Lake Road              | OC183 | H098176 | 1a | 5417045 | 440919 | 5x8m                                 | Meta-basalt: fine grained, black, massive, 3% py/po/cpy in clots, very magnetic, qtz infilling some fracture planes, hematitic staining                                                                                                                                                                                                                                       |
| 08-Jun-08 | KS, LR | 2800m S traverse on Clearwater Lake Road, trending @ 105° 373 m E of Clearwater Lake Road | OC184 | H098177 | 1a | 5416359 | 441715 | 55m x 15m                            | Foliated Basalt - fine grained, dark grey, foliation @ 272°/V, qtz vn, white, 3cm wide, trending @ 035°, qtz vn, grey, 7cm wide, trending @ 270°/V, spotty epidotization with localized strong hematization at S end of outcrop. Felsic dike, likely the foliated monzogranite found at the following outcrop, medium grained, light pink, 20cm wide with qtz bleb within it. |
| 08-Jun-08 | KS, LR | 2800m S traverse on Clearwater Lake Road, trending @ 105° 427 m E of Clearwater Lake Road | OC185 | H098178 | 5d | 5416352 | 441769 | 15m x 8m                             | Foliated Monzogranite - medium to coarse grained, light grey, foliated @ 270°/V, plag>qtz>Kspar>mafics including biot>hbl, mafics aligned easily showing foliation, epidote as blebs, and as fracture filling, qtz vn, 1cm wide, white, trending @ 270°/V, following foliation.                                                                                               |

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| 08-Jun-08 | KS, LR | 2800m S traverse on Clearwater Lake Road, trending @ 105° 449 m E of Clearwater Lake Road | OC186  | N/T     | 5d | 5416342 | 441791 | 8m x 5m                            | Foliated Monzogranite - medium to coarse grained, light grey, foliated @ 270°.                                                                                                                                                                                 |
| 08-Jun-08 | KS, LR | 10m N along small lake shore                                                              | OC187  | H098179 | QV | 5416381 | 441811 | Several boulders between 30cm & 1m | Qtz Boulders - coarse grained, white, massive qtz boulders with localized hematitic staining and trace sulphides, in sharp contact with monzogranite.                                                                                                          |
| 08-Jun-08 | KS, LR | 67m N along small lake shore                                                              | OC188  | H098180 | 3b | 5416437 | 441790 | Edge of 50m+ ridge                 | Sheared gabbro - fine to medium grained, dark greenish grey, foliated @ 153o/74oE, moderate chlorite alteration, splays off easily, localized hematitic staining, micaceous, 50/50 plag & mafics giving black & white layered appearance on weathered surface. |
| 08-Jun-08 | KS, LR | N of 3200m traverse                                                                       | OC189  | H098181 | 5d | 5416197 | 441019 | 50m+ ridge, 1.5m face              | Foliated Monzogranite - medium grained, light grey, foliated, unable to attained foliation due to moss and tree coverage on face, qtz vn on splayed block, 3cm wide, white/grey/light pink.                                                                    |
| 14-Jun-08 | KS, LR | 10 m N on D800 road                                                                       | OC189B | N/T     | 2c | 5416151 | 442557 | 1.5 x 2                            | Meta-greywacke: fine grained, black, bedded @ 300°, minor folding, qtz veinlets, siliceous layers (chert beds?) which follow bedding                                                                                                                           |
| 14-Jun-08 | KS, LR | 50m N on D800 road                                                                        | OC190  | H098182 | 2c | 5416221 | 442566 | 1 x 4m                             | Meta-greywacke: fine grained, black, bedded @ 290°, minor folding, qtz veinlets, siliceous layers (chert beds?) which follow bedding, trace py                                                                                                                 |
| 14-Jun-08 | KS, LR | 110m N on D800 road                                                                       | OC191  | N/T     | 2c | 5416290 | 442544 | 10 x 5                             | Meta-greywacke: fine grained, black, bedded @ 300°, qtz veinlets                                                                                                                                                                                               |
| 14-Jun-08 | KS, LR | 127m N on D800 road                                                                       | OC192  | N/T     | 2c | 5416318 | 442557 | 4 x 1.5                            | Meta-greywacke: fine grained, black, bedded @ 300°, qtz veinlets                                                                                                                                                                                               |
| 14-Jun-08 | KS, LR | 137m N on D800 road                                                                       | OC193  | H098183 | 6a | 5416344 | 442557 | 3 x 3                              | Felsic dikes are lt pinkish, coarse grained, qtz eyes, minor bio, hematitic staining, trend 310°                                                                                                                                                               |
| 14-Jun-08 | KS, LR | 299m N on D800 road                                                                       | OC194  | H098184 | 2c | 5416554 | 442555 | two 1x1m                           | Meta-greywacke: fine grained, black, bedded @ 300°, qtz veinlets and pods up to 1cm                                                                                                                                                                            |
| 14-Jun-08 | KS, LR | On W edge of ridge                                                                        | OC195  | H098185 | 2c | 5416416 | 442261 | 1 x 2                              | Meta-greywacke- fine gr, black, bedded @ 290°, qtz veinlets.                                                                                                                                                                                                   |
| 14-Jun-08 | KS, LR | On W edge of ridge                                                                        | OC195  | H098186 | 6a | 5416416 | 442261 | 1 x 2                              | Felsic dikes are lt-med grey, coarse grained, qtz eyes, massive                                                                                                                                                                                                |
| 14-Jun-08 | KS, LR | 200m S of OC195                                                                           | OC196  | H098187 | 1a | 5416261 | 442326 | 10 x 15                            | Meta-basalt + Felsic dikes: Basalt - epidote pods, trace py, black, fine grained, fol @ 290°.                                                                                                                                                                  |
| 14-Jun-08 | KS, LR | 200m S of OC195                                                                           | OC196  | H098188 | 6a | 5416261 | 442326 | 10 x 15                            | Felsic dike: lt grey, massive, coarse grained, qtz eyes, 15cm-1m in size                                                                                                                                                                                       |
| 14-Jun-08 | LR     | Near D800 Road                                                                            | OC197  | H098189 | 2c | 5416158 | 442456 | 50m x 30m                          | Metagreywacke - fine grained, black, bedded @ 295°/V, trace qtz stringers, highly lichen covered.                                                                                                                                                              |

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| 14-Jun-08 | AR     | East of Clearwater Road | OC198 | H098190 | 1a | 5416279 | 441990 | 3m x 2m              | Altered Basalt Flow - large boulder that may be outcrop (subcrop) of fine-grained, black, massive basalt with 1cm bands of weak silica alteration (<5%) and <1% pyrite but locally upto 3%.                                               |
| 14-Jun-08 | AR     | East of Clearwater Road | OC199 | H098191 | 1a | 5416282 | 442015 | 30m x 12m            | Basalt Flow - fine to med-grained, greenish-black, weakly chloritic, foliated (276°/vertical) basalt with <1cm fractures filled with quartz-calcite that parallels foliation. Located sample 06951 by WWR (Willis) of 2 kg quartz cobble. |
| 14-Jun-08 | AR     | East of Clearwater Road | OC200 | H098192 | 3b | 5416318 | 442046 | 50m x 20m x 8m       | Altered Gabbro - fine to med-grained, black to greenish, weakly foliated (290°) gabbro with weak to moderate to strong calcite-chlorite +/- silica alteration.                                                                            |
| 14-Jun-08 | AR     | East of Clearwater Road | OC201 | H098193 | 6b | 5416313 | 442075 | 20m x 6m             | Altered Felsic Dike : fine-grained, grey-black-green, foliated (110°/80°NE), mosaic of siliceous rock with fine silica-calcite alteration plus 2-3% fine pyrite.                                                                          |
| 14-Jun-08 | AR     | East of Clearwater Road | OC202 | H098194 | 1a | 5416326 | 442111 | 30m x 45m            | Altered Basalt : fine grained, dark green-black, weak chlorite +/- silicate altered, basalt flow(massive), with 2% qtz veinlets(<1cm), @130°/v, subparallel to very weak foliation (chlorite altered, shearing?) , plus trace 1% pyrite   |
| 14-Jun-08 | AR     | East of Clearwater Road | OC203 | H098195 | 2c | 5416326 | 442152 |                      | Chlorite-grey wacke : east side of OC202, fine grained, strongly chloritized, + foliated/ crenulated, metawacke with weak-mod-chlorite-calcite alteration=>crenulations(130o/72oN)                                                        |
| 14-Jun-08 | AR     | East of Clearwater Road | OC204 | H098196 | 1a | 5416242 | 442126 | 25m x 3m(v)          | Basalt Flow - fine grained, black, massive flow with trace pyrite + weak fracturing @040°/v, weak magnetic?=>magnetite???                                                                                                                 |
| 14-Jun-08 | KS, AR | East of Clearwater Road | OC205 | N/T     | 1a | 5416165 | 442220 | 5 x 5m               | Meta-basalt: fine grained, black, folded, nose @ 208°, limbs @ 160° + 094°, V-fold in basalt                                                                                                                                              |
| 14-Jun-08 | AR     | East of Clearwater Road | OC206 | H098197 | 4a | 5416197 | 442264 | >30m long x 8m ridge | Altered Diorite? : ridge trending @030o, medium grained, greenish-grey, massive, meta-diorite, hornblende rich(>50%) with remaining plag>>Kspar and 2-3% qtz                                                                              |
| 14-Jun-08 | AR     | East of Clearwater Road | OC207 | H098198 | 1a | 5416214 | 442291 | 10m x 2m x 3m @160°  | Plag Phyric Bst : fine-med grained, grey-dark grey, weakly foliated, basaltic flow with >10%plag phenocrysts(>5cm)=>foliation 110o/v                                                                                                      |
| 14-Jun-08 | AR     | East of Clearwater Road | OC207 | H098199 | 5e | 5416214 | 442291 | 10m x 2m x 3m @160°  | Felsic Dike : injected by 0.7m wide, fine-med grained, light grey, qtzbearing(>5%), trending 110o/v                                                                                                                                       |
| 14-Jun-08 | KS, AR | East of Clearwater Road | OC208 | N/T     | 1a | 5416204 | 442324 | 40m x 4-6m 1-2m      | Plag Phyric basalt : similar to OC207, ledge with section of <2%plag to >10%plag phyric                                                                                                                                                   |
| 14-Jun-08 | KS, AR | East of Clearwater Road | OC209 | H098200 | 3a | 5416156 | 442333 | 4 x 12m              | Gabbro? Greenish black, fine-med grained, foliated @ 102/v°, fspar stringers                                                                                                                                                              |
| 14-Jun-08 | KS, AR | East of Clearwater Road | OC210 | N/T     | 3a | 541606  | 442324 | 2 x 3                | Gabbro? Greenish black, fine-med grained, foliated @ 102/v°, fspar stringers, >70% mafics                                                                                                                                                 |



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| 14-Jun-08 | KS, AR     | East of Clearwater Road                                  | OC211 | H098201 | 1a | 5416061 | 442337 | 10 x 3          | Meta-basalt: black, fine gr, foliated @ 108/v, frac @ 108 ° and 210°                                                                                                                      |
| 15-Jun-08 | KS, LR     | N on dam                                                 | B17   | H098205 | 2c | 5421202 | 444755 | 1.75 x 1.75 x 1 | Greywacke? Rounded but oxidized surface, smells sulphurous when hammered: med grey, med grained, massive-wk foliation, biotite rich, 10-15cm aplitic(?) dike                              |
| 16-Jun-08 | AR, KS, LR | W of Clearwater Lake road, by hydroline                  | B18   | H098212 | QV | 5416455 | 441128 | >5kg            | Qtz boulder: rusty orange, <5% basalt frags, >3-6% py                                                                                                                                     |
| 16-Jun-08 | AR, KS, LR | W of Clearwater Lake road, by hydroline                  | B19   | H098213 | 5a | 5416466 | 441063 | 60kg            | Sheared granite (?): f-mgr, pink to grey to black, mottled with sil. and kspar overprinting, >1% py                                                                                       |
| 16-Jun-08 | AR, KS, LR | W of Clearwater Lake road, by hydroline                  | B20   | H098214 | 6a | 5416485 | 441071 | >200kg          | Felsic dike: f-mgr, grey, massive, 1-2% qtz eyes                                                                                                                                          |
| 16-Jun-08 | AR, KS, LR | W of Clearwater Lake road, by hydroline                  | B21   | H098215 | 6c | 5416496 | 441037 | many 2-5kg      | Altered felsic dike (?): f-medgr, grey-med grey, mosaic of felsic dike with rare qtz eyes, trace-1% py                                                                                    |
| 16-Jun-08 | AR, KS, LR | W of Clearwater Lake road, by hydroline                  | B22   | H098216 | 6a | 5416495 | 440985 | > 1 ton         | Felsic dike: fgr, grey, massive, 1-2% qtz eyes, possible wk sil alt, trace py                                                                                                             |
| 16-Jun-08 | KS, LR     | N of Clearwater Lake Road and Powerline Eastern Junction | OC212 | H098206 | 1a | 5416750 | 441452 | 3m x 3m         | Plag-phyric Basalt - fine grained, black, porphyritic, 20% plag phenocrysts up to 2cm and rounded, weak foliation @ 260°, trace py, separate flows up to 10cm wide devoid of phenocrysts. |

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| 16-Jun-08 | KS, LR | N of Clearwater Lake Road and Powerline Eastern Junction | OC213 | H098207 | 1a | 5416692 | 441552 | 50m long, 30m wide, 30m high ridge | Plag-phyric Basalt - fine grained, black to green, porphyritic, 30% plag phenocrysts up to 2cm and rounded, weak foliation @ 260°, trace py, mineral lineation @ 20/050°.                                         |
| 16-Jun-08 | KS, LR | N of Clearwater Lake Road and Powerline Eastern Junction | OC213 | H098208 | QV | 5416692 | 441552 | 5cm to 25cm wide                   | Qtz vein trending @ 070° and dipping @ 22°E with weak hematitic staining, no rep sample.                                                                                                                          |
| 16-Jun-08 | KS, LR | N of Clearwater Lake Road and Powerline Eastern Junction | OC213 | H098209 | 1a | 5416692 | 441552 | 2cm to 10cm                        | Sheared contact - highly sheared basalt at contact with qtz vn, highly chloritized, 3% py.                                                                                                                        |
| 16-Jun-08 | KS, LR | N of Clearwater Lake Road and Powerline Eastern Junction | OC214 | H098210 | 1a | 5416613 | 441602 | 20m x 30m                          | Crenulated Basalt - fine grained, black, porphyritic, 5% plag phenocrysts up to 2cm and rounded, crenulated, strongly hematized along fracture planes.                                                            |
| 16-Jun-08 | KS, LR | N of Clearwater Lake Road and Powerline Eastern Junction | OC215 | H098211 | 1a | 5416584 | 441538 | 70 x 30m knob                      | Crenulated Basalt: fine grained, greenish black, porphyritic, 5% plag phenocrysts ~1cm strained along 78°, strongly crenulated, noses of folds trend @ 78°, trace sulph (py?), highly chloritized, amphibole rich |
| 16-Jun-08 | KS, LR | N of Clearwater Lake Road and Powerline Eastern Junction | OC216 | N/T     | 1a | 5416478 | 441555 | 60m x 40m                          | Crenulated Basalt - fine grained, black, crenulated, trace plag phenocrysts strained                                                                                                                              |

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| 16-Jun-08 | AR, KS, LR | W of Clearwater Lake road, by hydroline | OC217 | H098217 | 6b | 5416514 | 440950 | 6x22m     | Sheared felsic dike: fgr, light grey, sheared @ 025/v, sil + carb alt,                                                                            |
| 16-Jun-08 | AR, KS, LR | W of Clearwater Lake road, by hydroline | OC217 | H098218 | 6b | 5416514 | 440950 |           | Small shear zone in dike: 10cm @ 170, with 4cm white qtz vein                                                                                     |
| 16-Jun-08 | AR, KS, LR | W of Clearwater Lake road, by hydroline | OC218 | H098219 | 1b | 5416633 | 440933 | 18x5      | Pillow basalt: fgr, dark green-black, frac or fol @ 070/80°, rare <1cm red qtz veins                                                              |
| 16-Jun-08 | AR, KS, LR | W of Clearwater Lake road, by hydroline | OC218 | H098220 | 5a | 5416633 | 440933 | 18x5      | Sheared granite: fgr, grey, sheared, felsic dike/granite?, rare small <1cm qtz veins // to frac/shear                                             |
| 17-Jun-08 | KS, LR, AR | SW shore of Clearwater Lake             | OC219 | H098221 | 2a | 5416308 | 443370 | 100+ x 5m | Meta-arenite: lt grey, cryptocrystalline, bedded @ 318/64 N, minor epidote                                                                        |
| 17-Jun-08 | KS, LR, AR | SW shore of Clearwater Lake             | OC219 | N/T     | 2a | 5416363 | 443285 | 10 x 2m   | Meta-arenite: lt grey, cryptocrystalline, bedded @ 322/66 N, minor epidote                                                                        |
| 17-Jun-08 | KS, LR, AR | SW shore of Clearwater Lake             | OC220 | H098222 | 2c | 5416396 | 443151 | 80 x 20m  | Meta-greywacke: fine-med grained, med grey, bedded @ 298/72 N, biotite-rich pelitic layers & qtz-fspar layers, minor hematitic staining.          |
| 17-Jun-08 | KS, LR, AR | SW shore of Clearwater Lake             | OC220 | H098223 | 5a | 5416396 | 443151 | 80 x 20m  | Monzogranite dikes: coarse grained, light pink, trending @ 280/v, minor hbl and bio, qtz > fspar/kspar > mafics, dikes 10-15cm wide               |
| 17-Jun-08 | KS, LR, AR | SW shore of Clearwater Lake             | OC221 | H098224 | 2c | 5416327 | 443054 | 25 x 10m  | Meta-greywacke: fine-med grained, med grey, bedded @ 318/62 N, biotite-rich pelitic layers & qtz-fspar layers, minor hematitic staining, trace py |

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| 17-Jun-08 | KS, LR, AR | SW shore of Clearwater Lake | OC222 | H098225 | 2c | 5416462 | 443070 | 20 x 3 m, 10m break, +30m ridge | Meta-greywacke: fine-med grained, dark grey, pelitic, bedded @ 310/50 N.                                                                                                           |
| 17-Jun-08 | KS, LR, AR | SW shore of Clearwater Lake | OC222 | H098226 | 2b | 5416462 | 443070 | 20 x 3 m, 10m break, +30m ridge | Meta-arkose: med grey, fine-med grained, bedded @ 310/50 N, bio in more pelitic layers. Outcrop nose shows M-fold, qtz veins 5-10cm on parasitic folds, crenulations, kspar sweats |
| 17-Jun-08 | KS, LR, AR | SW shore of Clearwater Lake | OC223 | H098227 | 2b | 5416185 | 442922 | 30 x 5m                         | Meta-arkose: med grained, med-light grey, poorly bedded, qtz sweats, pyrite (stringers and disseminated)                                                                           |
| 17-Jun-08 | KS, LR, AR | SW shore of Clearwater Lake | OC224 | H098228 | 1a | 5416904 | 442550 | 10 x 4                          | Meta-basalt: fine grained, med greenish-grey, massive, calc-filled fractures @ 340°, carb stringers (up to 10% carb in rock), chl-epi alt, carbonatized                            |
| 17-Jun-08 | KS, LR, AR | SW shore of Clearwater Lake | OC225 | H098229 | 2b | 5416915 | 442531 | 10 x 5                          | Meta-arkose: med grained, med-light grey, bedded @ 300/74 NE, silicified, epidote alt, 1% py                                                                                       |
| 17-Jun-08 | KS, LR, AR | SW shore of Clearwater Lake | OC226 | H098230 | 2c | 5417026 | 442364 | 3 x 3                           | Meta-greywacke: med grained, crystalline, qtz-fspar matrix, pelitic chl-amph clast                                                                                                 |
| 17-Jun-08 | KS, LR, AR | SW shore of Clearwater Lake | OC227 | H098231 | 2c | 5417044 | 442330 | 3 x 3                           | Meta-greywacke: fine-med grained, med grey, wk bedding, 0.5% po, pelitic                                                                                                           |
| 17-Jun-08 | KS, LR, AR | SW shore of Clearwater Lake | OC228 | H098232 | 2c | 5417257 | 442024 | 10 x 12                         | Meta-greywacke/arkose: med grained, grey, poorly bedded, siliceous, kspar sweats, biotite                                                                                          |
| 17-Jun-08 | KS, LR, AR | SW shore of Clearwater Lake | OC228 | H098233 | 7  | 5417257 | 442024 | 10 x 12                         | Mafic dike: fine grained, greenish black, massive, weak chl, basaltic, trends NNW.                                                                                                 |
| 17-Jun-08 | KS, LR, AR | SW shore of Clearwater Lake | OC228 | H098234 | 6a | 5417257 | 442024 | 10 x 12                         | Felsic dike: light grey-pink, med grained, massive, qtz eyes, 1% py                                                                                                                |

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| 17-Jun-08 | KS, LR, AR | SW shore of Clearwater Lake | OC229 | N/T     | 2b | 5417377 | 441949 |                | Meta-arkose: med grained, light grey, bedded @ 304/70 NE, qtz veins 1-2cm @ 000°                               |
| 17-Jun-08 | KS, LR, AR | SW shore of Clearwater Lake | OC230 | H098235 | 2b | 5417511 | 441858 | 10 x 10m point | Meta-arkose: fine-med grained, light grey-pink, poorly bedded, trace py, siliceous                             |
| 17-Jun-08 | KS, LR, AR | SW shore of Clearwater Lake | OC231 | H098236 | 2a | 5417505 | 441753 | 1 x 3m         | Meta-arenite: med grained, very light grey, massive, trace py                                                  |
| 17-Jun-08 | KS, LR, AR | SW shore of Clearwater Lake | OC232 | H098237 | 2b | 5417525 | 441613 | 8 x 3m         | Qtz-kspar Gneiss: med-dark greenish grey, med grained, gneissocity @ 300/70 NE, amphibole, plag porphyroblasts |
| 17-Jun-08 | KS, LR, AR | SW shore of Clearwater Lake | OC232 | H098238 | QV | 5417525 | 441613 | 8 x 3m         | white qtz pods 10-15cm (sweats?)                                                                               |
| 17-Jun-08 | KS, LR, AR | SW shore of Clearwater Lake | OC233 | N/T     | 2b | 5417585 | 441526 |                | Qtz-kspar Gneiss: med-dark greenish grey, med grained, gneissocity @ 300/70 NE, amphibole                      |
| 17-Jun-08 | KS, LR, AR | SW shore of Clearwater Lake | OC234 | H098239 | 2b | 5417510 | 441432 | 1 x 5m         | Meta-arkose: fine-med grained, light grey, bedded, qtz-fspar rich                                              |
| 17-Jun-08 | KS, LR, AR | SW shore of Clearwater Lake | OC235 | H098240 | 6a | 5417608 | 441387 |                | Felsic dike: very fine grained, light grey, massive, <1% qtz eyes, siliceous, trace-1% py                      |
| 17-Jun-08 | KS, LR, AR | SW shore of Clearwater Lake | OC236 | H098241 | 1a | 5417681 | 441280 | 50 x 25m       | Meta-basalt: very fine grained, dark greenish grey, massive (flow)                                             |
| 19-Jun-08 | KS, AR     | SE shore of Clearwater Lake | OC243 | H098246 | 5a | 5416664 | 443147 | 8 x 6m         | Sheared monzogranite: fine grained, med grey-pink, mod shearing @ 318/80 E, qtz>plag>kspar>mafics, minor bio,  |

|           |            |                             |               |         |    |         |        |                        |                                                                                                                                              |
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| 19-Jun-08 | KS, AR     | SE shore of Clearwater Lake | OC243         | H098247 | QV | 5416664 | 443147 | 8 x 6m                 | white massive 1-5cm qtz veins which follow frac/shear                                                                                        |
| 19-Jun-08 | KS, AR     | SE shore of Clearwater Lake | OC244         | H098248 | 5a | 5416753 | 443092 | 30+ x 5m               | Monzogranite: fine grained, pink, massive, no shearing, hematitic staining on frac @ 308/80 E, no qtz veins                                  |
| 19-Jun-08 | KS, AR     | SE shore of Clearwater Lake | OC245         | H098249 | 2b | 5416914 | 442955 | 6 x 4m                 | Meta-arkose: fine-med grained, light grey, massive - poorly bedded @ 318/82 E, biotite clots                                                 |
| 19-Jun-08 | KS, AR     | SE shore of Clearwater Lake | OC246         | H098250 | 2b | 5417296 | 442479 | 15 x 12m               | Meta-arkose: fine grained, light grey, recrystallized, good bedding @ 316/78 E, >10% fine sericite on bedding planes                         |
| 19-Jun-08 | KS, AR     | SE shore of Clearwater Lake | OC247         | H098251 | 2b | 5417490 | 442425 | 12 x 15m               | Meta-arkose: med grained, grey, poor bedding @ 040/v, 5% bio clots, qtz eyes                                                                 |
| 19-Jun-08 | KS, AR     | SE shore of Clearwater Lake | OC248         | H098252 | 2d | 5417519 | 442504 | 4 x 8m                 | Conglomerate - Meta-greywacke contact. Conglomerate: clasts clay rich, elongate 2x5-20cm, bedding @ 320°. Conglomerate on W side of contact  |
| 19-Jun-08 | KS, AR     | SE shore of Clearwater Lake | OC248         | H098253 | 2c | 5417519 | 442504 | 4 x 8m                 | Meta-greywacke: med grained, med grey, bedded @ 320°, bio rich. Contact is sharp, follows bedding.                                           |
| 29-Jun-08 | LR, TN     | N end of hwy615             | B18           | H098336 | 2b | 5420367 | 440983 | 2m x 1m                | Broken Boulder : extremely oxidized, hematization, almnite (sp?)                                                                             |
| 04-Jul-08 | KS, LR, TN | Off Fleming Road            | OC380         | N/T     | 5c | 5414913 | 441308 | 15x15m                 | Monzogranite: knob 20m N of OC87, lt grey-pink, coarse grained, massive, 3% hbl clots, chl/epi alt., strong hematitic staining               |
| 04-Jul-08 | KS, LR, TN | Off Fleming Road            | OC381         | H098392 | 5c | 5415140 | 441227 | 10 x 15m               | Monzogranite: lt grey-pink, med-coarse grained, massive, hbl weakly alt to chl + epi, qtz veins @ 110-120°                                   |
| 05-Jul-08 | KS, LR, TN | N of Fleming road           | magnetic area | N/T     |    | 5415830 | 443380 |                        | highly magnetic, compass didn't work                                                                                                         |
| 05-Jul-08 | KS, LR, TN | W of Fleming Road           | OC382         | H098393 | 2b | 5414531 | 438584 | 10 x 10m               | Arkose: fine-med grained, greenish grey, massive, epidotized, clots + trace of py, HEM                                                       |
| 05-Jul-08 | KS, LR, TN | W of Fleming Road           | OC383         | H098394 | 3a | 5414595 | 438562 | 8m x 1.5m rock surface | Gabbro: fine-med grained, med-dark grey, massive, hbl, chloritized, 3% of py(cpy?), pyrotite(mgn), QV : fractured(stringers), 0.3-1.5cm wide |

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| 05-Jul-08 | KS, LR, TN | W of Fleming Road          | OC384 | H098395 | 3a | 5414670 | 438552 | 90m x 110m ridge    | Gabbro: med-coarse grained, dark grey, massive, hbl, silicified, trace of sulfides, HEM                                                                                                                                                                                                                                        |
| 05-Jul-08 | KS, LR, TN | W of Fleming Road          | OC384 | H098396 | 6a | 5414670 | 438552 | 90m x 110m ridge    | Felsic Dike : fine-me dgrained, lighth grey, massive, trace of qtz eyes, chl,epi                                                                                                                                                                                                                                               |
| 05-Jul-08 | KS, LR, TN | W of Fleming Road          | OC384 | H098397 | 3a | 5414718 | 438586 | 90m x 110m ridge    | Gabbrro to Diorite : med-coarse grained, black, masive, hbl, trace py, plg + qtz(<10%), wk epi, strongly magnetic, more diorite towards to N                                                                                                                                                                                   |
| 05-Jul-08 | KS, LR, TN | W of Fleming Road          | OC384 | H098398 | QV | 5414704 | 438567 | 90m x 110m ridge    | QV : 20cm wide, clear-pink-red, highly HEM, chl, run @050o/v, 15cm wide, clear-white, runs @040o/v                                                                                                                                                                                                                             |
| 05-Jul-08 | KS, LR, TN | W of Fleming Road          | OC384 | H098399 | 5d | 5414727 | 438583 | 90m x 110m ridge    | Monzogranite Dike : med-coarse grained, lightgrey, massive, silicified, opxydized py(red-purple), wk epi, wk foliated, qtz>fsp>bio                                                                                                                                                                                             |
| 05-Jul-08 | KS, LR, TN | N of Fleming road          | OC385 | H098400 | 5d | 5414294 | 438265 | 20m x 10m           | Sheared Monzogranite : fine-med grained, light pink-greenish grey, massive-mod foliation @060o/v, 3-5% py,chl, HEM, whole area is fractured, QV : 360-230o/v, 20cm wide-pinched out, numerous QVs, fractured                                                                                                                   |
| 05-Jul-08 | KS, LR, TN | N of Fleming road          | OC386 | H098401 | 2c | 5415621 | 443217 | 15m x 5m            | greywacke : fine grained, dark grey,bedded @110o/60oS, HEM, chart bed: 30cm wide, white, QV : 15cm wide, parallele to bedding, rich in bio                                                                                                                                                                                     |
| 05-Jul-08 | KS, LR, TN | N of Fleming road          | OC387 | N/T     | 2c | 5415653 | 443258 | 1m x 0.5m rock face | greywacke : same as OC386, bedded @110o/60oS                                                                                                                                                                                                                                                                                   |
| 05-Jul-08 | KS, LR, TN | N of Fleming road          | OC388 | N/T     | 2c | 5415739 | 443307 | 1m x 2m rock face   | greywacke : same as OC386 without chart bed, bedded @110o/v, possibly boulder                                                                                                                                                                                                                                                  |
| 05-Jul-08 | KS, LR, TN | N of Fleming road          | OC389 | H098402 | 2b | 5415818 | 443369 | 1m x 2m             | Arkose?Arenite? : fine-med grained, light grey, massive, trace of py + epi, QV @100o/v, 1cm wide, white                                                                                                                                                                                                                        |
| 06-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC390 | H098403 | 5a | 5422980 | 444000 | 12m x 5m            | Monzogranite - medium grained, pink to light grey, massive, qtz>feld>bio, sheared @060°, 2m wide, weak epi, weak hem along fracture plane                                                                                                                                                                                      |
| 06-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC391 | N/T     | 5a | 5422880 | 444000 | 20m x 10m x 1.5m    | Monzogranite - medium grained, pink to light grey, massive, qtz>feld>bio                                                                                                                                                                                                                                                       |
| 06-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC392 | H098404 | 5a | 5422736 | 443998 | 20m x 15m x 2m      | Monzogranite in contact with light grey granite - Monzogranite - medium grained, pink, massive, trace cubic py up to 3mm, stained purple - Light grey granite - fine to medium grained, light grey, and contains a mineral alignment of mafics. Contact @ 040°/56°E, SW portion of outcrop is pink granite & NE is light grey. |



|           |            |                            |       |         |    |         |        |                   |                                                                                                                                                                                              |
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| 06-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC393 | H098405 | 1a | 5422636 | 443838 | 30m x 20m x 1m-4m | Basalt - fine grained, medium grey, sheared @ 150°/V, 40cm wide, trace fine py, chloritized, qtz vn up to 5cm trending @ 150°/V, white, highly chloritized near qtz vn, and shear is 1m away |
| 06-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC394 | H098406 | 6b | 5422328 | 443912 | 50m x 50m x 4m    | Felsic Dike - medium grained, light grey, massive to sheared @ 300°/80°S, siliceous, qtz vn, 3cm, white @ 330°, trace cubic py, mica-rich, especially near qtz vn                            |
| 06-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC395 | H098407 | 6a | 5422279 | 443982 | 20m x 10m x 2m    | Felsic Dike - medium grained, light grey, massive, trace blue qtz eyes, trace py, qtz vn, white, 1cm wide @ 170°                                                                             |
| 06-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC396 | H098408 | 6a | 5422280 | 443812 | 50m x 20m x 4m    | Felsic Dike - medium grained, medium grey, massive to foliated, trace blue qtz eyes, trace py, west portion strongly fol @ 180°/V & more mica.                                               |
| 06-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC396 | H098409 | 6b | 5422280 | 443812 | 50m x 20m x 4m    | Felsic Dike - medium grained, medium grey, trace blue qtz eyes, trace py, strongly fol @ 180°/V & more mica.                                                                                 |
| 07-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC425 | H098426 | 2a | 5424853 | 444937 | 8 x 2m            | Meta-arenite: white to yellow-orange, fine gr., poor bedding, very micaceous, strong hematitic staining                                                                                      |
| 07-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC411 | H098415 | 3a | 5425844 | 445508 | 12 x 2.5m         | Meta-gabbro: greenish black, coarse gr., massive, hbl>plag, qtz vein @ 010°, up to 3cm, white up to 1%                                                                                       |
| 07-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC412 | H098416 | 1a | 5425774 | 445436 | 5 x 6m            | Meta-basalt: greenish grey, fine gr., massive, white 4cm qtz vein @ 170°, trace disseminated po                                                                                              |
| 07-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC413 | H098417 | 1a | 5425630 | 445390 | 3 x 10m           | Meta-basalt: greenish grey, fine gr., massive, trace disseminated po, fracture planes hematized                                                                                              |
| 07-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC414 | H098418 | 6a | 5425561 | 445337 | 5 x 5m            | Felsic dike: med grey, fine gr., massive, siliceous, 2% qtz eyes, 1% py                                                                                                                      |
| 07-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC415 | N/T     | 6a | 5425527 | 445313 | 3 x 3m            | Felsic dike: med grey, fine gr., massive, siliceous, 2% qtz eyes, qtz vein @ 110°                                                                                                            |
| 07-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC416 | H098419 | 3a | 5425454 | 445336 | 10 x 12m          | Meta-gabbro(?): dark greenish grey, f- med gr., massive, silicic alt., 1% sulph. May be basalt.                                                                                              |
| 07-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC416 | H098420 | 3b | 5425454 | 445336 | 10 x 12m          | Qtz-carb rich block - poss. shear zone? Shows hematitic staining, poss. mafic intrusions                                                                                                     |
| 07-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC417 | H098421 | 2b | 5425435 | 445310 | 10 x 2m           | Meta-arkose: arkose is light grey, fine gr., bedded, pelitic layers.                                                                                                                         |

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| 07-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC417 | H098472 | 2a | 5425435 | 445310 | 10 x 2m  | Chert: light grey, cryptocrystalline, bedded, hematitic staining. Bedding near vertical                                       |
| 07-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC418 | H098423 | 2a | 5425404 | 445296 | 5 x 3m   | Meta-arenite: light grey, v. fine grained, bedded, some hematitic staining, bedding ~NE/v                                     |
| 07-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC419 | H098424 | 2c | 5425258 | 445259 | 15 x 4m  | Meta-greywacke: med grey, fine gr., bedded, trace py, hematitic staining, qtz pods 2-3cm                                      |
| 07-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC420 | H098425 | 1a | 5425185 | 445238 | 15 x 4m  | Meta-basalt: med greenish grey, fine gr., massive, silicified + carbonitized                                                  |
| 07-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC421 | N/T     | 1a | 5425126 | 445186 | 1.5 x 3m | Meta-basalt: med greenish grey, fine gr., massive, silicified + carbonitized, mineral lineation 60→200°, 2-3cm white qtz pods |
| 07-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC422 | N/T     | 1a | 542500  | 445136 | 30 x 8m  | Meta-basalt: med greenish grey, fine gr., massive, silicified + carbonitized, large white qtz veins underwater                |
| 07-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC423 | N/T     | 1a | 5424956 | 445101 | 30 x 8m  | Meta-basalt: med grey, f-med gr., poor shear, hematized, chloritized, heavy qtz veins + pods underwater                       |
| 07-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC424 | N/T     | 1a | 5424903 | 445012 | 20 x 5m  | Meta-basalt: med greenish grey, fine gr., massive, silicified + carbonitized                                                  |
| 07-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC426 | N/T     | 2c | 5424786 | 444913 | 10 x 10m | Meta-greywacke: dk grey, fine gr, poor bedding, bio-rich, mod. Hematization                                                   |
| 07-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC427 | H098427 | 2c | 5424754 | 444936 | 8 x 5m   | Meta-greywacke: greenish-black, f-med gr., poor bedding, trace-1% sulph, strong chloritization, bio-chl rich, friable         |
| 07-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC428 | N/T     | 2b | 5424709 | 444847 | 20 x 10m | Meta-arkose: med grey, fine-v. fine gr., bedded @ 185/70 W, trace po stringers                                                |
| 07-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC429 | H098428 | 1a | 5424673 | 444806 | 8 x 10m  | Meta-basalt? Gabbro?: greenish-grey, med gr., massive, 1% py, silicified                                                      |
| 07-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC430 | H098429 | 2c | 5424539 | 444742 | 5 x 2m   | Meta-greywacke: med-dk grey, fine gr., poor bedding, trace sulph, bio-rich layers                                             |
| 07-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC431 | H098430 | 3b | 5424448 | 444700 | 15 x 10m | Meta-basalt (gabbro?): greenish black, fine gr., massive-sheared, highly chloritized and carbonitized, trace py               |

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| 07-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC431 | H098431 | QV    | 5424448 | 444700 | 15 x 10m         | 2-3cm blue-grey qtz veins @ 195/65 W                                                                                                                                       |
| 07-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC432 | H098432 | 2c    | 5424401 | 444652 | 15 x 8m          | Meta-greywacke: dark greenish grey, fine gr., poor bedding, strong chloritization and silicification, trace py                                                             |
| 07-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC433 | N/T     | 2b    | 5424357 | 444507 | 8 x 10m          | Meta-arkose: light grey, fine-med gr, poor bedding, micaceous (musc + sericite), trace py                                                                                  |
| 07-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC434 | H098433 | 1a    | 5423900 | 444453 | 40 x 5m          | Meta-basalt: med greenish-grey, fine gr., massive, chloritized, hematitic staining                                                                                         |
| 07-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC435 | N/T     | 2b    | 5423951 | 444522 | 8 x 2m           | Meta-arkose: light grey, fine-med gr, poor bedding, micaceous (musc + sericite), trace py                                                                                  |
| 07-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC436 | N/T     | 1b    | 5424184 | 444695 | 20 x 12m         | Pillow basalt: med greenish-grey, fine gr., well-defined pillow basalts, chloritized, hematitic staining                                                                   |
| 07-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC437 | H098434 | 2c    | 5424260 | 444756 | 20 x 3m          | Meta-greywacke: greenish-grey, f-med gr., poor bedding @ 250°, hematitic staining, qtz-spar rich beds, chloritized                                                         |
| 07-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC438 | H098435 | 2b    | 5423879 | 444846 | 30 x 3m          | Meta-arkose: light pinkish-grey, fine gr., poor bedding, qtz veinlets, mafic dike @ 195/70 W                                                                               |
| 07-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC439 | N/T     | 2a    | 5423809 | 444771 | 5 x 2m           | Meta-arenite: light-med grey, v. fine gr., massive, qtz veinlets                                                                                                           |
| 07-Jul-08 | KS, LR, TN | E shore of Clearwater Lake | OC440 | H098436 | 2a,2d | 5423685 | 444665 | 60 x 15m         | Meta-arenite + conglomerate: light grey, v. fine gr., poor bedding +/- rare 1-10 cm felsic + mafic clasts, siliceous, trace-1% py, up to 5cm aplitic dikes @ 205°          |
| 09-Jul-08 | KS & LR    | E shore of Clearwater Lake | OC441 | H098437 | 5b    | 5423597 | 444855 | 4m x 1m x 1m     | Syenogranite - medium grained, light grey to light pink, massive +/- Feld-phyric, Kspar>qtz>bio>musc, aplitic dike trending @ 170o, pink, fine grained, 8 cm wide.         |
| 09-Jul-08 | KS & LR    | E shore of Clearwater Lake | OC442 | N/T     | 5b    | 5423358 | 444954 | 20m x 15m x 1-3m | Porphyritic Syenogranite - medium to coarse grained, pink to light grey, feld-phyric, trace subangular mafic inclusions up to 10cm (underwater)                            |
| 09-Jul-08 | KS & LR    | E shore of Clearwater Lake | OC443 | N/T     | 5b    | 5423194 | 444775 | 15m x 10m x 2m   | Porphyritic Syenogranite - medium to coarse grained, pink to light grey, feld-phyric, 20-30% crystals up to 1cm, trace subangular mafic inclusions up to 10cm (underwater) |
| 09-Jul-08 | KS & LR    | E shore of Clearwater Lake | OC444 | N/T     | 5b    | 5423180 | 444747 | 5m x 7m x 1.5m   | Porphyritic Syenogranite - medium to coarse grained, pink to light grey, feld-phyric, 20-30% crystals up to 1cm, trace subangular mafic inclusions up to 5cm (underwater)  |

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| 09-Jul-08 | KS & LR | E shore of Clearwater Lake | OC445 | N/T     | 5b     | 5423189 | 444692 | 30m x 20m x 1.5m | Porphyritic Syenogranite - coarse grained, pink to light grey, feld-phyric, 10% crystals up to 1cm, moderate epidotization, trace subangular mafic inclusions 20cm x 10cm                      |
| 09-Jul-08 | KS & LR | E shore of Clearwater Lake | OC446 | H098438 | 5b     | 5423047 | 444707 | 20m x 8m x 1.5m  | Porphyritic Syenogranite - coarse grained, pink to light grey, feld-phyric, 30-40% crystals up to 1cm, moderate epidotization, increased hbl 3%, trace subangular mafic inclusions 20cm x 10cm |
| 09-Jul-08 | KS & LR | E shore of Clearwater Lake | OC447 | N/T     | 5b     | 5422991 | 444531 | 10m x 10m        | Porphyritic Syenogranite - coarse grained, pink to light grey, feld-phyric, 10-20%, trace subangular mafic inclusions up to 20cm long                                                          |
| 09-Jul-08 | KS & LR | E shore of Clearwater Lake | OC448 | N/T     | 5b     | 5423140 | 444442 | 30m x 20m x 5m   | Porphyritic Syenogranite - coarse grained, pink to light grey, feld-phyric, 10-15% crystals up to 0.5cm, trace rounded mafic inclusions                                                        |
| 09-Jul-08 | KS & LR | E shore of Clearwater Lake | OC449 | N/T     | 5b     | 5423210 | 444411 | 30m x 20m x 4m   | Porphyritic Syenogranite - coarse grained, pink, feld-phyric, 5-15% crystals 0.5-1.0cm, hematitic staining along fracture planes, no visible clasts                                            |
| 09-Jul-08 | KS & LR | E shore of Clearwater Lake | OC450 | N/T     | 5b     | 5423181 | 444293 | 40m x 30m x 4m   | Porphyritic Syenogranite - coarse grained, pink, feld-phyric, 5-10% crystals up to 0.5cm, trace mafic inclusions 10cm x 10cm, joint set @ 140°                                                 |
| 09-Jul-08 | KS & LR | E shore of Clearwater Lake | OC451 | N/T     | 5b     | 5423140 | 444243 | 40m x 20m x 3m   | Porphyritic Syenogranite - coarse grained, pink, massive to feld-phyric, 0-10% crystals up to 0.5cm, trace mafic inclusions                                                                    |
| 09-Jul-08 | KS & LR | E shore of Clearwater Lake | OC452 | N/T     | 5b     | 5423068 | 444110 | 50m x 20m x 4m   | Porphyritic Syenogranite - coarse grained, pink, massive to feld-phyric, 0-5% crystals up to 0.5cm, trace mafic inclusions                                                                     |
| 09-Jul-08 | KS & LR | E shore of Clearwater Lake | OC453 | N/T     | 5b     | 5423001 | 444008 | 10m x 30m x 1-4m | Porphyritic Syenogranite - medium grained, pink, massive, qtz vn, white to light pink, trending @ 117°N, 2 cm wide, no visible inclusions                                                      |
| 09-Jul-08 | KS & LR | E shore of Clearwater Lake | OC454 | H098439 | 1a, 1b | 5426999 | 446227 | 15m x 5m x 4m    | Basalt - fine grained, dark greenish grey, massive to pillowed, pillows 30cm wide                                                                                                              |
| 09-Jul-08 | KS & LR | E shore of Clearwater Lake | OC454 | H098440 | QV     | 5426999 | 446227 | 15m x 5m x 4m    | Qtz vn, 8 cm wide, light to dark grey, hematitic staining, loose rock found out of place, trace py                                                                                             |
| 09-Jul-08 | KS & LR | E shore of Clearwater Lake | OC455 | H098441 | 1a     | 5426774 | 446213 | 50m x 20m x 2-3m | Basalt - fine to medium grained, dark greenish grey, massive, minor carb & chlorite alteration, trace to 1% py                                                                                 |
| 09-Jul-08 | KS & LR | E shore of Clearwater Lake | OC456 | N/T     | 1a     | 5426634 | 446195 | 80m x 5m x 6m    | Basalt - fine grained, dark greenish grey, massive, trace fine py, increased chloritization                                                                                                    |
| 09-Jul-08 | KS & LR | E shore of Clearwater Lake | OC457 | H098442 | 1a     | 5426458 | 446176 | 40m x 5m x 6m    | Basalt - fine grained, dark grey, massive, white clasts appear when wetted, possible fragmental? Qtz vns, white, up to 3cm wide on blocks in the water                                         |

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| 09-Jul-08 | KS & LR | E shore of Clearwater Lake | OC458   | H098443 | 2b     | 5426429 | 446135 | 50m x 5m x 1-3m          | Arkose - fine grained, light tan to grey, bedded @ 165°/60°W (measurement possibly from blocks), 1 dark grey band, 6cm wide, possibly interbedded greywacke                                                                                                                      |
| 09-Jul-08 | KS & LR | E shore of Clearwater Lake | OC459   | H098444 | 2a     | 5426329 | 446118 | 40m x 5m x 8m            | Arenite - fine grained, light grey, bedded @ 194°/V                                                                                                                                                                                                                              |
| 09-Jul-08 | KS & LR | E shore of Clearwater Lake | OC460   | H098445 | 3a     | 5426270 | 445800 | 120m x >10m              | Hornblende-phyric Gabbro - medium grained, dark grey, hbl-phyric, fracturing @ 025°/V                                                                                                                                                                                            |
| 09-Jul-08 | KS & LR | E shore of Clearwater Lake | OC461   | H098446 | 2b     | 5426025 | 445917 | 25m x 8m peninsula       | Arkose : fine grained, light grey, trace of py, wk foliation @ 042°/80°E, 1cm wide QVs                                                                                                                                                                                           |
| 09-Jul-08 | KS & LR | E shore of Clearwater Lake | OC462   | H098447 | 2a     | 5425782 | 445847 | 3m x 5m tip of peninsula | Arenite : fine grained, light grey, highly silicious, badded @ 040°/v, cross cutting with @060°/v, QV: 052°/v, 1.5cm wide, white                                                                                                                                                 |
| 09-Jul-08 | KS & LR | E shore of Clearwater Lake | OC462   | H098448 | 1c, 1a | 5425782 | 445847 | 3m x 5m tip of peninsula | Pyroclastic Flow : ,afic, fine grained, light-med green(chloritic), with subsections of mafic tuffs + fragmental + pillow basalt, numerous fractured QVs 1-3cm wide, boudinage Mafic Dike : 5-20cm wide, subprallele to bedding of arenite, trace-5% py (euhedral) at chill zone |
| 09-Jul-08 | KS & LR | E shore of Clearwater Lake | OC463   | H098449 | 2b     | 5425672 | 445751 | 5m x 3m rock face        | Arkose : fine-med grained, light grey, massive, trace of py, pooly bedde 067°/V                                                                                                                                                                                                  |
| 09-Jul-08 | KS & LR | E shore of Clearwater Lake | OC464   | N/T     | 2b     | 5425780 | 445880 | 5m x 2m rock face        | Arkose : sediment that is similar to OC463 *private*                                                                                                                                                                                                                             |
| 09-Jul-08 | KS & LR | E shore of Clearwater Lake | OC465   | H098449 | 2b     | 5425672 | 445751 | 5m x 3m rock face        | Arkose : fine-med grained, light grey, massive, trace py, pooly bedded 067°/V                                                                                                                                                                                                    |
| 09-Jul-08 | AR, TN  | Burditt Lake Shaft         | OC465-A | H098450 | 3b     | 5425819 | 446027 | 3m x 2m >16m deep        | Sheared Gabbro : fine grained, wk foliated(parallele to structure), trace -1% Po (oxidized) *no chip sample, unstable area*                                                                                                                                                      |
| 09-Jul-08 | AR, TN  | Burditt Lake Shaft         | OC465-A | H098451 | 3a     | 5425819 | 446027 | 3m x 2m >16m deep        | Gabbro with py : more of the same shared gabbro as H098450, >10% py                                                                                                                                                                                                              |
| 09-Jul-08 | AR, TN  | Burditt Lake Shaft         | OC466-A | H098452 | 3a     | 5425853 | 446044 | 30m x 5m                 | Gabbro : fine grained, black, massive,very wk chl                                                                                                                                                                                                                                |
| 09-Jul-08 | AR, TN  | Burditt Lake Shaft         | OC467-A | H098453 | 3a     | 5425857 | 446033 | 14m x 3m                 | Gabbro : fine grained, black, massive, wk fracturing @ 045°/v, trace-1% of py+po                                                                                                                                                                                                 |
| 09-Jul-08 | AR, TN  | Burditt Lake Shaft         | OC468-A | H098454 | 1a     | 5425900 | 446010 | 25m x >200m              | Basalt : fine grained, black-dark green, massive, trace-1% of py                                                                                                                                                                                                                 |
| 09-Jul-08 | AR, TN  | Burditt Lake Shaft         | OC469   | H098455 | 1a     | 5425918 | 446591 | 3m x 2m rock face        | Basalt : fine grained, black-dark green, sheared 060°/v, face trends b/w 0-40° ,30cm wide chip sampleof cab-chl-sheared basalt                                                                                                                                                   |

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| 09-Jul-08 | AR, TN | Burditt Lake Shaft             | OC469   | H098456 | QV     | 5425918 | 446591 | 3m x 2m rock face             | Chipped QV : across 1.2m, milky white QV : along E contact, green staining...copper (malc ?)                                                                                                                                    |
| 09-Jul-08 | AR, TN | Burditt Lake Shaft             | OC469   | H098457 | QV     | 5425918 | 446591 | 3m x 2m rock face             | QV : average 45cm wide veins, from 30cm-1m, trending 050o/v                                                                                                                                                                     |
| 09-Jul-08 | AR, TN | Burditt Lake Shaft             | OC469   | H098458 | 3b     | 5425918 | 446591 | 3m x 2m rock face             | A 30cm wide qtz-carb sheared zone of gabbro, E contact with QV                                                                                                                                                                  |
| 09-Jul-08 | AR, TN | Burditt Lake Shaft             | OC470-A | H098459 | 2c     | 5425955 | 446596 | 110m x 25m ridge              | Greywacke : fine grained, black-dark grey, wk fractured/sheared                                                                                                                                                                 |
| 09-Jul-08 | AR, TN | Burditt Lake Shaft             |         | N/T     |        | 5425819 | 446027 | 3m x 2m >16m deep             | Old Mine Shaft with 15-20cm timbering; waste rock is 10m x 10m x 1m (avg)                                                                                                                                                       |
| 10-Jul-08 | LR, TN | NE of Clearwater Lake          | OC465-B | H098460 | 1a     | 5427160 | 446419 | 15m x 20m x 6m rock surface   | Basalt? : medium grained, dark green, masisve, glassy, altered qtz(white @ fracture), trace of py                                                                                                                               |
| 10-Jul-08 | LR, TN | NW of Clearwater Lake          | OC466   | N/T     | 1a     | 5427369 | 446083 | 40m x 5m                      | Basalt? : looks same as OC645: medium grained, dark green, masisve QVs : <3cm wide, bluish white, sub-horizontal                                                                                                                |
| 10-Jul-08 | LR, TN | W of Clearwater Lake           | OC467   | H098461 | 3a     | 5426576 | 445444 | 2m x 50m                      | Gabbro : medium-coarse grained, dark grey, masisve, acticular black mineral(actinorite?) QVs : sub-horizontal                                                                                                                   |
| 10-Jul-08 | LR, TN | W of Clearwater Lake           | OC468   | H098462 | 1a     | 5426524 | 445372 | 20m x 5m ridge                | Basalt : fine-medium grained, dark greenish grey, massive, calcite? QVs : @fracture plane                                                                                                                                       |
| 10-Jul-08 | LR, TN | W of Clearwater Lake           | OC469   | N/T     | 1a     | 5426481 | 445318 | 20m x 3m                      | Basalt : fine-medium grained, dark green, massive, trace of pyrite                                                                                                                                                              |
| 10-Jul-08 | LR, TN | W of Clearwater Lake           | OC470   | N/T     | 1a, 1b | 5426437 | 445288 | 40m x 5m peninsura            | Basalt : medium grained, dark green, massive, trace of pyrite, trace of pillow structure, fracture @290°/70°NE                                                                                                                  |
| 10-Jul-08 | LR, TN | W of Clearwater Lake           | OC471   | N/T     | 1a, 1b | 5426368 | 445288 | 30m x 50m x 5m high peninsura | Basalt : continuous from OC470(whole peninsura), fine grained, greenish grey                                                                                                                                                    |
| 10-Jul-08 | LR, TN | Small Reef on Clearwater lake  | OC472   | H098463 | 1a, 1b | 5426523 | 445535 | 4m x 12m small reef           | Basalt : med-coarse grained, dark grey, massive, S end pillowed, N end coarser grained, med grey...Gabbro?, some aciculat black minerals(actinorite?) QV : 1-10cm wide, bluish white, @020o, numerous qtz veinlets crosscutting |
| 10-Jul-08 | LR, TN | Island on N of Clearwater Lake | OC473   | N/T     | 3a     | 5426607 | 445713 | 80m x 17m high ridge          | Basalt? Gabbro? : fine-med grained, dark greenish grey, massive, S end of the island, fallen rocks                                                                                                                              |

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| 10-Jul-08 | LR, TN | Island on N of Clearwater Lake | OC474 | H098464 | 3a | 5426756 | 445747 | 5m x 30m                      | Gabbro : fine-med grained, dark greenish grey, massive, trace of pyrite, trace of hbl? QV : 5-10cm wide, @060o/v                                        |
| 10-Jul-08 | LR, TN | Island on N of Clearwater Lake | OC475 | N/T     | 3a | 5426818 | 445790 | 5m x 15m                      | Gabbro : coarser grain than S end of the island, dark grey, massive, trace of pyrite *N end of the island*                                              |
| 10-Jul-08 | LR, TN | Island on N of Clearwater Lake | OC476 | N/T     | 3a | 5426822 | 445854 | 10m x 3m                      | Gabbro : med-coars grained, dark greenish grey, massive, 1-2% of pyrite, QV : 3-8cm wide, white, @ 240o/70oE                                            |
| 10-Jul-08 | LR, TN | Island on N of Clearwater Lake | OC477 | N/T     | 3a | 5426626 | 445938 | 2m x 10m                      | Gabbro : continuous from previous OC, med-coars grained, dark greenish grey, massive                                                                    |
| 10-Jul-08 | LR, TN | Island on N of Clearwater Lake | OC478 | N/T     | 3a | 5426553 | 445868 | 2m x 5m                       | Gabbro : continuous from previous OC, med-coars grained, dark greenish grey, massive                                                                    |
| 10-Jul-08 | LR, TN | Island on N of Clearwater Lake | OC479 | N/T     | 3a | 5426525 | 445814 | 2m x 2m                       | Gabbro : continuous from previous OC, med-coars grained, dark greenish grey, sheared @060o/v, chloritized + carbonized                                  |
| 10-Jul-08 | LR, TN | Island on N of Clearwater Lake | OC480 | H098465 | 3b | 5426562 | 445782 | 2m x 3m                       | Gabbro : similar to previous OC, med-coars grained, dark grey, strongly sheared @030o/v, chloritized + carbonized                                       |
| 10-Jul-08 | LR, TN | Island on N of Clearwater Lake | OC481 | N/T     | 3a | 5426570 | 445769 | 20m x 6m high broken rocks    | Gabbro : similar to OC473, med grained, dark grey, massive                                                                                              |
| 10-Jul-08 | LR, TN | Island on N of Clearwater Lake | OC482 | N/T     | 3a | 5426594 | 445767 | 20m x 17m high broken rocks   | Gabbro : similar to OC473, med grained, dark grey, massive, fallen rocks *S end of the island*                                                          |
| 10-Jul-08 | LR, TN | Island on N of Clearwater Lake | OC483 | H098466 | 1a | 5425910 | 445012 | 80m x 5m high ridge peninsula | Sheared basalt : fine grained, medium greenish grey, sheared @020o/v(comes off as sheet), clenurated, trace of pyrite, numerous of QVs on broken pieces |

|           |        |                                |       |         |       |         |        |                                               |                                                                                                                                                                                      |
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| 10-Jul-08 | LR, TN | Island on N of Clearwater Lake | OC484 | H098467 | 1a    | 5425864 | 444986 | 2m x 2m high ridge peninsula                  | Sheared basalt : fine grained, dark greenish grey, sheared @020o/v, strongly chloritized, QV : 50cm wide, white, parallele to bedding & 20cm wide, white                             |
| 10-Jul-08 | LR, TN | Island on N of Clearwater Lake | OC485 | H098468 | 3b    | 5425933 | 445064 | 100m x 12m high ridge                         | Sheared Gabbro : medium grained, greenish grey, foliated @020o/v, trace of pyrite, numerous of QVs : 5-20cm wide, white, parallele to bedding                                        |
| 10-Jul-08 | LR, TN | Island on N of Clearwater Lake | OC486 | N/T     | 3b    | 5426055 | 445177 | continuous :200m point from tip of the island | Sheared Gabbro : fine-medium grained, greenish grey, foliated @020o/v, actinolite & biotite, more qtz content(QV?)                                                                   |
| 10-Jul-08 | LR, TN | Island on N of Clearwater Lake | OC487 | N/T     | 3b    | 5426142 | 445215 | continuous :300m point from tip of the island | Sheared Gabbro : fine-medium grained, greenish grey, foliated @030o/v, QV parallele to shearing, 10cm wide, white *NE end of the island*                                             |
| 10-Jul-08 | LR, TN | Island on N of                 | OC488 | N/T     | 3b    | 5426213 | 445133 | 1m x 5m                                       | Sheared Gabbro : medium grained, medium greenish grey, foliated @100o/v *N end of the island*                                                                                        |
| 10-Jul-08 | LR, TN | Island on N of                 | OC489 | N/T     | 3b    | 5426102 | 445035 | 3m x 2m face rock                             | Sheared Gabbro : continuous from previous Ocs, medium grained, medium greenish grey, foliated @015o/v                                                                                |
| 10-Jul-08 | LR, TN | Bay on N of Clearwater         | OC490 | H098469 | 6b    | 5425655 | 443756 | 80m x 10m x 3m                                | Felsic Dike : fine-medium grained, light grey, massive & foliated @ 046o, with blue qtz eyes, 3 large basalt boulders(2m in diameter) *a ridge continues from                        |
| 10-Jul-08 | LR, TN | Bay on N of Clearwater         | OC491 | N/T     | 6b    | 5425583 | 443653 | 80m x 10m x 3m                                | Felsic Dike : medium grained, light grey, foliated @ 057o, same as OC490 *a ridge continues from OC490,300m long along shore line*                                                   |
| 10-Jul-08 | LR, TN | Bay on N of Clearwater         | OC495 | N/T     | 1a    | 5425410 | 443642 | 10m x 10m ridge                               | Basalt? : fine-medium grained, dark grey, massive, foliation @050o                                                                                                                   |
| 10-Jul-08 | LR, TN | Bay on N of Clearwater         | OC496 | H098471 | 6b    | 5425410 | 443764 | 5m x 3m peninsula                             | Felsic Dike? : fine grained, dark grey, foliation @050o, trace of oxydized pyrite, qtz eyes, basalt with qtz eyes??, pidded 15cm wide(basalt??)                                      |
| 10-Jul-08 | KS, AR | W shore of Clearwater          | OC497 | H098472 | 1a    | 5425532 | 443880 | 7 x 0.5m                                      | Meta-basalt: med-greenish grey, fine grained, massive, trace - 1% py, minor chl                                                                                                      |
| 10-Jul-08 | KS, AR | W shore of Clearwater          | OC498 | H098473 | 1a    | 5425550 | 443903 | 7 x 1m                                        | Meta-basalt: med-greenish grey, fine grained, massive, trace - 1% py, 15cm wide highly chloritized shear, 5-7cm wide white qtz vein @ 045/v                                          |
| 10-Jul-08 | KS, AR | W shore of Clearwater          | OC499 | H098474 | 1a    | 5425557 | 443964 | 8 x 1m                                        | Meta-basalt: black, fine grained, wk. Shear @ 056/78 E, trace - 1% py, >80% amph                                                                                                     |
| 10-Jul-08 | KS, AR | W shore of Clearwater          | OC500 | H098475 | 6c, 7 | 5425572 | 443970 | 6 x 30m                                       | Felsic dike + Meta-basalt: Dike is fine gr., dk grey-black, wk shear @ 048/80 E, 3-5% qtz eyes, trace-1% sulph, black Fe-chl alt. Basalt is med grey, fine gr., massive, trace-1% py |
| 10-Jul-08 | KS, AR | W shore of Clearwater          | OC501 | H098476 | 6c    | 5425589 | 443997 | 5 x 1m                                        | Felsic dike: dk grey, f-med gr., massive, 5% blue qtz eyes, 2-3% py, Fe-chl                                                                                                          |
| 10-Jul-08 | KS, AR | W shore of Clearwater          | OC502 | H098477 | 1a    | 5425598 | 444015 | 40+ x 10m                                     | Meta-basalt: black, fine gr., massive flow, trace-1% py                                                                                                                              |



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| 10-Jul-08 | KS, AR | W shore of Clearwater               | OC503 | H098478 | 6c, 7 | 5425620 | 444035 | 30 x 5m  | Felsic dike + Meta-basalt: Dike is fine gr., dk grey-black, wk shear @ 048/80 E, 3-5% qtz eyes, trace-1% sulph, black Fe-chl alt. Basalt is med grey, fine gr., massive, trace-1% py, carbonate alt |
| 10-Jul-08 | KS, AR | W shore of Clearwater               | OC504 | H098479 | 1a    | 5425647 | 444073 | 30 x 2m  | Meta-basalt: dk grey, fine gr., massive flow, >3% coarse cubic py, carb-qtz stringers, wk shearing @ 046/78 E                                                                                       |
| 10-Jul-08 | KS, AR | W shore of Clearwater               | OC504 | H098480 | 1a    | 5425647 | 444073 | 30 x 2m  | Meta-basalt: dk grey, fine gr., massive flow, pervasive (>30%) qtz-carb alt.                                                                                                                        |
| 10-Jul-08 | KS, AR | W shore of Clearwater               | OC505 | H098481 | 1a    | 5425685 | 444093 | 8 x 2m   | Mafic fragmental: fine gr., lt greyish green, carbonated (>20%), 10-20% clasts (basalt?), hematitic staining, trace py                                                                              |
| 10-Jul-08 | KS, AR | W shore of Clearwater               | OC506 | H098482 | 1a    | 5425709 | 444135 | 5 x 1m   | Meta-basalt: fine gr., black, massive, qtz vein, rusted out sulph stringers                                                                                                                         |
| 10-Jul-08 | KS, AR | W shore of Clearwater               | OC507 | H098483 | 1a    | 5425766 | 444184 | 13 x 3m  | Meta-basalt: fine gr., black, massive, trace py                                                                                                                                                     |
| 10-Jul-08 | KS, AR | W shore of Clearwater               | OC508 | H098484 | 1a    | 5425925 | 444329 | 35 x 40m | Meta-basalt + Plag-phyric Basalt: Phyric basalt is fine gr., with 10-15% of up to 2cm plag phenocrysts, dk grey, massive, chloritic.                                                                |
| 10-Jul-08 | KS, AR | W shore of Clearwater               | OC508 | H098485 | 1a    | 5425925 | 444329 | 35 x 40m | Basalt is fine gr., dk grey-black, massive, trace py/po, cleavage @ 052                                                                                                                             |
| 10-Jul-08 | KS, AR | W shore of Clearwater               | OC509 | H098486 | 1a    | 5425964 | 444399 | 10 x 1m  | Meta-basalt: med grey, fine gr., massive, 1% py                                                                                                                                                     |
| 10-Jul-08 | KS, AR | W shore of Clearwater               | OC510 | H098487 | 6b    | 5425973 | 444430 | 1 x 2m   | Felsic dike: med grey, med gr., sheared @ 053/80 E, plag phyric, weakly ankerite alt., 1% py, several small qtz veinlets                                                                            |
| 10-Jul-08 | KS, AR | W shore of Clearwater               | OC511 | H098488 | 1a    | 5426049 | 444524 | 50 x 2m  | Meta-basalt: fine gr., green, wk shear @ 045/72 E, trace py, >10% carb alt.                                                                                                                         |
| 12-Jul-08 | KS, TN | E side of South dam near power line | OC512 | H098489 | 1c    | 5416979 | 441178 | 10 x 3m  | Sheared basalt: fine gr., dk grey, sheared, fold axis @ 340, pelitic appearance, wk hematitic staining                                                                                              |
| 12-Jul-08 | KS, TN | E side of South dam near power line | OC513 | H098490 | 1a    | 5416983 | 441189 | 10 x 1m  | Meta-basalt, fine gr., med-dk grey, massive, trace-1% py, minor qtz-carb alt.                                                                                                                       |
| 12-Jul-08 | KS, TN | E side of South dam near power line | OC514 | H098491 | 1a    | 5417003 | 441238 | 5 x 15m  | Meta-basalt: basalt is fine gr., massive, black, trace-2% py clots.                                                                                                                                 |
| 12-Jul-08 | KS, TN | E side of South dam near power line | OC514 | H098492 | 6a    | 5417003 | 441238 | 5 x 15m  | Felsic dike: med grey, fine-med gr., massive, siliceous, minor carb alt., trace py, has 1cm white qtz veins. Smaller felsic dike @ 158                                                              |
| 12-Jul-08 | KS, TN | E side of South dam near power line | OC515 | N/T     | 6a    | 5417049 | 441265 | 10 x 20m | Felsic dike: med grey, fine-med gr., massive, minor carb. Alt., trace py                                                                                                                            |

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| 12-Jul-08 | KS, TN     | E side of South dam near power line            | OC516                  | H098493                 | 1a | 5417333 | 441417  | 10 x 10m        | Meta-basalt: black, fine gr., massive, 3-5% py, hornblende > 5%                                                                                                                                                          |
| 12-Jul-08 | AR, LR     | W of Clearwater Lake Road, N of previous OC218 | OC517                  | H098494                 | 3a | 5417114 | 440947  | 6m x 5m knob    | Fine Gabbro - fine to medium grained, dark grey, massive, moderately magnetitic, basalt to fine gabbro, 1% py +/- po?, 1% very fine magnetite crystals                                                                   |
| 12-Jul-08 | AR, LR     | W of Clearwater Lake Road, N of previous OC218 | Previous outcrop OC183 | Previous sample H098176 |    | 5417046 | 4409118 |                 | 20m N of OC183 is an old road/walking trail infilled by poplar                                                                                                                                                           |
| 13-Jul-08 | AR, TN     | Between Clearwater and Off Lake                | B23                    | H098495                 | 3a | 5416475 | 440893  | 0.4 x 0.6 x 0.4 | Basalt/Gabbro: f-mgr., dk grey-black, massive, mafic flow OR fgr. Gabbro, frac filling calcite, >1% py/po                                                                                                                |
| 14-Jul-08 | AR, TN, KS | West shore of Clearwater Lake                  | OC518                  | C371001                 | 1a | 5426216 | 444650  | 30 x 15         | Amygdaloidal basalt: fgr., grey, chloritic basalt >5% coarse calcite filled amygdules and trace py; western 10m of outcrop.                                                                                              |
| 14-Jul-08 | AR, TN, KS | West shore of Clearwater Lake                  | OC518                  | H098500                 | 1c | 5426216 | 444650  | 30 x 15         | Py bearing Basalt: fgr, black, weak- mod sheared (080°/80°SE) basalt flow with weak calcite alteration (<10%) and 2-3% py +/- cpy                                                                                        |
| 14-Jul-08 | AR, TN, KS | West shore of Clearwater Lake                  | OC519                  | N/T                     | 1a | 5426303 | 4434710 | 35 x 25         | Massive Basalt Flow - fgr, dark grey-green, massive basalt with trace py                                                                                                                                                 |
| 14-Jul-08 | AR, TN, KS | West shore of Clearwater Lake                  | OC520                  | C371002                 | 6b | 5425328 | 443784  | 3m x 12m        | Felsic Dike - fine grained, med grey, massive, with >2% of qtz/plag, phenocrysts with this zone(2-4cm) of Ank-Ser-Silc alteration(240°/v) + 1-2% py Old Post 1 : #3-784138, #2-784146, #1-784147, Old Post 2 : #4-784147 |
| 14-Jul-08 | AR, TN, KS | West shore of Clearwater Lake                  | OC521                  | C371003                 | 6a | 5425261 | 443835  | 15m x 40m       | Felsic Dike - fine grained, light grey, massive to fractured(240°/v), with 2% of qzeyes, celic fragments of conglomerates                                                                                                |

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| 19-Jul-08 | AR, KS, TN | Between Clearwater and Off Lake | B62         | C371075 | 6c     | 5417192 | 440920 | 100kg                           | Sil alt felsic dike: fgr., med grey, >50% sil alt, 1% plag + qtz eyes, very fine trace py                                                                                                                                                       |
| 19-Jul-08 | AR, KS, TN | Between Clearwater and Off Lake | B63         | C371076 | 6c     | 5417195 | 440933 | 0.5*0.5*0.5                     | Felsic dike: mgr., dk grey, massive, 7-8% py, trace cpy, plag phyrlic                                                                                                                                                                           |
| 19-Jul-08 | AR, KS, TN | Between Clearwater and Off Lake | B64         | C371077 | 3b     | 5417183 | 440938 |                                 | Sheared melanogabbro: f-mgr., black, wk shear, trace-1% py/po                                                                                                                                                                                   |
| 19-Jul-08 | AR, KS, TN | Between Clearwater and Off Lake | B65         | C371078 | 6c     | 5417195 | 440933 | 0.3*0.3*0.3                     | Altered felsic dike: vfgr., grey-apple green, massive, trace-1% py, >50% epi/sil alt                                                                                                                                                            |
| 09-Aug-08 | TN, KS     | Hydro Line by CWLR              | B181        | C371257 | 6b     | 5417357 | 440952 | 0.6 x 0.4 x 0.3m                | Felsic Dike : fine-med grain, light grey, wk folliated, strongly altered, with 5% of qtz eyes, wk HEM stained <1%, <2% mica, round boulder                                                                                                      |
| 09-Aug-08 | TN, KS     | Hydro Line by CWLR              | B182        | C371258 | 1a     | 5417262 | 440983 | 0.4 x 0.3 x 0.2m                | Silicified Basalt : fine-med grain, dark grey, strongly silicified, HEM stained along fracture plane, <2% plg phenocrysts                                                                                                                       |
| 09-Aug-08 | TN, KS     | Hydro Line by CWLR              | B183        | C371259 | 1a     | 5417256 | 440995 | 0.5 x 0.3 x 0.2m                | Basalt : fine grain, medium grey, strongly carbonatized, moderately silicified, <1% epidotized                                                                                                                                                  |
| 09-Aug-08 | TN, KS     | Hydro Line by CWLR              | B184        | C371260 | 1a     | 5417249 | 441001 | 3 x 1.5 x 1.2m                  | Basalt : fine grain with med grain plg phenocrysts, medium green, folliated, moderately carbonated, tr-<1% py                                                                                                                                   |
| 09-Aug-08 | TN, KS     | Hydro Line by CWLR              | B185        | C371261 | 1a     | 5417246 | 441987 | 0.6 x 0.2 x 0.3m                | Mafic Fragmental : fine grain matrix with med grain fragmental, light grey(matrix), medium grey(fragmental), 1% of EPI, wk carbonetized, anglugar boulder                                                                                       |
| 09-Aug-08 | TN, KS     | Hydro Line by CWLR              | B186        | C371262 | 1a, QV | 5417246 | 440984 | 1.7 x 1 x 0.7m                  | Alt Basalt : fine grain, light grey, HEM + Carb alt along fracture plane, qtz filled fracture <1cm, -50%silicification, tr-1% Galena?(black), purploh blue boronite/covellite around galena, wk sheared                                         |
| 09-Aug-08 | TN, KS     | Hydro Line by CWLR              | B187        | C371263 | 1a     | 5417255 | 440986 | 0.6 x 0.3 x 0.2m                | Basalt : fine-med grain, light -med grey, wk silicified, tr py, very angular(tabular) boulder                                                                                                                                                   |
| 09-Aug-08 | TN, KS     | Hydro Line by CWLR              | B188        | C371264 | 2d     | 5417213 | 440995 | 1.2 x 1 x 0.2m (>50% burried)   | Silicified Conglomerate : fine grain(matrix), aphanitic (clasts), med grey(matrix), light grey-pinky(clasts), clasts = Chart?, highly silicified + recrystalized, carb alt at fracture plane, tr-1% py(oxidized) in matrix, clasts = <2cm x 5cm |
| 09-Aug-08 | TN, KS     | Hydro Line by CWLR              | Gravel Area |         |        | 5417206 | 440965 | 15N x 15S x 10W x 10E           | small (<10kg) boulders, mostly granite, diorite + sed in 30m x 20m area                                                                                                                                                                         |
| 09-Aug-08 | TN, KS     | Hydro Line by CWLR              | B189        | C371265 | 1a     | 5417215 | 441008 | 0.4 x 0.3 x 0.2m (<50% burried) | Basalt : fine grained, med greenish grey, <10% HEM stain, <5% py + tr cpy                                                                                                                                                                       |

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| 10-Aug-08 | TN, KS | Hydro Line by CWLR     | B190  | C371266 | 1a     | 5417286 | 441055 | 1 x 0.7 x 0.5m        | Basalt : fine grained, greenish grey, massive, 10% dark spots(hbl?)                                                                          |
| 10-Aug-08 | TN, KS | Hydro Line by CWLR     | B191  | C371266 | 1a     | 5417286 | 441055 | 1 x 0.7 x 0.5m        | Basalt : fine grained, greenish grey, massive, 10% dark spots(hbl?)                                                                          |
| 10-Aug-08 | TN, KS | Hydro Line by CWLR     | B192  | C371267 | 1a     | 5417278 | 441069 | 1 x 0.5 x 0.3m        | Basalt : fine grained, grey, massive, strong HEM stain on face                                                                               |
| 10-Aug-08 | TN, KS | Hydro Line by CWLR     | B192  | C371268 | 3a     | 5417282 | 441067 | 2 x 0.7 x 0.7m        | Gabbro : med-coarse grained, grey, massive, trace of py                                                                                      |
| 10-Aug-08 | TN, KS | Hydro Line by CWLR     | OC585 | C371269 | 3b     | 5417358 | 441040 | 40 x 30 x 1.5(cliff)m | Gabbro(basalt?) : fine-med grained, black, massive-sheared(010/82W), qtz-carb veinlets, tr sulph, mod HEM                                    |
| 10-Aug-08 | TN, KS | Hydro Line by CWLR     | OC585 | C371270 | 6a     | 5417358 | 441040 | 4 x 8(?)m             | Felsic Dike : coarse grained, light grey, 5% grey + blue qtz eyes, QV: white + HEM                                                           |
| 10-Aug-08 | TN, KS | Hydro Line by CWLR     | B193  | C371271 | 2d     | 5417372 | 441015 | 0.7 x 0.6 x 0.4m      | Conglomerate : fine grained matrix, light grey, sheared, 10% carb alt, clasts/fragments : angular-sub rounded, felsic+mafic, 1-20cm          |
| 10-Aug-08 | TN, KS | Hydro Line by CWLR     | OC586 | C371273 | 1a, 6a | 5417622 | 440915 | 10 x 5m               | Meta-Basalt : very fine grained, black, massive, tr py, carb veinlets, strong HEM stain in pods, foliation@SW(030/82), contact with FD @124° |
| 10-Aug-08 | TN, KS | Hydro Line by CWLR     | OC586 | C371274 | 1a     | 5417622 | 440915 | 1.5 x 5m              | Pods in Basalt : strong HEM stain in pods, in foliated bed, <5cm x <10cm                                                                     |
| 10-Aug-08 | TN, KS | Hydro Line by CWLR     | OC586 | C371275 | 6a     | 5417622 | 440915 | 0.5(?)x 5m            | Felsic Dike : coarse grained, dark grey, massive, 1% grey qtz eyes, 5% plag phenocrysts                                                      |
| 10-Aug-08 | TN, KS | Hydro Line by CWLR     | B197  | C371278 | 6b     | 5417500 | 440937 | 1 x ??m(burrie        | Felsic Dike : coarse grained, black, very strongly sheared, 8% blue-grey qtz eyes, Fe-chl, friable + schistose                               |
| 10-Aug-08 | TN, KS | Hydro Line by CWLR     | B198  | C371279 | 1a     | 5417505 | 440932 | 1 x 0.7 x 0.3m        | Meta-Basalt : very fine grained, med grey, massive, >30% carb alt, carb pods + stringers                                                     |
| 10-Aug-08 | TN, KS | Hydro Line by CWLR     | B199  | C371280 | 1a     | 5417483 | 440934 | Three of 0.2 x 0.2 x  | Meta-Basalt : fine grained, black, massive, strong HEM, 10% carb alt, tr py                                                                  |
| 12-Aug-08 | TN, AR | Hydro Line by CWLR     | B200  | C371281 | 1a     | 5417208 | 441011 | 0.8 x 0.6 x 0.3m      | Meta-Basalt : med grained, dark grey, massive, basaltic flow, with silica on fracture plane                                                  |
| 16-Aug-08 | KS, TN | Fleming Rd + SE of Off | OC616 | C371327 | 3a     | 5414586 | 438556 | 20m x 5m              | Gabbro : same as OC384, med-coarse grained, dark grey-black, massive, silicified, partially(<1% of outcrop) HEM stain, tr py                 |
| 16-Aug-08 | KS, TN | Fleming Rd + SE of Off | OC617 | C371328 | 3a     | 5414595 | 438531 | 3m x 5m               | Gabbro : fine-med grained, black, massive, silicified, malachite(green) on fracture plane(<1%), 1-2% py                                      |
| 16-Aug-08 | KS, TN | Fleming Rd + SE of Off | OC618 | C371329 | 3a     | 5414624 | 438547 | 10m x 10m             | Gabbro : med grained, dark grey, massive, tr silica alt, Epi alt at fracture plane, <1% seri alt, <2% HEM stain                              |
| 16-Aug-08 | KS, TN | Fleming Rd + SE of Off | OC619 | C371330 | 3a     | 5414664 | 438500 | 20m x 10m x 2m        | Basalt(fine grain gabbro?) : fine grained, light greenish grey, shear(030/v) zone <10m wide, <50% HEM stain, cont' OC384                     |
| 16-Aug-08 | KS, TN | Fleming Rd + SE of Off | OC620 | N/T     | 3a     | 5414730 | 438505 | 20m x 10m x           | Gabbro : same as OC618, med grained, dark grey, massive, tr py, Epi alt                                                                      |
| 16-Aug-08 | KS, TN | Fleming Rd + SE of Off | OC621 | C371331 | 3a     | 5414842 | 438560 | 3m x 10m              | Gabbro : fine-med grained, dark grey, massive, <2% seri + silica alt, <2% HEM stain ; QV : 008/60W, white, 2-5cm wide, fractured             |
| 16-Aug-08 | KS, TN | Fleming Rd + SE of Off | OC621 | C371332 | 3a,6a  | 5414842 | 438560 | 3m x 1m wide1 SE      | Gabbro-FD(transitional zone) : fine-med grained, light grey, massive, <5% epi + chl alt, silica alt >50%                                     |

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|-----------|--------|-----------------------------|-------|---------|--------|---------|--------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 16-Aug-08 | KS, TN | Fleming Rd + SE of Off      | OC622 | C371334 | 3a     | 5414872 | 438592 | 50m x 30m               | Leuco-gabbro - Diorite : med grained, black, massive, tr-1% py, <5% Epi alt, veinlet;k-spar + qtz, wk magnetic ; QV:010/v, white, <5cm wide                    |
| 16-Aug-08 | KS, TN | Fleming Rd + SE of Off      | OC623 | C371335 | 6a     | 5414920 | 438583 | 5m x 3m                 | Felsic Dike : med grained, light grey, massive, strongly silicified, <2% grey qtz eyes, <2% Epi + chl alt                                                      |
| 16-Aug-08 | KS, TN | Fleming Rd + SE of Off Lake | OC624 | C371336 | 2b     | 5414922 | 438582 | 1m wide-pinchd out x 2m | Meta-Arkose : med grained, light grey, massive, recrystalized(hard), <5% HEM stain, tr py, hbl phenocrysts ; Felsic Dike Interflow ; general direction of 020/ |
| 16-Aug-08 | KS, TN | Fleming Rd + SE of Off      | OC625 | N/T     | 6a     | 5414932 | 48589  | 5m x 3m x 1m rock       | Felsic Dike : same as OC623 (C371335)                                                                                                                          |
| 16-Aug-08 | KS, TN | Fleming Rd + SE of Off      | OC626 | C371337 | 3a     | 5414960 | 438588 | 1m x 3m                 | Gabbro(?) : med grained, black, massive-wk sheared, tr-1% py, HEM stain, minor chl alt                                                                         |
| 16-Aug-08 | KS, TN | Fleming Rd + SE of Off      | OC627 | C371338 | 6a, QV | 5415011 | 438452 | >30m x 20m x 5-         | Felsic Dike + QV : fine grained, buff, massive-wk sheared(@020), 3-4% euhedral py(dissem), >30% QVs + veinlets, anastamosing, 2% discolored mafic mineral,     |
| 16-Aug-08 | KS, TN | Fleming Rd + SE of Off      | OC628 | N/T     | 6a     | 5414786 | 438517 | 2m x 5m                 | Felsic Dike : same as OC623                                                                                                                                    |
| 20-Aug-08 | KS, TN | E of Off Lake               | OC660 | C371383 | 6a     | 5415503 | 439013 | 40m x 3m x >50m         | Felsic Dike : coarse grained, med grey, massive-foliated @ 035/v, 7% blue qtz eyes, epi + biot + seri alt, white blocky QV @050/, 1-3cm wide                   |
| 20-Aug-08 | KS, TN | E of Off Lake               | OC660 | C371384 | 6a     | 5415528 | 438975 | 40m x 3m x >50m         | Felsic Dike : NW of OC660; coarse grained, med grey + green, massive, qtz>fsp >biot/hbl/epi, 0-7% blue qtz eyes, 5-8cm white QV @340/                          |
| 20-Aug-08 | KS, TN | E of Off Lake               | OC660 | C371385 | 6b     | 5415528 | 438975 | 40m x 3m x >50m         | Sheared Felsic Dike : NW of OC660; very fine grained, light cream, sheared @035/, 2-3% py diss, >15% sericite, HEM staining                                    |
| 20-Aug-08 | KS, TN | E of Off Lake               | OC661 | C371386 | 6a     | 5415649 | 438832 | 30m x 30m               | Felsic Dike : fine-med grained, light grey, massive, 1% grey qtz eyes, 1-2% py stringers                                                                       |
| 20-Aug-08 | KS, TN | E of Off Lake               | OC662 | C371387 | 6a     | 5415357 | 438723 | 200m x 350m             | Felsic Dike : coarse grained, med pinkish grey, massive, rare grey qtz eyes, tr py, epi alt                                                                    |
| 20-Aug-08 | KS, TN | E of Off Lake               | OC662 | C371388 | 6a     | 5415192 | 438658 | 200m x 350m             | Felsic Dike : medium grained, med grey, massive, rare milkey-grey qtz eyes, tr py, minor epi alt, flat white QV,1-2cm wide @220/                               |
| 20-Aug-08 | KS, TN | E of Off Lake               | OC662 | C371389 | QV     | 5415192 | 438706 | 200m x 350m             | QV : sugarty, white hem, @035/v, 20-30cm wide, 1% molybdenite, tr py with cpy discose                                                                          |
| 20-Aug-08 | KS, TN | E of Off Lake               | B208  | C371390 | 1a     | 5415264 | 438818 | 1m x 0.5m x 0.7m        | Meta-Basalt : fine grained, greenish grey, massive, 10% silica alt, sil + oxidized pods; qtz+strong HEM, 3-5% py + sph(?)                                      |
| 20-Aug-08 | KS, TN | E of Off Lake               | OC663 | C371391 | 2b     | 5415369 | 438970 | 30m x 30m               | Meta-Arkose : medium grained, light grey, massive, qtz>fspar>biot, no visible qtz eyes or bedding, tr py, 5% epi + carb alt                                    |

**APPENDIX B**

**Rainy River Resources Personnel  
Sampling 2008**

| SAMPLE  | Descriptions                     | Northing | Easting | Ag   | Al   | As  | B   | Ba  | Be   | Bi  | Ca   | Cd   | Co  | Cr   | Cu  | Fe    | Ga  | Hg  | K     |
|---------|----------------------------------|----------|---------|------|------|-----|-----|-----|------|-----|------|------|-----|------|-----|-------|-----|-----|-------|
|         |                                  |          |         | ppm  | %    | ppm | ppm | ppm | ppm  | ppm | %    | ppm  | ppm | ppm  | ppm | %     | ppm | ppm | %     |
| H098001 | arenite                          | 5416294  | 444171  | <0.2 | 0.84 | <2  | <10 | 40  | <0.5 | <2  | 0.22 | <0.5 | 5   | 17   | 30  | 1.51  | <10 | <1  | 0.51  |
| H098002 | B - rusty arkose (bst) + QV-py   | 5416568  | 443818  | 0.2  | 0.86 | 124 | <10 | 50  | <0.5 | <2  | 3.82 | 0.6  | 69  | 229  | 178 | 10.10 | <10 | 2   | 0.09  |
| H098003 | greywacke + QV-py                | 5416790  | 443476  | <0.2 | 0.92 | <2  | <10 | 80  | <0.5 | <2  | 0.17 | <0.5 | 6   | 15   | 23  | 1.63  | <10 | 1   | 0.64  |
| H098004 | greywacke + py                   | 5416998  | 443379  | <0.2 | 0.74 | 3   | <10 | 50  | <0.5 | <2  | 0.27 | <0.5 | 6   | 11   | 14  | 1.16  | <10 | <1  | 0.36  |
| H098005 | arenite + py                     | 5417146  | 443389  | <0.2 | 0.87 | <2  | <10 | 40  | <0.5 | <2  | 0.13 | <0.5 | 4   | 13   | 4   | 1.49  | <10 | <1  | 0.63  |
| H098006 | B- rusty mafic frag + py         | 5417478  | 443332  | <0.2 | 3.27 | 2   | <10 | <10 | <0.5 | <2  | 7.21 | <0.5 | 32  | 221  | 63  | 5.23  | <10 | 2   | 0.01  |
| H098007 | greywacke + py                   | 5417609  | 443333  | <0.2 | 1.96 | 2   | <10 | 180 | <0.5 | <2  | 0.77 | <0.5 | 16  | 405  | 9   | 2.52  | 10  | <1  | 0.75  |
| H098008 | sheared chl bst + QV             | 5417674  | 443341  | <0.2 | 0.76 | 3   | <10 | 140 | <0.5 | <2  | 0.15 | <0.5 | 6   | 19   | 34  | 1.58  | <10 | <1  | 0.41  |
| H098009 | greywacke + QV                   | 5417674  | 443341  | <0.2 | 0.80 | 2   | <10 | 160 | <0.5 | <2  | 0.15 | <0.5 | 4   | 17   | 31  | 1.59  | <10 | <1  | 0.44  |
| H098010 | sheared bst frag in greywacke    | 5417949  | 443266  | <0.2 | 1.95 | 3   | <10 | 270 | <0.5 | <2  | 0.33 | <0.5 | 16  | 399  | 29  | 2.35  | 10  | <1  | 1.39  |
| H098011 | sheared bst frag in greywacke    | 5417949  | 443266  | <0.2 | 1.10 | <2  | <10 | 170 | <0.5 | <2  | 0.25 | <0.5 | 9   | 229  | 18  | 1.36  | <10 | 2   | 0.74  |
| H098012 | syenogranite                     | 5417949  | 443266  | <0.2 | 0.30 | <2  | <10 | 20  | <0.5 | 2   | 0.08 | <0.5 | 1   | 9    | 1   | 0.53  | <10 | <1  | 0.11  |
| H098013 | aplite dikes in syenogranite     | 5417949  | 443266  | <0.2 | 0.16 | <2  | <10 | 40  | <0.5 | <2  | 0.03 | <0.5 | 1   | 7    | 3   | 0.32  | <10 | <1  | 0.07  |
| H098014 | monzogranite                     | 5418232  | 443274  | <0.2 | 0.45 | <2  | <10 | 40  | <0.5 | <2  | 0.07 | <0.5 | 1   | 6    | 1   | 0.71  | <10 | <1  | 0.19  |
| H098015 | monzogranite                     | 5418585  | 443228  | <0.2 | 0.42 | <2  | <10 | 50  | <0.5 | <2  | 0.13 | <0.5 | 1   | 10   | 1   | 0.83  | <10 | <1  | 0.20  |
| H098016 | monzogranite                     | 5418689  | 443264  | <0.2 | 0.40 | <2  | <10 | 50  | <0.5 | 2   | 0.14 | <0.5 | 1   | 10   | 2   | 0.71  | <10 | <1  | 0.17  |
| H098017 | monzogranite                     | 5420988  | 444598  | <0.2 | 0.37 | <2  | <10 | 60  | <0.5 | 2   | 0.20 | <0.5 | 1   | 11   | 2   | 0.71  | <10 | 1   | 0.18  |
| H098018 | aplite                           | 5421309  | 444816  | 0.3  | 0.21 | <2  | <10 | 30  | <0.5 | <2  | 0.04 | <0.5 | <1  | 5    | 1   | 0.49  | <10 | <1  | 0.09  |
| H098019 | aplite                           | 5421309  | 444816  | <0.2 | 0.15 | <2  | <10 | 10  | <0.5 | <2  | 0.03 | <0.5 | <1  | 5    | 1   | 0.48  | <10 | <1  | 0.07  |
| H098020 | B - rusty arenite + silc-ank-py  | 5421554  | 444882  | <0.2 | 0.19 | 28  | <10 | <10 | <0.5 | <2  | 5.02 | 0.5  | 30  | <1   | 138 | 8.61  | <10 | <1  | 0.01  |
| H098021 | monzogranite + aplite            | 5421686  | 444975  | <0.2 | 0.69 | <2  | <10 | 30  | <0.5 | <2  | 0.47 | <0.5 | 5   | 14   | 3   | 1.05  | <10 | <1  | 0.23  |
| H098022 | porphyritic syenogranite         | 5422000  | 445133  | <0.2 | 0.52 | <2  | <10 | 30  | <0.5 | <2  | 0.35 | <0.5 | 4   | 21   | 3   | 0.87  | <10 | 1   | 0.18  |
| H098023 | porphyritic syenogranite         | 5422788  | 445640  | <0.2 | 0.52 | <2  | <10 | 40  | <0.5 | <2  | 0.23 | <0.5 | 3   | 21   | 12  | 0.84  | <10 | <1  | 0.23  |
| H098024 | porphyritic syenogranite         | 5422788  | 445640  | <0.2 | 0.54 | <2  | <10 | 40  | <0.5 | 2   | 0.25 | <0.5 | 3   | 22   | 16  | 0.86  | <10 | <1  | 0.24  |
| H098025 | B- rusty mafic frag+ ank-silc-py | 5423360  | 445492  | <0.2 | 0.56 | <2  | <10 | 30  | <0.5 | <2  | 0.97 | <0.5 | 59  | 717  | 8   | 5.54  | <10 | <1  | <0.01 |
| H098026 | greywacke                        | 5423754  | 445593  | <0.2 | 1.33 | <2  | <10 | 390 | <0.5 | <2  | 0.27 | <0.5 | 7   | 19   | 1   | 1.95  | 10  | <1  | 0.82  |
| H098027 | conglomerate                     | 5423808  | 445595  | <0.2 | 1.49 | <2  | <10 | 240 | <0.5 | 2   | 0.26 | <0.5 | 9   | 22   | 11  | 2.77  | 10  | <1  | 1.00  |
| H098028 | aplite                           | 5423844  | 445641  | <0.2 | 1.45 | 2   | <10 | 10  | <0.5 | <2  | 0.66 | <0.5 | 16  | 558  | 8   | 1.96  | 10  | <1  | 0.05  |
| H098029 | aplite                           | 5423844  | 445641  | <0.2 | 1.81 | <2  | <10 | <10 | <0.5 | <2  | 0.32 | <0.5 | 20  | 974  | 16  | 2.84  | 10  | 1   | 0.03  |
| H098030 | foliated gabbro                  | 5423900  | 445670  | <0.2 | 1.67 | <2  | <10 | 150 | <0.5 | <2  | 0.89 | <0.5 | 21  | 61   | 28  | 3.13  | 10  | 1   | 0.53  |
| H098031 | gabbro                           | 5423920  | 445718  | <0.2 | 0.97 | 3   | <10 | 30  | <0.5 | <2  | 1.01 | <0.5 | 9   | 10   | 13  | 2.28  | <10 | <1  | 0.08  |
| H098032 | gabbro chill zone                | 5423920  | 445718  | <0.2 | 0.65 | <2  | <10 | 40  | <0.5 | <2  | 0.57 | <0.5 | 4   | 15   | 2   | 1.11  | <10 | 1   | 0.11  |
| H098033 | arenite                          | 5423920  | 445718  | <0.2 | 0.83 | <2  | <10 | 130 | <0.5 | <2  | 0.15 | <0.5 | 5   | 14   | 6   | 1.37  | 10  | <1  | 0.35  |
| H098034 | foliated gabbro                  | 5424055  | 445811  | <0.2 | 2.39 | <2  | <10 | 200 | <0.5 | <2  | 0.67 | <0.5 | 18  | 21   | 96  | 4.10  | 10  | <1  | 0.46  |
| H098035 | foliated gabbro                  | 5424183  | 445987  | <0.2 | 2.47 | <2  | <10 | 420 | <0.5 | <2  | 0.69 | <0.5 | 11  | <1   | 43  | 7.47  | 10  | 1   | 1.26  |
| H098036 | greywacke                        | 5424233  | 446063  | <0.2 | 1.96 | 4   | <10 | 460 | <0.5 | <2  | 0.76 | <0.5 | 33  | 148  | 126 | 3.40  | 10  | 1   | 0.79  |
| H098037 | greywacke                        | 5424233  | 446063  | <0.2 | 2.25 | <2  | <10 | 260 | <0.5 | <2  | 0.27 | <0.5 | 21  | 1180 | 3   | 2.23  | 10  | <1  | 1.42  |
| H098038 | pillow basalt                    | 5424771  | 446535  | <0.2 | 1.09 | <2  | <10 | 110 | <0.5 | <2  | 0.94 | <0.5 | 12  | 48   | 60  | 1.94  | <10 | 1   | 0.16  |

| SAMPLE  | La  | Mg    | Mn   | Mo  | Na   | Ni  | P    | Pb  | S    | Sb  | Sc  | Sr  | Th  | Ti    | Tl  | U   | V   | W   | Zn  | Au    | Pt     | Pd     | Au (FA) |
|---------|-----|-------|------|-----|------|-----|------|-----|------|-----|-----|-----|-----|-------|-----|-----|-----|-----|-----|-------|--------|--------|---------|
|         | ppm | %     | ppm  | ppm | %    | ppm | ppm  | ppm | %    | ppm | ppm | ppm | ppm | %     | ppm | ppm | ppm | ppm | ppm | ppm   | ppm    | ppm    | ppm     |
| H098001 | 10  | 0.57  | 231  | 1   | 0.11 | 10  | 340  | <2  | 0.03 | <2  | 1   | 24  | <20 | 0.12  | <10 | <10 | 27  | <10 | 101 |       |        |        | <0.005  |
| H098002 | 10  | 4.23  | 1690 | 1   | 0.04 | 460 | 460  | 5   | 0.05 | <2  | 9   | 226 | <20 | <0.01 | <10 | <10 | 25  | <10 | 113 |       |        |        | <0.005  |
| H098003 | <10 | 0.57  | 132  | 1   | 0.08 | 10  | 320  | <2  | 0.10 | <2  | 1   | 23  | <20 | 0.12  | <10 | <10 | 30  | <10 | 21  |       |        |        | <0.005  |
| H098004 | 10  | 0.49  | 177  | 1   | 0.06 | 8   | 390  | <2  | 0.03 | <2  | 1   | 25  | <20 | 0.08  | <10 | <10 | 13  | <10 | 45  |       |        |        | <0.005  |
| H098005 | <10 | 0.44  | 131  | 2   | 0.06 | 8   | 350  | <2  | 0.02 | <2  | 1   | 10  | <20 | 0.14  | <10 | <10 | 27  | <10 | 35  |       |        |        | <0.005  |
| H098006 | <10 | 1.65  | 1755 | <1  | 0.05 | 72  | 250  | 4   | 0.41 | <2  | 5   | 22  | <20 | 0.17  | <10 | <10 | 69  | <10 | 58  | 0.004 | 0.010  | 0.006  |         |
| H098007 | 10  | 2.03  | 398  | 1   | 0.06 | 132 | 850  | 3   | 0.04 | <2  | 2   | 31  | <20 | 0.16  | <10 | <10 | 51  | <10 | 66  |       |        |        | <0.005  |
| H098008 | 10  | 0.44  | 178  | 4   | 0.08 | 9   | 270  | 2   | 0.22 | <2  | 1   | 11  | <20 | 0.10  | <10 | <10 | 22  | <10 | 32  | 0.003 | <0.005 | <0.001 |         |
| H098009 | 10  | 0.46  | 184  | 3   | 0.08 | 8   | 290  | 2   | 0.17 | <2  | 2   | 11  | <20 | 0.11  | <10 | <10 | 23  | <10 | 34  |       |        |        | <0.005  |
| H098010 | 10  | 1.93  | 289  | <1  | 0.08 | 135 | 900  | 2   | 0.04 | <2  | 2   | 23  | <20 | 0.18  | <10 | <10 | 58  | 10  | 47  | 0.002 | <0.005 | 0.001  |         |
| H098011 | 10  | 1.04  | 187  | 1   | 0.09 | 69  | 530  | 7   | 0.03 | <2  | 2   | 24  | <20 | 0.11  | <10 | <10 | 34  | <10 | 33  | 0.003 | <0.005 | 0.001  |         |
| H098012 | <10 | 0.12  | 167  | <1  | 0.07 | 5   | 90   | 6   | 0.02 | <2  | <1  | 18  | <20 | 0.02  | <10 | <10 | 3   | <10 | 27  |       |        |        | <0.005  |
| H098013 | <10 | 0.02  | 62   | <1  | 0.07 | 7   | 60   | 5   | 0.02 | <2  | <1  | 12  | <20 | <0.01 | <10 | <10 | 1   | <10 | 5   |       |        |        | <0.005  |
| H098014 | 10  | 0.16  | 135  | <1  | 0.08 | 4   | 210  | 4   | 0.02 | <2  | <1  | 22  | <20 | 0.02  | <10 | <10 | 7   | <10 | 40  |       |        |        | <0.005  |
| H098015 | 10  | 0.21  | 115  | <1  | 0.08 | 4   | 190  | 4   | 0.02 | <2  | <1  | 27  | <20 | 0.04  | <10 | <10 | 7   | <10 | 30  |       |        |        | <0.005  |
| H098016 | 10  | 0.21  | 162  | <1  | 0.08 | 4   | 170  | 4   | 0.03 | <2  | <1  | 26  | <20 | 0.04  | <10 | <10 | 6   | <10 | 30  |       |        |        | <0.005  |
| H098017 | 10  | 0.19  | 169  | <1  | 0.09 | 3   | 140  | 3   | 0.03 | <2  | <1  | 29  | <20 | 0.04  | <10 | <10 | 7   | <10 | 27  |       |        |        | <0.005  |
| H098018 | <10 | 0.05  | 54   | <1  | 0.07 | 2   | 20   | 5   | 0.02 | <2  | <1  | 15  | <20 | 0.01  | <10 | <10 | 3   | <10 | 13  |       |        |        | <0.005  |
| H098019 | <10 | 0.01  | 47   | <1  | 0.07 | 2   | 10   | 6   | 0.02 | <2  | <1  | 7   | <20 | <0.01 | <10 | <10 | 3   | <10 | 9   |       |        |        | <0.005  |
| H098020 | <10 | 2.06  | 1340 | 1   | 0.08 | 20  | 430  | 2   | 0.09 | <2  | 25  | 49  | <20 | <0.01 | <10 | <10 | 36  | <10 | 97  |       |        |        | 0.005   |
| H098021 | 20  | 0.46  | 259  | 1   | 0.06 | 9   | 310  | <2  | 0.03 | <2  | 1   | 28  | <20 | 0.09  | <10 | <10 | 19  | <10 | 31  |       |        |        | <0.005  |
| H098022 | 10  | 0.35  | 173  | <1  | 0.07 | 9   | 320  | 7   | 0.02 | <2  | 1   | 64  | <20 | 0.05  | <10 | <10 | 14  | <10 | 25  |       |        |        | <0.005  |
| H098023 | 10  | 0.29  | 189  | <1  | 0.08 | 12  | 320  | 10  | 0.04 | <2  | 1   | 44  | <20 | 0.06  | <10 | <10 | 13  | <10 | 38  |       |        |        | <0.005  |
| H098024 | 10  | 0.34  | 172  | <1  | 0.08 | 8   | 320  | 6   | 0.03 | <2  | 1   | 55  | <20 | 0.07  | <10 | <10 | 15  | <10 | 29  |       |        |        | <0.005  |
| H098025 | <10 | 13.20 | 1495 | <1  | 0.03 | 665 | 70   | <2  | 0.03 | <2  | 7   | 11  | <20 | <0.01 | <10 | <10 | 21  | <10 | 28  |       |        |        | <0.005  |
| H098026 | 10  | 1.04  | 200  | <1  | 0.09 | 12  | 510  | <2  | 0.04 | <2  | 2   | 21  | <20 | 0.17  | <10 | <10 | 44  | <10 | 46  |       |        |        | <0.005  |
| H098027 | 10  | 0.92  | 175  | <1  | 0.07 | 18  | 430  | 3   | 0.07 | <2  | 2   | 19  | <20 | 0.20  | <10 | <10 | 39  | <10 | 25  |       |        |        | <0.005  |
| H098028 | 10  | 1.52  | 297  | <1  | 0.04 | 134 | 920  | <2  | 0.03 | <2  | 2   | 86  | <20 | 0.15  | <10 | <10 | 34  | <10 | 40  |       |        |        | <0.005  |
| H098029 | 10  | 2.10  | 397  | <1  | 0.03 | 239 | 470  | 5   | 0.03 | 2   | 1   | 6   | <20 | 0.17  | <10 | <10 | 53  | <10 | 92  |       |        |        | <0.005  |
| H098030 | 10  | 1.26  | 220  | <1  | 0.12 | 63  | 490  | 2   | 0.14 | <2  | 3   | 13  | <20 | 0.18  | <10 | <10 | 73  | <10 | 38  | 0.003 | <0.005 | 0.001  |         |
| H098031 | 10  | 0.68  | 253  | <1  | 0.17 | 13  | 460  | 2   | 0.04 | <2  | 5   | 9   | <20 | 0.09  | <10 | <10 | 54  | <10 | 14  | 0.002 | <0.005 | <0.001 |         |
| H098032 | <10 | 0.58  | 137  | <1  | 0.09 | 12  | 620  | 3   | 0.03 | <2  | 3   | 10  | <20 | 0.11  | <10 | <10 | 34  | <10 | 14  | 0.002 | <0.005 | <0.001 |         |
| H098033 | <10 | 0.55  | 109  | <1  | 0.07 | 11  | 340  | <2  | 0.03 | <2  | 2   | 10  | <20 | 0.08  | <10 | <10 | 31  | <10 | 17  |       |        |        | <0.005  |
| H098034 | 10  | 1.91  | 361  | <1  | 0.11 | 27  | 550  | 2   | 0.12 | <2  | 4   | 12  | <20 | 0.22  | <10 | <10 | 80  | <10 | 51  | 0.003 | <0.005 | <0.001 |         |
| H098035 | 20  | 0.59  | 825  | <1  | 0.10 | 20  | 1450 | 2   | 0.09 | <2  | 4   | 30  | <20 | 0.34  | <10 | <10 | 28  | <10 | 122 | 0.003 | <0.005 | <0.001 |         |
| H098036 | 10  | 0.76  | 453  | <1  | 0.13 | 74  | 890  | <2  | 0.04 | <2  | 6   | 36  | <20 | 0.18  | <10 | <10 | 113 | <10 | 56  |       |        |        | 0.009   |
| H098037 | 10  | 2.78  | 301  | <1  | 0.03 | 270 | 600  | <2  | 0.03 | <2  | 1   | 12  | <20 | 0.14  | <10 | <10 | 53  | <10 | 50  |       |        |        | <0.005  |
| H098038 | <10 | 0.54  | 399  | 1   | 0.12 | 28  | 200  | <2  | 0.05 | <2  | 6   | 5   | <20 | 0.14  | <10 | <10 | 48  | <10 | 22  |       |        |        | <0.005  |



| SAMPLE  | Descriptions                    | Northing | Easting | Ag   | Al   | As  | B   | Ba  | Be   | Bi | Ca   | Cd   | Co | Cr   | Cu  | Fe   | Ga  | Hg | K     |
|---------|---------------------------------|----------|---------|------|------|-----|-----|-----|------|----|------|------|----|------|-----|------|-----|----|-------|
| H098039 | mafic tuff                      | 5424771  | 446535  | <0.2 | 0.96 | <2  | <10 | 10  | <0.5 | <2 | 0.96 | <0.5 | 9  | 32   | 29  | 1.22 | <10 | <1 | 0.04  |
| H098040 | QV                              | 5424773  | 446650  | <0.2 | 1.32 | <2  | <10 | <10 | <0.5 | <2 | 0.55 | <0.5 | 13 | 31   | 50  | 2.01 | <10 | <1 | 0.01  |
| H098041 | strained pillows                | 5424790  | 446748  | <0.2 | 1.22 | 2   | <10 | 20  | <0.5 | <2 | 0.72 | <0.5 | 11 | 76   | 37  | 1.85 | <10 | 1  | 0.05  |
| H098042 | aplite                          | 5424790  | 446748  | 0.4  | 1.67 | 2   | 10  | 50  | <0.5 | <2 | 0.95 | <0.5 | 9  | 13   | 49  | 2.22 | 10  | <1 | 0.06  |
| H098043 | QV                              | 5424790  | 446748  | <0.2 | 0.36 | <2  | <10 | 20  | <0.5 | <2 | 0.17 | <0.5 | 3  | 16   | 30  | 0.59 | <10 | <1 | 0.04  |
| H098044 | diorite                         | 5424889  | 446899  | <0.2 | 0.81 | <2  | <10 | 10  | <0.5 | <2 | 0.83 | <0.5 | 10 | 158  | 20  | 1.29 | <10 | <1 | 0.05  |
| H098045 | diorite - basalt contact        | 5424889  | 446899  | <0.2 | 1.06 | <2  | <10 | 10  | <0.5 | <2 | 0.45 | <0.5 | 16 | 350  | 13  | 1.65 | <10 | 2  | 0.04  |
| H098046 | diabase                         | 5425082  | 447151  | <0.2 | 1.03 | 2   | <10 | 80  | <0.5 | <2 | 0.79 | <0.5 | 11 | 122  | 15  | 2.19 | <10 | <1 | 0.61  |
| H098047 | diorite                         | 5425185  | 447376  | <0.2 | 1.12 | <2  | <10 | 90  | <0.5 | 2  | 0.79 | <0.5 | 11 | 109  | 84  | 2.03 | 10  | 1  | 0.62  |
| H098048 | aplite                          | 5425276  | 447525  | <0.2 | 0.76 | <2  | <10 | 80  | <0.5 | 2  | 0.59 | <0.5 | 7  | 50   | 56  | 1.53 | <10 | <1 | 0.53  |
| H098049 | sheared aplite in diorite       | 5425306  | 447649  | <0.2 | 0.44 | <2  | <10 | 40  | <0.5 | <2 | 0.54 | <0.5 | 4  | 43   | 9   | 0.87 | <10 | 1  | 0.23  |
| H098050 | B - rusty bst + silc-py         | 5425193  | 447039  | 0.2  | 0.70 | 71  | <10 | 20  | <0.5 | <2 | 9.10 | 0.6  | 28 | 62   | 122 | 5.71 | <10 | <1 | 0.01  |
| H098051 | strained pillows                | 5425125  | 446996  | <0.2 | 3.18 | <2  | <10 | 130 | <0.5 | <2 | 0.17 | <0.5 | 34 | 823  | 2   | 3.03 | 10  | <1 | 0.97  |
| H098052 | QV                              | 5425125  | 446996  | <0.2 | 0.31 | 2   | <10 | 20  | <0.5 | <2 | 0.27 | <0.5 | 2  | 20   | 32  | 0.43 | <10 | 1  | 0.04  |
| H098053 | porphyritic syenogranite        | 5422196  | 444982  | <0.2 | 0.63 | <2  | <10 | 40  | <0.5 | <2 | 0.22 | <0.5 | 4  | 24   | 3   | 0.91 | <10 | 1  | 0.34  |
| H098055 | monzogranite                    | 5421012  | 444834  | 0.2  | 0.25 | <2  | <10 | 20  | <0.5 | <2 | 0.05 | <0.5 | <1 | 6    | 4   | 0.61 | <10 | <1 | 0.10  |
| H098056 | B - rusty arkose +silc-calc-ank | 5420949  | 444639  | <0.2 | 1.75 | 170 | <10 | 10  | <0.5 | <2 | 1.84 | 0.5  | 78 | 1530 | 179 | 6.52 | <10 | <1 | <0.01 |
| H098057 | monzogranite                    | 5418958  | 444258  | <0.2 | 0.36 | 2   | <10 | 40  | <0.5 | <2 | 0.11 | <0.5 | 2  | 18   | 4   | 0.61 | <10 | <1 | 0.10  |
| H098058 | arkose                          | 5417873  | 443459  | <0.2 | 0.82 | <2  | <10 | 40  | <0.5 | <2 | 0.60 | <0.5 | 6  | 22   | 2   | 1.35 | <10 | <1 | 0.20  |
| H098059 | syenogranite                    | 5417980  | 443573  | <0.2 | 0.30 | 2   | <10 | 20  | <0.5 | <2 | 0.08 | <0.5 | 1  | 10   | 1   | 0.61 | <10 | <1 | 0.09  |
| H098060 | greywacke                       | 5417978  | 442743  | <0.2 | 1.14 | 2   | <10 | 70  | <0.5 | <2 | 0.38 | <0.5 | 7  | 24   | 10  | 1.78 | 10  | <1 | 0.85  |
| H098061 | siltstone with chert            | 5415462  | 443543  | <0.2 | 0.61 | <2  | <10 | 10  | <0.5 | <2 | 1.89 | <0.5 | 15 | 10   | 100 | 1.30 | <10 | 1  | 0.02  |
| H098062 | basalt                          | 5415533  | 443389  | 0.4  | 1.06 | <2  | <10 | 10  | <0.5 | <2 | 1.31 | <0.5 | 14 | 11   | 123 | 2.94 | <10 | <1 | 0.08  |
| H098063 | sheared chl-carb alt bst        | 5415533  | 443389  | 0.2  | 2.20 | 2   | <10 | 20  | <0.5 | <2 | 1.04 | <0.5 | 28 | 420  | 121 | 4.54 | 10  | 1  | 0.06  |
| H098064 | foliated monzogranite           | 5415593  | 443075  | <0.2 | 0.66 | 2   | <10 | 50  | <0.5 | <2 | 0.21 | <0.5 | 4  | 9    | 1   | 1.19 | <10 | <1 | 0.41  |
| H098065 | basalt xenolith                 | 5415549  | 442955  | <0.2 | 0.64 | <2  | <10 | 40  | <0.5 | <2 | 0.22 | <0.5 | 5  | 13   | 6   | 1.40 | <10 | <1 | 0.42  |
| H098066 | pegmatite                       | 5415379  | 442467  | <0.2 | 1.07 | <2  | <10 | 60  | <0.5 | <2 | 0.30 | <0.5 | 8  | 19   | 1   | 1.51 | <10 | <1 | 0.73  |
| H098067 | monzogranite                    | 5415379  | 442467  | <0.2 | 0.04 | <2  | <10 | 10  | <0.5 | <2 | 0.01 | <0.5 | <1 | 11   | 3   | 0.26 | <10 | <1 | 0.03  |
| H098068 | QV                              | 5415240  | 441934  | <0.2 | 0.51 | 3   | <10 | 20  | <0.5 | <2 | 0.17 | <0.5 | 4  | 12   | 4   | 0.89 | <10 | <1 | 0.22  |
| H098069 | foliated monzogranite           | 5414987  | 441358  | <0.2 | 0.59 | <2  | <10 | 20  | <0.5 | <2 | 0.25 | <0.5 | 4  | 12   | 3   | 0.92 | <10 | <1 | 0.05  |
| H098070 | QV                              | 5414987  | 441358  | <0.2 | 0.27 | <2  | <10 | 10  | <0.5 | <2 | 0.07 | <0.5 | 1  | 7    | 5   | 0.57 | <10 | 1  | 0.05  |
| H098071 | aplite                          | 5414987  | 441358  | <0.2 | 0.15 | <2  | <10 | 20  | <0.5 | <2 | 0.05 | <0.5 | <1 | 3    | 4   | 0.53 | <10 | <1 | 0.06  |
| H098072 | monzogranite                    | 5414485  | 440912  | <0.2 | 0.84 | <2  | <10 | 10  | <0.5 | <2 | 0.29 | <0.5 | 8  | 18   | 3   | 1.36 | <10 | <1 | 0.04  |
| H098073 | QV                              | 5414485  | 440912  | <0.2 | 0.02 | <2  | <10 | 10  | <0.5 | <2 | 0.01 | <0.5 | <1 | 5    | 1   | 0.24 | <10 | <1 | 0.01  |
| H098074 | foliated monzogranite           | 5414381  | 439460  | <0.2 | 0.47 | <2  | <10 | 30  | <0.5 | <2 | 0.39 | <0.5 | 3  | 9    | 1   | 0.70 | <10 | <1 | 0.23  |
| H098075 | basalt dike                     | 5414501  | 439294  | <0.2 | 2.49 | <2  | <10 | 290 | <0.5 | <2 | 0.67 | <0.5 | 20 | 2    | 13  | 3.75 | <10 | 1  | 1.89  |
| H098076 | arenite                         | 5414501  | 439294  | <0.2 | 0.41 | <2  | <10 | 40  | <0.5 | <2 | 0.21 | <0.5 | 3  | 7    | 3   | 0.55 | <10 | <1 | 0.20  |
| H098077 | foliated monzogranite           | 5414549  | 439653  | <0.2 | 0.57 | <2  | <10 | 30  | <0.5 | <2 | 0.18 | <0.5 | 4  | 8    | <1  | 0.79 | <10 | <1 | 0.31  |
| H098078 | foliated monzogranite           | 5413917  | 439690  | <0.2 | 0.65 | <2  | <10 | 40  | <0.5 | <2 | 0.21 | <0.5 | 4  | 10   | 7   | 1.04 | <10 | <1 | 0.38  |

| SAMPLE  | La  | Mg    | Mn   | Mo | Na    | Ni  | P    | Pb | S     | Sb | Sc | Sr  | Th  | Ti    | Ti  | U   | V  | W   | Zn  | Au    | Pt     | Pd     | Au (FA) |
|---------|-----|-------|------|----|-------|-----|------|----|-------|----|----|-----|-----|-------|-----|-----|----|-----|-----|-------|--------|--------|---------|
| H098039 | <10 | 0.34  | 244  | 1  | 0.13  | 21  | 190  | <2 | 0.04  | <2 | 5  | 9   | <20 | 0.13  | <10 | <10 | 36 | <10 | 14  |       |        |        | <0.005  |
| H098040 | <10 | 0.97  | 282  | 1  | 0.04  | 24  | 150  | <2 | 0.06  | <2 | 2  | 25  | <20 | 0.10  | <10 | <10 | 38 | <10 | 30  |       |        |        | <0.005  |
| H098041 | <10 | 0.96  | 249  | <1 | 0.08  | 28  | 210  | <2 | 0.03  | <2 | 5  | 11  | <20 | 0.11  | <10 | <10 | 50 | <10 | 18  |       |        |        | <0.005  |
| H098042 | 10  | 0.70  | 240  | 1  | 0.05  | 8   | 390  | 9  | 0.03  | <2 | 2  | 16  | <20 | 0.10  | <10 | <10 | 24 | <10 | 75  |       |        |        | 0.043   |
| H098043 | 10  | 0.18  | 124  | <1 | 0.05  | 6   | 40   | 2  | 0.03  | <2 | 1  | 7   | <20 | 0.03  | <10 | <10 | 10 | <10 | 15  |       |        |        | <0.005  |
| H098044 | 10  | 0.79  | 213  | <1 | 0.07  | 35  | 1310 | 4  | 0.03  | <2 | 3  | 99  | <20 | 0.14  | <10 | <10 | 38 | <10 | 27  |       |        |        | 0.005   |
| H098045 | 10  | 1.30  | 242  | <1 | 0.05  | 126 | 540  | 2  | 0.03  | <2 | 1  | 32  | <20 | 0.12  | <10 | <10 | 34 | <10 | 31  |       |        |        | <0.005  |
| H098046 | 30  | 0.96  | 261  | 1  | 0.09  | 41  | 1620 | 4  | 0.03  | <2 | 2  | 64  | <20 | 0.17  | <10 | <10 | 60 | <10 | 41  | 0.007 | <0.005 | 0.002  |         |
| H098047 | 20  | 1.08  | 320  | <1 | 0.08  | 41  | 1730 | 4  | 0.03  | <2 | 2  | 64  | <20 | 0.16  | <10 | <10 | 55 | <10 | 44  | 0.003 | <0.005 | <0.001 |         |
| H098048 | 20  | 0.62  | 211  | <1 | 0.08  | 23  | 970  | 4  | 0.04  | <2 | 1  | 45  | <20 | 0.11  | <10 | <10 | 38 | <10 | 30  |       |        |        | <0.005  |
| H098049 | 20  | 0.37  | 103  | <1 | 0.06  | 26  | 1320 | 4  | 0.03  | <2 | 1  | 51  | <20 | 0.19  | <10 | <10 | 26 | <10 | 16  |       |        |        | <0.005  |
| H098050 | <10 | 1.85  | 2020 | <1 | 0.07  | 88  | 270  | 4  | 0.10  | <2 | 18 | 62  | <20 | <0.01 | <10 | <10 | 51 | <10 | 97  |       |        |        | <0.005  |
| H098051 | <10 | 3.77  | 482  | <1 | 0.04  | 317 | 60   | <2 | 0.03  | <2 | 1  | 2   | <20 | 0.13  | <10 | <10 | 60 | <10 | 56  |       |        |        | <0.005  |
| H098052 | 10  | 0.16  | 120  | <1 | 0.08  | 9   | 280  | 3  | 0.03  | <2 | <1 | 46  | <20 | 0.05  | <10 | <10 | 10 | <10 | 9   |       |        |        | <0.005  |
| H098053 | 10  | 0.44  | 230  | <1 | 0.07  | 12  | 360  | 7  | 0.03  | <2 | <1 | 52  | <20 | 0.06  | <10 | <10 | 16 | <10 | 35  |       |        |        | <0.005  |
| H098055 | <10 | 0.08  | 85   | 1  | 0.06  | 2   | 110  | 7  | 0.03  | <2 | <1 | 15  | <20 | 0.02  | <10 | <10 | 5  | <10 | 18  |       |        |        | <0.005  |
| H098056 | 10  | 7.72  | 1375 | <1 | 0.03  | 456 | 120  | 3  | 0.04  | <2 | 19 | 50  | <20 | <0.01 | <10 | <10 | 63 | <10 | 60  |       |        |        | 0.010   |
| H098057 | <10 | 0.21  | 167  | 1  | 0.06  | 7   | 170  | 3  | 0.03  | <2 | <1 | 25  | <20 | 0.03  | <10 | <10 | 5  | <10 | 23  |       |        |        | <0.005  |
| H098058 | 10  | 0.65  | 216  | 1  | 0.06  | 12  | 320  | 2  | 0.03  | <2 | 1  | 35  | <20 | 0.10  | <10 | <10 | 21 | <10 | 50  |       |        |        | <0.005  |
| H098059 | <10 | 0.14  | 158  | <1 | 0.06  | 4   | 120  | 2  | 0.03  | <2 | <1 | 20  | <20 | 0.01  | <10 | <10 | 4  | <10 | 28  |       |        |        | <0.005  |
| H098060 | 10  | 0.76  | 408  | <1 | 0.05  | 13  | 350  | <2 | 0.08  | 2  | 2  | 8   | <20 | 0.16  | <10 | <10 | 31 | <10 | 80  |       |        |        | <0.005  |
| H098061 | <10 | 0.29  | 246  | <1 | 0.04  | 31  | 520  | 2  | 0.07  | 4  | 3  | 15  | <20 | 0.23  | <10 | <10 | 36 | <10 | 25  |       |        |        | <0.005  |
| H098062 | <10 | 0.51  | 372  | <1 | 0.14  | 13  | 760  | 33 | 0.11  | <2 | 8  | 4   | <20 | 0.22  | <10 | <10 | 95 | <10 | 159 | 0.003 | <0.005 | 0.001  |         |
| H098063 | 10  | 2.09  | 627  | <1 | 0.03  | 128 | 1520 | 14 | 0.46  | <2 | 4  | 37  | <20 | 0.20  | <10 | <10 | 81 | <10 | 108 |       |        |        | <0.005  |
| H098064 | 10  | 0.39  | 164  | <1 | 0.05  | 5   | 350  | <2 | <0.01 | 3  | <1 | 22  | <20 | 0.10  | <10 | <10 | 19 | <10 | 44  |       |        |        | <0.005  |
| H098065 | 10  | 0.40  | 300  | <1 | 0.05  | 6   | 270  | 2  | 0.01  | 2  | 1  | 14  | <20 | 0.09  | <10 | <10 | 20 | <10 | 51  |       |        |        | <0.005  |
| H098066 | 10  | 0.82  | 267  | <1 | 0.05  | 20  | 540  | <2 | 0.02  | 2  | 1  | 40  | <20 | 0.13  | <10 | <10 | 29 | <10 | 59  |       |        |        | <0.005  |
| H098067 | <10 | 0.03  | 46   | <1 | 0.01  | <1  | 20   | <2 | <0.01 | 2  | <1 | 2   | <20 | <0.01 | <10 | <10 | 1  | <10 | 3   |       |        |        | <0.005  |
| H098068 | 10  | 0.35  | 140  | <1 | 0.04  | 7   | 270  | 2  | 0.01  | <2 | <1 | 23  | <20 | 0.06  | <10 | <10 | 14 | <10 | 41  |       |        |        | <0.005  |
| H098069 | 10  | 0.47  | 177  | <1 | 0.03  | 8   | 380  | 2  | <0.01 | <2 | 1  | 37  | <20 | 0.07  | <10 | <10 | 12 | <10 | 41  |       |        |        | <0.005  |
| H098070 | <10 | 0.21  | 80   | <1 | 0.02  | 3   | 170  | <2 | <0.01 | <2 | <1 | 10  | <20 | 0.02  | <10 | <10 | 7  | <10 | 15  |       |        |        | <0.005  |
| H098071 | <10 | 0.01  | 47   | 1  | 0.03  | <1  | 70   | 3  | <0.01 | <2 | <1 | 7   | <20 | 0.01  | <10 | <10 | <1 | <10 | 11  |       |        |        | <0.005  |
| H098072 | 10  | 0.83  | 259  | <1 | 0.03  | 19  | 560  | <2 | <0.01 | <2 | <1 | 40  | <20 | 0.07  | <10 | <10 | 17 | <10 | 57  |       |        |        | <0.005  |
| H098073 | <10 | <0.01 | 32   | <1 | <0.01 | <1  | 10   | <2 | <0.01 | <2 | <1 | 3   | <20 | <0.01 | <10 | <10 | 1  | <10 | <2  |       |        |        | <0.005  |
| H098074 | 10  | 0.33  | 127  | <1 | 0.03  | 6   | 290  | 2  | 0.01  | <2 | <1 | 31  | <20 | 0.04  | <10 | <10 | 5  | <10 | 28  |       |        |        | <0.005  |
| H098075 | 20  | 2.06  | 561  | <1 | 0.02  | 9   | 2210 | 5  | 0.14  | <2 | 1  | 103 | <20 | 0.22  | <10 | <10 | 63 | <10 | 108 |       |        |        | <0.005  |
| H098076 | 10  | 0.23  | 92   | 1  | 0.03  | 4   | 320  | 2  | <0.01 | <2 | <1 | 37  | <20 | 0.06  | <10 | <10 | 5  | <10 | 32  |       |        |        | <0.005  |
| H098077 | 10  | 0.32  | 121  | <1 | 0.04  | 6   | 320  | <2 | <0.01 | <2 | <1 | 27  | <20 | 0.06  | <10 | <10 | 7  | <10 | 34  |       |        |        | <0.005  |
| H098078 | 10  | 0.43  | 164  | <1 | 0.04  | 7   | 340  | <2 | <0.01 | <2 | <1 | 25  | <20 | 0.08  | <10 | <10 | 15 | <10 | 50  |       |        |        | <0.005  |

| SAMPLE  | Descriptions                  | Northing | Easting | Ag   | Al   | As   | B   | Ba  | Be   | Bi | Ca   | Cd   | Co | Cr   | Cu  | Fe   | Ga  | Hg | K     |
|---------|-------------------------------|----------|---------|------|------|------|-----|-----|------|----|------|------|----|------|-----|------|-----|----|-------|
| H098079 | QV                            | 5413917  | 439690  | <0.2 | 0.13 | <2   | <10 | 10  | <0.5 | <2 | 0.05 | <0.5 | 1  | 12   | 2   | 0.36 | <10 | <1 | 0.08  |
| H098080 | foliated monzogranite         | 5413802  | 439395  | <0.2 | 0.52 | <2   | <10 | 30  | <0.5 | <2 | 0.17 | <0.5 | 3  | 10   | 3   | 0.87 | <10 | <1 | 0.25  |
| H098081 | QV                            | 5413802  | 439395  | <0.2 | 0.04 | <2   | <10 | <10 | <0.5 | <2 | 0.02 | <0.5 | <1 | 11   | 3   | 0.28 | <10 | <1 | 0.02  |
| H098082 | arenite                       | 5414994  | 439146  | <0.2 | 0.47 | 2    | <10 | 60  | <0.5 | <2 | 0.18 | <0.5 | 2  | 6    | 3   | 0.70 | <10 | <1 | 0.17  |
| H098083 | monzogranite                  | 5413803  | 441589  | <0.2 | 1.01 | 2    | <10 | 60  | <0.5 | <2 | 0.24 | <0.5 | 7  | 25   | 12  | 1.46 | <10 | <1 | 0.62  |
| H098084 | aplite                        | 5413803  | 441589  | <0.2 | 0.25 | <2   | <10 | 20  | <0.5 | <2 | 0.06 | <0.5 | <1 | 4    | 6   | 0.73 | <10 | <1 | 0.11  |
| H098085 | pegmatite                     | 5413803  | 441589  | 0.2  | 0.28 | <2   | <10 | 10  | <0.5 | <2 | 0.13 | <0.5 | <1 | 5    | 25  | 0.46 | <10 | <1 | 0.10  |
| H098086 | QV                            | 5413803  | 441589  | <0.2 | 0.03 | <2   | <10 | <10 | <0.5 | <2 | 0.01 | <0.5 | <1 | 8    | 1   | 0.37 | <10 | <1 | 0.01  |
| H098087 | foliated monzogranite         | 5413434  | 442322  | 0.2  | 1.27 | 4    | <10 | 140 | <0.5 | <2 | 0.36 | <0.5 | 8  | 24   | 6   | 1.68 | <10 | <1 | 0.75  |
| H098088 | foliated monzogranite         | 5413063  | 442603  | <0.2 | 0.95 | <2   | <10 | 80  | <0.5 | <2 | 0.27 | <0.5 | 7  | 15   | 2   | 2.04 | <10 | <1 | 0.59  |
| H098089 | monzogranite                  | 5411344  | 443008  | <0.2 | 0.79 | <2   | <10 | 30  | <0.5 | <2 | 0.31 | <0.5 | 5  | 14   | 8   | 1.65 | <10 | <1 | 0.22  |
| H098090 | B - bst with ank-silc-py      | 5414136  | 440620  | 0.2  | 0.27 | 49   | <10 | 30  | <0.5 | <2 | 7.61 | <0.5 | 34 | 53   | 41  | 8.50 | <10 | 1  | 0.05  |
| H098092 | monzogranite                  | 5414785  | 441711  | <0.2 | 0.81 | <2   | <10 | 40  | <0.5 | 2  | 0.39 | <0.5 | 6  | 16   | 6   | 1.41 | 10  | <1 | 0.36  |
| H098098 | monzogranite                  | 5415386  | 442010  | <0.2 | 0.82 | <2   | <10 | 70  | <0.5 | <2 | 0.35 | <0.5 | 5  | 11   | 2   | 1.21 | <10 | <1 | 0.39  |
| H098099 | B - rusty bst + silc-fuch-chl | 5415351  | 441979  | <0.2 | 0.90 | 55   | <10 | 120 | 0.6  | <2 | 9.08 | <0.5 | 27 | 377  | 98  | 4.43 | <10 | <1 | 0.06  |
| H098100 | monzogranite                  | 5415400  | 441740  | <0.2 | 0.82 | <2   | <10 | 50  | <0.5 | <2 | 0.40 | <0.5 | 5  | 13   | 2   | 1.12 | <10 | <1 | 0.44  |
| H098101 | QV                            | 5415400  | 441740  | <0.2 | 0.02 | <2   | <10 | <10 | <0.5 | <2 | 0.01 | <0.5 | <1 | 11   | 1   | 0.27 | <10 | <1 | <0.01 |
| H098102 | monzogranite                  | 5415129  | 441882  | <0.2 | 0.89 | <2   | <10 | 40  | <0.5 | <2 | 0.36 | <0.5 | 8  | 16   | 8   | 1.34 | <10 | <1 | 0.07  |
| H098103 | aplite                        | 5415129  | 441882  | <0.2 | 0.18 | <2   | <10 | 30  | <0.5 | <2 | 0.05 | <0.5 | <1 | 7    | 9   | 0.58 | <10 | <1 | 0.07  |
| H098104 | QV                            | 5415129  | 441882  | <0.2 | 0.19 | 4    | <10 | 30  | <0.5 | <2 | 0.16 | <0.5 | 1  | 10   | 3   | 0.44 | <10 | <1 | 0.04  |
| H098105 | greywacke                     | 5416075  | 443107  | <0.2 | 0.98 | 3    | <10 | 70  | <0.5 | <2 | 0.43 | <0.5 | 6  | 12   | 4   | 2.03 | <10 | 1  | 0.66  |
| H098106 | arenite                       | 5416043  | 443001  | <0.2 | 0.66 | <2   | <10 | 110 | <0.5 | <2 | 0.17 | <0.5 | 3  | 9    | 2   | 1.09 | <10 | <1 | 0.39  |
| H098107 | QV                            | 5416043  | 443001  | <0.2 | 0.27 | <2   | <10 | 30  | <0.5 | <2 | 0.10 | <0.5 | 1  | 13   | 2   | 0.60 | <10 | <1 | 0.11  |
| H098108 | foliated gabbro               | 5416103  | 442606  | <0.2 | 0.84 | <2   | <10 | 10  | <0.5 | <2 | 1.14 | <0.5 | 8  | 26   | 200 | 2.29 | <10 | <1 | 0.04  |
| H098109 | foliated greywacke            | 5416106  | 442557  | 0.2  | 1.37 | <2   | <10 | 10  | <0.5 | <2 | 1.12 | <0.5 | 11 | 16   | 67  | 2.99 | <10 | <1 | 0.06  |
| H098110 | foliated greywacke            | 5416011  | 442618  | 0.3  | 0.78 | 4    | <10 | 80  | <0.5 | <2 | 0.15 | <0.5 | 3  | 13   | 4   | 1.62 | <10 | <1 | 0.43  |
| H098111 | foliated pillows              | 5415937  | 442647  | <0.2 | 0.58 | <2   | <10 | 10  | <0.5 | <2 | 1.23 | <0.5 | 18 | 7    | 152 | 1.35 | <10 | <1 | 0.02  |
| H098112 | B- rusty sed + silc           | 5417949  | 443266  | <0.2 | 1.35 | 1080 | <10 | 20  | <0.5 | <2 | 1.30 | <0.5 | 81 | 1485 | 7   | 6.17 | <10 | 1  | <0.01 |
| H098113 | greywacke                     | 5417949  | 443266  | <0.2 | 1.64 | 5    | <10 | 10  | <0.5 | <2 | 1.20 | <0.5 | 17 | 8    | 81  | 3.77 | <10 | <1 | 0.05  |
| H098114 | chert                         | 5415892  | 442728  | <0.2 | 0.77 | 2    | <10 | 100 | <0.5 | <2 | 0.20 | <0.5 | 6  | 14   | 10  | 1.63 | <10 | <1 | 0.30  |
| H098115 | monzogranite                  | 5415892  | 442728  | <0.2 | 0.56 | 2    | <10 | 50  | <0.5 | <2 | 0.36 | <0.5 | 7  | 16   | 58  | 1.28 | <10 | <1 | 0.11  |
| H098116 | greywacke                     | 5416049  | 442326  | <0.2 | 0.10 | <2   | <10 | 10  | <0.5 | <2 | 0.06 | <0.5 | 2  | 11   | 9   | 0.42 | <10 | <1 | 0.02  |
| H098117 | felsic dike                   | 5416106  | 442054  | <0.2 | 0.94 | <2   | <10 | 170 | <0.5 | <2 | 0.26 | <0.5 | 7  | 28   | 4   | 1.49 | <10 | <1 | 0.59  |
| H098118 | foliated monzogranite         | 5416155  | 441907  | <0.2 | 1.04 | <2   | <10 | 120 | <0.5 | <2 | 0.34 | <0.5 | 9  | 15   | 20  | 1.63 | <10 | <1 | 0.58  |
| H098119 | basalt dike                   | 5416155  | 441907  | 0.2  | 1.10 | <2   | <10 | 40  | <0.5 | <2 | 1.08 | <0.5 | 15 | 10   | 61  | 3.58 | <10 | <1 | 0.17  |
| H098120 | felsic dike                   | 5416155  | 441907  | <0.2 | 0.74 | <2   | <10 | 40  | <0.5 | <2 | 0.20 | <0.5 | 5  | 8    | 14  | 1.38 | <10 | <1 | 0.42  |
| H098121 | basalt                        | 5416155  | 441907  | <0.2 | 1.42 | <2   | <10 | 10  | <0.5 | <2 | 1.77 | <0.5 | 21 | 28   | 102 | 3.62 | 10  | <1 | 0.09  |
| H098122 | basalt + tr. py               | 5416810  | 441125  | <0.2 | 3.89 | 2    | <10 | 50  | <0.5 | <2 | 1.05 | <0.5 | 25 | 60   | 1   | 6.88 | 10  | <1 | 0.28  |
| H098123 | QV                            | 5416810  | 441125  | 0.2  | 0.05 | <2   | <10 | <10 | <0.5 | <2 | 0.02 | <0.5 | 1  | 18   | 18  | 0.80 | <10 | <1 | 0.01  |

| SAMPLE  | La  | Mg   | Mn   | Mo | Na    | Ni  | P    | Pb | S     | Sb | Sc | Sr  | Th  | Ti    | Tl  | U   | V   | W   | Zn  | Au    | Pt     | Pd     | Au (FA) |
|---------|-----|------|------|----|-------|-----|------|----|-------|----|----|-----|-----|-------|-----|-----|-----|-----|-----|-------|--------|--------|---------|
| H098079 | <10 | 0.08 | 47   | <1 | 0.01  | 1   | 80   | <2 | <0.01 | <2 | <1 | 6   | <20 | 0.02  | <10 | <10 | 3   | <10 | 8   |       |        |        | <0.005  |
| H098080 | <10 | 0.31 | 111  | <1 | 0.04  | 6   | 280  | <2 | <0.01 | <2 | <1 | 24  | <20 | 0.06  | <10 | <10 | 10  | <10 | 42  |       |        |        | <0.005  |
| H098081 | <10 | 0.01 | 40   | <1 | <0.01 | <1  | 30   | <2 | <0.01 | <2 | <1 | 3   | <20 | <0.01 | <10 | <10 | 1   | <10 | 4   |       |        |        | <0.005  |
| H098082 | 10  | 0.20 | 107  | <1 | 0.04  | 3   | 290  | 2  | <0.01 | <2 | <1 | 35  | <20 | 0.04  | <10 | <10 | 5   | <10 | 29  |       |        |        | <0.005  |
| H098083 | <10 | 0.69 | 245  | <1 | 0.07  | 21  | 390  | 3  | 0.01  | <2 | 1  | 31  | <20 | 0.11  | <10 | <10 | 28  | <10 | 57  |       |        |        | <0.005  |
| H098084 | 10  | 0.05 | 63   | <1 | 0.05  | <1  | 80   | 4  | <0.01 | <2 | <1 | 12  | 20  | 0.01  | <10 | <10 | 6   | <10 | 14  |       |        |        | <0.005  |
| H098085 | <10 | 0.06 | 46   | <1 | 0.04  | 1   | 40   | 15 | <0.01 | <2 | <1 | 31  | <20 | 0.01  | <10 | <10 | 3   | <10 | 14  |       |        |        | <0.005  |
| H098086 | <10 | 0.01 | 43   | <1 | <0.01 | <1  | 20   | <2 | <0.01 | <2 | <1 | 3   | <20 | <0.01 | <10 | <10 | 1   | <10 | <2  |       |        |        | <0.005  |
| H098087 | 10  | 0.96 | 273  | <1 | 0.06  | 27  | 570  | 3  | 0.01  | <2 | 1  | 55  | <20 | 0.14  | <10 | <10 | 30  | <10 | 67  |       |        |        | <0.005  |
| H098088 | <10 | 0.61 | 258  | <1 | 0.08  | 9   | 440  | 2  | <0.01 | <2 | 1  | 23  | <20 | 0.15  | <10 | <10 | 37  | <10 | 56  |       |        |        | <0.005  |
| H098089 | 10  | 0.55 | 262  | <1 | 0.06  | 8   | 380  | <2 | <0.01 | <2 | 1  | 25  | <20 | 0.10  | <10 | <10 | 28  | <10 | 51  |       |        |        | <0.005  |
| H098090 | <10 | 2.72 | 2810 | <1 | 0.07  | 249 | 190  | 2  | 0.01  | <2 | 17 | 128 | <20 | <0.01 | <10 | <10 | 38  | <10 | 71  |       |        |        | <0.005  |
| H098092 | 10  | 0.56 | 213  | <1 | 0.08  | 10  | 420  | 5  | <0.01 | <2 | 1  | 57  | <20 | 0.10  | <10 | <10 | 25  | <10 | 56  |       |        |        | <0.005  |
| H098098 | 10  | 0.46 | 203  | <1 | 0.09  | 7   | 330  | 2  | 0.01  | <2 | 1  | 51  | <20 | 0.11  | <10 | <10 | 18  | <10 | 46  |       |        |        | <0.005  |
| H098099 | 140 | 4.89 | 1260 | <1 | 0.04  | 317 | 7070 | 11 | 0.03  | <2 | 7  | 736 | 40  | <0.01 | <10 | <10 | 25  | <10 | 104 |       |        |        | <0.005  |
| H098100 | 10  | 0.48 | 200  | <1 | 0.09  | 9   | 370  | <2 | 0.01  | <2 | 1  | 54  | <20 | 0.11  | <10 | <10 | 15  | <10 | 50  |       |        |        | <0.005  |
| H098101 | <10 | 0.01 | 32   | <1 | <0.01 | 1   | 10   | <2 | <0.01 | <2 | <1 | 1   | <20 | <0.01 | <10 | <10 | <1  | <10 | <2  |       |        |        | <0.005  |
| H098102 | 10  | 0.81 | 331  | <1 | 0.03  | 16  | 630  | <2 | <0.01 | <2 | 1  | 39  | <20 | 0.07  | <10 | <10 | 20  | <10 | 67  |       |        |        | <0.005  |
| H098103 | 10  | 0.04 | 98   | <1 | 0.03  | 1   | 80   | 2  | <0.01 | <2 | <1 | 7   | <20 | <0.01 | <10 | <10 | 2   | <10 | 8   |       |        |        | <0.005  |
| H098104 | <10 | 0.08 | 72   | <1 | 0.02  | 3   | 430  | 3  | <0.01 | <2 | 1  | 17  | <20 | 0.01  | <10 | <10 | 4   | <10 | 15  |       |        |        | <0.005  |
| H098105 | 10  | 0.48 | 237  | <1 | 0.05  | 7   | 370  | <2 | <0.01 | <2 | 1  | 11  | <20 | 0.13  | <10 | <10 | 23  | <10 | 27  | 0.003 | <0.005 | <0.001 |         |
| H098106 | 10  | 0.30 | 152  | <1 | 0.06  | 3   | 300  | <2 | <0.01 | <2 | 1  | 20  | <20 | 0.08  | <10 | <10 | 13  | <10 | 19  |       |        |        | <0.005  |
| H098107 | <10 | 0.11 | 77   | <1 | 0.03  | 2   | 210  | <2 | <0.01 | <2 | <1 | 10  | <20 | 0.03  | <10 | <10 | 4   | <10 | 9   |       |        |        | <0.005  |
| H098108 | <10 | 0.55 | 241  | <1 | 0.12  | 16  | 470  | <2 | <0.01 | <2 | 8  | 5   | <20 | 0.26  | <10 | <10 | 131 | <10 | 20  |       |        |        | <0.005  |
| H098109 | <10 | 0.71 | 296  | <1 | 0.15  | 13  | 850  | <2 | 0.01  | <2 | 7  | 6   | <20 | 0.15  | <10 | <10 | 73  | <10 | 37  |       |        |        | <0.005  |
| H098110 | 10  | 0.46 | 180  | <1 | 0.04  | 3   | 410  | <2 | 0.06  | <2 | 1  | 12  | <20 | 0.13  | <10 | <10 | 30  | <10 | 27  |       |        |        | 0.010   |
| H098111 | <10 | 0.21 | 272  | <1 | 0.06  | 22  | 500  | <2 | <0.01 | <2 | 4  | 25  | <20 | 0.22  | <10 | <10 | 52  | <10 | 50  |       |        |        | <0.005  |
| H098112 | <10 | 8.81 | 897  | <1 | 0.01  | 706 | 100  | <2 | 0.02  | 5  | 15 | 17  | <20 | <0.01 | <10 | <10 | 48  | <10 | 32  |       |        |        | <0.005  |
| H098113 | 10  | 0.86 | 417  | <1 | 0.13  | 13  | 870  | <2 | 0.02  | <2 | 8  | 19  | <20 | 0.20  | <10 | <10 | 107 | <10 | 51  | 0.003 | <0.005 | 0.002  |         |
| H098114 | 10  | 0.40 | 262  | <1 | 0.06  | 6   | 340  | 3  | <0.01 | <2 | 2  | 12  | <20 | 0.12  | <10 | <10 | 27  | <10 | 52  |       |        |        | <0.005  |
| H098115 | 10  | 0.38 | 153  | 3  | 0.06  | 16  | 380  | 4  | 0.03  | <2 | 1  | 18  | <20 | 0.12  | <10 | <10 | 24  | <10 | 33  |       |        |        | <0.005  |
| H098116 | <10 | 0.06 | 67   | <1 | 0.01  | 4   | 50   | <2 | <0.01 | <2 | <1 | 4   | <20 | 0.01  | <10 | <10 | 3   | <10 | 6   |       |        |        | <0.005  |
| H098117 | 10  | 0.63 | 174  | <1 | 0.06  | 19  | 380  | <2 | <0.01 | <2 | 1  | 26  | <20 | 0.13  | <10 | <10 | 30  | <10 | 34  |       |        |        | <0.005  |
| H098118 | 10  | 0.68 | 227  | <1 | 0.05  | 11  | 450  | <2 | <0.01 | <2 | <1 | 32  | <20 | 0.13  | <10 | <10 | 23  | <10 | 55  |       |        |        | 0.006   |
| H098119 | <10 | 0.68 | 362  | 1  | 0.13  | 13  | 800  | 2  | 0.04  | <2 | 7  | 9   | <20 | 0.23  | <10 | <10 | 113 | <10 | 41  | 0.002 | <0.005 | 0.001  |         |
| H098120 | 10  | 0.38 | 185  | <1 | 0.05  | 5   | 330  | <2 | <0.01 | <2 | 1  | 12  | <20 | 0.10  | <10 | <10 | 17  | <10 | 47  |       |        |        | <0.005  |
| H098121 | <10 | 0.65 | 490  | 1  | 0.18  | 38  | 680  | <2 | 0.13  | <2 | 9  | 15  | <20 | 0.36  | <10 | <10 | 116 | <10 | 57  |       |        |        | <0.005  |
| H098122 | <10 | 3.00 | 654  | <1 | 0.12  | 26  | 530  | <2 | <0.01 | <2 | 10 | 9   | <20 | 0.38  | <10 | <10 | 202 | <10 | 73  |       |        |        | <0.005  |
| H098123 | <10 | 0.03 | 39   | 1  | 0.01  | 5   | 50   | <2 | 0.02  | <2 | <1 | 1   | <20 | 0.01  | <10 | <10 | 4   | <10 | 2   |       |        |        | <0.005  |

| SAMPLE  | Descriptions                     | Northing | Easting | Ag   | Al   | As | B   | Ba  | Be   | Bi | Ca   | Cd   | Co | Cr  | Cu  | Fe    | Ga  | Hg   | K     |
|---------|----------------------------------|----------|---------|------|------|----|-----|-----|------|----|------|------|----|-----|-----|-------|-----|------|-------|
| H098124 | Oxidized Basalt                  | 5416810  | 441125  | <0.2 | 2.63 | <2 | <10 | 50  | <0.5 | <2 | 2.50 | <0.5 | 18 | 31  | 66  | 7.65  | 10  | <1   | 0.28  |
| H098125 | Oxidized Basalt                  | 5416810  | 441125  | <0.2 | 1.96 | <2 | <10 | 180 | <0.5 | <2 | 1.69 | <0.5 | 19 | 35  | 83  | 4.71  | 10  | <1   | 0.22  |
| H098126 | Felsic Dike                      | 5416810  | 441125  | <0.2 | 0.91 | <2 | <10 | 130 | <0.5 | <2 | 0.22 | <0.5 | 7  | 10  | 24  | 1.70  | 10  | <1   | 0.31  |
| H098127 | Gabbro + tr py                   | 5416852  | 440943  | 0.5  | 1.18 | 2  | <10 | 40  | <0.5 | <2 | 1.28 | <0.5 | 18 | 5   | 388 | 4.26  | 10  | <1   | 0.23  |
| H098128 | Gabbro + calcite                 | 5416852  | 440943  | 0.8  | 0.87 | <2 | <10 | 20  | <0.5 | <2 | 1.02 | <0.5 | 15 | 5   | 184 | 5.16  | 10  | <1   | 0.14  |
| H098129 | Arkose                           | 5416852  | 440943  | <0.2 | 3.39 | <2 | <10 | 130 | <0.5 | <2 | 0.87 | <0.5 | 23 | 62  | 23  | 6.58  | 10  | <1   | 0.71  |
| H098130 | B12 - Basalt + 5% py             | 5416852  | 440943  | 0.8  | 1.60 | <2 | <10 | 20  | <0.5 | <2 | 1.29 | <0.5 | 35 | 4   | 160 | 11.95 | 10  | <1   | 0.06  |
| H098131 | Mafic fragmental                 | 5417675  | 441031  | <0.2 | 2.70 | <2 | <10 | 500 | <0.5 | <2 | 0.81 | <0.5 | 25 | 57  | 48  | 7.71  | 10  | <1   | 0.97  |
| H098135 | Syenogranite                     | 5418950  | 443342  | <0.2 | 0.47 | <2 | <10 | 60  | <0.5 | <2 | 0.36 | <0.5 | 2  | 12  | 4   | 0.86  | <10 | <1   | 0.14  |
| H098136 | Sheared Syenogranite             | 5419062  | 443436  | <0.2 | 0.47 | <2 | <10 | 30  | <0.5 | <2 | 0.10 | <0.5 | 4  | 12  | 7   | 0.80  | <10 | <1   | 0.11  |
| H098137 | Bedded meta-Arkose               | 5419151  | 443486  | <0.2 | 2.11 | 2  | <10 | 310 | <0.5 | <2 | 0.12 | <0.5 | 16 | 146 | 20  | 3.61  | 10  | <1   | 1.17  |
| H098138 | Monzogranite                     | 5419164  | 443608  | <0.2 | 0.48 | 2  | <10 | 60  | <0.5 | <2 | 0.20 | <0.5 | 2  | 11  | 2   | 0.75  | <10 | <1   | 0.22  |
| H098139 | Monzogranite                     | 5419571  | 443958  | <0.2 | 0.54 | 2  | <10 | 50  | <0.5 | <2 | 0.16 | <0.5 | 3  | 16  | 3   | 0.83  | <10 | <1   | 0.28  |
| H098140 | Monzogranite                     | 5420193  | 444325  | <0.2 | 0.40 | 2  | <10 | 40  | <0.5 | <2 | 0.28 | <0.5 | 2  | 9   | 1   | 0.62  | <10 | <1   | 0.15  |
| H098170 | basalt + tr py                   | 5417648  | 441182  | <0.2 | 3.32 | <2 | <10 | 20  | <0.5 | 2  | 1.47 | <0.5 | 25 | 38  | 34  | 7.94  | 10  | 1.00 | 0.07  |
| H098171 | meta-basalt + tr py, fracture    | 5417201  | 441330  | <0.2 | 1.98 | 2  | <10 | 90  | <0.5 | <2 | 0.65 | <0.5 | 10 | 4   | 19  | 4.73  | 10  | <1   | 0.12  |
| H098172 | meta-basalt + tr py              | 5417173  | 441420  | <0.2 | 1.71 | <2 | <10 | 40  | <0.5 | <2 | 1.79 | <0.5 | 19 | 48  | 74  | 2.42  | <10 | 1.00 | 0.08  |
| H098173 | foliated monzogranite            | 5416830  | 441870  | <0.2 | 1.44 | <2 | <10 | 50  | <0.5 | <2 | 1.06 | <0.5 | 15 | 30  | 22  | 3.04  | <10 | <1   | 0.27  |
| H098174 | meta-basalt                      | 5416756  | 441640  | <0.2 | 1.34 | <2 | <10 | 100 | <0.5 | 2  | 1.81 | <0.5 | 12 | 3   | 10  | 3.09  | 10  | 1.00 | 0.18  |
| H098175 | meta-basalt + tr py              | 5416908  | 441285  | <0.2 | 1.88 | <2 | <10 | 20  | <0.5 | <2 | 1.53 | <0.5 | 14 | 29  | 27  | 4.17  | 10  | 1.00 | 0.11  |
| H098176 | meta-basalt+3% py-po-cpy         | 5417045  | 440919  | 0.4  | 1.61 | <2 | <10 | 30  | <0.5 | <2 | 1.29 | <0.5 | 20 | 1   | 156 | 5.03  | 10  | <1   | 0.18  |
| H098177 | foliated basalt + QV-felsic dike | 5416359  | 441715  | <0.2 | 1.47 | <2 | <10 | 20  | <0.5 | <2 | 1.62 | <0.5 | 14 | 26  | 93  | 3.48  | <10 | <1   | 0.09  |
| H098178 | foliated monzogranite            | 5416352  | 441769  | <0.2 | 0.64 | <2 | <10 | 30  | <0.5 | <2 | 0.22 | <0.5 | 4  | 9   | 4   | 1.14  | <10 | <1   | 0.08  |
| H098179 | qtz boulders                     | 5416381  | 441811  | <0.2 | 0.01 | <2 | <10 | <10 | <0.5 | <2 | 0.01 | <0.5 | <1 | 9   | 1   | 0.42  | <10 | <1   | <0.01 |
| H098180 | sheared gabbro                   | 5416437  | 441790  | <0.2 | 3.02 | <2 | <10 | 30  | <0.5 | <2 | 1.05 | <0.5 | 30 | 69  | 36  | 5.06  | 10  | <1   | 0.06  |
| H098181 | foliated monzogranite            | 5416197  | 441019  | <0.2 | 3.27 | <2 | <10 | 300 | <0.5 | <2 | 1.72 | <0.5 | 35 | 1   | 29  | 4.32  | 10  | 1    | 0.42  |
| H098182 | foliated monzogranite            | 5416221  | 442566  | <0.2 | 0.52 | 2  | <10 | 50  | <0.5 | 2  | 1.32 | <0.5 | 6  | 14  | 24  | 0.90  | <10 | 1    | 0.28  |
| H098183 | Metagreywacke & felsic dikes     | 5416344  | 442557  | <0.2 | 1.22 | <2 | <10 | 30  | <0.5 | 2  | 1.50 | <0.5 | 13 | 19  | 70  | 3.24  | <10 | 1    | 0.08  |
| H098184 | Metagreywacke + QV               | 5416554  | 442555  | <0.2 | 0.84 | <2 | <10 | 60  | <0.5 | <2 | 0.27 | <0.5 | 6  | 6   | 1   | 1.59  | <10 | 1    | 0.37  |
| H098185 | Metagreywacke + QV               | 5416416  | 442261  | <0.2 | 1.04 | 2  | <10 | 10  | <0.5 | <2 | 0.93 | <0.5 | 9  | 12  | 24  | 2.38  | <10 | 1    | 0.04  |
| H098186 | Felsic dike                      | 5416416  | 442261  | <0.2 | 1.19 | <2 | <10 | 20  | <0.5 | <2 | 1.35 | <0.5 | 11 | 31  | 1   | 2.84  | <10 | 1    | 0.14  |
| H098187 | meta-basalt + tr py              | 5416261  | 442326  | <0.2 | 1.35 | <2 | <10 | 290 | <0.5 | <2 | 0.37 | <0.5 | 8  | 38  | 3   | 2.29  | 10  | 2    | 0.87  |
| H098188 | Felsic dike                      | 5416261  | 442326  | <0.2 | 1.26 | <2 | <10 | 10  | <0.5 | <2 | 0.99 | <0.5 | 19 | 36  | 54  | 2.80  | <10 | 1    | 0.08  |
| H098189 | Metagreywacke + QV               | 5416158  | 442456  | <0.2 | 1.08 | <2 | <10 | 40  | <0.5 | <2 | 0.99 | <0.5 | 10 | 19  | 86  | 2.47  | 10  | 1    | 0.12  |
| H098190 | Silica Alt Basalt                | 5416279  | 441990  | <0.2 | 0.99 | 2  | <10 | 10  | <0.5 | <2 | 1.06 | <0.5 | 10 | 18  | 51  | 2.26  | <10 | 1    | 0.03  |
| H098191 | Basalt                           | 5416282  | 442015  | <0.2 | 0.91 | 2  | <10 | 50  | <0.5 | 3  | 0.79 | <0.5 | 13 | 13  | 152 | 1.71  | <10 | 1    | 0.26  |
| H098192 | Altered Gabbro                   | 5416318  | 442046  | <0.2 | 2.42 | <2 | <10 | 10  | <0.5 | <2 | 0.82 | <0.5 | 24 | 43  | 19  | 4.91  | 10  | 1    | 0.03  |
| H098193 | Silc-carb alt Felsic Dike        | 5416313  | 442075  | <0.2 | 0.42 | <2 | <10 | 10  | <0.5 | 2  | 0.88 | <0.5 | 4  | 22  | 9   | 0.45  | <10 | 1    | 0.02  |
| H098194 | Ch-silc alt basalt + QV          | 5416326  | 442111  | <0.2 | 0.72 | <2 | <10 | 100 | <0.5 | <2 | 0.16 | <0.5 | 5  | 7   | 7   | 1.41  | <10 | 1    | 0.35  |

| SAMPLE  | La  | Mg   | Mn   | Mo | Na   | Ni  | P    | Pb | S     | Sb | Sc | Sr  | Th  | Ti    | Tl  | U   | V   | W   | Zn  | Au     | Pt     | Pd    | Au (FA) |
|---------|-----|------|------|----|------|-----|------|----|-------|----|----|-----|-----|-------|-----|-----|-----|-----|-----|--------|--------|-------|---------|
| H098124 | <10 | 0.75 | 627  | <1 | 0.33 | 15  | 830  | <2 | 0.03  | <2 | 13 | 7   | <20 | 0.16  | <10 | <10 | 133 | <10 | 47  |        |        |       | <0.005  |
| H098125 | <10 | 0.58 | 677  | <1 | 0.22 | 26  | 800  | <2 | 0.06  | <2 | 14 | 10  | <20 | 0.20  | <10 | <10 | 152 | <10 | 45  |        |        |       | <0.005  |
| H098126 | 10  | 0.42 | 176  | <1 | 0.1  | 9   | 390  | <2 | <0.01 | <2 | 1  | 23  | <20 | 0.09  | <10 | <10 | 24  | <10 | 26  |        |        |       | 0.006   |
| H098127 | 10  | 0.77 | 318  | 1  | 0.18 | 11  | 770  | <2 | 0.22  | <2 | 10 | 7   | <20 | 0.26  | <10 | <10 | 143 | <10 | 31  |        |        |       | 0.027   |
| H098128 | 10  | 0.55 | 250  | 1  | 0.13 | 6   | 1150 | <2 | 0.30  | <2 | 8  | 8   | <20 | 0.25  | <10 | <10 | 108 | <10 | 22  |        |        |       | 0.032   |
| H098129 | <10 | 2.54 | 538  | <1 | 0.05 | 45  | 810  | <2 | 0.06  | <2 | 7  | 11  | <20 | 0.42  | <10 | <10 | 219 | <10 | 60  |        |        |       | <0.005  |
| H098130 | <10 | 0.84 | 1730 | <1 | 0.14 | 15  | 680  | <2 | 4.87  | <2 | 8  | 14  | <20 | 0.12  | <10 | <10 | 96  | <10 | 41  |        |        |       | 0.019   |
| H098131 | <10 | 1.47 | 921  | <1 | 0.04 | 41  | 830  | <2 | 0.22  | <2 | 7  | 75  | <20 | 0.35  | <10 | <10 | 227 | <10 | 112 |        |        |       | 0.012   |
| H098135 | 10  | 0.23 | 191  | <1 | 0.08 | 4   | 160  | 3  | <0.01 | <2 | <1 | 45  | <20 | 0.04  | <10 | <10 | 6   | <10 | 25  |        |        |       | <0.005  |
| H098136 | 10  | 0.17 | 165  | <1 | 0.07 | 5   | 140  | 3  | <0.01 | <2 | 1  | 21  | <20 | 0.01  | <10 | <10 | 6   | <10 | 20  |        |        |       | <0.005  |
| H098137 | 20  | 1.19 | 405  | 1  | 0.06 | 39  | 520  | 7  | <0.01 | <2 | 7  | 8   | <20 | 0.19  | <10 | <10 | 73  | <10 | 73  |        |        |       | <0.005  |
| H098138 | 10  | 0.20 | 164  | <1 | 0.09 | 4   | 140  | 4  | <0.01 | <2 | <1 | 42  | <20 | 0.04  | <10 | <10 | 7   | <10 | 29  |        |        |       | <0.005  |
| H098139 | 10  | 0.25 | 161  | <1 | 0.09 | 6   | 180  | 3  | <0.01 | <2 | <1 | 41  | <20 | 0.04  | <10 | <10 | 10  | <10 | 28  |        |        |       | <0.005  |
| H098140 | 10  | 0.15 | 165  | <1 | 0.08 | 3   | 120  | 4  | <0.01 | <2 | <1 | 37  | <20 | 0.03  | <10 | <10 | 4   | <10 | 22  |        |        |       | <0.005  |
| H098170 | 10  | 1.26 | 1395 | <1 | 0.13 | 38  | 820  | <2 | 0.03  | <2 | 12 | 15  | <20 | 0.13  | <10 | <10 | 146 | <10 | 131 |        |        |       | <0.005  |
| H098171 | 10  | 0.97 | 707  | <1 | 0.07 | 7   | 1070 | <2 | 0.02  | <2 | 9  | 14  | <20 | 0.15  | <10 | <10 | 125 | <10 | 102 |        |        |       | 0.005   |
| H098172 | <10 | 1.05 | 484  | <1 | 0.1  | 38  | 210  | <2 | 0.14  | <2 | 6  | 28  | <20 | 0.12  | <10 | <10 | 52  | <10 | 44  |        |        |       | <0.005  |
| H098173 | <10 | 0.98 | 382  | <1 | 0.16 | 33  | 310  | <2 | 0.01  | <2 | 9  | 17  | <20 | 0.19  | <10 | <10 | 88  | <10 | 28  |        |        |       | 0.005   |
| H098174 | 10  | 0.66 | 591  | <1 | 0.17 | 5   | 1060 | <2 | 0.02  | <2 | 11 | 11  | <20 | 0.32  | <10 | <10 | 116 | <10 | 57  |        |        |       | 0.006   |
| H098175 | 10  | 0.81 | 673  | <1 | 0.18 | 14  | 880  | <2 | 0.01  | <2 | 12 | 9   | <20 | 0.17  | <10 | <10 | 126 | <10 | 62  |        |        |       | 0.005   |
| H098176 | <10 | 1.08 | 479  | <1 | 0.13 | 5   | 410  | <2 | 0.10  | <2 | 11 | 12  | <20 | 0.43  | <10 | <10 | 255 | <10 | 36  |        |        |       | 0.034   |
| H098177 | <10 | 0.56 | 487  | <1 | 0.17 | 27  | 580  | <2 | 0.02  | <2 | 7  | 24  | <20 | 0.33  | <10 | <10 | 91  | <10 | 40  |        |        |       | <0.005  |
| H098178 | 10  | 0.40 | 133  | <1 | 0.06 | 7   | 250  | <2 | <0.01 | <2 | 1  | 31  | <20 | 0.05  | <10 | <10 | 14  | <10 | 20  |        |        |       | 0.007   |
| H098179 | <10 | 0.01 | 50   | <1 | 0.01 | 2   | 10   | <2 | <0.01 | <2 | <1 | 1   | <20 | <0.01 | <10 | <10 | 1   | <10 | <2  |        |        |       | <0.005  |
| H098180 | <10 | 2.49 | 649  | <1 | 0.12 | 110 | 500  | <2 | 0.02  | <2 | 5  | 13  | <20 | 0.22  | <10 | <10 | 92  | <10 | 64  |        |        |       | <0.005  |
| H098181 | 10  | 2.80 | 483  | 5  | 0.46 | 16  | 880  | <2 | 0.07  | <2 | 1  | 272 | <20 | 0.07  | <10 | <10 | 56  | <10 | 42  |        |        |       | <0.005  |
| H098182 | 10  | 0.39 | 263  | <1 | 0.04 | 14  | 420  | 2  | 0.23  | <2 | 1  | 34  | <20 | 0.06  | <10 | <10 | 8   | <10 | 40  |        |        |       | <0.005  |
| H098183 | <10 | 0.38 | 537  | <1 | 0.16 | 19  | 760  | <2 | 0.02  | <2 | 8  | 8   | <20 | 0.21  | <10 | <10 | 83  | <10 | 37  |        |        |       | <0.005  |
| H098184 | 10  | 0.43 | 255  | <1 | 0.07 | 5   | 380  | <2 | <0.01 | <2 | 1  | 28  | <20 | 0.13  | <10 | <10 | 22  | <10 | 41  |        |        |       | <0.005  |
| H098185 | <10 | 0.62 | 264  | <1 | 0.11 | 11  | 730  | <2 | <0.01 | <2 | 5  | 4   | <20 | 0.10  | <10 | <10 | 61  | <10 | 32  |        |        |       | <0.005  |
| H098186 | <10 | 0.42 | 549  | <1 | 0.16 | 21  | 930  | <2 | <0.01 | <2 | 11 | 10  | <20 | 0.17  | <10 | <10 | 124 | <10 | 42  |        |        |       | <0.005  |
| H098187 | 10  | 0.84 | 223  | <1 | 0.06 | 18  | 320  | <2 | <0.01 | <2 | 2  | 18  | <20 | 0.13  | <10 | <10 | 38  | <10 | 42  |        |        |       | <0.005  |
| H098188 | <10 | 0.68 | 443  | <1 | 0.08 | 38  | 560  | <2 | 0.01  | <2 | 6  | 20  | <20 | 0.23  | <10 | <10 | 77  | <10 | 52  |        |        |       | 0.012   |
| H098189 | 10  | 0.65 | 389  | <1 | 0.06 | 14  | 380  | <2 | 0.01  | <2 | 2  | 21  | <20 | 0.16  | <10 | <10 | 47  | <10 | 65  |        |        |       | <0.005  |
| H098190 | <10 | 0.50 | 316  | 1  | 0.09 | 18  | 620  | <2 | 0.01  | <2 | 4  | 15  | <20 | 0.22  | <10 | <10 | 52  | <10 | 28  |        |        |       | <0.005  |
| H098191 | 20  | 0.47 | 280  | <1 | 0.05 | 13  | 650  | <2 | 0.13  | <2 | 2  | 15  | <20 | 0.13  | <10 | <10 | 15  | <10 | 64  |        |        |       | 0.007   |
| H098192 | <10 | 1.73 | 568  | <1 | 0.08 | 36  | 550  | <2 | 0.02  | <2 | 5  | 6   | <20 | 0.19  | <10 | <10 | 96  | <10 | 73  | <0.001 | <0.005 | 0.002 |         |
| H098193 | <10 | 0.29 | 105  | <1 | 0.02 | 8   | 110  | <2 | 0.01  | <2 | 3  | 15  | <20 | 0.06  | <10 | <10 | 15  | <10 | 4   |        |        |       | <0.005  |
| H098194 | <10 | 0.35 | 128  | <1 | 0.07 | 1   | 260  | <2 | 0.01  | <2 | 1  | 12  | <20 | 0.10  | <10 | <10 | 20  | <10 | 15  |        |        |       | <0.005  |

| SAMPLE  | Descriptions                       | Northing | Easting | Ag         | Al   | As | B   | Ba  | Be   | Bi | Ca   | Cd   | Co | Cr  | Cu         | Fe   | Ga  | Hg | K     |
|---------|------------------------------------|----------|---------|------------|------|----|-----|-----|------|----|------|------|----|-----|------------|------|-----|----|-------|
| H098195 | Chl alt greywacke                  | 5416326  | 442152  | <0.2       | 2.16 | <2 | <10 | 10  | <0.5 | <2 | 0.86 | <0.5 | 19 | 18  | 31         | 4.60 | 10  | 1  | 0.03  |
| H098196 | Basalt + tr py                     | 5416242  | 442126  | <0.2       | 1.72 | 3  | <10 | 10  | <0.5 | <2 | 0.33 | <0.5 | 17 | 441 | 1          | 2.16 | 10  | 1  | 0.02  |
| H098197 | Alt Diorite                        | 5416197  | 442264  | <0.2       | 3.30 | <2 | <10 | 20  | <0.5 | <2 | 2.90 | <0.5 | 30 | 66  | 5          | 5.84 | 10  | 1  | 0.06  |
| H098198 | Plag physic Basalt                 | 5416214  | 442291  | <0.2       | 0.39 | <2 | <10 | <10 | <0.5 | 2  | 0.77 | <0.5 | 2  | 18  | 14         | 0.37 | <10 | 1  | 0.02  |
| H098199 | felsic dike                        | 5416214  | 442291  | <0.2       | 1.46 | <2 | <10 | 20  | <0.5 | <2 | 1.12 | <0.5 | 13 | 31  | 39         | 2.77 | <10 | 1  | 0.07  |
| H098200 | Gabbro                             | 5416156  | 442333  | <0.2       | 0.84 | <2 | <10 | 50  | <0.5 | <2 | 0.36 | <0.5 | 5  | 9   | 9          | 1.51 | 10  | 1  | 0.11  |
| H098201 | Basalt                             | 5416061  | 442337  | <0.2       | 0.66 | <2 | <10 | 10  | <0.5 | 2  | 0.93 | <0.5 | 7  | 6   | 47         | 1.49 | <10 | 1  | 0.02  |
| H098202 | Felsic Dike                        | 5421686  | 444975  | <0.2       | 0.57 | <2 | <10 | 50  | <0.5 | 2  | 0.22 | <0.5 | 4  | 11  | 9          | 0.93 | <10 | 1  | 0.25  |
| H098203 | Silc-Ank Alt Arenite               | 5421686  | 444975  | <0.2       | 0.62 | 2  | <10 | 20  | <0.5 | 2  | 0.33 | <0.5 | 5  | 14  | 8          | 1.10 | <10 | 1  | 0.07  |
| H098204 | Gabbro / Mafic Dike                | 5421686  | 444975  | <0.2       | 2.75 | 2  | <10 | 30  | <0.5 | 4  | 0.60 | <0.5 | 30 | 870 | 9          | 3.78 | 10  | <1 | 0.12  |
| H098205 | Greywacke + py                     | 5421202  | 444755  | <0.2       | 1.89 | <2 | <10 | 130 | <0.5 | <2 | 1.33 | <0.5 | 13 | 58  | 74         | 3.92 | 10  | 1  | 0.40  |
| H098206 | Plag phyric basalt + tr py         | 5416750  | 441452  | <0.2       | 2.24 | 4  | <10 | 80  | <0.5 | 2  | 0.76 | <0.5 | 24 | 70  | 99         | 3.79 | <10 | <1 | 0.04  |
| H098207 | Plag phyric basalt + tr py         | 5416692  | 441552  | 0.3        | 2.95 | <2 | <10 | 70  | <0.5 | 4  | 0.84 | <0.5 | 36 | 87  | 55         | 5.02 | 10  | <1 | 0.02  |
| H098208 | QV                                 | 5416692  | 441552  | 0.2        | 0.51 | 2  | <10 | <10 | <0.5 | 2  | 0.11 | <0.5 | 5  | 24  | 4          | 1.03 | <10 | <1 | <0.01 |
| H098209 | Sheared basalt + QV                | 5416692  | 441552  | <0.2       | 3.30 | 2  | <10 | 20  | <0.5 | 5  | 0.93 | <0.5 | 31 | 68  | 8          | 5.32 | 10  | <1 | 0.02  |
| H098210 | Crenulated Basalt                  | 5416613  | 441602  | 0.2        | 1.58 | <2 | <10 | 10  | <0.5 | 4  | 1.60 | <0.5 | 15 | 30  | 93         | 3.80 | <10 | <1 | 0.07  |
| H098211 | Plag physic Basalt                 | 5416584  | 441538  | <0.2       | 2.18 | <2 | <10 | 20  | <0.5 | 3  | 0.76 | <0.5 | 20 | 45  | 38         | 3.81 | 10  | <1 | 0.04  |
| H098212 | B18 - QV                           | 5416455  | 441128  | 0.3        | 0.12 | 2  | <10 | 10  | <0.5 | 3  | 0.03 | <0.5 | 17 | 12  | 51         | 2.78 | <10 | <1 | 0.02  |
| H098213 | B19 - Sheared + silc-Kspar granite | 5416466  | 441063  | <0.2       | 0.60 | <2 | <10 | 40  | <0.5 | 2  | 1.41 | <0.5 | 4  | 5   | 21         | 1.22 | <10 | <1 | 0.11  |
| H098214 | B20 - felsic dike                  | 5416485  | 441071  | <0.2       | 0.91 | <2 | <10 | 50  | <0.5 | 2  | 0.16 | <0.5 | 5  | 15  | <1         | 1.42 | 10  | <1 | 0.72  |
| H098215 | B21 - rusty felsic dike            | 5416496  | 441037  | 0.2        | 1.07 | 8  | <10 | 60  | <0.5 | 4  | 0.78 | <0.5 | 9  | 55  | 17         | 1.67 | 10  | <1 | 0.19  |
| H098216 | B22 - silc alt felsic dike         | 5416495  | 440985  | 0.2        | 1.03 | <2 | <10 | 200 | <0.5 | 3  | 0.83 | <0.5 | 12 | 46  | 74         | 1.77 | <10 | <1 | 0.64  |
| H098217 | shear + silc-calc alt felsic dike  | 5416514  | 440950  | <0.2       | 0.67 | 2  | <10 | 90  | <0.5 | 2  | 0.38 | <0.5 | 5  | 12  | 1          | 0.97 | <10 | <1 | 0.42  |
| H098218 | QV in sheared & alt felsic dike    | 5416514  | 440950  | <0.2       | 0.39 | <2 | <10 | 100 | <0.5 | 2  | 1.17 | <0.5 | 5  | 10  | 3          | 0.66 | <10 | 1  | 0.20  |
| H098219 | Pillow Basalt                      | 5416633  | 440933  | <b>0.5</b> | 1.30 | <2 | <10 | 20  | <0.5 | 6  | 0.82 | <0.5 | 23 | 62  | <b>149</b> | 5.49 | <10 | <1 | 0.13  |
| H098220 | Sheared Granite + QV               | 5416633  | 440933  | <0.2       | 0.60 | 2  | <10 | 40  | <0.5 | 3  | 0.36 | <0.5 | 6  | 13  | 3          | 0.96 | <10 | <1 | 0.18  |
| H098221 | Greywacke + tr py                  | 5416308  | 443370  | 0.2        | 0.44 | 2  | <10 | 20  | <0.5 | 3  | 0.43 | <0.5 | 3  | 11  | 6          | 0.56 | <10 | <1 | 0.14  |
| H098222 | Monzogranite                       | 5416396  | 443151  | <0.2       | 0.98 | 2  | <10 | 20  | <0.5 | 2  | 0.97 | <0.5 | 12 | 92  | 13         | 1.97 | <10 | <1 | 0.10  |
| H098223 | Monzogranite                       | 5416396  | 443151  | 0.2        | 1.01 | 3  | <10 | 20  | <0.5 | 2  | 0.44 | <0.5 | 8  | 45  | 21         | 1.81 | <10 | <1 | 0.07  |
| H098224 | Greywacke + tr py                  | 5416327  | 443054  | <0.2       | 1.22 | 3  | <10 | 130 | <0.5 | 3  | 0.23 | <0.5 | 5  | 17  | 10         | 2.52 | 10  | <1 | 0.91  |
| H098225 | Greywacke                          | 5416462  | 443070  | <0.2       | 0.57 | 3  | <10 | 30  | <0.5 | 4  | 0.45 | <0.5 | 10 | 75  | 2          | 1.05 | <10 | <1 | 0.09  |
| H098226 | Arkose + QV                        | 5416462  | 443070  | <0.2       | 1.10 | 2  | <10 | 260 | <0.5 | 4  | 0.14 | <0.5 | 8  | 14  | 7          | 1.77 | <10 | <1 | 0.66  |
| H098227 | Arkose + QV                        | 5416185  | 442922  | <0.2       | 1.16 | <2 | <10 | 120 | <0.5 | 2  | 0.30 | <0.5 | 7  | 16  | 23         | 1.89 | <10 | <1 | 0.81  |
| H098228 | Carb-chl alt basalt                | 5416904  | 442550  | <0.2       | 0.83 | 2  | <10 | 20  | <0.5 | 3  | 1.16 | <0.5 | 11 | 85  | 8          | 1.46 | <10 | <1 | 0.05  |
| H098229 | Silc alt Arkose                    | 5416915  | 442531  | <b>2.0</b> | 1.58 | 2  | <10 | 50  | <0.5 | 3  | 0.89 | <0.5 | 18 | 141 | <b>180</b> | 2.99 | <10 | <1 | 0.05  |
| H098230 | Greywacke                          | 5417026  | 442364  | <0.2       | 1.25 | 2  | <10 | 100 | <0.5 | 4  | 0.76 | <0.5 | 26 | 200 | 45         | 2.46 | 10  | <1 | 0.25  |
| H098231 | Greywacke                          | 5417044  | 442330  | <0.2       | 1.57 | <2 | <10 | 50  | <0.5 | 2  | 1.03 | <0.5 | 20 | 168 | 5          | 2.93 | <10 | <1 | 0.14  |
| H098232 | Greywacke                          | 5417257  | 442024  | <0.2       | 1.06 | <2 | <10 | 90  | <0.5 | 2  | 0.31 | <0.5 | 6  | 10  | 9          | 1.68 | 10  | <1 | 0.26  |
| H098233 | Mafic dike                         | 5417257  | 442024  | <0.2       | 1.44 | 3  | <10 | 100 | <0.5 | 4  | 1.09 | <0.5 | 16 | 76  | <1         | 2.35 | <10 | <1 | 0.28  |

| SAMPLE  | La  | Mg   | Mn  | Mo | Na    | Ni  | P    | Pb | S     | Sb | Sc | Sr  | Th  | Ti    | Tl  | U   | V   | W   | Zn | Au     | Pt    | Pd    | Au (FA) |
|---------|-----|------|-----|----|-------|-----|------|----|-------|----|----|-----|-----|-------|-----|-----|-----|-----|----|--------|-------|-------|---------|
| H098195 | <10 | 1.47 | 479 | <1 | 0.09  | 17  | 680  | <2 | 0.03  | <2 | 6  | 7   | <20 | 0.18  | <10 | <10 | 90  | <10 | 69 |        |       |       | <0.005  |
| H098196 | 20  | 2.06 | 309 | <1 | 0.01  | 261 | 800  | <2 | <0.01 | <2 | <1 | 4   | <20 | 0.06  | <10 | <10 | 27  | <10 | 50 |        |       |       | <0.005  |
| H098197 | 10  | 2.83 | 764 | <1 | 0.03  | 40  | 520  | <2 | <0.01 | <2 | 21 | 63  | <20 | 0.09  | <10 | <10 | 189 | <10 | 73 |        |       |       | <0.005  |
| H098198 | <10 | 0.23 | 71  | <1 | 0.02  | 6   | 120  | <2 | <0.01 | <2 | 2  | 12  | <20 | 0.10  | <10 | <10 | 16  | <10 | 4  |        |       |       | <0.005  |
| H098199 | <10 | 0.84 | 317 | <1 | 0.13  | 24  | 660  | <2 | 0.04  | <2 | 5  | 17  | <20 | 0.13  | <10 | <10 | 58  | <10 | 35 |        |       |       | <0.005  |
| H098200 | 10  | 0.47 | 105 | <1 | 0.05  | 5   | 400  | <2 | 0.01  | <2 | 1  | 16  | <20 | 0.08  | <10 | <10 | 23  | <10 | 22 | <0.001 | 0.006 | 0.002 |         |
| H098201 | <10 | 0.42 | 278 | <1 | 0.09  | 8   | 390  | <2 | 0.01  | <2 | 4  | 5   | <20 | 0.18  | <10 | <10 | 47  | <10 | 22 |        |       |       | <0.005  |
| H098202 | <10 | 0.37 | 97  | 1  | 0.06  | 6   | 240  | <2 | 0.02  | <2 | 1  | 28  | <20 | 0.10  | <10 | <10 | 20  | <10 | 20 |        |       |       | <0.005  |
| H098203 | 10  | 0.52 | 128 | <1 | 0.03  | 10  | 310  | <2 | 0.01  | <2 | 1  | 69  | <20 | 0.09  | <10 | <10 | 18  | <10 | 36 |        |       |       | <0.005  |
| H098204 | 10  | 4.14 | 448 | <1 | <0.01 | 312 | 1400 | <2 | 0.01  | <2 | 1  | 23  | <20 | 0.20  | <10 | <10 | 73  | <10 | 84 |        |       |       | <0.005  |
| H098205 | 10  | 0.64 | 333 | <1 | 0.21  | 33  | 1580 | 2  | 0.52  | <2 | 10 | 61  | <20 | 0.24  | <10 | <10 | 98  | <10 | 51 |        |       |       | <0.005  |
| H098206 | <10 | 1.66 | 392 | <1 | 0.05  | 70  | 470  | <2 | 0.07  | <2 | 2  | 11  | <20 | 0.14  | <10 | <10 | 53  | <10 | 57 |        |       |       | <0.005  |
| H098207 | <10 | 2.51 | 611 | <1 | 0.05  | 117 | 470  | <2 | 0.06  | <2 | 2  | 12  | <20 | 0.18  | <10 | <10 | 63  | <10 | 76 |        |       |       | <0.005  |
| H098208 | <10 | 0.40 | 145 | <1 | <0.01 | 15  | 110  | <2 | 0.03  | <2 | <1 | 3   | <20 | 0.02  | <10 | <10 | 15  | <10 | 21 |        |       |       | <0.005  |
| H098209 | 10  | 2.77 | 747 | <1 | 0.01  | 97  | 380  | <2 | 0.03  | <2 | 1  | 16  | <20 | 0.14  | <10 | <10 | 77  | <10 | 81 |        |       |       | <0.005  |
| H098210 | <10 | 0.50 | 463 | <1 | 0.11  | 26  | 770  | <2 | 0.03  | <2 | 7  | 18  | <20 | 0.29  | <10 | <10 | 92  | <10 | 34 |        |       |       | 0.011   |
| H098211 | <10 | 1.68 | 448 | <1 | 0.08  | 60  | 540  | <2 | 0.01  | 2  | 3  | 7   | <20 | 0.16  | <10 | <10 | 69  | <10 | 59 |        |       |       | <0.005  |
| H098212 | <10 | 0.04 | 63  | <1 | <0.01 | 23  | 40   | <2 | 1.87  | <2 | <1 | 2   | <20 | 0.01  | <10 | <10 | 3   | <10 | 74 |        |       |       | <0.005  |
| H098213 | 20  | 0.24 | 248 | <1 | 0.02  | 3   | 380  | <2 | 0.04  | <2 | <1 | 54  | <20 | <0.01 | <10 | <10 | 2   | <10 | 49 |        |       |       | <0.005  |
| H098214 | 10  | 0.79 | 174 | <1 | 0.04  | 7   | 330  | <2 | 0.02  | <2 | 2  | 11  | <20 | 0.12  | <10 | <10 | 28  | <10 | 45 |        |       |       | <0.005  |
| H098215 | 30  | 0.83 | 280 | <1 | 0.02  | 38  | 920  | 7  | 0.04  | <2 | 3  | 169 | <20 | 0.15  | <10 | <10 | 25  | <10 | 44 |        |       |       | <0.005  |
| H098216 | 30  | 1.02 | 256 | <1 | 0.05  | 30  | 1100 | <2 | 0.16  | <2 | 2  | 55  | <20 | 0.14  | <10 | <10 | 35  | <10 | 33 |        |       |       | 0.021   |
| H098217 | 10  | 0.50 | 134 | <1 | 0.03  | 10  | 370  | <2 | 0.05  | <2 | <1 | 46  | <20 | 0.09  | <10 | <10 | 9   | <10 | 39 |        |       |       | <0.005  |
| H098218 | 10  | 0.24 | 313 | 2  | 0.02  | 7   | 350  | <2 | 0.12  | <2 | 1  | 49  | <20 | 0.04  | <10 | <10 | 7   | <10 | 31 |        |       |       | 0.009   |
| H098219 | <10 | 1.17 | 378 | 1  | 0.04  | 32  | 550  | <2 | 0.04  | <2 | 3  | 19  | <20 | 0.31  | <10 | <10 | 142 | 10  | 61 |        |       |       | 0.017   |
| H098220 | 10  | 0.47 | 163 | <1 | 0.03  | 9   | 370  | <2 | 0.01  | <2 | 1  | 32  | <20 | 0.08  | <10 | <10 | 9   | <10 | 38 |        |       |       | <0.005  |
| H098221 | 10  | 0.18 | 191 | <1 | 0.03  | 3   | 360  | 2  | 0.02  | <2 | 1  | 19  | <20 | 0.08  | <10 | <10 | 12  | <10 | 30 |        |       |       | <0.005  |
| H098222 | <10 | 0.74 | 440 | <1 | 0.09  | 46  | 200  | <2 | 0.02  | <2 | 7  | 8   | <20 | 0.09  | <10 | <10 | 45  | <10 | 20 |        |       |       | <0.005  |
| H098223 | 30  | 0.65 | 325 | <1 | 0.02  | 32  | 470  | 7  | 0.02  | <2 | 1  | 33  | <20 | 0.10  | <10 | <10 | 22  | <10 | 24 |        |       |       | <0.005  |
| H098224 | 10  | 0.49 | 392 | <1 | 0.04  | 8   | 290  | <2 | 0.05  | <2 | 2  | 7   | <20 | 0.15  | <10 | <10 | 27  | <10 | 27 |        |       |       | <0.005  |
| H098225 | <10 | 0.57 | 298 | <1 | 0.05  | 23  | 130  | <2 | 0.03  | <2 | 3  | 6   | <20 | 0.11  | <10 | <10 | 34  | <10 | 13 |        |       |       | <0.005  |
| H098226 | <10 | 0.76 | 239 | <1 | 0.04  | 7   | 270  | <2 | 0.03  | <2 | 2  | 10  | <20 | 0.13  | <10 | <10 | 33  | <10 | 25 |        |       |       | <0.005  |
| H098227 | 10  | 0.87 | 353 | <1 | 0.04  | 9   | 360  | <2 | 0.16  | <2 | 2  | 12  | <20 | 0.14  | <10 | <10 | 33  | <10 | 40 |        |       |       | <0.005  |
| H098228 | <10 | 0.84 | 345 | 2  | 0.05  | 21  | 270  | <2 | 0.04  | <2 | 5  | 7   | <20 | 0.12  | <10 | <10 | 48  | <10 | 20 |        |       |       | <0.005  |
| H098229 | <10 | 1.16 | 552 | 2  | 0.04  | 67  | 330  | <2 | 0.10  | <2 | 4  | 25  | <20 | 0.10  | <10 | <10 | 54  | <10 | 23 |        |       |       | 0.006   |
| H098230 | <10 | 0.90 | 545 | <1 | 0.05  | 76  | 230  | <2 | 0.11  | <2 | 4  | 15  | <20 | 0.14  | <10 | <10 | 57  | <10 | 24 |        |       |       | <0.005  |
| H098231 | <10 | 1.29 | 709 | 1  | 0.06  | 55  | 70   | <2 | <0.01 | <2 | 5  | 10  | <20 | 0.13  | <10 | <10 | 59  | <10 | 34 |        |       |       | <0.005  |
| H098232 | 10  | 1.03 | 242 | <1 | 0.03  | 6   | 260  | <2 | 0.03  | <2 | 2  | 19  | <20 | 0.10  | <10 | <10 | 31  | <10 | 44 |        |       |       | <0.005  |
| H098233 | 30  | 1.57 | 336 | <1 | 0.05  | 80  | 1580 | <2 | <0.01 | <2 | 3  | 45  | <20 | 0.19  | <10 | <10 | 44  | <10 | 57 |        |       |       | <0.005  |



| SAMPLE  | Descriptions                            | Northing | Easting | Ag   | Al   | As | B   | Ba   | Be   | Bi | Ca   | Cd   | Co | Cr  | Cu  | Fe   | Ga  | Hg | K    |
|---------|-----------------------------------------|----------|---------|------|------|----|-----|------|------|----|------|------|----|-----|-----|------|-----|----|------|
| H098234 | felsic dike                             | 5417257  | 442024  | <0.2 | 1.33 | 3  | <10 | 30   | <0.5 | 3  | 0.31 | <0.5 | 11 | 15  | 5   | 2.61 | 10  | <1 | 0.14 |
| H098235 | Arkose + tr py                          | 5417511  | 441858  | <0.2 | 0.79 | <2 | <10 | 50   | <0.5 | 3  | 0.19 | <0.5 | 5  | 10  | 13  | 1.40 | <10 | <1 | 0.51 |
| H098236 | Meta-Arenite                            | 5417505  | 441753  | <0.2 | 1.10 | 2  | <10 | 110  | <0.5 | 2  | 0.12 | <0.5 | 5  | 12  | 1   | 1.51 | 10  | <1 | 0.64 |
| H098237 | Qtz-feldspar gneiss                     | 5417525  | 441613  | <0.2 | 1.54 | 4  | <10 | 80   | <0.5 | 3  | 1.50 | <0.5 | 31 | 27  | 42  | 3.80 | 10  | <1 | 0.36 |
| H098238 | QV / quartz pods                        | 5417525  | 441613  | <0.2 | 0.68 | <2 | <10 | 40   | <0.5 | 2  | 0.13 | <0.5 | 13 | 16  | 68  | 2.02 | <10 | <1 | 0.16 |
| H098239 | Meta-Arkose                             | 5417510  | 441432  | <0.2 | 0.68 | <2 | <10 | 40   | <0.5 | 2  | 0.88 | <0.5 | 4  | 6   | 13  | 1.25 | <10 | 1  | 0.41 |
| H098240 | Felsic Dike                             | 5417608  | 441387  | <0.2 | 0.80 | <2 | <10 | 10   | <0.5 | 2  | 0.90 | <0.5 | 3  | 6   | 11  | 1.74 | <10 | 1  | 0.06 |
| H098241 | Massive Basalt                          | 5417681  | 441280  | <0.2 | 3.22 | 2  | <10 | 10   | <0.5 | <2 | 0.87 | <0.5 | 39 | 103 | 22  | 5.28 | <10 | 1  | 0.01 |
| H098246 | Shear Monzogranite                      | 5416664  | 443147  | <0.2 | 0.85 | <2 | <10 | 40   | <0.5 | <2 | 0.24 | <0.5 | 6  | 14  | 1   | 1.27 | <10 | 1  | 0.18 |
| H098247 | QV                                      | 5416664  | 443147  | <0.2 | 0.15 | <2 | <10 | 10   | <0.5 | 3  | 0.05 | <0.5 | 1  | 12  | 2   | 0.39 | <10 | 2  | 0.03 |
| H098248 | Monzogranite                            | 5416753  | 443092  | <0.2 | 0.85 | <2 | <10 | 20   | <0.5 | 3  | 0.42 | <0.5 | 5  | 16  | 1   | 1.12 | <10 | 1  | 0.05 |
| H098249 | Meta-Arkose                             | 5416914  | 442955  | <0.2 | 0.77 | <2 | <10 | 50   | <0.5 | 2  | 0.20 | <0.5 | 5  | 13  | 1   | 1.20 | <10 | 2  | 0.47 |
| H098250 | Meta-Arkose + ser alt                   | 5417296  | 442479  | <0.2 | 1.04 | <2 | <10 | 50   | <0.5 | 2  | 0.22 | <0.5 | 5  | 14  | 26  | 1.42 | <10 | 1  | 0.76 |
| H098251 | Meta-Arkose                             | 5417490  | 442425  | <0.2 | 0.82 | <2 | <10 | 50   | <0.5 | <2 | 0.29 | <0.5 | 6  | 16  | <1  | 1.34 | <10 | 2  | 0.53 |
| H098252 | Conglomerate                            | 5417519  | 442504  | <0.2 | 0.95 | <2 | <10 | 70   | <0.5 | <2 | 0.16 | <0.5 | 5  | 18  | 5   | 1.32 | <10 | 1  | 0.72 |
| H098253 | Greywacke                               | 5417519  | 442504  | <0.2 | 1.09 | 2  | <10 | 50   | <0.5 | <2 | 0.24 | <0.5 | 5  | 14  | 1   | 1.45 | <10 | 1  | 0.82 |
| H098392 | Monzogranite with qv-epid-chl veins     | 5415140  | 441227  | <0.2 | 0.69 | <2 | <10 | 40   | <0.5 | <2 | 0.22 | <0.5 | 5  | 10  | 2   | 0.95 | <10 | <1 | 0.40 |
| H098393 | Arkose with tr py-hem                   | 5414531  | 438584  | 1.5  | 1.38 | 2  | <10 | 10   | <0.5 | <2 | 0.73 | <0.5 | 14 | 6   | 805 | 2.39 | <10 | <1 | 0.02 |
| H098394 | Chi Gabbro with 3% of py-po-cpy with qv | 5414595  | 438562  | 0.2  | 1.07 | <2 | <10 | 20   | <0.5 | <2 | 0.86 | <0.5 | 14 | 7   | 155 | 2.28 | <10 | <1 | 0.04 |
| H098395 | Silc Gabbro                             | 5414670  | 438552  | <0.2 | 0.91 | <2 | <10 | 10   | <0.5 | <2 | 0.79 | <0.5 | 9  | 30  | 62  | 1.51 | <10 | <1 | 0.04 |
| H098396 | Felsic Dike with weak chl-epid          | 5414670  | 438552  | 0.3  | 0.66 | <2 | <10 | 30   | <0.5 | <2 | 0.25 | <0.5 | 6  | 8   | 47  | 0.93 | <10 | <1 | 0.14 |
| H098397 | Qtz Diorite                             | 5414718  | 438586  | <0.2 | 0.67 | <2 | <10 | 20   | <0.5 | <2 | 0.70 | <0.5 | 10 | 3   | 183 | 4.42 | <10 | <1 | 0.06 |
| H098398 | QV-chl-hem                              | 5414704  | 438567  | 3.8  | 0.12 | 2  | <10 | <10  | <0.5 | <2 | 0.05 | <0.5 | 4  | 6   | 219 | 2.32 | <10 | <1 | 0.01 |
| H098399 | Silc Alt Monzogranite                   | 5414727  | 438583  | 0.7  | 0.50 | <2 | <10 | 10   | <0.5 | <2 | 0.27 | <0.5 | 5  | 11  | 78  | 1.12 | <10 | <1 | 0.05 |
| H098400 | Sheared Monzogranite + 3-5% py - QV     | 5414294  | 438265  | <0.2 | 0.70 | 2  | <10 | 20   | <0.5 | <2 | 0.08 | <0.5 | 3  | 9   | 3   | 1.04 | <10 | <1 | 0.07 |
| H098401 | Graywacke with qv-hem                   | 5415621  | 443217  | <0.2 | 0.84 | 2  | <10 | 10   | <0.5 | <2 | 1.25 | <0.5 | 6  | 10  | 27  | 2.46 | <10 | <1 | 0.05 |
| H098402 | Arkose with qv                          | 5415818  | 443369  | <0.2 | 0.73 | <2 | <10 | 110  | <0.5 | <2 | 0.25 | <0.5 | 6  | 9   | 4   | 1.18 | <10 | <1 | 0.44 |
| H098403 | Sheared Monzogranite                    | 5422980  | 444000  | <0.2 | 0.32 | <2 | <10 | 30   | <0.5 | <2 | 0.13 | <0.5 | 2  | 7   | <1  | 0.64 | <10 | <1 | 0.08 |
| H098404 | Monzogranite with py                    | 5422736  | 443998  | <0.2 | 0.89 | <2 | <10 | 20   | <0.5 | <2 | 0.19 | <0.5 | 6  | 22  | 4   | 1.33 | <10 | <1 | 0.07 |
| H098405 | Sheared Basalt with qv-py               | 5422636  | 443838  | <0.2 | 1.96 | <2 | <10 | 1430 | <0.5 | <2 | 1.06 | <0.5 | 26 | 269 | 22  | 2.48 | 10  | <1 | 0.07 |
| H098406 | Wk shear-silc Felsic Dike + qv-py       | 5422328  | 443912  | <0.2 | 0.84 | <2 | <10 | 60   | <0.5 | <2 | 0.65 | <0.5 | 6  | 14  | 16  | 1.12 | <10 | <1 | 0.28 |
| H098407 | Felsic Dike + qv-py                     | 5422279  | 443982  | 0.2  | 0.73 | <2 | <10 | 60   | <0.5 | <2 | 1.54 | <0.5 | 5  | 12  | 8   | 1.19 | <10 | <1 | 0.27 |
| H098408 | Felsic Dike + tr py                     | 5422280  | 443812  | <0.2 | 0.59 | <2 | <10 | 40   | <0.5 | <2 | 0.76 | <0.5 | 4  | 7   | 5   | 1.01 | <10 | <1 | 0.10 |
| H098409 | Felsic Dike + tr py                     | 5422280  | 443812  | <0.2 | 0.72 | <2 | <10 | 30   | <0.5 | <2 | 0.35 | <0.5 | 6  | 13  | <1  | 1.20 | <10 | <1 | 0.11 |
| H098415 | Meta-gabbro + qv-py                     | 5425844  | 445508  | <0.2 | 1.55 | <2 | <10 | <10  | <0.5 | <2 | 0.66 | <0.5 | 17 | 22  | 99  | 3.08 | 10  | <1 | 0.02 |

| SAMPLE  | La  | Mg   | Mn   | Mo | Na    | Ni | P   | Pb | S     | Sb | Sc | Sr | Th  | Ti   | Tl  | U   | V   | W   | Zn | Au    | Pt    | Pd    | Au (FA)      |
|---------|-----|------|------|----|-------|----|-----|----|-------|----|----|----|-----|------|-----|-----|-----|-----|----|-------|-------|-------|--------------|
| H098234 | 10  | 1.12 | 287  | <1 | 0.04  | 13 | 370 | <2 | 0.02  | <2 | 4  | 11 | <20 | 0.17 | <10 | <10 | 43  | <10 | 54 |       |       |       | <0.005       |
| H098235 | 10  | 0.49 | 224  | <1 | 0.03  | 6  | 410 | <2 | 0.03  | <2 | 1  | 6  | <20 | 0.07 | <10 | <10 | 18  | <10 | 41 |       |       |       | <0.005       |
| H098236 | <10 | 0.88 | 254  | <1 | 0.03  | 5  | 230 | <2 | 0.03  | <2 | 2  | 5  | <20 | 0.10 | <10 | <10 | 27  | <10 | 30 |       |       |       | <0.005       |
| H098237 | <10 | 0.94 | 625  | <1 | 0.13  | 18 | 750 | <2 | 0.26  | <2 | 8  | 18 | <20 | 0.25 | <10 | <10 | 115 | <10 | 26 |       |       |       | <0.005       |
| H098238 | <10 | 0.52 | 238  | <1 | <0.01 | 17 | 50  | <2 | 0.11  | <2 | 1  | 3  | <20 | 0.10 | <10 | <10 | 35  | <10 | 13 |       |       |       | <0.005       |
| H098239 | 10  | 0.24 | 311  | <1 | 0.03  | 7  | 360 | <2 | 0.04  | <2 | 1  | 12 | <20 | 0.06 | <10 | <10 | 10  | <10 | 68 |       |       |       | <0.005       |
| H098240 | 10  | 0.51 | 458  | 2  | 0.03  | 5  | 370 | 2  | 0.18  | <2 | <1 | 10 | <20 | 0.02 | <10 | <10 | 9   | <10 | 53 |       |       |       | <0.005       |
| H098241 | <10 | 2.32 | 1525 | <1 | 0.02  | 77 | 240 | <2 | 0.01  | <2 | 4  | 13 | <20 | 0.08 | <10 | <10 | 92  | <10 | 62 |       |       |       | <0.005       |
| H098246 | 10  | 0.71 | 173  | <1 | 0.05  | 8  | 310 | <2 | 0.01  | <2 | 1  | 29 | <20 | 0.08 | <10 | <10 | 21  | <10 | 45 |       |       |       | <0.005       |
| H098247 | <10 | 0.09 | 52   | <1 | 0.02  | 2  | 70  | <2 | <0.01 | <2 | <1 | 10 | <20 | 0.01 | <10 | <10 | 3   | <10 | 8  |       |       |       | <0.005       |
| H098248 | 10  | 0.74 | 126  | <1 | 0.04  | 8  | 320 | <2 | 0.01  | <2 | 1  | 80 | <20 | 0.08 | <10 | <10 | 17  | <10 | 31 |       |       |       | <0.005       |
| H098249 | 10  | 0.56 | 115  | <1 | 0.07  | 8  | 380 | <2 | 0.01  | <2 | 1  | 25 | <20 | 0.10 | <10 | <10 | 23  | <10 | 27 |       |       |       | <0.005       |
| H098250 | 10  | 0.79 | 354  | <1 | 0.06  | 12 | 410 | <2 | 0.01  | <2 | 1  | 24 | <20 | 0.12 | <10 | <10 | 29  | <10 | 74 |       |       |       | <0.005       |
| H098251 | 10  | 0.58 | 151  | <1 | 0.06  | 8  | 340 | <2 | 0.01  | <2 | 1  | 31 | <20 | 0.12 | <10 | <10 | 24  | <10 | 36 |       |       |       | <0.005       |
| H098252 | 10  | 0.68 | 203  | <1 | 0.06  | 8  | 270 | <2 | 0.01  | <2 | 1  | 11 | <20 | 0.11 | <10 | <10 | 22  | <10 | 52 |       |       |       | <0.005       |
| H098253 | 10  | 0.72 | 196  | <1 | 0.04  | 9  | 330 | <2 | 0.01  | <2 | 1  | 14 | <20 | 0.11 | <10 | <10 | 20  | <10 | 63 |       |       |       | <0.005       |
| H098392 | <10 | 0.45 | 163  | <1 | 0.05  | 7  | 330 | <2 | 0.01  | 2  | <1 | 27 | <20 | 0.09 | <10 | <10 | 14  | <10 | 49 |       |       |       | <0.005       |
| H098393 | <10 | 0.92 | 163  | 17 | 0.03  | 25 | 260 | 4  | 0.14  | <2 | 2  | 48 | <20 | 0.12 | <10 | <10 | 38  | <10 | 18 |       |       |       | 0.065        |
| H098394 | <10 | 0.77 | 216  | 2  | 0.07  | 16 | 410 | <2 | 0.05  | <2 | 4  | 20 | <20 | 0.19 | <10 | <10 | 65  | <10 | 17 | 0.003 | 0.013 | 0.014 |              |
| H098395 | <10 | 0.66 | 144  | <1 | 0.05  | 14 | 340 | <2 | 0.01  | <2 | 4  | 16 | <20 | 0.16 | <10 | <10 | 43  | <10 | 12 | 0.002 | 0.007 | 0.011 |              |
| H098396 | 10  | 0.44 | 63   | 2  | 0.05  | 7  | 360 | <2 | 0.01  | <2 | 1  | 14 | <20 | 0.09 | <10 | <10 | 15  | <10 | 12 |       |       |       | 0.006        |
| H098397 | <10 | 0.52 | 124  | 43 | 0.06  | 12 | 540 | 3  | <0.01 | <2 | 3  | 8  | <20 | 0.19 | <10 | <10 | 139 | <10 | 21 | 0.022 | 0.015 | 0.008 |              |
| H098398 | <10 | 0.06 | 33   | 13 | <0.01 | 17 | 160 | 3  | <0.01 | <2 | <1 | 3  | <20 | 0.03 | <10 | <10 | 13  | <10 | 8  |       |       |       | <b>0.636</b> |
| H098399 | 10  | 0.36 | 77   | 3  | 0.04  | 4  | 320 | 2  | <0.01 | <2 | 1  | 9  | <20 | 0.08 | <10 | <10 | 21  | <10 | 16 |       |       |       | <0.005       |
| H098400 | <10 | 0.60 | 79   | 1  | 0.03  | 5  | 290 | 2  | <0.01 | <2 | 1  | 8  | <20 | 0.01 | <10 | <10 | 10  | <10 | 24 |       |       |       | <0.005       |
| H098401 | <10 | 0.35 | 300  | <1 | 0.11  | 4  | 800 | 3  | <0.01 | <2 | 7  | 8  | <20 | 0.27 | <10 | <10 | 79  | <10 | 33 |       |       |       | <0.005       |
| H098402 | <10 | 0.46 | 158  | <1 | 0.05  | 4  | 340 | 2  | <0.01 | <2 | 1  | 37 | <20 | 0.12 | <10 | <10 | 19  | <10 | 35 |       |       |       | <0.005       |
| H098403 | 10  | 0.16 | 94   | <1 | 0.04  | <1 | 200 | 2  | <0.01 | <2 | <1 | 31 | <20 | 0.03 | <10 | <10 | 6   | <10 | 21 |       |       |       | <0.005       |
| H098404 | 10  | 0.86 | 172  | <1 | 0.03  | 11 | 360 | 3  | <0.01 | <2 | 1  | 17 | <20 | 0.06 | <10 | <10 | 19  | <10 | 43 |       |       |       | <0.005       |
| H098405 | <10 | 1.56 | 426  | <1 | 0.07  | 67 | 220 | <2 | <0.01 | <2 | 5  | 12 | <20 | 0.22 | <10 | <10 | 71  | <10 | 23 |       |       |       | <0.005       |
| H098406 | 10  | 0.53 | 274  | <1 | 0.03  | 7  | 430 | 4  | <0.01 | <2 | 1  | 28 | <20 | 0.08 | <10 | <10 | 13  | <10 | 53 |       |       |       | <0.005       |
| H098407 | 10  | 0.45 | 365  | <1 | 0.02  | 6  | 370 | 4  | 0.03  | <2 | 1  | 21 | <20 | 0.08 | <10 | <10 | 15  | <10 | 45 |       |       |       | <0.005       |
| H098408 | 10  | 0.42 | 209  | <1 | 0.03  | 6  | 590 | 2  | <0.01 | <2 | 1  | 27 | <20 | 0.02 | <10 | <10 | 10  | <10 | 25 |       |       |       | <0.005       |
| H098409 | 10  | 0.53 | 155  | <1 | 0.02  | 10 | 370 | <2 | <0.01 | <2 | 1  | 23 | <20 | 0.06 | <10 | <10 | 13  | <10 | 20 |       |       |       | <0.005       |
| H098415 | <10 | 0.82 | 328  | <1 | 0.07  | 35 | 380 | <2 | 0.08  | <2 | 2  | 7  | <20 | 0.16 | <10 | <10 | 45  | <10 | 57 |       |       |       | <0.005       |

| SAMPLE  | Descriptions                                          | Northing | Easting | Ag   | Al   | As | B   | Ba  | Be   | Bi | Ca   | Cd   | Co | Cr  | Cu  | Fe    | Ga  | Hg | K    |
|---------|-------------------------------------------------------|----------|---------|------|------|----|-----|-----|------|----|------|------|----|-----|-----|-------|-----|----|------|
| H098416 | Meta-basalt + qv-po                                   | 5425774  | 445436  | <0.2 | 4.29 | 2  | <10 | 10  | <0.5 | <2 | 3.27 | <0.5 | 35 | 58  | 89  | 8.55  | 20  | <1 | 0.01 |
| H098417 | Meta-basalt + tr po                                   | 5425630  | 445390  | <0.2 | 1.47 | <2 | <10 | 60  | <0.5 | <2 | 0.33 | <0.5 | 13 | 17  | 26  | 2.84  | 10  | <1 | 0.52 |
| H098418 | Felsic dike + 1%py                                    | 5425561  | 445337  | <0.2 | 1.20 | <2 | <10 | 30  | <0.5 | <2 | 2.11 | <0.5 | 9  | 11  | 21  | 2.46  | <10 | <1 | 0.46 |
| H098419 | Silc Alt Meta-gabbro + 1% py                          | 5425454  | 445336  | <0.2 | 0.88 | 2  | <10 | 10  | <0.5 | <2 | 0.69 | <0.5 | 10 | 16  | 123 | 1.67  | <10 | <1 | 0.02 |
| H098420 | Qtz-carb rich block (shear zone?)                     | 5425454  | 445336  | <0.2 | 0.38 | <2 | <10 | <10 | <0.5 | <2 | 5.29 | <0.5 | 3  | 5   | <1  | 0.81  | <10 | <1 | 0.01 |
| H098421 | Meta-arkose                                           | 5425435  | 445310  | <0.2 | 0.65 | <2 | <10 | 20  | <0.5 | 2  | 0.32 | <0.5 | 7  | 19  | 38  | 1.32  | <10 | <1 | 0.11 |
| H098422 | Chert                                                 | 5425435  | 445310  | <0.2 | 1.09 | <2 | <10 | 40  | <0.5 | <2 | 0.36 | <0.5 | 8  | 6   | 32  | 2.03  | <10 | <1 | 0.16 |
| H098423 | Meta-arenite                                          | 5425404  | 445296  | <0.2 | 0.99 | <2 | <10 | 20  | <0.5 | <2 | 0.96 | <0.5 | 6  | 3   | 12  | 1.55  | <10 | <1 | 0.10 |
| H098424 | Meta-greywacke with qv-py                             | 5425258  | 445259  | <0.2 | 1.61 | <2 | <10 | 20  | <0.5 | <2 | 3.19 | <0.5 | 27 | 128 | 81  | 3.05  | <10 | <1 | 0.02 |
| H098425 | Silc-carb Alt Meta-basalt                             | 5425185  | 445238  | <0.2 | 2.09 | <2 | <10 | 20  | <0.5 | <2 | 1.17 | <0.5 | 22 | 191 | 46  | 3.49  | <10 | <1 | 0.04 |
| H098426 | Meta-arenite                                          | 5424853  | 444937  | <0.2 | 0.55 | <2 | <10 | 20  | <0.5 | <2 | 0.40 | <0.5 | 4  | 10  | 10  | 1.38  | <10 | <1 | 0.12 |
| H098427 | Meta-greywacke with 1% py                             | 5424754  | 444936  | <0.2 | 2.00 | <2 | <10 | 10  | <0.5 | <2 | 1.20 | <0.5 | 25 | 204 | 2   | 3.72  | 10  | <1 | 0.02 |
| H098428 | Silc Alt Meta-basalt with 1% py                       | 5424673  | 444806  | <0.2 | 2.32 | <2 | <10 | 90  | <0.5 | <2 | 0.86 | <0.5 | 26 | 81  | 38  | 4.53  | 10  | <1 | 0.29 |
| H098429 | Meta-greywacke                                        | 5424539  | 444742  | <0.2 | 0.82 | <2 | <10 | 30  | <0.5 | <2 | 0.56 | <0.5 | 28 | 155 | 87  | 1.62  | <10 | <1 | 0.05 |
| H098430 | Sheared chl-carb alt Meta-basalt/gabbro               | 5424448  | 444700  | <0.2 | 1.67 | <2 | <10 | 80  | <0.5 | <2 | 0.32 | <0.5 | 24 | 355 | 29  | 2.26  | <10 | <1 | 0.02 |
| H098431 | QV                                                    | 5424448  | 444700  | <0.2 | 0.18 | <2 | <10 | 80  | <0.5 | <2 | 0.08 | <0.5 | 2  | 25  | 31  | 0.42  | <10 | <1 | 0.01 |
| H098432 | Chl-Silc Alt Meta-greywacke + tr py                   | 5424401  | 444652  | 0.2  | 3.34 | <2 | <10 | 10  | <0.5 | 2  | 0.65 | <0.5 | 29 | 131 | 78  | 4.79  | <10 | <1 | 0.02 |
| H098433 | Chl Meta-basalt                                       | 5423900  | 444453  | <0.2 | 1.20 | <2 | <10 | 10  | <0.5 | <2 | 1.30 | <0.5 | 15 | 130 | 26  | 1.94  | <10 | <1 | 0.04 |
| H098434 | Chl Meta-greywacke                                    | 5424260  | 444756  | <0.2 | 1.93 | <2 | <10 | 50  | <0.5 | <2 | 0.80 | <0.5 | 25 | 146 | 31  | 3.42  | <10 | <1 | 0.17 |
| H098435 | Meta-arkose with qv                                   | 5423879  | 444846  | <0.2 | 0.40 | <2 | <10 | 30  | <0.5 | <2 | 0.24 | <0.5 | 4  | 23  | 1   | 0.70  | <10 | <1 | 0.05 |
| H098436 | Meta-arenite / Conglomerate with 1% py + aplite dikes | 5423685  | 444665  | <0.2 | 0.78 | <2 | <10 | 40  | <0.5 | <2 | 0.59 | <0.5 | 6  | 17  | 13  | 1.14  | <10 | <1 | 0.11 |
| H098437 | Syenogranite with aplite dike                         | 5423597  | 444855  | <0.2 | 0.88 | <2 | <10 | 50  | <0.5 | 2  | 0.20 | <0.5 | 5  | 14  | 25  | 1.40  | <10 | <1 | 0.43 |
| H098438 | Porphyritic Syenogranite                              | 5423047  | 444707  | <0.2 | 0.60 | <2 | <10 | 20  | <0.5 | <2 | 0.34 | <0.5 | 4  | 23  | 6   | 0.84  | <10 | <1 | 0.04 |
| H098439 | Pillowed Basalt                                       | 5426999  | 446227  | <0.2 | 1.50 | <2 | <10 | 10  | <0.5 | <2 | 1.41 | <0.5 | 22 | 135 | 68  | 3.01  | <10 | <1 | 0.04 |
| H098440 | QV + tr py                                            | 5426999  | 446227  | <0.2 | 1.11 | 2  | <10 | 10  | <0.5 | <2 | 0.75 | <0.5 | 22 | 120 | 42  | 2.05  | <10 | <1 | 0.03 |
| H098441 | Basalt with carb-chl-py alt                           | 5426774  | 446213  | <0.2 | 1.67 | <2 | <10 | 30  | <0.5 | <2 | 0.49 | <0.5 | 21 | 204 | 44  | 2.92  | <10 | <1 | 0.01 |
| H098442 | Basalt with qv                                        | 5426458  | 446176  | <0.2 | 4.68 | <2 | <10 | 40  | <0.5 | <2 | 2.56 | <0.5 | 46 | 467 | 32  | 8.26  | 10  | <1 | 0.46 |
| H098443 | Meta-Arkose                                           | 5426429  | 446135  | <0.2 | 0.26 | <2 | <10 | 50  | <0.5 | <2 | 2.63 | <0.5 | 4  | 6   | 11  | 0.70  | <10 | <1 | 0.12 |
| H098444 | Meta-Arenite                                          | 5426329  | 446118  | 0.2  | 0.87 | <2 | <10 | 10  | <0.5 | <2 | 0.58 | <0.5 | 4  | 6   | 18  | 1.92  | <10 | <1 | 0.09 |
| H098445 | Hornblende-phyric Gabbro                              | 5426270  | 445800  | <0.2 | 1.71 | <2 | <10 | 10  | <0.5 | <2 | 0.62 | <0.5 | 19 | 37  | 45  | 3.27  | <10 | <1 | 0.02 |
| H098446 | Arkose with qv                                        | 5426025  | 445917  | 0.2  | 1.06 | <2 | <10 | 70  | <0.5 | <2 | 0.71 | <0.5 | 8  | 6   | 90  | 2.27  | <10 | <1 | 0.43 |
| H098447 | Arenite with qv                                       | 5425782  | 445847  | <0.2 | 0.62 | <2 | <10 | 40  | <0.5 | <2 | 1.66 | <0.5 | 4  | 2   | 11  | 1.03  | <10 | <1 | 0.20 |
| H098448 | Mafic Pyroclastic Flow with qv + tr-5% py             | 5425782  | 445847  | <0.2 | 5.68 | <2 | <10 | 20  | <0.5 | <2 | 1.21 | <0.5 | 25 | 411 | 10  | 12.60 | 10  | <1 | 0.01 |
| H098449 | Arkose + tr py                                        | 5425672  | 445751  | <0.2 | 2.57 | <2 | <10 | 740 | <0.5 | <2 | 0.31 | <0.5 | 30 | 871 | 42  | 5.93  | 10  | <1 | 1.14 |
| H098450 | Sheared Gabbro with tr po                             | 5425819  | 446027  | 0.2  | 1.27 | <2 | <10 | 280 | <0.5 | <2 | 0.73 | <0.5 | 36 | 295 | 44  | 3.34  | <10 | <1 | 0.34 |

| SAMPLE  | La  | Mg   | Mn   | Mo | Na    | Ni  | P   | Pb | S     | Sb | Sc | Sr  | Th  | Ti   | Ti  | U   | V   | W   | Zn  | Au     | Pt    | Pd    | Au (FA) |
|---------|-----|------|------|----|-------|-----|-----|----|-------|----|----|-----|-----|------|-----|-----|-----|-----|-----|--------|-------|-------|---------|
| H098416 | <10 | 2.57 | 834  | <1 | 0.02  | 65  | 250 | <2 | <0.01 | <2 | 20 | 31  | <20 | 0.13 | <10 | <10 | 172 | <10 | 117 |        |       |       | <0.005  |
| H098417 | 10  | 0.95 | 386  | <1 | 0.04  | 14  | 480 | 3  | 0.28  | <2 | 2  | 13  | <20 | 0.16 | <10 | <10 | 47  | <10 | 45  |        |       |       | <0.005  |
| H098418 | 10  | 0.57 | 449  | <1 | 0.02  | 13  | 550 | 2  | 0.22  | <2 | 1  | 43  | <20 | 0.11 | <10 | <10 | 19  | <10 | 86  |        |       |       | <0.005  |
| H098419 | <10 | 0.49 | 186  | <1 | 0.05  | 22  | 170 | <2 | 0.02  | <2 | 2  | 7   | <20 | 0.19 | <10 | <10 | 33  | <10 | 30  |        |       |       | <0.005  |
| H098420 | <10 | 0.22 | 282  | <1 | <0.01 | 3   | 90  | <2 | <0.01 | <2 | <1 | 15  | <20 | 0.02 | <10 | <10 | 11  | <10 | 13  |        |       |       | <0.005  |
| H098421 | 10  | 0.41 | 172  | <1 | 0.03  | 13  | 400 | 3  | 0.14  | <2 | 1  | 27  | <20 | 0.06 | <10 | <10 | 11  | <10 | 93  |        |       |       | <0.005  |
| H098422 | 20  | 0.73 | 244  | <1 | 0.02  | 10  | 510 | <2 | 0.10  | <2 | 1  | 39  | <20 | 0.05 | <10 | <10 | 8   | <10 | 58  |        |       |       | <0.005  |
| H098423 | 10  | 0.54 | 259  | <1 | 0.02  | 6   | 400 | <2 | <0.01 | <2 | 1  | 45  | <20 | 0.05 | <10 | <10 | 7   | <10 | 58  |        |       |       | <0.005  |
| H098424 | <10 | 0.79 | 1170 | <1 | 0.07  | 94  | 220 | <2 | 0.11  | 3  | 5  | 20  | <20 | 0.08 | <10 | <10 | 52  | <10 | 30  |        |       |       | <0.005  |
| H098425 | <10 | 1.43 | 691  | <1 | 0.05  | 51  | 180 | <2 | <0.01 | <2 | 5  | 24  | <20 | 0.13 | <10 | <10 | 59  | <10 | 50  |        |       |       | <0.005  |
| H098426 | 10  | 0.35 | 289  | <1 | 0.04  | 3   | 380 | <2 | 0.13  | <2 | 1  | 11  | <20 | 0.09 | <10 | <10 | 11  | <10 | 29  |        |       |       | <0.005  |
| H098427 | <10 | 1.94 | 595  | <1 | 0.03  | 112 | 240 | <2 | <0.01 | <2 | 3  | 17  | <20 | 0.14 | <10 | <10 | 61  | <10 | 44  |        |       |       | <0.005  |
| H098428 | 10  | 1.70 | 470  | <1 | 0.07  | 74  | 450 | <2 | 0.03  | <2 | 3  | 27  | <20 | 0.21 | <10 | <10 | 75  | <10 | 69  |        |       |       | <0.005  |
| H098429 | <10 | 0.59 | 308  | <1 | 0.05  | 97  | 220 | <2 | 0.08  | <2 | 5  | 18  | <20 | 0.15 | <10 | <10 | 45  | <10 | 17  |        |       |       | <0.005  |
| H098430 | <10 | 1.71 | 378  | <1 | 0.01  | 107 | 170 | <2 | <0.01 | <2 | 1  | 6   | <20 | 0.06 | <10 | <10 | 24  | <10 | 24  |        |       |       | <0.005  |
| H098431 | <10 | 0.19 | 62   | <1 | <0.01 | 12  | 50  | <2 | <0.01 | <2 | <1 | 2   | <20 | 0.01 | <10 | <10 | 3   | <10 | 2   |        |       |       | <0.005  |
| H098432 | <10 | 3.13 | 885  | <1 | 0.01  | 47  | 280 | <2 | 0.10  | <2 | 3  | 10  | <20 | 0.14 | <10 | <10 | 78  | <10 | 52  |        |       |       | <0.005  |
| H098433 | <10 | 0.77 | 501  | <1 | 0.08  | 42  | 230 | <2 | <0.01 | <2 | 6  | 13  | <20 | 0.11 | <10 | <10 | 48  | <10 | 21  |        |       |       | <0.005  |
| H098434 | <10 | 1.83 | 335  | <1 | 0.06  | 94  | 400 | <2 | <0.01 | <2 | 2  | 16  | <20 | 0.18 | <10 | <10 | 47  | <10 | 57  |        |       |       | <0.005  |
| H098435 | <10 | 0.33 | 69   | <1 | 0.05  | 10  | 380 | <2 | <0.01 | <2 | 1  | 9   | <20 | 0.10 | <10 | <10 | 18  | <10 | 8   |        |       |       | <0.005  |
| H098436 | 10  | 0.71 | 199  | <1 | 0.03  | 8   | 260 | <2 | 0.03  | <2 | 1  | 32  | <20 | 0.08 | <10 | <10 | 20  | <10 | 45  |        |       |       | <0.005  |
| H098437 | <10 | 0.45 | 111  | <1 | 0.03  | 5   | 340 | <2 | 0.01  | <2 | 1  | 27  | <20 | 0.13 | <10 | <10 | 18  | <10 | 43  |        |       |       | <0.005  |
| H098438 | 10  | 0.42 | 167  | <1 | 0.03  | 8   | 370 | <2 | <0.01 | <2 | 1  | 136 | <20 | 0.06 | <10 | <10 | 12  | <10 | 25  |        |       |       | <0.005  |
| H098439 | <10 | 0.93 | 700  | <1 | 0.04  | 62  | 220 | <2 | 0.04  | <2 | 4  | 11  | <20 | 0.11 | <10 | <10 | 39  | <10 | 30  |        |       |       | <0.005  |
| H098440 | <10 | 0.62 | 422  | <1 | 0.03  | 76  | 220 | 2  | 0.04  | <2 | 3  | 12  | <20 | 0.13 | <10 | <10 | 33  | <10 | 32  |        |       |       | <0.005  |
| H098441 | <10 | 1.33 | 437  | <1 | 0.04  | 66  | 180 | <2 | 0.02  | <2 | 3  | 6   | <20 | 0.13 | <10 | <10 | 43  | <10 | 33  |        |       |       | <0.005  |
| H098442 | <10 | 3.29 | 1935 | <1 | 0.01  | 114 | 200 | <2 | <0.01 | <2 | 24 | 23  | <20 | 0.18 | <10 | <10 | 190 | <10 | 79  |        |       |       | <0.005  |
| H098443 | 10  | 0.08 | 440  | <1 | 0.03  | 4   | 330 | <2 | 0.03  | <2 | <1 | 85  | <20 | 0.03 | <10 | <10 | 3   | <10 | 23  |        |       |       | <0.005  |
| H098444 | 10  | 0.43 | 357  | <1 | 0.04  | 4   | 320 | 2  | 0.07  | <2 | 1  | 8   | <20 | 0.05 | <10 | <10 | 7   | <10 | 46  |        |       |       | <0.005  |
| H098445 | <10 | 1.16 | 370  | <1 | 0.04  | 50  | 210 | <2 | 0.03  | <2 | 2  | 13  | <20 | 0.21 | <10 | <10 | 52  | <10 | 48  |        |       |       | <0.005  |
| H098446 | 20  | 0.47 | 210  | <1 | 0.07  | 5   | 420 | 2  | <0.01 | <2 | 1  | 31  | <20 | 0.09 | <10 | <10 | 13  | <10 | 20  |        |       |       | <0.005  |
| H098447 | <10 | 0.23 | 309  | <1 | 0.07  | 3   | 330 | 2  | 0.02  | <2 | 1  | 41  | <20 | 0.05 | <10 | <10 | 4   | <10 | 39  |        |       |       | <0.005  |
| H098448 | <10 | 2.82 | 3980 | <1 | 0.01  | 133 | 270 | <2 | 0.02  | <2 | 16 | 29  | <20 | 0.10 | <10 | <10 | 170 | <10 | 157 |        |       |       | <0.005  |
| H098449 | <10 | 2.03 | 975  | <1 | 0.05  | 80  | 160 | <2 | 0.38  | <2 | 9  | 4   | <20 | 0.19 | <10 | <10 | 141 | <10 | 55  |        |       |       | <0.005  |
| H098450 | <10 | 0.76 | 544  | <1 | 0.06  | 122 | 130 | <2 | 0.65  | <2 | 4  | 8   | <20 | 0.13 | <10 | <10 | 47  | <10 | 39  | <0.001 | 0.013 | 0.010 | <0.005  |

| SAMPLE  | Descriptions                         | Northing | Easting | Ag   | Al   | As | B   | Ba  | Be   | Bi | Ca    | Cd   | Co | Cr   | Cu  | Fe    | Ga  | Hg | K     |
|---------|--------------------------------------|----------|---------|------|------|----|-----|-----|------|----|-------|------|----|------|-----|-------|-----|----|-------|
| H098451 | Gabbro with >10% py                  | 5425819  | 446027  | <0.2 | 2.24 | <2 | <10 | 30  | <0.5 | <2 | 0.70  | <0.5 | 21 | 393  | 19  | 3.73  | <10 | <1 | 0.07  |
| H098452 | Weakly Chl Gabbro                    | 5425853  | 446044  | <0.2 | 1.47 | <2 | <10 | 110 | <0.5 | <2 | 1.26  | <0.5 | 32 | 240  | 71  | 2.91  | <10 | <1 | 0.16  |
| H098453 | Gabbro with 1% py-po                 | 5425857  | 446033  | <0.2 | 1.00 | 2  | <10 | 20  | <0.5 | <2 | 0.83  | <0.5 | 9  | 41   | 3   | 1.02  | <10 | <1 | 0.04  |
| H098454 | Basalt with 1% py                    | 5425900  | 446010  | <0.2 | 2.73 | <2 | <10 | 10  | <0.5 | <2 | 0.77  | <0.5 | 30 | 156  | 53  | 4.34  | <10 | <1 | 0.01  |
| H098455 | Basalt with sheared carb-chl alt     | 5425918  | 4465991 | <0.2 | 0.03 | <2 | <10 | <10 | <0.5 | <2 | 0.03  | <0.5 | <1 | 14   | 1   | 0.20  | <10 | <1 | <0.01 |
| H098456 | QV                                   | 5425918  | 4465991 | <0.2 | 0.44 | <2 | <10 | <10 | <0.5 | <2 | 0.42  | <0.5 | 8  | 28   | 34  | 1.30  | <10 | <1 | <0.01 |
| H098457 | QV                                   | 5425918  | 4465991 | <0.2 | 1.87 | <2 | <10 | 10  | <0.5 | <2 | 1.25  | <0.5 | 17 | 205  | 17  | 3.10  | 10  | <1 | 0.02  |
| H098458 | Sheared Basalt with qtz-carb-qv      | 5425918  | 4465991 | <0.2 | 2.88 | 2  | <10 | 10  | <0.5 | <2 | 0.58  | <0.5 | 40 | 325  | 36  | 5.30  | 10  | <1 | 0.01  |
| H098459 | Sheared Greywacke                    | 5425955  | 4465966 | <0.2 | 0.89 | <2 | <10 | 20  | <0.5 | <2 | 0.40  | <0.5 | 4  | 10   | 9   | 1.45  | <10 | <1 | 0.08  |
| H098460 | Basalt with qv-py                    | 5427160  | 446419  | <0.2 | 0.53 | 2  | <10 | <10 | <0.5 | <2 | 0.27  | <0.5 | 62 | 1615 | 8   | 2.91  | <10 | <1 | <0.01 |
| H098461 | Gabbro with qv-act                   | 5426576  | 445444  | <0.2 | 1.48 | <2 | <10 | 10  | <0.5 | <2 | 0.60  | <0.5 | 14 | 76   | 4   | 2.17  | <10 | <1 | 0.02  |
| H098462 | Basalt with qv-calc                  | 5426524  | 445372  | <0.2 | 0.35 | 3  | <10 | <10 | <0.5 | <2 | 1.12  | <0.5 | 54 | 679  | 6   | 2.46  | <10 | <1 | <0.01 |
| H098463 | Basalt with qv                       | 5426523  | 445535  | <0.2 | 2.53 | <2 | <10 | 20  | <0.5 | <2 | 0.35  | <0.5 | 20 | 172  | <1  | 3.23  | <10 | <1 | 0.04  |
| H098464 | Gabbro with qv-py                    | 5426523  | 445535  | <0.2 | 2.75 | 2  | <10 | 30  | <0.5 | <2 | 0.59  | <0.5 | 30 | 41   | 89  | 5.71  | 10  | <1 | 0.10  |
| H098465 | Gabbro with shear chl-carb           | 5426562  | 445782  | <0.2 | 4.48 | <2 | <10 | 10  | <0.5 | <2 | 5.43  | <0.5 | 33 | 87   | 17  | 8.32  | 20  | <1 | 0.01  |
| H098466 | Sheared basalt with qv-py            | 5425910  | 445012  | <0.2 | 5.43 | <2 | <10 | 10  | <0.5 | <2 | 5.80  | <0.5 | 33 | 444  | 19  | 10.10 | 10  | <1 | 0.01  |
| H098467 | Sheared, Chl Basalt with qv          | 5425864  | 444986  | <0.2 | 0.35 | 2  | <10 | 10  | <0.5 | <2 | 0.60  | <0.5 | 5  | 46   | 1   | 1.00  | <10 | <1 | 0.01  |
| H098468 | Sheared Gabbro with qv-py            | 5425933  | 445064  | <0.2 | 3.84 | <2 | <10 | 20  | <0.5 | <2 | 5.86  | <0.5 | 52 | 601  | 23  | 6.82  | 10  | <1 | 0.03  |
| H098469 | Felsic Dike                          | 5425655  | 443756  | <0.2 | 0.80 | <2 | <10 | 30  | <0.5 | <2 | 0.91  | <0.5 | 7  | 16   | 1   | 1.46  | <10 | <1 | 0.10  |
| H098471 | Felsic Dike with tr py               | 5425410  | 443764  | <0.2 | 3.47 | <2 | <10 | 10  | <0.5 | 2  | 1.70  | <0.5 | 25 | <1   | 4   | 11.55 | 20  | <1 | 0.01  |
| H098472 | Meta-basalt with 1% py               | 5425532  | 443880  | <0.2 | 3.44 | 2  | <10 | 20  | <0.5 | <2 | 2.53  | <0.5 | 28 | <1   | 20  | 11.10 | 20  | <1 | 0.01  |
| H098473 | Meta-basalt with sheared, ch-py-qv   | 5425550  | 443903  | <0.2 | 2.16 | <2 | <10 | 80  | <0.5 | <2 | 2.59  | <0.5 | 18 | 13   | 17  | 4.62  | 10  | <1 | 0.41  |
| H098474 | Meta-basalt with 1% py               | 5425557  | 443964  | <0.2 | 4.96 | 4  | <10 | 40  | <0.5 | <2 | 4.54  | <0.5 | 31 | 63   | 91  | 15.90 | 20  | <1 | 0.02  |
| H098475 | Felsic dike in basalt with 1% py-chl | 5425572  | 443970  | <0.2 | 4.68 | <2 | <10 | 20  | <0.5 | <2 | 4.21  | <0.5 | 37 | 182  | 3   | 7.17  | 20  | <1 | 0.01  |
| H098476 | Felsic dike with 3% py               | 5425589  | 443997  | <0.2 | 4.68 | 3  | <10 | 10  | <0.5 | <2 | 4.57  | <0.5 | 32 | 33   | 157 | 8.93  | 20  | <1 | 0.02  |
| H098477 | Meta-basalt with 1% py               | 5425598  | 444015  | <0.2 | 4.17 | 2  | <10 | 20  | <0.5 | <2 | 3.82  | <0.5 | 22 | 55   | 21  | 7.38  | 20  | <1 | 0.04  |
| H098478 | Felsic dike in basalt with 1% py-chl | 5425620  | 444035  | <0.2 | 4.59 | <2 | <10 | 10  | <0.5 | <2 | 4.86  | <0.5 | 26 | 70   | 49  | 8.87  | 20  | <1 | 0.01  |
| H098479 | Meta-basalt with carb-qtz-py         | 5425647  | 444073  | <0.2 | 3.41 | <2 | <10 | <10 | <0.5 | <2 | 12.25 | <0.5 | 19 | 30   | 117 | 6.03  | 10  | <1 | <0.01 |
| H098480 | Meta-basalt with qtz-carb alt.       | 5425647  | 444073  | <0.2 | 5.98 | <2 | <10 | <10 | <0.5 | <2 | 0.85  | <0.5 | 37 | 79   | 107 | 10.20 | 20  | <1 | <0.01 |
| H098481 | Mafic fragmental with tr py          | 5425685  | 444093  | <0.2 | 4.13 | <2 | <10 | 20  | <0.5 | 3  | 6.96  | <0.5 | 31 | 177  | 29  | 8.46  | 20  | <1 | 0.02  |
| H098482 | Meta-basalt with qv-py               | 5425709  | 444135  | 0.3  | 5.57 | 9  | <10 | 20  | <0.5 | 3  | 3.68  | <0.5 | 48 | 66   | 77  | 11.30 | 20  | <1 | 0.01  |
| H098483 | Meta-basalt with tr py               | 5425766  | 444184  | <0.2 | 4.68 | 2  | <10 | 10  | <0.5 | 3  | 4.24  | <0.5 | 37 | 62   | 68  | 9.07  | 20  | <1 | 0.02  |
| H098484 | Plag-phyric Basalt                   | 5425925  | 444329  | <0.2 | 3.72 | <2 | <10 | 30  | <0.5 | 3  | 2.03  | <0.5 | 33 | 115  | 40  | 5.46  | 10  | <1 | 0.04  |
| H098485 | Basalt with tr py-po                 | 5425925  | 444329  | <0.2 | 4.05 | <2 | <10 | 10  | <0.5 | 4  | 3.83  | <0.5 | 40 | <1   | 3   | 12.00 | 20  | <1 | 0.01  |
| H098486 | Meta-basalt with 1% py               | 5425964  | 444399  | 0.3  | 3.85 | <2 | <10 | 40  | <0.5 | 2  | 4.36  | <0.5 | 41 | 65   | 48  | 9.09  | 20  | <1 | 0.04  |

| SAMPLE  | La  | Mg    | Mn   | Mo | Na    | Ni   | P    | Pb | S     | Sb | Sc | Sr  | Th  | Ti   | Tl  | U   | V   | W   | Zn  | Au     | Pt    | Pd    | Au (FA) |
|---------|-----|-------|------|----|-------|------|------|----|-------|----|----|-----|-----|------|-----|-----|-----|-----|-----|--------|-------|-------|---------|
| H098451 | <10 | 1.66  | 775  | <1 | 0.05  | 61   | 160  | <2 | 0.01  | <2 | 5  | 11  | <20 | 0.11 | <10 | <10 | 54  | <10 | 48  | <0.001 | 0.010 | 0.008 | <0.005  |
| H098452 | <10 | 0.91  | 812  | <1 | 0.08  | 109  | 140  | <2 | 0.05  | <2 | 5  | 6   | <20 | 0.09 | <10 | <10 | 40  | <10 | 30  |        |       |       | <0.005  |
| H098453 | <10 | 0.66  | 303  | <1 | 0.05  | 14   | 200  | <2 | <0.01 | <2 | 2  | 11  | <20 | 0.12 | <10 | <10 | 23  | <10 | 19  |        |       |       | <0.005  |
| H098454 | <10 | 2.48  | 1135 | <1 | 0.01  | 63   | 510  | <2 | 0.03  | <2 | 3  | 10  | <20 | 0.09 | <10 | <10 | 64  | <10 | 55  |        |       |       | <0.005  |
| H098455 | <10 | 0.02  | 31   | <1 | 0.01  | 1    | 10   | <2 | <0.01 | <2 | <1 | 1   | <20 | 0.01 | <10 | <10 | 1   | <10 | <2  |        |       |       | <0.005  |
| H098456 | <10 | 0.40  | 258  | <1 | <0.01 | 13   | 20   | <2 | 0.27  | <2 | 1  | 1   | <20 | 0.02 | <10 | <10 | 15  | <10 | 11  |        |       |       | <0.005  |
| H098457 | <10 | 1.83  | 785  | <1 | 0.06  | 42   | 210  | <2 | <0.01 | <2 | 3  | 4   | <20 | 0.15 | <10 | <10 | 78  | <10 | 37  |        |       |       | 0.005   |
| H098458 | <10 | 2.20  | 1415 | <1 | 0.03  | 147  | 210  | <2 | 0.02  | <2 | 4  | 22  | <20 | 0.15 | <10 | <10 | 80  | <10 | 46  |        |       |       | <0.005  |
| H098459 | 10  | 0.54  | 403  | <1 | 0.04  | 7    | 380  | <2 | 0.02  | <2 | 1  | 31  | <20 | 0.08 | <10 | <10 | 13  | <10 | 39  |        |       |       | <0.005  |
| H098460 | <10 | 11.40 | 583  | <1 | 0.01  | 1265 | 60   | <2 | 0.02  | <2 | 4  | 5   | <20 | 0.02 | <10 | <10 | 22  | <10 | 7   |        |       |       | <0.005  |
| H098461 | <10 | 1.27  | 315  | <1 | 0.03  | 22   | 260  | <2 | <0.01 | <2 | 3  | 17  | <20 | 0.16 | <10 | <10 | 43  | <10 | 16  |        |       |       | <0.005  |
| H098462 | <10 | 10.00 | 358  | <1 | <0.01 | 1245 | 10   | <2 | 0.03  | <2 | 3  | 29  | <20 | 0.02 | <10 | <10 | 17  | <10 | 6   |        |       |       | <0.005  |
| H098463 | <10 | 2.59  | 401  | <1 | 0.03  | 45   | 300  | <2 | <0.01 | <2 | 4  | 3   | <20 | 0.12 | <10 | <10 | 67  | <10 | 20  |        |       |       | <0.005  |
| H098464 | <10 | 1.91  | 608  | <1 | 0.04  | 73   | 240  | <2 | 0.06  | <2 | 2  | 12  | <20 | 0.20 | <10 | <10 | 72  | <10 | 94  |        |       |       | <0.005  |
| H098465 | <10 | 3.22  | 861  | <1 | 0.03  | 89   | 220  | <2 | 0.01  | <2 | 20 | 128 | <20 | 0.05 | <10 | <10 | 178 | <10 | 81  |        |       |       | <0.005  |
| H098466 | <10 | 3.57  | 3000 | <1 | 0.02  | 88   | 200  | <2 | 0.03  | <2 | 34 | 103 | <20 | 0.11 | <10 | <10 | 204 | <10 | 102 |        |       |       | <0.005  |
| H098467 | <10 | 0.26  | 231  | <1 | 0.01  | 19   | 130  | <2 | <0.01 | <2 | 2  | 10  | <20 | 0.03 | <10 | <10 | 13  | <10 | 7   |        |       |       | <0.005  |
| H098468 | <10 | 3.28  | 1905 | <1 | 0.04  | 291  | 320  | <2 | 0.09  | <2 | 36 | 128 | <20 | 0.06 | <10 | <10 | 201 | <10 | 78  |        |       |       | <0.005  |
| H098469 | 10  | 0.39  | 146  | <1 | 0.06  | 9    | 310  | <2 | <0.01 | <2 | 1  | 52  | <20 | 0.02 | <10 | <10 | 9   | <10 | 37  |        |       |       | <0.005  |
| H098471 | <10 | 2.14  | 1745 | <1 | 0.04  | <1   | 1550 | <2 | 0.01  | <2 | 15 | 23  | <20 | 0.31 | <10 | <10 | 69  | <10 | 132 |        |       |       | <0.005  |
| H098472 | <10 | 2.00  | 1580 | <1 | 0.04  | <1   | 1240 | <2 | 0.08  | <2 | 22 | 48  | <20 | 0.32 | <10 | <10 | 103 | <10 | 123 |        |       |       | <0.005  |
| H098473 | <10 | 1.77  | 981  | <1 | 0.01  | 20   | 140  | <2 | <0.01 | <2 | 12 | 25  | <20 | 0.21 | <10 | <10 | 251 | <10 | 61  |        |       |       | <0.005  |
| H098474 | <10 | 2.98  | 2160 | 1  | 0.02  | 49   | 870  | <2 | 0.34  | <2 | 32 | 195 | <20 | 0.06 | <10 | <10 | 335 | <10 | 107 |        |       |       | <0.005  |
| H098475 | <10 | 3.94  | 1705 | <1 | 0.02  | 89   | 970  | <2 | <0.01 | <2 | 36 | 130 | <20 | 0.03 | <10 | <10 | 276 | <10 | 147 |        |       |       | <0.005  |
| H098476 | <10 | 2.51  | 1785 | <1 | 0.03  | 34   | 910  | <2 | 0.11  | <2 | 27 | 69  | <20 | 0.22 | <10 | <10 | 261 | <10 | 148 |        |       |       | <0.005  |
| H098477 | <10 | 2.24  | 1590 | <1 | 0.03  | 39   | 820  | <2 | 0.05  | 3  | 13 | 61  | <20 | 0.03 | <10 | <10 | 189 | <10 | 100 |        |       |       | <0.005  |
| H098478 | <10 | 2.21  | 1590 | <1 | 0.03  | 42   | 800  | <2 | 0.02  | <2 | 29 | 89  | <20 | 0.03 | <10 | <10 | 300 | <10 | 67  |        |       |       | <0.005  |
| H098479 | <10 | 2.06  | 2770 | <1 | 0.01  | 19   | 140  | <2 | 0.78  | <2 | 17 | 235 | <20 | 0.02 | <10 | <10 | 167 | <10 | 57  |        |       |       | <0.005  |
| H098480 | <10 | 4.34  | 918  | <1 | 0.02  | 55   | 910  | <2 | 0.44  | <2 | 37 | 37  | <20 | 0.03 | <10 | <10 | 331 | <10 | 63  |        |       |       | <0.005  |
| H098481 | 30  | 2.61  | 2230 | <1 | 0.03  | 114  | 2200 | <2 | 0.09  | <2 | 25 | 253 | <20 | 0.02 | <10 | <10 | 238 | <10 | 122 |        |       |       | <0.005  |
| H098482 | <10 | 2.96  | 2240 | <1 | 0.01  | 71   | 790  | <2 | 0.88  | <2 | 37 | 96  | <20 | 0.01 | <10 | <10 | 343 | <10 | 200 |        |       |       | <0.005  |
| H098483 | <10 | 2.26  | 2440 | <1 | 0.02  | 49   | 760  | <2 | 0.11  | <2 | 26 | 101 | <20 | 0.01 | <10 | <10 | 267 | <10 | 110 |        |       |       | <0.005  |
| H098484 | <10 | 3.07  | 929  | <1 | 0.03  | 83   | 400  | <2 | 0.02  | <2 | 4  | 35  | <20 | 0.32 | <10 | <10 | 96  | <10 | 76  |        |       |       | <0.005  |
| H098485 | <10 | 3.28  | 1560 | <1 | 0.02  | <1   | 530  | <2 | 0.01  | <2 | 32 | 28  | <20 | 0.64 | <10 | <10 | 553 | <10 | 129 |        |       |       | <0.005  |
| H098486 | <10 | 1.62  | 2310 | <1 | 0.03  | 59   | 830  | <2 | 0.19  | <2 | 25 | 162 | <20 | 0.10 | <10 | <10 | 279 | <10 | 88  |        |       |       | <0.005  |

| SAMPLE  | Descriptions                                                | Northing | Easting | Ag   | Al   | As | B   | Ba  | Be   | Bi | Ca   | Cd   | Co | Cr  | Cu  | Fe   | Ga  | Hg | K     |
|---------|-------------------------------------------------------------|----------|---------|------|------|----|-----|-----|------|----|------|------|----|-----|-----|------|-----|----|-------|
| H098487 | Shear felsic dike + ank-qv-py                               | 5425973  | 444430  | <0.2 | 2.23 | <2 | <10 | 10  | <0.5 | <2 | 5.52 | <0.5 | 24 | 203 | 25  | 4.86 | 10  | <1 | 0.01  |
| H098488 | Carb Alt Meta-basalt + tr py                                | 5426049  | 444524  | <0.2 | 4.49 | 7  | <10 | 50  | <0.5 | <2 | 5.06 | <0.5 | 67 | 901 | 10  | 7.43 | 10  | <1 | 0.06  |
| H098489 | Sheared basalt                                              | 5416979  | 441178  | 0.4  | 4.57 | <2 | <10 | 90  | <0.5 | <2 | 5.58 | <0.5 | 26 | 465 | <1  | 6.46 | 10  | <1 | 0.40  |
| H098490 | Meta-basalt + qtz-carb-py alt.                              | 5416983  | 441189  | 0.2  | 3.29 | <2 | <10 | 30  | <0.5 | 2  | 3.56 | <0.5 | 37 | 111 | 72  | 6.85 | 20  | <1 | 0.06  |
| H098491 | Meta-basalt with 2% py                                      | 5417003  | 441238  | 0.2  | 1.88 | <2 | <10 | 20  | <0.5 | 2  | 1.56 | <0.5 | 25 | 30  | 107 | 4.64 | 10  | <1 | 0.11  |
| H098492 | Felsic dike with trace py                                   | 5417003  | 441238  | <0.2 | 0.76 | <2 | <10 | 80  | <0.5 | <2 | 0.72 | <0.5 | 5  | 8   | 13  | 1.40 | <10 | <1 | 0.18  |
| H098493 | Felsic dike with carb-qv-py                                 | 5417333  | 441417  | <0.2 | 0.76 | <2 | <10 | 80  | <0.5 | <2 | 0.72 | <0.5 | 5  | 8   | 13  | 1.40 | <10 | <1 | 0.18  |
| H098494 | Meta-basalt with 3-5% py                                    | 5417114  | 440947  | 0.5  | 1.90 | 2  | <10 | 90  | <0.5 | 3  | 0.86 | <0.5 | 42 | 29  | 159 | 5.46 | 10  | <1 | 0.28  |
| H098495 | Fine Gabbro with 2% py-po-mgt                               | 5416475  | 440893  | <0.2 | 1.04 | 4  | <10 | 20  | <0.5 | 2  | 1.15 | <0.5 | 23 | 6   | 79  | 8.01 | 10  | <1 | 0.10  |
| H098500 | Carb Alt Basalt with 2-3% py +/- cpy                        | 5426216  | 444650  | <0.2 | 2.91 | <2 | <10 | 20  | <0.5 | 3  | 2.38 | <0.5 | 23 | 47  | 65  | 4.55 | 10  | <1 | 0.02  |
| C371001 | Amygdaloidal basalt and tr py                               | 5426216  | 444650  | <0.2 | 4.18 | <2 | <10 | 10  | <0.5 | 2  | 4.66 | <0.5 | 44 | 72  | 126 | 9.33 | 20  | <1 | 0.01  |
| C371002 | Felsic Dike with Ank-Ser-Silc Alt + <2% py                  | 5425328  | 443784  | 0.2  | 3.70 | 8  | <10 | 30  | <0.5 | 3  | 1.57 | <0.5 | 33 | 97  | 45  | 5.89 | 10  | <1 | 0.05  |
| C371003 | Felsic Dike                                                 | 5425261  | 443835  | 0.2  | 1.54 | 4  | <10 | 40  | <0.5 | 3  | 1.35 | <0.5 | 6  | 4   | 11  | 3.16 | 10  | <1 | 0.09  |
| C371075 | Silc Alt Felsic dike with tr py                             | 5417192  | 440920  | 0.2  | 0.56 | 3  | <10 | 40  | <0.5 | <2 | 0.38 | <0.5 | 2  | 5   | 2   | 0.85 | <10 | <1 | 0.08  |
| C371076 | Felsic dike with 8% py +/- tr cpy                           | 5417195  | 440933  | <0.2 | 2.48 | 2  | <10 | 40  | <0.5 | 4  | 1.85 | <0.5 | 19 | 1   | 90  | 6.00 | 10  | <1 | 1.09  |
| C371077 | Sheared melanogabbro with <1% py-po                         | 5417183  | 440938  | <0.2 | 3.51 | <2 | <10 | 210 | <0.5 | <2 | 1.27 | <0.5 | 24 | 65  | 66  | 4.74 | 10  | <1 | 0.84  |
| C371078 | Silc-Epid Alt Felsic Dike with <1% py                       | 5417195  | 440933  | <0.2 | 0.42 | 4  | <10 | 50  | <0.5 | <2 | 0.70 | <0.5 | 1  | 21  | 13  | 0.87 | <10 | <1 | 0.09  |
| C371257 | Alt Felsic Dike with foliated & wk hem-ser and 1%py boulder | 5417357  | 440952  | <0.2 | 0.69 | <2 | <10 | 40  | <0.5 | <2 | 0.41 | <0.5 | 5  | 11  | 12  | 1.17 | <10 | <1 | 0.25  |
| C371258 | Silicified Basalt with hem & plag phenocrysts               | 5417262  | 440983  | <0.2 | 2.30 | <2 | <10 | 70  | <0.5 | <2 | 1.07 | <0.5 | 15 | 66  | 26  | 3.25 | 10  | <1 | 0.15  |
| C371259 | Carb Alt Basalt with silc-epid alt                          | 5417256  | 440995  | <0.2 | 2.64 | 2  | <10 | 10  | <0.5 | <2 | 2.32 | <0.5 | 18 | 35  | 40  | 3.96 | 10  | <1 | <0.01 |
| C371260 | Carb Alt Basalt and <1% py                                  | 5417249  | 441001  | <0.2 | 2.64 | 16 | <10 | 20  | <0.5 | <2 | 1.24 | <0.5 | 26 | 105 | 38  | 5.37 | 10  | <1 | 0.02  |
| C371261 | Mafic Fragmental with epid-carb alt                         | 5417246  | 441987  | <0.2 | 1.90 | 8  | <10 | 10  | <0.5 | <2 | 1.64 | <0.5 | 17 | 52  | 65  | 3.24 | <10 | <1 | 0.03  |
| C371262 | Silc Alt Basalt with hem-carb alt & qv, <1% gal, tr cov ?   | 5417246  | 440984  | <0.2 | 1.95 | 3  | <10 | 20  | <0.5 | <2 | 3.98 | <0.5 | 32 | 95  | 111 | 5.21 | <10 | 1  | 0.04  |
| C371263 | Basalt with wk silc + tr py boulder                         | 5417255  | 440986  | <0.2 | 2.61 | 3  | <10 | 30  | <0.5 | <2 | 0.70 | <0.5 | 21 | 218 | 24  | 4.37 | <10 | 1  | 0.11  |
| C371264 | Silicified Conglomerate with recrystallized and <1% py      | 5417213  | 440995  | <0.2 | 1.75 | <2 | <10 | 20  | <0.5 | <2 | 1.37 | <0.5 | 12 | 33  | 36  | 3.23 | 10  | <1 | 0.05  |
| C371265 | Basalt with hem alt, <5% py + tr cpy                        | 5417215  | 441008  | <0.2 | 3.02 | <2 | <10 | 70  | <0.5 | <2 | 0.94 | <0.5 | 29 | 15  | 32  | 7.16 | 10  | <1 | 0.02  |
| C371266 | Massive Basalt                                              | 5417286  | 441055  | <0.2 | 2.32 | 9  | <10 | 10  | <0.5 | <2 | 0.93 | <0.5 | 17 | 138 | 62  | 3.80 | <10 | <1 | 0.04  |

| SAMPLE  | La  | Mg   | Mn   | Mo | Na   | Ni         | P    | Pb | S     | Sb | Sc | Sr  | Th  | Ti    | Tl  | U   | V   | W   | Zn         | Au    | Pt     | Pd     | Au (FA)      |
|---------|-----|------|------|----|------|------------|------|----|-------|----|----|-----|-----|-------|-----|-----|-----|-----|------------|-------|--------|--------|--------------|
| H098487 | 70  | 3.80 | 1070 | <1 | 0.04 | <b>167</b> | 4620 | 2  | 0.04  | <2 | 11 | 732 | <20 | 0.01  | <10 | <10 | 98  | <10 | 93         |       |        |        | <0.005       |
| H098488 | <10 | 2.92 | 2390 | <1 | 0.01 | <b>367</b> | 230  | <2 | 0.09  | <2 | 17 | 101 | <20 | 0.01  | <10 | <10 | 132 | <10 | <b>148</b> |       |        |        | <0.005       |
| H098489 | 40  | 4.46 | 1690 | <1 | 0.01 | <b>145</b> | 1430 | <2 | <0.01 | <2 | 17 | 126 | <20 | 0.09  | <10 | <10 | 130 | <10 | <b>134</b> |       |        |        | <0.005       |
| H098490 | 10  | 1.61 | 1055 | <1 | 0.03 | 46         | 810  | <2 | 0.01  | <2 | 19 | 64  | <20 | 0.10  | <10 | <10 | 241 | <10 | <b>103</b> |       |        |        | 0.006        |
| H098491 | 10  | 0.75 | 627  | <1 | 0.16 | 26         | 960  | <2 | 0.27  | <2 | 13 | 16  | <20 | 0.17  | <10 | <10 | 136 | <10 | 71         |       |        |        | 0.005        |
| H098492 | 10  | 0.36 | 296  | <1 | 0.04 | 5          | 330  | 2  | 0.01  | <2 | 1  | 12  | <20 | 0.06  | <10 | <10 | 11  | <10 | 22         |       |        |        | <0.005       |
| H098493 | 10  | 0.36 | 296  | <1 | 0.04 | 5          | 330  | 2  | 0.01  | <2 | 1  | 12  | <20 | 0.06  | <10 | <10 | 11  | <10 | 22         |       |        |        | <0.005       |
| H098494 | <10 | 1.37 | 829  | <1 | 0.09 | 40         | 250  | <2 | 1.21  | <2 | 10 | 13  | <20 | 0.13  | <10 | <10 | 90  | <10 | <b>135</b> |       |        |        | 0.005        |
| H098495 | 10  | 0.51 | 318  | <1 | 0.12 | 1          | 1840 | <2 | 0.36  | <2 | 9  | 15  | <20 | 0.17  | <10 | <10 | 9   | <10 | 19         |       |        |        | <0.005       |
| H098500 | 10  | 2.15 | 893  | <1 | 0.01 | 83         | 580  | <2 | <0.01 | <2 | 4  | 41  | <20 | 0.33  | <10 | <10 | 76  | <10 | 80         |       |        |        | <0.005       |
| C371001 | 10  | 2.46 | 1385 | <1 | 0.02 | 56         | 830  | <2 | 0.40  | <2 | 34 | 112 | <20 | 0.09  | <10 | <10 | 337 | <10 | <b>122</b> |       |        |        | <0.005       |
| C371002 | <10 | 3.09 | 915  | <1 | 0.03 | <b>123</b> | 310  | <2 | 0.10  | 2  | 2  | 29  | <20 | 0.23  | <10 | <10 | 83  | <10 | 78         |       |        |        | <0.005       |
| C371003 | 10  | 0.73 | 597  | <1 | 0.04 | 7          | 380  | <2 | 0.15  | <2 | 1  | 59  | <20 | <0.01 | <10 | <10 | 12  | <10 | <b>186</b> |       |        |        | <0.005       |
| C371075 | 10  | 0.28 | 175  | 1  | 0.01 | 2          | 110  | 4  | 0.04  | <2 | 1  | 46  | <20 | 0.04  | <10 | <10 | 4   | <10 | 17         |       |        |        | <0.005       |
| C371076 | 50  | 1.74 | 757  | <1 | 0.06 | <1         | 1970 | 6  | 2.44  | <2 | 8  | 78  | <20 | 0.31  | <10 | <10 | 104 | <10 | 76         |       |        |        | <0.005       |
| C371077 | 20  | 3.49 | 677  | <1 | 0.03 | 67         | 1200 | <2 | 0.05  | <2 | 5  | 29  | <20 | 0.18  | <10 | <10 | 115 | <10 | 81         | 0.002 | <0.005 | <0.001 |              |
| C371078 | 10  | 0.13 | 85   | <1 | 0.01 | 3          | 170  | <2 | 0.11  | <2 | 1  | 41  | <20 | 0.07  | <10 | <10 | 7   | <10 | 8          |       |        |        | <0.005       |
| C371257 | 10  | 0.34 | 203  | <1 | 0.08 | 5          | 370  | <2 | 0.07  | <2 | 1  | 42  | <20 | 0.10  | <10 | <10 | 17  | <10 | 24         |       |        |        | <0.005       |
| C371258 | 10  | 1.48 | 627  | <1 | 0.15 | 63         | 710  | <2 | 0.04  | <2 | 3  | 28  | <20 | 0.19  | <10 | <10 | 46  | <10 | 71         |       |        |        | <0.005       |
| C371259 | 10  | 1.93 | 649  | <1 | 0.07 | 55         | 650  | <2 | <0.01 | <2 | 3  | 49  | <20 | 0.24  | <10 | <10 | 53  | <10 | 65         |       |        |        | <0.005       |
| C371260 | <10 | 1.98 | 762  | <1 | 0.05 | 70         | 310  | <2 | 0.01  | <2 | 2  | 55  | <20 | 0.36  | <10 | <10 | 57  | <10 | 90         |       |        |        | <0.005       |
| C371261 | <10 | 1.44 | 519  | <1 | 0.06 | 56         | 460  | 3  | 0.01  | <2 | 2  | 45  | <20 | 0.26  | <10 | <10 | 45  | <10 | 57         |       |        |        | <0.005       |
| C371262 | <10 | 2.59 | 992  | <1 | 0.04 | 90         | 220  | <2 | 0.15  | <2 | 12 | 37  | <20 | 0.01  | <10 | <10 | 61  | <10 | 61         |       |        |        | <b>0.752</b> |
| C371263 | 10  | 2.31 | 604  | <1 | 0.04 | 99         | 1070 | <2 | <0.01 | <2 | 2  | 23  | <20 | 0.19  | <10 | <10 | 40  | <10 | 69         |       |        |        | <0.005       |
| C371264 | 10  | 1.10 | 777  | <1 | 0.07 | 18         | 340  | 6  | 0.05  | <2 | 4  | 63  | <20 | 0.14  | <10 | <10 | 47  | <10 | 80         |       |        |        | <0.005       |
| C371265 | <10 | 2.04 | 914  | <1 | 0.05 | 23         | 640  | <2 | 0.10  | <2 | 4  | 14  | <20 | 0.55  | <10 | <10 | 166 | <10 | 79         |       |        |        | <0.005       |
| C371266 | 10  | 1.91 | 556  | <1 | 0.05 | 87         | 990  | <2 | <0.01 | <2 | 2  | 48  | <20 | 0.24  | <10 | <10 | 42  | <10 | 66         |       |        |        | <0.005       |



| SAMPLE  | Descriptions                                                           | Northing | Easting | Ag   | Al   | As | B   | Ba  | Be   | Bi | Ca   | Cd   | Co | Cr  | Cu  | Fe    | Ga  | Hg | K     |
|---------|------------------------------------------------------------------------|----------|---------|------|------|----|-----|-----|------|----|------|------|----|-----|-----|-------|-----|----|-------|
| C371267 | Basalt with hem stains                                                 | 5417278  | 441069  | <0.2 | 2.62 | <2 | <10 | 10  | <0.5 | <2 | 0.90 | <0.5 | 28 | 118 | 28  | 4.95  | <10 | <1 | 0.02  |
| C371268 | Gabbro with trace of py                                                | 5417282  | 441067  | <0.2 | 3.02 | <2 | <10 | 90  | <0.5 | <2 | 0.49 | <0.5 | 34 | 254 | 19  | 4.16  | <10 | <1 | 0.56  |
| C371269 | Shear Gabbro with qtz-carb veinlets, tr py-hem                         | 5417358  | 441040  | <0.2 | 1.69 | <2 | <10 | <10 | <0.5 | <2 | 1.45 | <0.5 | 23 | 41  | 121 | 3.84  | <10 | 1  | 0.03  |
| C371270 | Felsic Dike with QV-hem                                                | 5417358  | 441040  | <0.2 | 0.96 | 2  | <10 | 50  | <0.5 | <2 | 0.24 | <0.5 | 5  | 10  | 5   | 2.01  | <10 | <1 | 0.16  |
| C371271 | Conglomerate with wk carb alt                                          | 5417372  | 441015  | <0.2 | 0.97 | <2 | <10 | 60  | <0.5 | <2 | 0.41 | <0.5 | 6  | 8   | 6   | 1.60  | <10 | <1 | 0.17  |
| C371273 | Meta-Basalt with tr py, carb veinlets, strong hem stains               | 5417622  | 440915  | <0.2 | 1.40 | <2 | <10 | 20  | <0.5 | <2 | 1.25 | <0.5 | 14 | 113 | 7   | 2.56  | <10 | <1 | 0.06  |
| C371274 | Rusty Pods in Basalt with hem                                          | 5417622  | 440915  | <0.2 | 2.39 | <2 | <10 | 20  | <0.5 | <2 | 1.42 | <0.5 | 24 | 38  | 62  | 5.76  | 10  | <1 | 0.05  |
| C371275 | Felsic Dike with qtz-plag phenocrysts                                  | 5417622  | 440915  | <0.2 | 3.10 | 3  | <10 | 60  | <0.5 | <2 | 1.47 | <0.5 | 28 | 49  | 106 | 6.75  | 10  | <1 | 0.09  |
| C371278 | Sheared Felsic Dike with 8% blue-grey qtz eyes & Fe-chlorite           | 5417500  | 440937  | <0.2 | 4.25 | <2 | <10 | 10  | <0.5 | <2 | 3.06 | <0.5 | 38 | 20  | 74  | 12.75 | 20  | <1 | 0.01  |
| C371279 | Carb Alt Meta-Basalt as calcite alt, pods + stringers                  | 5417505  | 440932  | <0.2 | 4.32 | 4  | <10 | 10  | <0.5 | <2 | 2.08 | <0.5 | 39 | 164 | 60  | 6.19  | <10 | <1 | 0.01  |
| C371280 | Meta-Basalt with mod hem-carb alt & tr py                              | 5417483  | 440934  | <0.2 | 1.51 | <2 | <10 | 40  | <0.5 | <2 | 0.69 | <0.5 | 21 | 62  | 122 | 4.68  | 10  | <1 | 0.13  |
| C371281 | Meta-Basalt                                                            | 5417208  | 441011  | <0.2 | 3.86 | <2 | <10 | 10  | <0.5 | <2 | 3.09 | <0.5 | 25 | 19  | 46  | 5.78  | 10  | <1 | <0.01 |
| C371327 | Gabbro with weak silica alt & tr py                                    | 5414586  | 438556  | <0.2 | 1.47 | <2 | <10 | 20  | <0.5 | <2 | 1.28 | <0.5 | 13 | 55  | 87  | 2.44  | <10 | 1  | 0.13  |
| C371328 | Gabbro with silc alt, malachite on fractures & <2% py                  | 5414595  | 438531  | 0.3  | 1.09 | <2 | <10 | 10  | <0.5 | <2 | 1.24 | <0.5 | 11 | 55  | 186 | 2.05  | <10 | <1 | 0.11  |
| C371329 | Gabbro with wk silc-epd-hem                                            | 5414624  | 438547  | 0.3  | 1.60 | <2 | <10 | 40  | <0.5 | <2 | 1.12 | <0.5 | 16 | 86  | 322 | 2.67  | <10 | 1  | 0.23  |
| C371330 | Basalt with hem alt shears                                             | 5414664  | 438500  | 0.6  | 1.29 | <2 | <10 | 10  | <0.5 | <2 | 0.96 | <0.5 | 13 | 96  | 761 | 2.38  | <10 | <1 | 0.04  |
| C371331 | Gabbro with ser-silc-hem alt + qv                                      | 5414842  | 438560  | 0.3  | 1.12 | 2  | <10 | 40  | <0.5 | <2 | 0.87 | <0.5 | 16 | 1   | 123 | 4.69  | 10  | <1 | 0.18  |
| C371332 | Gabbro / Felsite Dike (transitional zone) with >50% epid-chl-silic alt | 5414842  | 438560  | 0.5  | 0.36 | 3  | <10 | 10  | <0.5 | <2 | 0.32 | <0.5 | 3  | 7   | 144 | 0.67  | <10 | <1 | 0.02  |
| C371334 | Leuco-gabbro with epid alt, <1% py and qv                              | 5414872  | 438592  | <0.2 | 1.08 | <2 | <10 | 10  | <0.5 | <2 | 1.01 | <0.5 | 9  | 7   | 89  | 1.91  | <10 | <1 | 0.09  |
| C371335 | Silc Alt Felsic Dike with <2% epid-chl alt                             | 5414920  | 438583  | <0.2 | 0.42 | <2 | <10 | 20  | <0.5 | <2 | 0.28 | <0.5 | 2  | 5   | 4   | 0.51  | <10 | <1 | 0.06  |
| C371336 | Meta-Arkose with wk hem-py                                             | 5414922  | 438582  | 0.2  | 0.33 | <2 | <10 | 10  | <0.5 | 2  | 0.50 | <0.5 | 2  | 28  | 59  | 0.57  | <10 | <1 | 0.03  |
| C371337 | Gabbro with wk hem-chl-py                                              | 5414960  | 438588  | <0.2 | 0.32 | <2 | <10 | 10  | <0.5 | <2 | 0.64 | <0.5 | 2  | 44  | 172 | 0.49  | <10 | <1 | 0.01  |
| C371338 | Sheared Felsic Dike with qv-py                                         | 5415011  | 438452  | <0.2 | 0.52 | <2 | <10 | 10  | <0.5 | <2 | 0.11 | <0.5 | 2  | 8   | 5   | 1.00  | <10 | <1 | 0.03  |
| C371383 | Felsic Dike with wk epid-ser and qv                                    | 5415503  | 439013  | <0.2 | 4.01 | <2 | <10 | 10  | <0.5 | <2 | 3.93 | <0.5 | 33 | <1  | 93  | 9.96  | 20  | <1 | 0.01  |
| C371384 | Felsic Dike with small QV                                              | 5415528  | 438975  | <0.2 | 1.06 | <2 | <10 | 120 | <0.5 | <2 | 0.69 | <0.5 | 7  | 23  | 22  | 1.19  | <10 | <1 | 0.67  |

| SAMPLE  | La  | Mg   | Mn   | Mo | Na   | Ni  | P    | Pb | S     | Sb | Sc | Sr  | Th  | Ti   | Tl  | U   | V   | W   | Zn  | Au    | Pt     | Pd     | Au (FA) |
|---------|-----|------|------|----|------|-----|------|----|-------|----|----|-----|-----|------|-----|-----|-----|-----|-----|-------|--------|--------|---------|
| C371267 | <10 | 1.93 | 650  | <1 | 0.04 | 79  | 310  | <2 | <0.01 | <2 | 4  | 25  | <20 | 0.35 | <10 | <10 | 78  | <10 | 54  |       |        |        | <0.005  |
| C371268 | 10  | 3.53 | 299  | <1 | 0.06 | 255 | 700  | <2 | 0.02  | <2 | 2  | 15  | <20 | 0.12 | <10 | <10 | 37  | <10 | 56  | 0.001 | <0.005 | 0.001  |         |
| C371269 | <10 | 1.03 | 530  | <1 | 0.12 | 45  | 580  | <2 | 0.15  | <2 | 6  | 19  | <20 | 0.30 | <10 | <10 | 78  | <10 | 40  | 0.002 | <0.005 | 0.001  |         |
| C371270 | 10  | 0.52 | 249  | <1 | 0.11 | 7   | 270  | <2 | 0.01  | <2 | 1  | 12  | <20 | 0.08 | <10 | <10 | 22  | <10 | 24  |       |        |        | <0.005  |
| C371271 | 10  | 0.59 | 262  | <1 | 0.07 | 8   | 290  | <2 | <0.01 | <2 | 1  | 16  | <20 | 0.05 | <10 | <10 | 10  | <10 | 45  |       |        |        | <0.005  |
| C371273 | <10 | 0.99 | 556  | <1 | 0.06 | 41  | 130  | <2 | 0.01  | <2 | 4  | 18  | <20 | 0.14 | <10 | <10 | 42  | <10 | 28  |       |        |        | <0.005  |
| C371274 | <10 | 1.41 | 800  | <1 | 0.16 | 44  | 730  | <2 | 0.06  | <2 | 9  | 17  | <20 | 0.22 | <10 | <10 | 115 | <10 | 93  |       |        |        | <0.005  |
| C371275 | <10 | 2.35 | 853  | <1 | 0.09 | 46  | 640  | 2  | 0.17  | <2 | 6  | 26  | <20 | 0.23 | <10 | <10 | 144 | <10 | 151 |       |        |        | <0.005  |
| C371278 | <10 | 2.25 | 1240 | <1 | 0.04 | 20  | 540  | <2 | 0.03  | <2 | 32 | 30  | <20 | 0.26 | <10 | <10 | 489 | <10 | 160 |       |        |        | <0.005  |
| C371279 | <10 | 4.24 | 1025 | <1 | 0.02 | 88  | 180  | <2 | 0.01  | <2 | 13 | 44  | <20 | 0.18 | <10 | <10 | 109 | <10 | 69  |       |        |        | <0.005  |
| C371280 | <10 | 0.71 | 329  | <1 | 0.13 | 34  | 630  | <2 | 0.32  | <2 | 12 | 34  | <20 | 0.17 | <10 | <10 | 152 | <10 | 40  |       |        |        | <0.005  |
| C371281 | 10  | 2.63 | 946  | <1 | 0.05 | 50  | 570  | <2 | <0.01 | <2 | 8  | 61  | <20 | 0.03 | <10 | <10 | 96  | <10 | 89  |       |        |        | <0.005  |
| C371327 | <10 | 1.22 | 283  | 1  | 0.1  | 22  | 430  | <2 | 0.01  | <2 | 10 | 24  | <20 | 0.19 | <10 | <10 | 76  | <10 | 28  | 0.005 | 0.012  | 0.005  |         |
| C371328 | <10 | 0.90 | 192  | 5  | 0.1  | 15  | 360  | <2 | 0.05  | <2 | 6  | 16  | <20 | 0.21 | <10 | <10 | 64  | <10 | 13  | 0.015 | 0.006  | 0.004  |         |
| C371329 | <10 | 1.35 | 252  | <1 | 0.09 | 27  | 300  | <2 | 0.06  | <2 | 7  | 16  | <20 | 0.20 | <10 | <10 | 73  | <10 | 17  | 0.014 | 0.007  | 0.006  |         |
| C371330 | <10 | 1.09 | 152  | 2  | 0.07 | 29  | 300  | <2 | 0.12  | <2 | 5  | 44  | <20 | 0.20 | <10 | <10 | 57  | <10 | 19  | 0.014 | 0.006  | 0.007  |         |
| C371331 | <10 | 0.93 | 152  | 39 | 0.07 | 10  | 390  | <2 | 0.05  | <2 | 5  | 20  | <20 | 0.24 | <10 | <10 | 142 | <10 | 22  | 0.017 | <0.005 | <0.001 |         |
| C371332 | <10 | 0.22 | 56   | 91 | 0.06 | 3   | 260  | <2 | 0.02  | <2 | 1  | 17  | <20 | 0.08 | <10 | <10 | 20  | <10 | 4   | 0.010 | <0.005 | <0.001 |         |
| C371334 | <10 | 0.92 | 151  | 1  | 0.08 | 15  | 330  | <2 | <0.01 | <2 | 6  | 20  | <20 | 0.18 | <10 | <10 | 61  | <10 | 18  |       |        |        | 0.010   |
| C371335 | <10 | 0.25 | 58   | 2  | 0.06 | 2   | 230  | <2 | <0.01 | <2 | <1 | 35  | <20 | 0.08 | <10 | <10 | 9   | <10 | 9   |       |        |        | <0.005  |
| C371336 | 10  | 0.26 | 61   | <1 | 0.07 | 8   | 940  | <2 | <0.01 | <2 | 1  | 32  | <20 | 0.11 | <10 | <10 | 20  | <10 | 6   |       |        |        | 0.008   |
| C371337 | 30  | 0.33 | 46   | <1 | 0.07 | 13  | 1630 | <2 | 0.01  | <2 | 1  | 18  | <20 | 0.11 | <10 | <10 | 21  | <10 | 5   | 0.001 | <0.005 | <0.001 |         |
| C371338 | <10 | 0.44 | 77   | <1 | 0.05 | 2   | 240  | <2 | 0.01  | <2 | 1  | 15  | <20 | 0.03 | <10 | <10 | 13  | <10 | 13  |       |        |        | <0.005  |
| C371383 | <10 | 2.11 | 1405 | <1 | 0.02 | 8   | 920  | <2 | 0.09  | <2 | 36 | 178 | <20 | 0.08 | <10 | <10 | 332 | <10 | 172 |       |        |        | <0.005  |
| C371384 | 10  | 0.77 | 217  | <1 | 0.04 | 20  | 490  | <2 | 0.01  | <2 | 1  | 65  | <20 | 0.12 | <10 | <10 | 19  | <10 | 43  |       |        |        | <0.005  |





**APPENDIX C**

**Stares Contracting Crew  
Sampling 2008**

| Sample No. | UTM NAD83 |          | Description                                             | Ag   | Al   | As  | B   | Ba  | Be   | Bi  | Ca   | Cd   | Co  | Cr  | Cu   | Fe    | Ga  | Hg  | K     | La  | Mg   |
|------------|-----------|----------|---------------------------------------------------------|------|------|-----|-----|-----|------|-----|------|------|-----|-----|------|-------|-----|-----|-------|-----|------|
|            | Eastings  | Northing |                                                         | ppm  | %    | ppm | ppm | ppm | ppm  | ppm | %    | ppm  | ppm | ppm | ppm  | %     | ppm | ppm | %     | ppm | %    |
| 369501     | 436768    | 5426836  | Qtz,m.g., trench, Py.                                   | 0.2  | 3.34 | <2  | <10 | 20  | <0.5 | <2  | 1.10 | <0.5 | 33  | 97  | 161  | 5.22  | 10  | <1  | 0.08  | <10 | 2.49 |
| 369502     | 436774    | 5426866  | Qtz vein, 4" wide, cpy-py                               | 6.9  | 0.03 | <2  | <10 | <10 | <0.5 | 27  | 0.02 | <0.5 | 3   | 11  | 1523 | 3.40  | <10 | <1  | <0.01 | <10 | 0.02 |
| 369503     | 436775    | 5426876  | Qtz, f.g., trench found on contact in qtz, cpy-py.      | 1.4  | 2.01 | <2  | <10 | 30  | <0.5 | 3   | 4.67 | <0.5 | 40  | 68  | 434  | 6.98  | <10 | <1  | 0.45  | <10 | 3.02 |
| 369504     | 437185    | 5426053  | Qtz, 1.5' wide, magnetic, Py.                           | 0.9  | 1.61 | <2  | <10 | <10 | <0.5 | 3   | 0.28 | 8.6  | 58  | 34  | 798  | 6.25  | 10  | <1  | 0.01  | 10  | 1.29 |
| 369505     | 436727    | 5426277  | Quartz, slightly magnetic, burnt rusty.                 | 0.7  | 1.82 | <2  | <10 | 10  | <0.5 | 4   | 0.27 | 1.4  | 22  | 45  | 447  | 8.37  | 10  | <1  | 0.05  | 10  | 1.30 |
| 369506     | 437678    | 5426597  | Qtz, fine grained, Py.                                  | <0.2 | 1.22 | 2   | <10 | 10  | <0.5 | <2  | 0.81 | <0.5 | 15  | 38  | 88   | 2.04  | <10 | <1  | 0.03  | <10 | 0.85 |
| 369507     | 437616    | 5426598  | Gabbro, qtz vein, Py                                    | 1.3  | 0.73 | 2   | <10 | <10 | <0.5 | <2  | 0.06 | 3.0  | 130 | 20  | 822  | 7.17  | <10 | <1  | 0.03  | <10 | 0.43 |
| 369508     | 437616    | 5426598  | Gabbro, massive, Py.                                    | 1.5  | 4.37 | 10  | <10 | 10  | <0.5 | 4   | 0.21 | 13.6 | 417 | 81  | 2739 | 17.40 | 10  | <1  | 0.03  | 10  | 3.06 |
| 369509     | 437630    | 5426617  | Gabbro, quartz, Py.                                     | 0.7  | 1.88 | 3   | <10 | 10  | <0.5 | <2  | 0.47 | 3.6  | 48  | 36  | 548  | 5.83  | 10  | <1  | 0.03  | <10 | 1.27 |
| 369510     | 437655    | 5426692  | Gabbro, quartz, Py.                                     | 0.2  | 1.61 | <2  | <10 | 10  | <0.5 | <2  | 0.55 | <0.5 | 23  | 26  | 135  | 2.75  | <10 | <1  | 0.06  | <10 | 1.27 |
| 369511     | 437616    | 5426637  | Gabbro, sheared, qtz-py                                 | 0.7  | 1.41 | 2   | <10 | <10 | <0.5 | <2  | 0.43 | <0.5 | 92  | 43  | 610  | 5.03  | <10 | <1  | 0.03  | <10 | 0.93 |
| 369512     | 436868    | 5426847  | Basalt, f.g. qtz, trace Py.                             | 0.2  | 1.93 | <2  | <10 | 10  | <0.5 | <2  | 1.08 | 0.9  | 33  | 58  | 281  | 3.52  | <10 | <1  | 0.02  | <10 | 1.14 |
| 369513     | 436829    | 5427104  | Basalt, qtz, trace Py                                   | 0.2  | 1.19 | <2  | <10 | 10  | <0.5 | 4   | 0.79 | <0.5 | 15  | 45  | 140  | 2.19  | <10 | 1   | 0.03  | <10 | 0.81 |
| 369514     | 437336    | 5427322  | Qtz vein, trace sulphide, basalt host, 1' wide, 6' long | <0.2 | 0.18 | <2  | <10 | <10 | <0.5 | 3   | 0.24 | <0.5 | 3   | 15  | 34   | 0.54  | <10 | 1   | <0.01 | <10 | 0.14 |
| 369515     | 437151    | 5426845  | Basalt, fine grained qtz, rusted.                       | 0.3  | 1.19 | 2   | <10 | 30  | <0.5 | 5   | 1.34 | <0.5 | 20  | 22  | 259  | 4.50  | <10 | 1   | 0.04  | <10 | 0.66 |
| 369516     | 437230    | 5427062  | Basalt, quartz, Py.                                     | 0.5  | 0.68 | <2  | <10 | 10  | <0.5 | 5   | 0.66 | 0.8  | 124 | 37  | 950  | 6.76  | <10 | <1  | 0.03  | <10 | 0.28 |
| 369517     | 437003    | 5426644  | Basalt, quartz, Py.                                     | 0.2  | 3.19 | 3   | <10 | 20  | <0.5 | 6   | 0.89 | <0.5 | 26  | 58  | 84   | 7.00  | 10  | <1  | 0.05  | <10 | 1.99 |
| 369518     | 437766    | 5427191  | Basalt, f.g., magnetic, Py.                             | 0.2  | 1.14 | <2  | <10 | <10 | <0.5 | 3   | 0.89 | <0.5 | 18  | 21  | 149  | 2.29  | <10 | <1  | 0.03  | <10 | 0.64 |
| 369519     | 438030    | 5426688  | Basalt, fine grained, Py.                               | <0.2 | 1.15 | <2  | <10 | 10  | <0.5 | 4   | 0.78 | <0.5 | 13  | 56  | 41   | 1.85  | <10 | 1   | 0.07  | <10 | 0.87 |
| 369520     | 436733    | 5423243  | Basalt, fine grained, qtz.                              | 0.2  | 1.14 | <2  | <10 | 10  | <0.5 | 4   | 0.47 | <0.5 | 14  | 104 | 22   | 1.79  | <10 | 1   | 0.02  | <10 | 0.96 |
| 369521     | 436766    | 5426197  | Basalt, qtz, deformed vein.                             | <0.2 | 1.46 | 2   | <10 | 30  | <0.5 | 4   | 0.61 | <0.5 | 19  | 143 | 77   | 2.28  | <10 | <1  | 0.02  | <10 | 1.22 |
| 369522     | 436744    | 5425968  | Gabbro, qtz, Py.                                        | 0.2  | 2.16 | <2  | <10 | 30  | <0.5 | 4   | 1.70 | <0.5 | 27  | 259 | 88   | 3.22  | 10  | 1   | 0.09  | <10 | 2.17 |
| 369523     | 436749    | 5425899  | Qtz vein, 10" wide, altered basalt contact, trace py    | <0.2 | 1.32 | <2  | <10 | 20  | <0.5 | 4   | 0.68 | <0.5 | 15  | 32  | 50   | 2.29  | <10 | <1  | 0.04  | 10  | 0.97 |
| 369524     | 438384    | 5426147  | Py.                                                     | 0.2  | 1.54 | 2   | <10 | 10  | <0.5 | 4   | 0.64 | <0.5 | 32  | 79  | 205  | 2.58  | <10 | 1   | 0.01  | <10 | 1.20 |
| 369525     | 437444    | 5426337  | Basalt, fine grained, magnetic, Py.                     | 0.2  | 1.58 | <2  | <10 | 10  | <0.5 | 4   | 0.78 | <0.5 | 21  | 28  | 148  | 2.45  | <10 | 1   | 0.04  | <10 | 1.10 |
| 369526     | 437772    | 5427151  | Basalt, m.g., weak magnetic, qtz, trace Py.             | 0.2  | 1.69 | <2  | <10 | 10  | <0.5 | 5   | 0.96 | <0.5 | 26  | 32  | 188  | 3.62  | <10 | 1   | 0.03  | <10 | 1.20 |
| 369527     | 437745    | 5427077  | Basalt, f.g., rusted, Py.                               | 0.6  | 0.72 | <2  | <10 | 10  | <0.5 | 6   | 0.45 | 4.0  | 74  | 33  | 781  | 3.91  | 10  | <1  | 0.05  | <10 | 0.51 |
| 369528     | 437712    | 5426320  | Basalt, f.g., rusted, Py.                               | 0.7  | 2.24 | <2  | <10 | <10 | <0.5 | 8   | 0.26 | 21.7 | 65  | 40  | 831  | 6.14  | 10  | 1   | 0.01  | <10 | 1.89 |

| Sample | UTM NAD83 |         | Description                                           | Ag   | Al   | As | B   | Ba  | Be   | Bi | Ca   | Cd   | Co | Cr  | Cu  | Fe    | Ga  | Hg | K     | La  | Mg   |
|--------|-----------|---------|-------------------------------------------------------|------|------|----|-----|-----|------|----|------|------|----|-----|-----|-------|-----|----|-------|-----|------|
| 369529 | 438405    | 5426672 | Felsic, qtz, Py.                                      | 0.2  | 1.00 | 3  | <10 | 10  | <0.5 | 4  | 1.07 | <0.5 | 21 | 58  | 79  | 1.72  | <10 | <1 | 0.06  | <10 | 0.67 |
| 369530 | 438428    | 5426685 | Felsic, m.g., qtz, Py.                                | 0.2  | 1.78 | <2 | <10 | <10 | <0.5 | 4  | 0.81 | <0.5 | 22 | 58  | 99  | 2.22  | <10 | 1  | 0.02  | <10 | 1.44 |
| 369531 | 438437    | 5426773 | Felsic, qtz, 10% Py.                                  | 0.2  | 1.51 | 2  | <10 | <10 | <0.5 | 4  | 1.02 | <0.5 | 16 | 44  | 77  | 1.45  | <10 | <1 | 0.02  | <10 | 0.88 |
| 369532 | 438437    | 5426794 | Felsic, qtz, 10% Py.                                  | 0.2  | 0.99 | <2 | <10 | 10  | <0.5 | 4  | 1.15 | <0.5 | 11 | 35  | 99  | 0.90  | <10 | <1 | 0.03  | <10 | 0.42 |
| 369533 | 438516    | 5427293 | Felsic, qtz, trace Py.                                | <0.2 | 0.72 | <2 | <10 | <10 | <0.5 | 4  | 0.89 | <0.5 | 4  | 36  | 4   | 0.72  | <10 | <1 | <0.01 | <10 | 0.32 |
| 369534 | 438665    | 5427240 | Felsic, qtz, trace Py.                                | <0.2 | 3.81 | 2  | <10 | 10  | <0.5 | 6  | 2.63 | <0.5 | 19 | 38  | 132 | 1.56  | <10 | 1  | 0.01  | <10 | 0.61 |
| 369535 | 438679    | 5426692 | Felsic, Py.                                           | 0.3  | 1.41 | 2  | <10 | <10 | <0.5 | 4  | 1.00 | <0.5 | 16 | 35  | 103 | 1.38  | <10 | <1 | 0.02  | <10 | 0.58 |
| 369536 | 438988    | 5425709 | Felsic, qtz, Py.                                      | 0.2  | 1.52 | 4  | <10 | 10  | <0.5 | 4  | 0.63 | <0.5 | 22 | 63  | 63  | 2.28  | <10 | 1  | 0.02  | <10 | 1.30 |
| 369537 | 439029    | 5426147 | Felsic, trace Py.                                     | <0.2 | 2.13 | <2 | <10 | 10  | <0.5 | <2 | 1.36 | <0.5 | 22 | 78  | 91  | 2.50  | <10 | <1 | 0.02  | <10 | 1.17 |
| 369538 | 439053    | 5426697 | Py.                                                   | 0.3  | 2.81 | <2 | <10 | 10  | <0.5 | 3  | 1.81 | <0.5 | 30 | 86  | 166 | 4.82  | 10  | <1 | 0.05  | <10 | 2.03 |
| 369539 | 439158    | 5426859 | Mafic, fine grained, Py.                              | <0.2 | 1.87 | <2 | <10 | <10 | <0.5 | 3  | 1.55 | <0.5 | 22 | 68  | 108 | 3.06  | <10 | <1 | 0.02  | <10 | 1.25 |
| 369540 | 439117    | 5425902 | Basalt, qtz, Py.                                      | <0.2 | 1.82 | <2 | <10 | 40  | <0.5 | 2  | 0.99 | <0.5 | 24 | 75  | 68  | 2.44  | <10 | 1  | 0.11  | <10 | 1.55 |
| 369541 | 439688    | 5426481 | Felsic, qtz, trace Py.                                | <0.2 | 2.13 | <2 | <10 | 20  | <0.5 | <2 | 1.12 | <0.5 | 22 | 120 | 75  | 3.09  | 10  | <1 | 0.03  | 20  | 2.00 |
| 369542 | 439666    | 5427152 | Felsic, rusted, Py.                                   | 0.7  | 4.11 | <2 | <10 | 20  | <0.5 | 2  | 0.79 | <0.5 | 47 | 187 | 97  | 6.89  | 10  | <1 | 0.13  | <10 | 3.25 |
| 369543 | 439685    | 5427162 | Felsic, rusted, trace Py.                             | 0.2  | 2.69 | <2 | <10 | 10  | <0.5 | 2  | 5.70 | <0.5 | 37 | 136 | 49  | 5.81  | <10 | 1  | 0.13  | <10 | 3.40 |
| 369544 | 439689    | 5427167 | Felsic, rusted, Py.                                   | <0.2 | 3.12 | 2  | <10 | 10  | <0.5 | 2  | 6.11 | <0.5 | 29 | 133 | 13  | 5.06  | 10  | <1 | 0.12  | <10 | 3.28 |
| 369545 | 439683    | 5427168 | Felsic, silicified, trace Py.                         | 0.5  | 2.94 | 2  | <10 | 20  | <0.5 | 2  | 2.64 | <0.5 | 48 | 138 | 91  | 6.78  | 10  | <1 | 0.13  | <10 | 2.37 |
| 369546 | 439689    | 5427164 | Felsic, silicified, Py.                               | 0.6  | 3.32 | <2 | <10 | 10  | <0.5 | 2  | 4.66 | <0.5 | 44 | 169 | 106 | 6.35  | 10  | 1  | 0.09  | <10 | 3.18 |
| 369547 | 439665    | 5427150 | Felsic, silicified, Py.                               | 0.4  | 3.14 | <2 | <10 | 10  | <0.5 | 2  | 5.55 | <0.5 | 36 | 139 | 44  | 6.04  | 10  | <1 | 0.17  | <10 | 3.50 |
| 369548 | 439668    | 5427152 | Felsic, silicified, Py.                               | 0.3  | 3.06 | <2 | <10 | 30  | <0.5 | 3  | 4.16 | <0.5 | 39 | 132 | 94  | 6.27  | 10  | 1  | 0.16  | <10 | 2.95 |
| 369549 | 439668    | 5427155 | Felsic, fine grained, Py.                             | 0.4  | 4.3  | <2 | <10 | 10  | <0.5 | <2 | 5.14 | <0.5 | 43 | 193 | 105 | 6.66  | 10  | <1 | 0.12  | <10 | 3.57 |
| 369550 | 439680    | 5427162 | Felsic, silicified, Py.                               | 0.2  | 3.9  | 4  | <10 | 10  | <0.5 | 2  | 5.15 | <0.5 | 37 | 159 | 87  | 5.50  | 10  | <1 | 0.11  | <10 | 2.99 |
| 369551 | 439366    | 5426201 | Quartz, lite green, rusted with Py.                   | 0.2  | 0.68 | <2 | <10 | 20  | <0.5 | 4  | 0.85 | <0.5 | 10 | 15  | 6   | 1.49  | <10 | 1  | 0.04  | 10  | 0.55 |
| 369552 | 436638    | 5426140 | Basalt/Felsic dike, green +green/white spots, Py.     | 0.4  | 1.42 | 2  | <10 | 10  | <0.5 | 6  | 0.55 | <0.5 | 41 | 85  | 262 | 3.33  | <10 | <1 | 0.03  | <10 | 1.27 |
| 369553 | 436790    | 5425679 | Basalt, rusted, qtz, strongly magnetic, Py.           | 1.5  | 2.28 | 4  | <10 | 70  | <0.5 | 9  | 0.88 | 6.8  | 61 | 42  | 798 | 10.95 | 10  | 1  | 0.22  | <10 | 1.53 |
| 369554 | 438531    | 5426583 | Basalt, dark green with white spots, felsic, f.g.     | 0.2  | 2.49 | <2 | <10 | 10  | <0.5 | 6  | 1.31 | <0.5 | 24 | 88  | 57  | 3.09  | <10 | 1  | 0.01  | <10 | 1.69 |
| 369555 | 438453    | 5426662 | Basalt, f.g., dark green, white felsic spots, Py.     | <0.2 | 1.46 | <2 | <10 | 10  | <0.5 | 4  | 0.80 | <0.5 | 14 | 45  | 33  | 1.83  | <10 | 1  | 0.03  | <10 | 0.91 |
| 369556 | 438565    | 5426730 | Basalt: dk green with felsic spots, qtz with it, mgr  | <0.2 | 2.83 | 2  | <10 | 10  | <0.5 | <2 | 0.80 | <0.5 | 26 | 81  | 48  | 3.88  | <10 | <1 | 0.03  | <10 | 2.49 |
| 369557 | 438779    | 5426815 | Basalt, dark green, felsic spots, medium grained, Py. | 0.2  | 1.67 | 3  | <10 | <10 | <0.5 | <2 | 0.78 | <0.5 | 21 | 79  | 109 | 2.82  | <10 | <1 | 0.03  | <10 | 1.16 |
| 369558 | 438752    | 5426461 | Qtz vein, 5m x 2m, clear qtz with red stain, f.g. Py. | <0.2 | 0.42 | <2 | <10 | <10 | <0.5 | <2 | 0.18 | <0.5 | 6  | 19  | 26  | 1.11  | <10 | <1 | 0.01  | <10 | 0.31 |

| Sample | UTM NAD83 |         | Description                                                             | Ag   | Al   | As | B   | Ba  | Be   | Bi | Ca   | Cd   | Co | Cr  | Cu  | Fe   | Ga  | Hg | K     | La  | Mg   |
|--------|-----------|---------|-------------------------------------------------------------------------|------|------|----|-----|-----|------|----|------|------|----|-----|-----|------|-----|----|-------|-----|------|
| 369559 | 439225    | 5426294 | Basalt, c.g., dk green to black, small qtz spots, rust dots cover face. | <0.2 | 2.05 | <2 | <10 | <10 | 0.5  | <2 | 8.15 | <0.5 | 47 | 544 | 56  | 5.47 | 10  | <1 | <0.01 | 10  | 6.48 |
| 369560 | 439300    | 5428840 | Basalt, f.g., medium green, trace Py.                                   | <0.2 | 2.17 | <2 | <10 | <10 | <0.5 | <2 | 1.20 | <0.5 | 19 | 59  | 89  | 3.33 | <10 | <1 | 0.03  | <10 | 1.48 |
| 369561 | 443251    | 5427046 | Basalt, float, medium green, badly rusted, Py                           | 0.4  | 1.01 | <2 | <10 | <10 | <0.5 | <2 | 2.05 | <0.5 | 19 | 35  | 153 | 1.87 | <10 | <1 | 0.01  | <10 | 0.26 |
| 369562 | 439138    | 5427114 | Basalt, f.g., dark green, trace Py.                                     | 0.2  | 2.45 | <2 | <10 | <10 | <0.5 | <2 | 1.77 | <0.5 | 16 | 47  | 112 | 2.40 | <10 | <1 | 0.03  | <10 | 1.00 |
| 369563 | 439187    | 5426943 | Float, medium green, qtz, f.g. Py.                                      | 0.2  | 2.67 | <2 | <10 | <10 | <0.5 | <2 | 1.47 | <0.5 | 28 | 52  | 145 | 5.15 | 10  | <1 | 0.03  | <10 | 1.90 |
| 369564 | 439681    | 5427162 | Qtz, rusted, vein 5cm x 1m, fine grained Py.                            | 1.0  | 2.36 | <2 | <10 | 10  | <0.5 | <2 | 1.05 | <0.5 | 31 | 74  | 60  | 4.51 | 10  | <1 | 0.17  | <10 | 1.50 |
| 369565 | 439678    | 5427180 | Qtz, rusted, mixed medium green, Py.                                    | 0.8  | 3.44 | <2 | <10 | <10 | <0.5 | 4  | 5.66 | <0.5 | 44 | 129 | 33  | 6.48 | 10  | <1 | 0.13  | <10 | 3.18 |
| 369566 | 439672    | 5427163 | Basalt & qtz float, medium lite green, rusted, Py.                      | 0.3  | 0.88 | <2 | <10 | <10 | <0.5 | <2 | 5.34 | <0.5 | 22 | 33  | 15  | 4.19 | <10 | <1 | 0.16  | <10 | 1.98 |
| 369567 | 439686    | 5427192 | Basalt, medium green, felsic spots, qtz stringers, fine Py.             | 0.6  | 2.35 | <2 | <10 | 30  | <0.5 | <2 | 6.00 | <0.5 | 47 | 132 | 108 | 7.20 | 10  | <1 | 0.13  | <10 | 3.38 |
| 369568 | 439720    | 5427299 | Basalt, medium green, red rust qtz, felsic spots, fine Py.              | 0.4  | 2.04 | <2 | <10 | 30  | <0.5 | <2 | 7.21 | <0.5 | 43 | 85  | 118 | 6.13 | <10 | <1 | 0.17  | <10 | 3.37 |
| 369569 | 439817    | 5426492 | Quartz, float, rusted.                                                  | 0.3  | 1.3  | <2 | <10 | <10 | <0.5 | <2 | 1.19 | <0.5 | 11 | 22  | 127 | 2.05 | <10 | <1 | 0.03  | <10 | 0.51 |
| 369570 | 439794    | 5426148 | Basalt, dark green, fine grained, trace Py                              | 0.2  | 1.82 | <2 | <10 | <10 | <0.5 | <2 | 1.01 | <0.5 | 19 | 52  | 110 | 2.85 | <10 | <1 | 0.02  | <10 | 0.98 |
| 369571 | 440205    | 5426498 | Basalt, rusted, medium green, m.g., weakly mag, Py.                     | 0.3  | 1.98 | <2 | <10 | <10 | <0.5 | <2 | 1.11 | <0.5 | 28 | 69  | 151 | 3.76 | <10 | <1 | 0.05  | <10 | 1.25 |
| 369572 | 440227    | 5426880 | Gabbro, dark green, m.g., crystalline.                                  | 0.3  | 2.49 | <2 | <10 | <10 | <0.5 | <2 | 1.39 | <0.5 | 22 | 49  | 128 | 3.37 | 10  | <1 | 0.03  | <10 | 1.50 |
| 369573 | 440292    | 5427002 | Gabbro, dark green, f.g., weak magnetic, Py.                            | 0.2  | 1.87 | <2 | <10 | <10 | <0.5 | <2 | 1.52 | <0.5 | 20 | 51  | 134 | 2.70 | <10 | <1 | 0.03  | <10 | 0.88 |
| 369574 | 440296    | 5425996 | Basalt, m.g., moderate green, fine Py.                                  | 0.3  | 1.24 | <2 | <10 | <10 | <0.5 | <2 | 1.11 | <0.5 | 22 | 41  | 131 | 2.17 | <10 | <1 | 0.01  | <10 | 0.58 |
| 369575 | 446795    | 5426431 | Basalt, dark green, m.g., weak magnetic, Py                             | <0.2 | 1.57 | <2 | <10 | <10 | <0.5 | <2 | 1.39 | <0.5 | 16 | 52  | 99  | 2.46 | <10 | <1 | 0.03  | <10 | 0.82 |
| 369576 | 440795    | 5426677 | Basalt, dark green, f.g., fine Py.                                      | <0.2 | 1.2  | <2 | <10 | <10 | <0.5 | <2 | 1.18 | <0.5 | 18 | 43  | 136 | 2.32 | <10 | <1 | 0.02  | <10 | 0.73 |
| 369577 | 440956    | 5426741 | Basalt, medium green, m.g., Py.                                         | 0.4  | 2.46 | 3  | <10 | 30  | <0.5 | <2 | 1.20 | <0.5 | 39 | 93  | 124 | 5.32 | 10  | <1 | 0.02  | <10 | 1.86 |



| Sample | UTM NAD83 |         | Description                                                          | Ag   | Al   | As | B   | Ba  | Be   | Bi | Ca   | Cd   | Co  | Cr | Cu   | Fe    | Ga  | Hg | K     | La  | Mg   |
|--------|-----------|---------|----------------------------------------------------------------------|------|------|----|-----|-----|------|----|------|------|-----|----|------|-------|-----|----|-------|-----|------|
| 369578 | 440876    | 5426747 | Basalt, dark green, m.g., fine Py.                                   | 0.6  | 1.06 | 3  | <10 | 10  | <0.5 | <2 | 0.95 | <0.5 | 41  | 52 | 241  | 4.05  | <10 | <1 | 0.04  | <10 | 0.65 |
| 369579 | 437602    | 5426991 | Qtz vein, 30cm x 1.5m long.                                          | 0.2  | 0.18 | 2  | <10 | <10 | <0.5 | 2  | 0.08 | <0.5 | 2   | 32 | 11   | 0.59  | <10 | <1 | <0.01 | <10 | 0.14 |
| 369580 | 437746    | 5427069 | Shear zone, rusted, dark green, quartz mix, weakly magnetic, Py+cPy. | 0.7  | 1.13 | <2 | <10 | 20  | <0.5 | 3  | 0.51 | 0.2  | 113 | 50 | 1196 | 5.79  | 10  | <1 | 0.05  | <10 | 0.81 |
| 369581 | 437744    | 5427075 | Shear zone, rusted, dark green, qtz mix, weakly magnetic, Py+cPy.    | 1.0  | 1.02 | <2 | <10 | 20  | <0.5 | 4  | 0.31 | 0.1  | 223 | 52 | 1506 | 13.70 | <10 | <1 | 0.05  | 10  | 0.73 |
| 369582 | 437744    | 5427078 |                                                                      | 0.5  | 2.49 | <2 | <10 | 20  | <0.5 | <2 | 1.03 | 0.5  | 40  | 76 | 318  | 5.58  | 10  | <1 | 0.05  | <10 | 1.70 |
| 369583 | 441426    | 5426556 | Basalt, dark green, weak magnetic, trace Py.                         | <0.2 | 1.38 | <2 | <10 | 10  | <0.5 | <2 | 0.75 | <0.5 | 20  | 71 | 110  | 2.73  | <10 | 1  | 0.02  | <10 | 1.03 |
| 369584 | 442595    | 5426559 | blue, badly rusted, Py+cPy.                                          | 0.2  | 0.23 | <2 | <10 | 20  | <0.5 | 6  | 0.33 | <0.5 | 10  | 17 | 1970 | 3.25  | <10 | <1 | 0.05  | 10  | 0.12 |
| 369585 | 442274    | 5426265 | Basalt, f.g., dark green, siliceous, trace Py.                       | 0.5  | 2.65 | <2 | <10 | 10  | <0.5 | 5  | 0.86 | 0.5  | 34  | 92 | 403  | 6.76  | <10 | <1 | 0.03  | <10 | 2.44 |
| 369586 | 442332    | 5425772 | Basalt, dark green, lite green qtz, fine Py.                         | <0.2 | 1.74 | <2 | <10 | 10  | <0.5 | <2 | 1.49 | <0.5 | 21  | 14 | 93   | 4.83  | 10  | <1 | 0.04  | <10 | 0.98 |
| 369587 | 442843    | 5426490 | Qtz, float, rusted, Py.                                              | 0.4  | 0.11 | 4  | <10 | 40  | <0.5 | 4  | 0.48 | <0.5 | 8   | 23 | 12   | 2.76  | <10 | <1 | 0.01  | <10 | 0.09 |
| 369588 | 442863    | 5426473 | Basalt, siliceous, red+ dk green, Py                                 | <0.2 | 0.75 | <2 | <10 | 70  | <0.5 | 2  | 0.80 | <0.5 | 6   | 14 | 16   | 1.41  | <10 | <1 | 0.19  | 10  | 0.35 |
| 369589 | 442515    | 5426562 | Granite, qtz/red/black/lime, Py.                                     | <0.2 | 1.88 | <2 | <10 | 10  | <0.5 | 2  | 1.11 | <0.5 | 18  | 26 | 67   | 2.59  | <10 | 1  | 0.04  | <10 | 1.42 |
| 369590 | 442453    | 5425941 | Granite, qtz, dark green, black, c.g., fine Py.                      | <0.2 | 0.74 | <2 | <10 | 80  | <0.5 | 2  | 0.54 | <0.5 | 5   | 18 | 17   | 1.24  | <10 | <1 | 0.23  | 10  | 0.45 |
| 369591 | 442488    | 5425845 | Gabbro, dark green, badly rusted on top, f.g., qtz, Py.              | 0.4  | 2.06 | <2 | <10 | 20  | <0.5 | <2 | 0.70 | <0.5 | 24  | 3  | 89   | 7.39  | 10  | <1 | 0.06  | <10 | 1.46 |
| 369592 | 442495    | 5425845 | Gabbro, dark green, f.g., lite green qtz, fine Py.                   | <0.2 | 4    | 2  | 10  | 10  | <0.5 | 2  | 2.59 | <0.5 | 24  | 10 | 128  | 4.97  | 10  | <1 | 0.10  | <10 | 0.91 |
| 369593 | 442669    | 5425965 | Basalt, dark green, m.g., qtz eyes, felsic 1/8" spots, fine Py.      | <0.2 | 2.36 | <2 | <10 | 10  | <0.5 | <2 | 1.38 | <0.5 | 23  | 3  | 51   | 5.81  | 10  | <1 | 0.05  | <10 | 1.24 |
| 369594 | 443187    | 5426645 | Granite, qtz, pink-lime-black, fine Py.                              | <0.2 | 0.93 | <2 | <10 | 130 | <0.5 | <2 | 0.39 | <0.5 | 6   | 17 | 7    | 1.58  | <10 | <1 | 0.32  | 10  | 0.46 |
| 369595 | 443172    | 5426244 | Gabbro, dark green, f.g., qtz, trace Py.                             | 0.2  | 2.68 | <2 | <10 | 10  | <0.5 | 2  | 1.26 | <0.5 | 28  | 9  | 142  | 5.88  | 10  | <1 | 0.04  | 10  | 1.70 |
| 369596 | 443213    | 5426026 | Gabbro, dark green, m.g., Py.                                        | 0.3  | 2.12 | 2  | <10 | 10  | <0.5 | <2 | 1.59 | <0.5 | 23  | 9  | 221  | 4.84  | 10  | <1 | 0.08  | <10 | 1.33 |

| Sample | UTM NAD83 |         | Description                                                     | Ag   | Al   | As | B   | Ba  | Be   | BI | Ca   | Cd   | Co | Cr  | Cu  | Fe    | Ga  | Hg | K     | La  | Mg   |
|--------|-----------|---------|-----------------------------------------------------------------|------|------|----|-----|-----|------|----|------|------|----|-----|-----|-------|-----|----|-------|-----|------|
| 369597 | 443241    | 5425788 | Basalt or gabbro, dark green, m.g. to c.g., Py.                 | <0.2 | 2.68 | 12 | <10 | 10  | <0.5 | <2 | 1.70 | <0.5 | 39 | 71  | 21  | 5.03  | 10  | 1  | 0.01  | <10 | 2.15 |
| 369598 | 443502    | 5425750 | Basalt, medium green, f.g., Py + lizz, black shear.             | <0.2 | 2.98 | <2 | <10 | 10  | <0.5 | <2 | 5.18 | <0.5 | 31 | 31  | 79  | 10.05 | 20  | <1 | 0.01  | <10 | 1.35 |
| 369599 | 443481    | 5425977 | Basalt, medium dark green, f.g., Py.                            | 0.2  | 2.44 | <2 | <10 | 10  | <0.5 | <2 | 1.00 | <0.5 | 29 | 7   | 94  | 5.87  | 10  | <1 | 0.02  | <10 | 1.34 |
| 369600 | 443519    | 5426335 | Basalt, dark green, f.g., Py.                                   | 0.4  | 1.92 | <2 | <10 | 10  | <0.5 | 2  | 1.16 | <0.5 | 23 | 3   | 135 | 5.22  | 10  | <1 | 0.05  | <10 | 0.97 |
| 369601 | 438595    | 5426376 | Felsic, non-magnetic, sharp edged float, 3% Py.                 | <0.2 | 2.65 | <2 | <10 | 10  | <0.5 | 4  | 1.45 | <0.5 | 16 | 58  | 103 | 1.92  | <10 | 1  | 0.02  | <10 | 1.15 |
| 369602 | 438600    | 5426600 | Felsic, granite mixture, non-magnetic, escarpment, 20% Py.      | 0.2  | 0.91 | <2 | <10 | 20  | <0.5 | 5  | 0.72 | <0.5 | 15 | 25  | 28  | 1.64  | <10 | <1 | 0.07  | <10 | 0.77 |
| 369603 | 438647    | 5426669 | Felsic, outcrop, silicified, 10% bx, 2% Py.                     | <0.2 | 0.99 | <2 | <10 | 10  | <0.5 | 4  | 0.74 | <0.5 | 15 | 43  | 52  | 1.79  | <10 | <1 | 0.05  | <10 | 0.60 |
| 369604 | 438653    | 5426677 | Felsic, outcrop, non-magnetic, 5% Py.                           | <0.2 | 1.03 | <2 | <10 | 10  | <0.5 | 4  | 0.55 | <0.5 | 17 | 67  | 43  | 1.88  | <10 | <1 | 0.04  | <10 | 0.87 |
| 369605 | 438598    | 5426762 | Felsic outcrop, 10% felsic + 90% qtz., non-magnetic, 5% Py.     | <0.2 | 1.64 | <2 | <10 | <10 | <0.5 | 3  | 0.68 | <0.5 | 21 | 65  | 32  | 2.16  | <10 | 1  | 0.03  | <10 | 1.44 |
| 369606 | 438598    | 5426762 | Quartz 90%, felsic 10%, non magnetic, outcrop.                  | <0.2 | 0.16 | 2  | <10 | <10 | <0.5 | 3  | 0.17 | <0.5 | 6  | 11  | 16  | 0.73  | <10 | <1 | <0.01 | <10 | 0.16 |
| 369607 | 438650    | 5426863 | Felsic, non-magnetic, 5%qtz, 5% Py, outcrop.                    | 0.2  | 1.56 | <2 | <10 | 10  | <0.5 | 4  | 0.75 | <0.5 | 23 | 51  | 141 | 3.32  | <10 | 1  | 0.04  | <10 | 1.23 |
| 369608 | 439539    | 5426917 | Mafic rock, outcrop, 3% Py, possible ?galena.                   | <0.2 | 2.18 | 3  | <10 | 10  | <0.5 | 2  | 1.67 | <0.5 | 17 | 74  | 54  | 2.09  | <10 | <1 | 0.02  | <10 | 0.92 |
| 369609 | 439582    | 5426721 | Felsic outcrop, 1% Py.                                          | 0.3  | 2.16 | <2 | <10 | <10 | <0.5 | <2 | 2.02 | <0.5 | 22 | 93  | 79  | 2.65  | <10 | <1 | 0.02  | <10 | 1.30 |
| 369610 | 439545    | 5426617 | Gabbro, fine grained, outcrop, trace Py.                        | 0.2  | 2.17 | <2 | <10 | <10 | <0.5 | <2 | 0.90 | <0.5 | 21 | 69  | 80  | 3.37  | <10 | <1 | 0.01  | <10 | 1.66 |
| 369611 | 439683    | 5427169 | Felsic outcrop, green-blue, 3% qtz, 1% disseminated Py.         | <0.2 | 2.27 | <2 | <10 | <10 | <0.5 | 2  | 5.16 | <0.5 | 23 | 81  | 38  | 4.20  | 10  | <1 | 0.13  | <10 | 1.83 |
| 369612 | 439684    | 5427169 | Felsic outcrop, green-blue, 5% qtz, 3% disseminated Py, 1% cPy. | 0.2  | 2.97 | 2  | <10 | 10  | <0.5 | 3  | 5.42 | <0.5 | 31 | 111 | 47  | 5.72  | <10 | <1 | 0.13  | <10 | 2.90 |
| 369613 | 439683    | 5427174 | green-blue, 5% Py, 2% cPy.                                      | 0.3  | 3.19 | 2  | <10 | <10 | <0.5 | <2 | 5.48 | <0.5 | 32 | 116 | 53  | 6.25  | 10  | <1 | 0.13  | <10 | 3.08 |
| 369614 | 439762    | 5427327 | Gabbro, fine grained, blue-green, 30% Py, qtz.                  | 0.5  | 1.82 | <2 | <10 | <10 | <0.5 | <2 | 0.73 | <0.5 | 46 | 125 | 30  | 4.36  | <10 | <1 | 0.07  | <10 | 1.89 |
| 369615 | 439953    | 5427380 | Gabbro, fine grained, disseminated, 5% Py.                      | 0.2  | 2.28 | <2 | <10 | <10 | <0.5 | <2 | 3.74 | <0.5 | 40 | 100 | 107 | 5.67  | <10 | <1 | 0.16  | <10 | 2.39 |

| Sample | UTM NAD83 |         | Description                                       | Ag   | Al   | As | B   | Ba  | Be   | Bi | Ca   | Cd   | Co | Cr   | Cu  | Fe   | Ga  | Hg | K     | La  | Mg   |
|--------|-----------|---------|---------------------------------------------------|------|------|----|-----|-----|------|----|------|------|----|------|-----|------|-----|----|-------|-----|------|
| 369616 | 440461    | 5426146 | Gabbro, fine grained, shear, 5% Py.               | 0.2  | 2.08 | <2 | <10 | <10 | <0.5 | <2 | 1.18 | <0.5 | 22 | 65   | 128 | 3.65 | <10 | <1 | 0.02  | <10 | 1.26 |
| 369617 | 439619    | 5425804 | Py.                                               | 0.4  | 3.21 | <2 | <10 | 10  | <0.5 | <2 | 1.04 | <0.5 | 31 | 93   | 80  | 5.85 | 10  | <1 | 0.03  | <10 | 2.46 |
| 369618 | 440396    | 5426258 | Mafic, fine grained, 1% disseminated sulphide.    | 0.3  | 2.85 | <2 | <10 | <10 | <0.5 | <2 | 0.82 | <0.5 | 25 | 72   | 244 | 5.70 | 10  | <1 | 0.02  | <10 | 2.05 |
| 369619 | 440986    | 5426434 | Py                                                | 0.3  | 3.02 | <2 | <10 | 10  | <0.5 | <2 | 1.17 | <0.5 | 28 | 90   | 105 | 5.27 | 10  | <1 | 0.02  | <10 | 1.86 |
| 369620 | 441069    | 5426600 | Py                                                | 0.2  | 2.24 | <2 | <10 | <10 | <0.5 | <2 | 1.62 | <0.5 | 14 | 51   | 56  | 2.70 | <10 | <1 | 0.04  | <10 | 0.94 |
| 369621 | 441018    | 5426686 | Gabbro, fine grained, 5% sulphide.                | <0.2 | 1.98 | <2 | <10 | 10  | <0.5 | <2 | 1.64 | <0.5 | 18 | 44   | 148 | 2.82 | <10 | <1 | 0.04  | <10 | 0.85 |
| 369622 | 441015    | 5426684 | Gabbro, fine grained, 10% sulphide.               | 0.2  | 1.68 | <2 | <10 | <10 | <0.5 | <2 | 1.28 | <0.5 | 17 | 42   | 132 | 2.17 | <10 | <1 | 0.02  | <10 | 0.65 |
| 369623 | 440967    | 5426745 | Qtz vein, 10% cPy                                 | 0.2  | 0.03 | <2 | <10 | <10 | <0.5 | <2 | 0.06 | <0.5 | 1  | 13   | 17  | 0.41 | <10 | <1 | <0.01 | <10 | 0.01 |
| 369624 | 441081    | 5427420 | Gabbro, coarse grained.                           | <0.2 | 2.97 | <2 | <10 | 20  | <0.5 | <2 | 1.72 | <0.5 | 21 | 16   | 114 | 4.20 | 10  | <1 | 0.13  | <10 | 1.09 |
| 369625 | 441058    | 5427442 | Gabbro, coarse grained, 2% Py                     | 0.3  | 2.74 | <2 | 10  | 10  | <0.5 | <2 | 2.08 | <0.5 | 29 | 10   | 26  | 6.13 | 10  | <1 | 0.07  | <10 | 1.13 |
| 369626 | 440972    | 5426728 | Py                                                | 0.5  | 1.59 | <2 | <10 | 10  | <0.5 | <2 | 0.86 | <0.5 | 29 | 56   | 110 | 3.68 | <10 | <1 | 0.05  | <10 | 1.13 |
| 369627 | 440961    | 5426738 | Py                                                | 0.4  | 1.76 | <2 | <10 | <10 | <0.5 | <2 | 0.87 | <0.5 | 33 | 72   | 252 | 4.67 | <10 | <1 | 0.04  | <10 | 1.23 |
| 369628 | 441078    | 5425794 | Gabbro, coarse grained, 3% Py.                    | 0.3  | 2.07 | <2 | <10 | <10 | <0.5 | <2 | 1.14 | <0.5 | 32 | 3    | 29  | 5.62 | 10  | <1 | 0.02  | <10 | 1.15 |
| 369629 | 441106    | 5426294 | Gabbro, coarse grained, trace Py.                 | 0.2  | 1.89 | <2 | <10 | <10 | <0.5 | <2 | 1.05 | <0.5 | 23 | 60   | 129 | 3.45 | <10 | <1 | 0.03  | <10 | 1.37 |
| 369630 | 441612    | 5426832 | Gabbro, c.g., 20% magnetite, trace Py.            | 0.3  | 2.7  | <2 | <10 | 10  | <0.5 | 2  | 1.72 | <0.5 | 24 | 3    | 87  | 6.88 | 10  | <1 | 0.08  | <10 | 0.69 |
| 369631 | 441668    | 5427188 | Gabbro, coarse grained.                           | 0.2  | 3.06 | 4  | <10 | <10 | <0.5 | <2 | 7.11 | <0.5 | 33 | 141  | 86  | 4.38 | 10  | <1 | 0.05  | <10 | 2.23 |
| 369632 | 441708    | 5426745 | Gabbro, float, f.g., trace Py.                    | <0.2 | 1.12 | <2 | <10 | 10  | <0.5 | <2 | 1.63 | <0.5 | 17 | 45   | 108 | 1.63 | <10 | <1 | 0.01  | <10 | 0.44 |
| 369633 | 442592    | 5426565 | Mafic, Fe-Cb, quartz with disseminated 10% Py.    | 0.5  | 0.24 | <2 | <10 | 10  | <0.5 | <2 | 1.92 | <0.5 | 6  | 6    | 83  | 1.68 | <10 | <1 | 0.07  | 10  | 0.66 |
| 369634 | 442275    | 5426266 | Basalt, siliceous, basalt, f.g., trace Py.        | 0.3  | 1.3  | <2 | <10 | 10  | <0.5 | <2 | 1.29 | <0.5 | 27 | 56   | 165 | 2.99 | <10 | <1 | 0.01  | <10 | 0.71 |
| 369635 | 442500    | 5426151 | Basalt, siliceous, basalt, f.g., trace Py.        | 0.3  | 3.22 | <2 | <10 | 10  | <0.5 | <2 | 0.55 | <0.5 | 34 | 1085 | 52  | 5.61 | 10  | <1 | 0.06  | <10 | 3.80 |
| 369636 | 442285    | 5425741 | Basalt, f.g., trace Py.                           | 0.4  | 2.2  | <2 | <10 | <10 | <0.5 | <2 | 1.49 | <0.5 | 19 | 19   | 46  | 6.20 | 10  | <1 | 0.05  | 10  | 0.90 |
| 369637 | 442416    | 5426265 | Granite, float rock, qtz, breccia, trace Py+cPy.  | 0.4  | 0.19 | <2 | <10 | <10 | <0.5 | <2 | 0.09 | <0.5 | 2  | 10   | 26  | 0.78 | <10 | <1 | 0.04  | <10 | 0.03 |
| 369638 | 442356    | 5426085 | Gabbro, f.g., fgr, shear striking 045°, trace Py. | 0.3  | 4.07 | 4  | <10 | <10 | <0.5 | 2  | 0.37 | <0.5 | 28 | 1780 | 98  | 7.83 | 10  | <1 | 0.01  | <10 | 4.73 |
| 369639 | 442356    | 5426085 | Gabbro, f.g., shear striking 045°, trace Py.      | 0.2  | 3.11 | 3  | <10 | <10 | <0.5 | <2 | 0.22 | <0.5 | 25 | 1475 | 65  | 5.95 | 10  | <1 | 0.01  | <10 | 4.17 |

| Sample | UTM NAD83 |         | Description                                                          | Ag   | Al   | As | B   | Ba  | Be   | Bi | Ca   | Cd   | Co | Cr   | Cu  | Fe   | Ga  | Hg | K     | La  | Mg   |
|--------|-----------|---------|----------------------------------------------------------------------|------|------|----|-----|-----|------|----|------|------|----|------|-----|------|-----|----|-------|-----|------|
| 369640 | 442353    | 5426077 | Gabbro, f.g., shear striking 045°, trace Py + cPy.                   | 0.4  | 2.79 | 4  | <10 | 20  | <0.5 | <2 | 0.25 | <0.5 | 14 | 1500 | 123 | 7.04 | 10  | <1 | 0.01  | <10 | 3.61 |
| 369641 | 442354    | 5426077 | Gabbro, f.g., shear striking 045°, trace Py.                         | 0.2  | 2.73 | 3  | <10 | <10 | <0.5 | <2 | 0.24 | <0.5 | 16 | 1425 | 120 | 5.69 | 10  | <1 | 0.01  | <10 | 3.38 |
| 369642 | 442334    | 5426071 | Gabbro, f.g., 3cm x 3cm shear striking 045° trace Py, cPy.           | 0.2  | 1.45 | <2 | <10 | <10 | <0.5 | <2 | 0.37 | <0.5 | 15 | 186  | 61  | 3.42 | 10  | <1 | 0.04  | <10 | 1.24 |
| 369643 | 442292    | 5426166 | Felsic, f.g., FeCb. 1% Py.                                           | 1.2  | 2.87 | <2 | <10 | <10 | <0.5 | <2 | 1.01 | 1.6  | 59 | 103  | 100 | 6.56 | <10 | <1 | 0.02  | <10 | 1.76 |
| 369644 | 442309    | 5426275 | Qtz, shear striking 240°, trace cPy.                                 | 0.2  | 0.15 | <2 | <10 | <10 | <0.5 | <2 | 0.04 | <0.5 | 1  | 11   | 38  | 1.11 | <10 | <1 | 0.03  | <10 | 0.02 |
| 369645 | 442309    | 5426275 | disseminated 10% Py + cPy.                                           | 0.7  | 1.43 | <2 | <10 | 40  | <0.5 | <2 | 0.20 | 1    | 18 | 96   | 201 | 5.52 | 10  | <1 | 0.16  | <10 | 1.22 |
| 369646 | 442529    | 5426730 | Quartz, c.g., 30% Fe-carb, fuchsite, 10% Py + cPy, stringers of cPy. | 15.2 | 0.36 | <2 | <10 | 40  | <0.5 | 9  | 9.64 | <0.5 | 36 | 67   | 20  | 6.45 | <10 | <1 | 0.19  | 10  | 4.55 |
| 369647 | 442995    | 5426702 | Py.                                                                  | 0.7  | 0.59 | <2 | <10 | 30  | <0.5 | <2 | 1.80 | <0.5 | 6  | 17   | 27  | 2.03 | <10 | <1 | 0.06  | 10  | 0.52 |
| 369648 | 443003    | 5426517 | Qtz vein, trace Py + cPy.                                            | 13.3 | 0.1  | <2 | <10 | <10 | <0.5 | 21 | 0.37 | <0.5 | 1  | 16   | 6   | 0.82 | <10 | <1 | 0.03  | <10 | 0.02 |
| 369649 | 443031    | 5426018 | Gabbro, blue, trace cPy + Py.                                        | 0.4  | 2.08 | <2 | <10 | <10 | <0.5 | <2 | 1.77 | <0.5 | 17 | 16   | 52  | 2.62 | <10 | <1 | 0.04  | <10 | 1.34 |
| 369650 | 443072    | 5425838 | Gabbro, f.g., blue, trace Py.                                        | 0.2  | 1.54 | <2 | <10 | 20  | <0.5 | <2 | 0.95 | <0.5 | 16 | 23   | 53  | 2.38 | <10 | <1 | 0.07  | <10 | 1.10 |
| 369651 | 439818    | 5427342 | Felsic, silicified, Py.                                              | 0.3  | 1.84 | <2 | <10 | 40  | <0.5 | 2  | 5.73 | <0.5 | 38 | 81   | 76  | 5.29 | <10 | <1 | 0.14  | <10 | 2.76 |
| 369652 | 439827    | 5427333 | Felsic, fine grained, Py.                                            | 0.3  | 2.53 | <2 | <10 | 40  | <0.5 | <2 | 3.09 | <0.5 | 39 | 110  | 90  | 5.54 | 10  | <1 | 0.12  | <10 | 2.38 |
| 369653 | 439980    | 5426187 | Basalt, fine grained, qtz, trace Py.                                 | 0.3  | 1.59 | 2  | <10 | 10  | <0.5 | <2 | 0.89 | <0.5 | 20 | 52   | 110 | 2.64 | <10 | <1 | 0.01  | <10 | 1.04 |
| 369654 | 440023    | 5426282 | Basalt, fine grained, trace Py.                                      | <0.2 | 1.29 | <2 | <10 | 10  | <0.5 | 2  | 0.74 | <0.5 | 15 | 39   | 98  | 2.23 | <10 | <1 | 0.02  | <10 | 0.86 |
| 369655 | 440024    | 5426884 | Felsic, trace Py.                                                    | 0.2  | 1.77 | <2 | <10 | 10  | <0.5 | <2 | 1.35 | <0.5 | 20 | 72   | 95  | 2.10 | <10 | <1 | 0.01  | <10 | 1.09 |
| 369656 | 440088    | 5427273 | Felsic, trace Py                                                     | <0.2 | 1.56 | 2  | <10 | <10 | <0.5 | 2  | 3.08 | <0.5 | 19 | 55   | 79  | 1.35 | <10 | <1 | <0.01 | <10 | 0.56 |
| 369657 | 440125    | 5426580 | Basalt, fine grained, trace Py.                                      | <0.2 | 2.44 | 2  | <10 | 10  | <0.5 | <2 | 0.98 | <0.5 | 26 | 80   | 164 | 3.88 | <10 | <1 | 0.02  | <10 | 1.67 |
| 369658 | 439928    | 5425931 | Basalt, qtz, Py                                                      | <0.2 | 1.07 | <2 | <10 | 10  | <0.5 | <2 | 1.38 | <0.5 | 18 | 46   | 151 | 1.84 | <10 | <1 | <0.01 | <10 | 0.44 |
| 369659 | 440644    | 5426758 | Basalt, fine grained, trace Py.                                      | <0.2 | 1.27 | <2 | <10 | 10  | <0.5 | 2  | 1.56 | <0.5 | 10 | 57   | 49  | 1.61 | <10 | <1 | 0.08  | <10 | 0.44 |
| 369660 | 440601    | 5426856 | Mafic, calcite fizz.                                                 | <0.2 | 0.62 | 2  | <10 | <10 | <0.5 | 2  | 2.46 | <0.5 | 9  | 16   | 64  | 1.15 | <10 | <1 | <0.01 | <10 | 0.24 |
| 369661 | 440607    | 5426885 | Basalt, slightly mag, Py.                                            | <0.2 | 1.7  | <2 | <10 | 10  | <0.5 | 3  | 1.30 | <0.5 | 22 | 63   | 115 | 2.94 | <10 | 1  | 0.03  | <10 | 0.93 |
| 369662 | 440709    | 5426710 | Basalt, silicified, trace Py.                                        | <0.2 | 0.77 | <2 | <10 | 50  | <0.5 | <2 | 2.23 | <0.5 | 6  | 15   | 24  | 1.53 | <10 | <1 | 0.11  | 20  | 0.38 |
| 369663 | 440676    | 5426231 | Basalt, fine grained, trace Py.                                      | 0.3  | 3    | <2 | <10 | 20  | <0.5 | 2  | 0.79 | <0.5 | 38 | 133  | 127 | 5.54 | 10  | <1 | 0.03  | <10 | 2.17 |
| 369664 | 441022    | 5426703 | Basalt, fine grained, Py.                                            | <0.2 | 1.5  | <2 | <10 | 10  | <0.5 | 2  | 1.12 | <0.5 | 23 | 56   | 52  | 2.76 | <10 | <1 | 0.03  | <10 | 0.87 |

| Sample | UTM NAD83 |         | Description                                 | Ag   | Al   | As | B   | Ba  | Be   | Bi | Ca   | Cd   | Co | Cr  | Cu  | Fe   | Ga  | Hg | K    | La  | Mg   |
|--------|-----------|---------|---------------------------------------------|------|------|----|-----|-----|------|----|------|------|----|-----|-----|------|-----|----|------|-----|------|
| 369665 | 440628    | 5426258 | Basalt, f.g., trace Py.                     | 0.3  | 2.49 | 2  | <10 | 10  | <0.5 | 3  | 1.21 | <0.5 | 29 | 74  | 145 | 4.00 | <10 | <1 | 0.03 | <10 | 1.54 |
| 369666 | 441192    | 5426659 | Basalt, slightly magnetic, Py.              | 0.2  | 1.42 | <2 | <10 | 40  | <0.5 | 3  | 0.90 | <0.5 | 23 | 83  | 72  | 3.35 | <10 | <1 | 0.26 | <10 | 1.00 |
| 369667 | 441303    | 5426202 | Gabbro, coarse grained.                     | <0.2 | 2.48 | <2 | <10 | 10  | <0.5 | 2  | 0.59 | <0.5 | 28 | 118 | 7   | 2.91 | <10 | <1 | 0.05 | <10 | 2.67 |
| 369668 | 441322    | 5425814 | Gabbro, coarse grained, magnetic, Py.       | 0.3  | 2.24 | <2 | <10 | 10  | <0.5 | <2 | 1.30 | <0.5 | 27 | 2   | 42  | 6.42 | 10  | <1 | 0.04 | <10 | 1.01 |
| 369669 | 441234    | 5425733 | Gabbro, medium grained, Py.                 | 0.2  | 2.02 | <2 | <10 | 10  | <0.5 | 2  | 1.11 | <0.5 | 23 | 5   | 129 | 4.72 | 10  | <1 | 0.02 | <10 | 1.05 |
| 369670 | 441207    | 5425870 | Gabbro, medium grained, magnetic, Py.       | 0.6  | 2.94 | <2 | <10 | <10 | <0.5 | 2  | 0.72 | <0.5 | 68 | <1  | 776 | 8.61 | 10  | <1 | 0.04 | <10 | 1.87 |
| 369671 | 441182    | 5426172 | Gabbro, medium grained, magnetic, Py, float | 1.1  | 2.3  | <2 | <10 | 120 | <0.5 | 3  | 1.61 | <0.5 | 25 | 231 | 622 | 6.35 | 10  | <1 | 0.24 | <10 | 1.28 |
| 369672 | 441798    | 5426609 | Mafic, magnetic, Py.                        | 0.3  | 2.63 | <2 | 10  | 10  | <0.5 | 2  | 2.00 | <0.5 | 29 | 7   | 26  | 6.80 | 10  | <1 | 0.07 | <10 | 0.75 |
| 369673 | 441708    | 5426399 | Mafic, Py                                   | 0.9  | 2.23 | 12 | <10 | 10  | <0.5 | 2  | 0.99 | <0.5 | 34 | 23  | 467 | 6.11 | 10  | <1 | 0.02 | <10 | 1.16 |
| 369674 | 441854    | 5426161 | Mafic, Py                                   | 0.3  | 1.61 | <2 | <10 | 10  | <0.5 | 3  | 1.08 | <0.5 | 13 | 1   | 13  | 4.93 | 10  | <1 | 0.06 | <10 | 0.51 |
| 369675 | 441941    | 5425928 | Mafic, Py                                   | 0.2  | 4.07 | <2 | <10 | 10  | <0.5 | 2  | 0.59 | <0.5 | 59 | 162 | 143 | 8.25 | 10  | 1  | 0.01 | <10 | 2.69 |
| 369676 | 441965    | 5426218 | Mafic, magnetic, Py.                        | 0.3  | 2.1  | <2 | <10 | 20  | <0.5 | 2  | 1.22 | <0.5 | 24 | 1   | 13  | 6.91 | 10  | <1 | 0.09 | <10 | 0.94 |
| 369677 | 442289    | 5426269 | Basalt, silicified, rusted, Py.             | <0.2 | 1.54 | <2 | <10 | <10 | <0.5 | 2  | 0.24 | <0.5 | 11 | 83  | 57  | 3.10 | <10 | <1 | 0.02 | <10 | 1.09 |
| 369678 | 442600    | 5426571 | Qtz, magnetic, Py, cPy.                     | 1.9  | 0.23 | <2 | <10 | 20  | <0.5 | 4  | 1.00 | <0.5 | 7  | 6   | 596 | 1.83 | <10 | <1 | 0.07 | 10  | 0.29 |
| 369679 | 442603    | 5426563 | Qtz, rusted, Py.                            | 0.3  | 0.14 | <2 | <10 | 10  | <0.5 | 2  | 0.02 | <0.5 | 4  | 8   | 134 | 2.92 | <10 | <1 | 0.11 | 10  | 0.03 |
| 369680 | 442607    | 5426566 | Qtz, Py, cPy                                | 0.6  | 0.37 | <2 | <10 | 130 | <0.5 | 2  | 1.97 | <0.5 | 7  | 5   | 53  | 1.41 | <10 | <1 | 0.13 | 10  | 0.22 |
| 369681 | 442271    | 5426275 | Basalt, silicified, stringer qtz, Py.       | 0.5  | 0.97 | 4  | <10 | 20  | <0.5 | 2  | 2.48 | <0.5 | 16 | 36  | 85  | 1.31 | <10 | <1 | 0.01 | <10 | 0.26 |
| 369682 | 442233    | 5426289 | Gabbro, coarse grained, Py                  | 0.3  | 1.56 | <2 | <10 | 10  | <0.5 | 3  | 1.19 | <0.5 | 20 | 2   | 163 | 4.20 | 10  | <1 | 0.03 | <10 | 0.86 |
| 369683 | 442565    | 5425848 | Gabbro, shear zone, rusted.                 | 0.3  | 3.87 | <2 | <10 | 20  | <0.5 | <2 | 4.06 | <0.5 | 36 | 3   | 81  | 9.23 | 20  | <1 | 0.04 | <10 | 2.66 |
| 369684 | 442309    | 5425751 | Gabbro, coarse grained, Py.                 | <0.2 | 1.78 | <2 | <10 | 40  | <0.5 | <2 | 1.28 | <0.5 | 16 | 4   | 48  | 5.10 | 10  | <1 | 0.11 | 10  | 0.70 |
| 369685 | 442508    | 5425715 | Gabbro, coarse grained, Py.                 | <0.2 | 1.48 | <2 | <10 | 30  | <0.5 | 2  | 1.39 | <0.5 | 15 | 2   | 59  | 4.36 | 10  | <1 | 0.13 | 10  | 0.56 |
| 369686 | 442842    | 5426493 | Gabbro, qtz vein, silicified, Py.           | 0.9  | 0.17 | 2  | <10 | 20  | <0.5 | 3  | 0.08 | <0.5 | 4  | 5   | 13  | 1.07 | <10 | <1 | 0.04 | 10  | 0.01 |
| 369687 | 442837    | 5426500 | Gabbro, silicified, Py                      | 0.4  | 0.27 | 2  | <10 | 70  | <0.5 | 3  | 1.33 | <0.5 | 7  | 4   | 17  | 1.53 | <10 | <1 | 0.13 | 10  | 0.14 |
| 369688 | 442803    | 5426372 | Gabbro, coarse grained, Py.                 | 0.2  | 3.45 | <2 | <10 | 10  | <0.5 | <2 | 1.49 | <0.5 | 40 | 110 | 119 | 4.56 | 10  | <1 | 0.02 | <10 | 3.58 |
| 369689 | 442808    | 5425236 | Gabbro, coarse grained, Py.                 | 0.4  | 2.31 | <2 | <10 | 10  | <0.5 | <2 | 1.49 | <0.5 | 33 | 1   | 59  | 6.34 | 10  | <1 | 0.06 | <10 | 1.41 |
| 369690 | 442917    | 5426309 | Gabbro, magnetic, Py.                       | 1.1  | 0.88 | <2 | <10 | 10  | <0.5 | 4  | 1.58 | <0.5 | 12 | 6   | 7   | 3.90 | <10 | <1 | 0.02 | <10 | 0.53 |

| Sample | UTM NAD83 |         | Description                                            | Ag   | Al   | As | B   | Ba  | Be   | Bi | Ca   | Cd   | Co | Cr  | Cu  | Fe    | Ga  | Hg | K    | La  | Mg   |
|--------|-----------|---------|--------------------------------------------------------|------|------|----|-----|-----|------|----|------|------|----|-----|-----|-------|-----|----|------|-----|------|
| 369691 | 442980    | 5426381 | Qtz vein, broken, 20' strike length, Py.               | 1.0  | 0.93 | <2 | <10 | 10  | <0.5 | 4  | 1.57 | <0.5 | 12 | 5   | 7   | 4.10  | <10 | <1 | 0.02 | <10 | 0.54 |
| 369692 | 443127    | 5426153 | Gabbro, silicified, Py.                                | 0.2  | 4.8  | <2 | <10 | 10  | <0.5 | 2  | 3.72 | <0.5 | 38 | 79  | 138 | 8.65  | 20  | <1 | 0.08 | <10 | 3.76 |
| 369693 | 442932    | 5426545 | Qtz vein, 4' wide, 20' exposed along strike, trace Py. | 0.2  | 0.17 | <2 | <10 | 20  | <0.5 | 4  | 0.09 | <0.5 | 2  | 10  | 7   | 0.99  | <10 | <1 | 0.03 | <10 | 0.11 |
| 369694 | 442945    | 5426553 | Qtz vein, 50' strike length, 8" wide, Py               | 0.2  | 0.31 | <2 | <10 | 40  | <0.5 | 2  | 0.50 | <0.5 | 3  | 11  | 21  | 0.88  | <10 | <1 | 0.12 | <10 | 0.17 |
| 369695 | 443100    | 5426722 | Granite, coarse grained, Py.                           | 0.6  | 0.31 | <2 | <10 | 70  | <0.5 | 4  | 1.69 | <0.5 | 5  | 5   | 34  | 1.23  | <10 | <1 | 0.13 | 10  | 0.09 |
| 369696 | 443095    | 5426321 | Andesitic, qtz, Py.                                    | 0.5  | 0.11 | <2 | <10 | 10  | <0.5 | 4  | 0.15 | <0.5 | 6  | 5   | 18  | 1.65  | <10 | <1 | 0.01 | <10 | 0.01 |
| 369697 | 443036    | 5425988 | Gabbro, coarse grained, Py.                            | 0.4  | 1.26 | <2 | <10 | 10  | <0.5 | 3  | 1.08 | <0.5 | 16 | 17  | 109 | 3.36  | <10 | <1 | 0.03 | <10 | 0.69 |
| 369698 | 443230    | 5425905 | Gabbro, coarse grained, rusted, Py.                    | 0.3  | 3.51 | <2 | <10 | 10  | <0.5 | 2  | 1.28 | <0.5 | 33 | <1  | 53  | 9.78  | 20  | <1 | 0.02 | <10 | 1.74 |
| 369699 | 443396    | 5425867 | Basalt, medium grained, Py.                            | 0.3  | 2.36 | <2 | <10 | 10  | <0.5 | <2 | 1.15 | <0.5 | 32 | 13  | 126 | 5.12  | 10  | <1 | 0.01 | <10 | 1.50 |
| 369700 | 443396    | 5425929 | Basalt, medium grained, Py.                            | <0.2 | 2.26 | 3  | <10 | <10 | <0.5 | 3  | 0.94 | <0.5 | 32 | 1   | 170 | 5.58  | 10  | <1 | 0.01 | <10 | 1.26 |
| 369701 | 442786    | 5426686 | Granite, Py                                            | <0.2 | 0.24 | <2 | <10 | 40  | <0.5 | 3  | 0.75 | <0.5 | 3  | 6   | 15  | 0.82  | <10 | <1 | 0.12 | 10  | 0.08 |
| 369702 | 443728    | 5425976 | Gabbro, medium grained, trace Py.                      | 0.3  | 4.64 | <2 | <10 | 20  | <0.5 | 3  | 4.33 | <0.5 | 48 | 44  | 126 | 8.71  | 20  | <1 | 0.06 | <10 | 3.58 |
| 369703 | 443718    | 5426012 | Gabbro, magnetic, Py.                                  | 0.3  | 3.03 | 3  | <10 | 30  | <0.5 | 3  | 2.39 | <0.5 | 43 | 13  | 186 | 8.26  | 10  | 1  | 0.08 | <10 | 2.12 |
| 369704 | 443663    | 5426141 | Gabbro, magnetic, Py.                                  | <0.2 | 2.11 | <2 | <10 | 10  | <0.5 | 2  | 1.48 | <0.5 | 33 | 1   | 63  | 6.89  | 10  | <1 | 0.06 | <10 | 0.97 |
| 369705 | 443662    | 5426195 | Gabbro, magnetic, Py.                                  | 0.2  | 1.67 | 2  | <10 | 10  | <0.5 | <2 | 0.62 | <0.5 | 24 | 1   | 85  | 5.66  | 10  | <1 | 0.02 | <10 | 0.95 |
| 369706 | 444005    | 5426240 | Gabbro, magnetic, Py.                                  | 0.3  | 3.31 | <2 | <10 | 20  | <0.5 | 3  | 2.43 | <0.5 | 41 | 7   | 230 | 8.39  | 10  | <1 | 0.06 | <10 | 2.20 |
| 369707 | 444014    | 5426207 | Gabbro, silicified, Py.                                | <0.2 | 2.84 | 2  | <10 | <10 | <0.5 | <2 | 2.74 | <0.5 | 42 | 34  | 176 | 5.86  | 10  | <1 | 0.01 | <10 | 1.78 |
| 369708 | 444020    | 5426146 | wide.                                                  | <0.2 | 3.33 | <2 | <10 | 20  | <0.5 | 2  | 5.53 | <0.5 | 33 | 32  | 77  | 8.93  | 10  | <1 | 0.08 | <10 | 1.49 |
| 369709 | 444007    | 5426106 | Gabbro, silicified, magnetic, Py.                      | 0.4  | 2.97 | <2 | <10 | 20  | <0.5 | <2 | 5.42 | <0.5 | 31 | 25  | 79  | 8.18  | 10  | <1 | 0.06 | <10 | 1.28 |
| 369710 | 444015    | 5425700 | Gabbro, medium grained, Py.                            | 0.3  | 3.95 | 3  | <10 | 10  | <0.5 | 3  | 2.60 | <0.5 | 45 | 161 | 80  | 8.12  | 10  | <1 | 0.01 | <10 | 3.23 |
| 369711 | 444876    | 5426946 | Felsic, trace level Py.                                | 0.3  | 1.9  | <2 | <10 | 50  | <0.5 | 2  | 2.72 | <0.5 | 16 | 84  | 28  | 2.37  | 10  | <1 | 0.06 | 20  | 1.71 |
| 369712 | 444951    | 5426744 | Basalt, Py.                                            | 0.5  | 3.29 | 2  | <10 | 10  | <0.5 | 2  | 1.98 | <0.5 | 43 | 50  | 137 | 6.54  | 10  | <1 | 0.01 | <10 | 2.47 |
| 369713 | 445159    | 5427277 | Gabbro, magnetic, Py.                                  | 0.3  | 3.78 | <2 | <10 | 20  | <0.5 | <2 | 3.66 | <0.5 | 37 | <1  | 75  | 10.05 | 20  | <1 | 0.01 | <10 | 2.66 |
| 369714 | 445251    | 5426637 | Qtz vein.                                              | <0.2 | 0.21 | <2 | <10 | 10  | <0.5 | 2  | 0.17 | <0.5 | 4  | 35  | 12  | 0.53  | <10 | <1 | 0.01 | <10 | 0.13 |
| 369715 | 444610    | 5426404 | Basalt, trace Py.                                      | 0.5  | 4.24 | 2  | <10 | 30  | <0.5 | <2 | 6.14 | <0.5 | 45 | 62  | 123 | 9.28  | 20  | 1  | 0.03 | <10 | 1.28 |
| 369716 | 444613    | 5426451 | Basalt, magnetic.                                      | 0.5  | 3.92 | <2 | <10 | 30  | <0.5 | 2  | 2.10 | <0.5 | 51 | 11  | 199 | 9.63  | 10  | <1 | 0.04 | <10 | 2.67 |
| 369717 | 444634    | 5426485 | Basalt, magnetic, trace Py.                            | <0.2 | 3.42 | <2 | <10 | 10  | <0.5 | 2  | 1.50 | <0.5 | 39 | 24  | 87  | 6.90  | 10  | <1 | 0.01 | <10 | 2.63 |

| Sample | UTM NAD83 |         | Description                                | Ag   | Al   | As | B   | Ba  | Be   | Bi | Ca   | Cd   | Co | Cr  | Cu  | Fe    | Ga  | Hg | K     | La  | Mg   |
|--------|-----------|---------|--------------------------------------------|------|------|----|-----|-----|------|----|------|------|----|-----|-----|-------|-----|----|-------|-----|------|
| 369718 | 444606    | 5426638 | Felsic, slightly magnetic.                 | <0.2 | 0.4  | <2 | <10 | 50  | <0.5 | 2  | 1.07 | <0.5 | 7  | 5   | 33  | 1.13  | <10 | <1 | 0.10  | 10  | 0.19 |
| 369719 | 444640    | 5427078 | Felsic, Py, cPy.                           | 0.2  | 0.36 | <2 | <10 | 50  | <0.5 | 2  | 1.12 | <0.5 | 5  | 7   | 18  | 1.01  | <10 | <1 | 0.10  | 10  | 0.22 |
| 369720 | 444682    | 5426602 | Basalt, shear, Py.                         | <0.2 | 3.66 | <2 | <10 | 20  | <0.5 | <2 | 5.13 | <0.5 | 32 | 36  | 80  | 8.73  | 20  | <1 | 0.03  | <10 | 1.40 |
| 369721 | 444334    | 5426192 | Felsic, Py.                                | <0.2 | 1.93 | 10 | <10 | <10 | <0.5 | <2 | 0.76 | <0.5 | 26 | 17  | 136 | 2.61  | <10 | <1 | <0.01 | <10 | 1.71 |
| 369722 | 444326    | 5426246 | Basalt, shear zone, calcite.               | <0.2 | 3.82 | 4  | <10 | 30  | <0.5 | <2 | 4.87 | <0.5 | 34 | 252 | 71  | 5.61  | 10  | <1 | 0.24  | 30  | 4.46 |
| 369723 | 444336    | 5426365 | Basalt, shear zone, calcite, Py.           | <0.2 | 3.9  | 6  | <10 | 20  | <0.5 | <2 | 3.22 | <0.5 | 53 | 46  | 190 | 8.25  | 10  | <1 | 0.05  | <10 | 2.62 |
| 369724 | 444276    | 5426540 | Felsic, calcite, Py.                       | <0.2 | 0.75 | <2 | <10 | 60  | <0.5 | <2 | 1.05 | <0.5 | 10 | 15  | 33  | 2.27  | <10 | <1 | 0.12  | 10  | 0.58 |
| 369725 | 444167    | 5426745 | Granite, magnetic, calcite.                | 0.2  | 0.68 | <2 | <10 | 80  | <0.5 | <2 | 1.46 | <0.5 | 5  | 11  | 15  | 1.20  | <10 | <1 | 0.24  | 10  | 0.45 |
| 369726 | 444159    | 5425886 | Basalt, shear zone, calcite, magnetic, Py. | <0.2 | 5.68 | <2 | <10 | 40  | <0.5 | <2 | 5.31 | <0.5 | 41 | 69  | 77  | 13.40 | 20  | <1 | 0.02  | <10 | 2.68 |
| 369727 | 444161    | 5425835 | Basalt, magnetic, calcite, Py.             | <0.2 | 2.47 | <2 | <10 | 10  | <0.5 | <2 | 3.54 | <0.5 | 23 | <1  | 23  | 10.55 | 20  | <1 | 0.01  | <10 | 1.28 |
| 369728 | 442850    | 5427072 | Granite                                    | <0.2 | 0.59 | <2 | <10 | 80  | <0.5 | <2 | 0.31 | <0.5 | 5  | 9   | 8   | 1.06  | <10 | <1 | 0.20  | 10  | 0.35 |
| 369729 | 442954    | 5427119 | Granite, trace Py.                         | <0.2 | 0.68 | <2 | <10 | 80  | <0.5 | <2 | 0.49 | <0.5 | 5  | 10  | 7   | 1.01  | <10 | <1 | 0.24  | 10  | 0.43 |
| 369730 | 442905    | 5427140 | Granite, Py                                | <0.2 | 0.58 | <2 | <10 | 70  | <0.5 | <2 | 1.01 | <0.5 | 6  | 11  | 6   | 0.85  | <10 | <1 | 0.16  | 10  | 0.31 |
| 369731 | 442762    | 5427235 | Granite, trace Py.                         | <0.2 | 0.69 | <2 | <10 | 90  | <0.5 | <2 | 0.39 | <0.5 | 6  | 11  | 6   | 1.12  | <10 | <1 | 0.26  | 10  | 0.48 |
| 369732 | 442542    | 5427276 | Granite                                    | <0.2 | 0.59 | <2 | <10 | 80  | <0.5 | <2 | 0.28 | <0.5 | 4  | 9   | 4   | 0.92  | <10 | <1 | 0.21  | 10  | 0.36 |
| 369733 | 442548    | 5427164 | Granite, Py.                               | 0.2  | 0.64 | <2 | <10 | 100 | <0.5 | <2 | 0.77 | <0.5 | 6  | 15  | 5   | 1.10  | <10 | <1 | 0.35  | 10  | 0.42 |
| 369734 | 442995    | 5427358 | Granite, mica.                             | <0.2 | 0.6  | <2 | <10 | 90  | <0.5 | <2 | 0.29 | <0.5 | 4  | 16  | 4   | 0.99  | <10 | <1 | 0.23  | 10  | 0.34 |
| 369735 | 451637    | 5411523 | Mafic, qtz stringers, Py.                  | <0.2 | 2.48 | <2 | <10 | 220 | <0.5 | <2 | 1.75 | <0.5 | 15 | 119 | 89  | 2.26  | 10  | <1 | 0.35  | 10  | 0.85 |
| 369736 | 451491    | 5412143 | Qtz dyke, medium grained.                  | <0.2 | 0.26 | <2 | <10 | 30  | <0.5 | <2 | 0.06 | <0.5 | 1  | 4   | 19  | 0.45  | <10 | <1 | 0.11  | 10  | 0.07 |
| 369737 | 451367    | 5412313 | Mafic, 3" qtz vein, Py.                    | <0.2 | 0.79 | <2 | <10 | 50  | <0.5 | <2 | 0.53 | <0.5 | 6  | 8   | 24  | 1.44  | <10 | <1 | 0.12  | <10 | 0.49 |
| 369738 | 451323    | 5412520 | Mafic, magnetic, trace Py.                 | <0.2 | 1.17 | <2 | <10 | <10 | <0.5 | <2 | 1.29 | <0.5 | 11 | 2   | 39  | 4.1   | 10  | <1 | 0.05  | <10 | 0.39 |
| 369739 | 451310    | 5412679 | Mafic, silicified, fine grained, Py.       | <0.2 | 1    | <2 | <10 | 10  | <0.5 | <2 | 1.02 | <0.5 | 15 | 5   | 51  | 1.42  | <10 | <1 | 0.06  | <10 | 0.66 |
| 369740 | 451613    | 5412723 | Mafic, medium grained, Py.                 | <0.2 | 0.83 | <2 | <10 | 20  | <0.5 | <2 | 0.81 | <0.5 | 19 | 17  | 252 | 2.38  | <10 | <1 | 0.10  | 10  | 0.43 |
| 369741 | 450873    | 5412962 | Mafic, quartz, Py.                         | <0.2 | 1.22 | <2 | <10 | <10 | <0.5 | <2 | 1.43 | <0.5 | 12 | 1   | 228 | 2.31  | <10 | <1 | 0.06  | <10 | 0.56 |
| 369742 | 450850    | 5412992 | Mafic, quartz, rusted, Py.                 | <0.2 | 0.75 | <2 | <10 | 10  | <0.5 | <2 | 0.83 | <0.5 | 12 | 4   | 221 | 1.44  | <10 | <1 | 0.06  | <10 | 0.33 |
| 369743 | 450834    | 5413004 | Mafic, cut by qtz vein, Py.                | <0.2 | 0.94 | <2 | <10 | 10  | <0.5 | <2 | 0.77 | <0.5 | 7  | 4   | 49  | 1.58  | <10 | <1 | 0.08  | <10 | 0.45 |
| 369744 | 450740    | 5413014 | Mafic, trace Py.                           | <0.2 | 1.12 | <2 | <10 | <10 | <0.5 | <2 | 1.14 | <0.5 | 12 | 9   | 87  | 2.05  | <10 | <1 | 0.09  | <10 | 0.63 |
| 369745 | 450569    | 5413572 | Mafic, quartz vein, trace Py.              | <0.2 | 0.97 | <2 | <10 | 20  | <0.5 | <2 | 0.77 | <0.5 | 6  | 12  | 27  | 0.98  | <10 | <1 | 0.18  | <10 | 0.57 |
| 369746 | 451078    | 5413193 | Mafic, Py.                                 | <0.2 | 0.76 | <2 | <10 | 10  | <0.5 | <2 | 0.98 | <0.5 | 7  | 25  | 43  | 1.43  | <10 | <1 | 0.06  | <10 | 0.51 |
| 369747 | 450892    | 5413411 | Mafic, quartz, Py.                         | <0.2 | 1.75 | <2 | <10 | 20  | <0.5 | <2 | 1.68 | <0.5 | 9  | 31  | 103 | 0.88  | <10 | <1 | 0.04  | <10 | 0.35 |
| 369748 | 450289    | 5412702 | Mafic, Py.                                 | <0.2 | 1.17 | <2 | <10 | 10  | <0.5 | <2 | 1.34 | <0.5 | 18 | 20  | 78  | 3.02  | 10  | <1 | 0.13  | <10 | 0.82 |

| Sample | UTM NAD83 |         | Description                                                         | Ag   | Al   | As | B   | Ba  | Be   | Bi | Ca   | Cd   | Co | Cr  | Cu  | Fe    | Ga  | Hg | K     | La  | Mg   |
|--------|-----------|---------|---------------------------------------------------------------------|------|------|----|-----|-----|------|----|------|------|----|-----|-----|-------|-----|----|-------|-----|------|
| 369749 | 450311    | 5412623 | Mafic, quartz vein, Py.                                             | <0.2 | 1.16 | <2 | <10 | 40  | <0.5 | <2 | 0.90 | <0.5 | 16 | 61  | 93  | 2.27  | <10 | <1 | 0.19  | <10 | 0.95 |
| 369750 | 447851    | 5412072 | Mafic, Py.                                                          | <0.2 | 1.33 | <2 | <10 | 20  | <0.5 | <2 | 0.82 | <0.5 | 14 | 100 | 56  | 2.69  | 10  | <1 | 0.08  | 10  | 1.19 |
| 369751 | 443510    | 5426523 | Qtz vein, 3m x 1m wide, 5cm thick, trace Py.                        | <0.2 | 0.24 | 2  | <10 | 30  | <0.5 | <2 | 0.31 | <0.5 | 2  | 14  | 17  | 0.54  | <10 | <1 | 0.06  | <10 | 0.13 |
| 369752 | 443805    | 5425881 | Basalt, dark green, f.g., Py.                                       | 0.4  | 3.6  | 4  | <10 | 10  | <0.5 | <2 | 1.76 | <0.5 | 37 | 38  | 196 | 6.75  | 10  | 1  | 0.01  | <10 | 2.42 |
| 369753 | 443809    | 5426101 | Gabbro, dark green, fine grained, strongly magnetic, Py.            | <0.2 | 4.31 | 4  | <10 | 10  | <0.5 | <2 | 3.62 | <0.5 | 46 | <1  | 111 | 11.25 | 20  | 1  | 0.01  | <10 | 1.97 |
| 369754 | 443812    | 5426165 | Basalt, dark green, c.g., Py.                                       | 0.3  | 3.89 | 2  | <10 | 10  | <0.5 | <2 | 1.38 | <0.5 | 50 | 73  | 181 | 6.25  | 10  | 1  | 0.01  | <10 | 3.03 |
| 369755 | 443796    | 5426196 | Gabbro, dark green, m.g., Py, fizz, moderate magnetism.             | <0.2 | 3.06 | 4  | <10 | 20  | <0.5 | <2 | 1.11 | <0.5 | 35 | 1   | 183 | 7.00  | 10  | <1 | 0.05  | <10 | 1.66 |
| 369756 | 444097    | 5426251 | Gabbro, medium green, Py, fizz.                                     | <0.2 | 3.13 | <2 | <10 | <10 | <0.5 | <2 | 1.03 | <0.5 | 37 | 24  | 216 | 5.98  | 10  | <1 | <0.01 | <10 | 1.93 |
| 369757 | 444046    | 5426197 | Gabbro, dark green, medium grained, cubic Py, fizz                  | 0.2  | 2.83 | 3  | <10 | 10  | <0.5 | <2 | 0.84 | <0.5 | 37 | 22  | 213 | 5.20  | 10  | <1 | 0.02  | <10 | 1.71 |
| 369758 | 444124    | 5425905 | Granite, brown-red, black spots, qtz stringers.                     | 0.2  | 0.74 | 2  | <10 | 30  | <0.5 | <2 | 1.83 | <0.5 | 5  | 4   | 5   | 1.39  | <10 | 1  | 0.07  | 10  | 0.35 |
| 369759 | 444135    | 5425834 | Basalt, dark green, fizz on stringers, Py.                          | 0.2  | 5.36 | 4  | <10 | 30  | <0.5 | <2 | 5.20 | <0.5 | 47 | 80  | 130 | 10.00 | 10  | 1  | 0.10  | <10 | 2.39 |
| 369760 | 445193    | 5426620 | Basalt, m.g., quartz mix, fine Py, weak magnetic, fizz.             | 0.2  | 1.96 | 3  | <10 | 20  | <0.5 | <2 | 2.20 | <0.5 | 49 | 395 | 55  | 3.32  | <10 | 1  | 0.02  | <10 | 1.41 |
| 369761 | 445416    | 5427014 | Basalt, dark green, m.g. to c.g., moderate magnetism, fizz.         | 0.4  | 5.72 | <2 | <10 | 20  | <0.5 | <2 | 4.34 | <0.5 | 39 | 167 | 197 | 9.86  | 20  | 2  | 0.01  | <10 | 3.33 |
| 369762 | 444899    | 5426786 | Felsic, dark green, m.g., cubic Py, fizz.                           | 0.2  | 3.22 | 7  | <10 | 30  | <0.5 | <2 | 1.34 | <0.5 | 45 | 36  | 201 | 6.08  | 10  | <1 | 0.02  | <10 | 2.11 |
| 369763 | 444899    | 5426678 | Felsic, dark green, m.g., strongly magnetic, fizz on cracks, Py     | <0.2 | 5.08 | 3  | <10 | 10  | <0.5 | <2 | 1.11 | <0.5 | 64 | 43  | 222 | 11.45 | 10  | 1  | 0.01  | <10 | 3.30 |
| 369764 | 444699    | 5426641 | Felsic, dark green, f.g. to m.g., strongly mag, fizz on cracks, Py. | <0.2 | 4.97 | 6  | <10 | 20  | <0.5 | <2 | 4.02 | <0.5 | 40 | 58  | 121 | 10.85 | 20  | <1 | 0.03  | <10 | 2.82 |
| 369765 | 444692    | 5426687 | Qtz, tan-brown, quartz eyes, fine Py.                               | 0.5  | 0.25 | 5  | <10 | 60  | <0.5 | 2  | 0.97 | <0.5 | 6  | 3   | 10  | 1.67  | <10 | <1 | 0.05  | 10  | 0.10 |
| 369766 | 444689    | 5426605 | Basalt, felsic shear, dark green, trace Py, fizz.                   | 0.2  | 4.5  | <2 | <10 | 30  | <0.5 | <2 | 6.46 | <0.5 | 36 | 39  | 103 | 9.39  | 20  | 1  | 0.03  | 10  | 1.72 |



| Sample | UTM NAD83 |         | Description                                                             | Ag   | Al   | As | B   | Ba  | Be   | Bi | Ca   | Cd   | Co | Cr | Cu  | Fe   | Ga  | Hg | K     | La  | Mg   |
|--------|-----------|---------|-------------------------------------------------------------------------|------|------|----|-----|-----|------|----|------|------|----|----|-----|------|-----|----|-------|-----|------|
| 369767 | 444497    | 5426267 | Granite, red-brown, rusted on cracks, qtz eyes, fine Py, fizz           | <0.2 | 0.27 | 3  | <10 | 60  | <0.5 | <2 | 0.85 | <0.5 | 4  | 4  | 1   | 1.21 | <10 | <1 | 0.07  | 10  | 0.07 |
| 369768 | 444517    | 5426551 | Basalt, felsic, moderate dark green, quartz shear, m.g., cubic Py, fizz | <0.2 | 3.45 | 6  | <10 | 10  | <0.5 | <2 | 4.39 | <0.5 | 36 | 55 | 206 | 6.63 | 10  | <1 | 0.03  | <10 | 1.99 |
| 369769 | 444463    | 5426708 | Granite, grey-pink-black mix, qtz mix, qtz eyes, c.g., Py.              | <0.2 | 0.46 | 2  | <10 | 50  | <0.5 | <2 | 1.76 | <0.5 | 3  | 5  | 135 | 0.83 | <10 | <1 | 0.13  | 10  | 0.22 |
| 369770 | 444203    | 5426370 | Basalt, c.g., dark green, fizz on stringers, Py.                        | 0.2  | 3.54 | 6  | <10 | 10  | <0.5 | <2 | 1.82 | <0.5 | 42 | 66 | 179 | 5.93 | 10  | <1 | 0.01  | <10 | 2.51 |
| 369771 | 444198    | 5426294 | Basalt, c.g., dark green, shear, cubic Py.                              | 0.3  | 4.23 | 4  | <10 | 10  | <0.5 | <2 | 1.58 | <0.5 | 43 | 40 | 220 | 8.15 | 10  | 2  | 0.01  | <10 | 2.51 |
| 369772 | 444361    | 5426292 | Basalt, shear rock, dark green, c.g., Py, fizz little                   | <0.2 | 4.31 | 3  | <10 | 10  | <0.5 | <2 | 2.26 | <0.5 | 43 | 15 | 153 | 7.80 | 10  | <1 | <0.01 | <10 | 2.84 |
| 369773 | 442742    | 5427165 | black, qtz eyes, c.g., weak                                             | <0.2 | 0.7  | <2 | <10 | 120 | <0.5 | <2 | 0.31 | <0.5 | 5  | 10 | 6   | 1.08 | <10 | <1 | 0.34  | 10  | 0.44 |
| 369774 | 442497    | 5427281 | Granite, grey-pink-lime green, black garnets, c.g., qtz eyes.           | <0.2 | 0.51 | 3  | <10 | 60  | <0.5 | <2 | 0.26 | <0.5 | 3  | 7  | 8   | 0.74 | <10 | <1 | 0.14  | 10  | 0.25 |
| 369775 | 442296    | 5427133 | green, black garnets, qtz                                               | <0.2 | 0.45 | 2  | <10 | 40  | <0.5 | <2 | 0.25 | <0.5 | 2  | 8  | 33  | 0.57 | <10 | <1 | 0.07  | <10 | 0.20 |
| 369776 | 442254    | 5426968 | Granite, pink-grey, black garnets, dike, qtz eyes.                      | <0.2 | 0.41 | 2  | <10 | 50  | <0.5 | <2 | 0.16 | <0.5 | 2  | 7  | 4   | 0.59 | <10 | <1 | 0.11  | 10  | 0.16 |
| 369777 | 451609    | 5411453 | f.g., weak magnetic, fine Py.                                           | <0.2 | 2.98 | <2 | <10 | 10  | <0.5 | <2 | 2.43 | <0.5 | 13 | 81 | 62  | 1.51 | 10  | <1 | 0.06  | <10 | 0.55 |
| 369778 | 451302    | 5412441 | Granite, quartz, red-pink, black specks, coarse grained.                | <0.2 | 0.35 | <2 | <10 | 30  | <0.5 | <2 | 0.07 | <0.5 | 1  | 5  | 5   | 0.77 | <10 | <1 | 0.11  | 10  | 0.12 |
| 369779 | 451300    | 5412701 | Mafic, black, c.g., band grey+pink, strongly magnetic.                  | <0.2 | 0.74 | <2 | <10 | 20  | <0.5 | <2 | 1.13 | <0.5 | 11 | 10 | 50  | 2.67 | <10 | <1 | 0.09  | 10  | 0.63 |
| 369780 | 451313    | 5412870 | Mafic, black-dark green, rusted, fine Py.                               | <0.2 | 2.06 | <2 | <10 | 70  | <0.5 | <2 | 2.93 | <0.5 | 17 | 33 | 159 | 1.47 | <10 | <1 | 0.04  | <10 | 0.69 |
| 369781 | 450604    | 5413134 | Mafic, shear, rusted.                                                   | <0.2 | 1.19 | <2 | <10 | 170 | <0.5 | <2 | 0.32 | <0.5 | 29 | 17 | 103 | 3.52 | <10 | <1 | 0.70  | <10 | 0.91 |
| 369782 | 450591    | 5413150 | Basalt, shear, badly rusted, fine Py.                                   | 0.7  | 0.49 | <2 | <10 | 10  | <0.5 | <2 | 0.66 | 10.6 | 67 | 56 | 206 | 9.31 | <10 | <1 | 0.06  | <10 | 0.10 |
| 369783 | 450559    | 5413617 | Mafic, c.g., dark green, qtz-mica schist?, Py.                          | <0.2 | 2.01 | <2 | <10 | 20  | <0.5 | <2 | 1.63 | <0.5 | 6  | 30 | 29  | 0.69 | <10 | <1 | 0.08  | <10 | 0.39 |
| 369784 | 450484    | 5413712 | Mafic, dark green-black, c.g., Py, strongly magnetic, qtz-mica schist?  | 0.4  | 0.22 | <2 | <10 | <10 | <0.5 | <2 | 0.48 | 0.5  | 38 | 7  | 497 | 7.26 | <10 | <1 | 0.03  | <10 | 0.05 |

| Sample | UTM NAD83 |         | Description                                                   | Ag   | Al   | As | B   | Ba  | Be   | Bi | Ca   | Cd   | Co | Cr  | Cu  | Fe    | Ga  | Hg | K    | La  | Mg   |
|--------|-----------|---------|---------------------------------------------------------------|------|------|----|-----|-----|------|----|------|------|----|-----|-----|-------|-----|----|------|-----|------|
| 369785 | 450875    | 5413483 | Mafic, qtz-mica schist?, black, c.g., trace Py.               | <0.2 | 0.91 | <2 | <10 | 30  | <0.5 | <2 | 0.61 | <0.5 | 8  | 43  | 36  | 1.49  | <10 | <1 | 0.10 | <10 | 0.67 |
| 369786 | 450318    | 5412705 | Qtz vein, red, c.g., black spots, trace Py.                   | <0.2 | 0.25 | <2 | <10 | 20  | <0.5 | <2 | 0.08 | <0.5 | 1  | 9   | 9   | 0.52  | <10 | <1 | 0.11 | <10 | 0.08 |
| 369787 | 447853    | 5412055 | Mafic, dark green-black, m.g., Py.                            | <0.2 | 2.03 | <2 | <10 | 510 | <0.5 | <2 | 0.21 | <0.5 | 15 | 116 | 22  | 3.91  | 10  | <1 | 1.57 | 10  | 1.51 |
| 369788 | 448029    | 5412225 | Mafic, dark green-black, qtz stringer, rusted, Py             | 0.4  | 1.26 | <2 | <10 | 50  | <0.5 | <2 | 1.28 | <0.5 | 14 | 28  | 136 | 7.06  | 10  | <1 | 0.23 | 10  | 0.66 |
| 369801 | 443136    | 5425856 | @60deg, n. shoreline of                                       | <0.2 | 1.66 | <2 | <10 | 190 | <0.5 | <2 | 0.67 | <0.5 | 20 | 664 | 21  | 2.1   | 10  | <1 | 1.17 | 20  | 2.38 |
| 369802 | 443285    | 5425787 | Gabbro, fine grained, trace Py.                               | <0.2 | 1.97 | <2 | <10 | 10  | <0.5 | <2 | 1.85 | <0.5 | 7  | 49  | 44  | 1.19  | <10 | <1 | 0.05 | <10 | 0.50 |
| 369803 | 443305    | 5425967 | Gabbro, medium grained, trace Py.                             | <0.2 | 0.48 | <2 | <10 | 90  | <0.5 | <2 | 0.06 | <0.5 | 2  | 6   | 29  | 0.85  | <10 | <1 | 0.09 | <10 | 0.21 |
| 369804 | 443328    | 5426251 | Gabbro, blue, trace cPy + Py.                                 | <0.2 | 0.35 | <2 | <10 | 20  | <0.5 | <2 | 0.10 | <0.5 | 1  | 6   | 10  | 0.63  | <10 | <1 | 0.12 | <10 | 0.10 |
| 369805 | 443590    | 5425812 | Gabbro, blue, f.g., shear trending 045deg, trace Py.          | <0.2 | 1.86 | <2 | <10 | 10  | <0.5 | <2 | 1.65 | <0.5 | 12 | 13  | 83  | 1.08  | <10 | <1 | 0.04 | <10 | 0.22 |
| 369806 | 443621    | 5426025 | Gabbro, f.g., blue, disseminated 1% Py.                       | 0.3  | 0.47 | <2 | <10 | <10 | <0.5 | <2 | 0.61 | <0.5 | 12 | 11  | 248 | 1.54  | <10 | <1 | 0.05 | <10 | 0.15 |
| 369807 | 443690    | 5426223 | Gabbro, blue, f.g, Fe/cb float, 1% cPy + Py, malachite stain. | 0.5  | 1.22 | <2 | <10 | <10 | <0.5 | <2 | 0.87 | <0.5 | 30 | 24  | 454 | 5.75  | <10 | <1 | 0.12 | <10 | 0.46 |
| 369808 | 445232    | 5426630 | width (more stripping)                                        | 1.1  | 1.02 | 2  | <10 | 10  | <0.5 | <2 | 0.93 | <0.5 | 19 | 21  | 972 | 5.15  | <10 | <1 | 0.08 | <10 | 0.33 |
| 369809 | 444611    | 5426399 | Gabbro, f.g., shear @ 050°, tr. cPy.                          | <0.2 | 0.31 | <2 | <10 | 20  | <0.5 | <2 | 0.81 | <0.5 | 10 | 2   | 62  | 3.53  | <10 | <1 | 0.01 | <10 | 0.11 |
| 369810 | 444610    | 5426449 | Gabbro, f.g., slightly magnetic.                              | 0.2  | 0.18 | <2 | <10 | 10  | <0.5 | <2 | 0.39 | <0.5 | 26 | 5   | 377 | 8.08  | <10 | <1 | 0.02 | <10 | 0.05 |
| 369811 | 444623    | 5426484 | Gabbro, f.g. to m.g., trace Py, magnetic.                     | <0.2 | 1.08 | <2 | <10 | 40  | <0.5 | <2 | 1.24 | <0.5 | 15 | 21  | 83  | 2.81  | <10 | <1 | 0.09 | 10  | 0.56 |
| 369812 | 444640    | 5427082 | cPy, cubic Py, cPy 'disease'                                  | <0.2 | 2.3  | <2 | <10 | 80  | <0.5 | <2 | 1.81 | <0.5 | 6  | 37  | 31  | 1     | <10 | <1 | 0.05 | <10 | 0.41 |
| 369813 | 444391    | 5426301 | Gabbro, c.g., shear striking 050°, tr sulphide                | <0.2 | 0.18 | <2 | <10 | 20  | <0.5 | <2 | 0.10 | <0.5 | 4  | 12  | 13  | 0.84  | <10 | <1 | 0.05 | <10 | 0.07 |
| 369814 | 444356    | 5426462 | Gabbro, fine grained, non magnetic, trace cubic Py.           | <0.2 | 2.7  | <2 | <10 | 20  | <0.5 | <2 | 1.05 | <0.5 | 31 | 40  | 220 | 7.97  | 10  | <1 | 0.02 | <10 | 2.19 |
| 369815 | 444349    | 5426454 | Gabbro, m.g. to c.g., 1% disseminated trace level cPy         | 0.2  | 1.77 | <2 | <10 | 10  | <0.5 | <2 | 1.18 | <0.5 | 21 | 26  | 68  | 8.15  | 10  | <1 | 0.01 | <10 | 0.95 |
| 369816 | 444255    | 5425916 | Gabbro, cg, strongly magnetic, 1% Py-cpy.                     | <0.2 | 2.54 | <2 | <10 | 10  | <0.5 | <2 | 1.25 | <0.5 | 28 | <1  | 40  | 11.50 | 10  | <1 | 0.03 | <10 | 1.76 |

| Sample | UTM NAD83 |         | Description                                                     | Ag   | Al   | As | B   | Ba  | Be   | Bi | Ca   | Cd   | Co | Cr  | Cu  | Fe    | Ga  | Hg | K     | La  | Mg   |
|--------|-----------|---------|-----------------------------------------------------------------|------|------|----|-----|-----|------|----|------|------|----|-----|-----|-------|-----|----|-------|-----|------|
| 369817 | 444655    | 5426558 | Basalt, silicified, sheared @ 045°, trace f.g. sulphide.        | 0.2  | 3.69 | <2 | <10 | 30  | <0.5 | <2 | 4.73 | <0.5 | 36 | 36  | 104 | 10.60 | 10  | <1 | 0.05  | <10 | 1.61 |
| 369818 | 442821    | 5427072 | Gabbro, boulder, 1% Py, fine grained, trace cPy.                | <0.2 | 3.1  | <2 | <10 | 10  | <0.5 | <2 | 1.34 | <0.5 | 34 | 62  | 141 | 3.09  | 10  | <1 | 0.01  | <10 | 1.86 |
| 369819 | 442783    | 5427084 | Granite, c.g., white-pink-green, black garnets.                 | 0.2  | 1.5  | <2 | <10 | 10  | <0.5 | <2 | 1.61 | <0.5 | 21 | 11  | 13  | 1.25  | <10 | <1 | 0.02  | <10 | 0.68 |
| 369820 | 442706    | 5427131 | Granite, white, coarse grained, black garnets, trace cPy        | 0.3  | 0.3  | <2 | <10 | <10 | <0.5 | <2 | 0.46 | <0.5 | 4  | 13  | 11  | 1.18  | <10 | <1 | <0.01 | <10 | 0.29 |
| 369821 | 442698    | 5427137 | Gabbro, f.g. to mg., green, between two granites.               | <0.2 | 4.25 | <2 | <10 | 40  | <0.5 | <2 | 2.60 | <0.5 | 43 | 35  | 5   | 5.95  | 10  | <1 | 0.07  | <10 | 0.93 |
| 369822 | 442680    | 5427214 | Gabbro, weakly magnetic, blue, f.g., trace sulphide, trace cPy. | <0.2 | 4.83 | <2 | <10 | 20  | <0.5 | <2 | 2.11 | <0.5 | 57 | 210 | 84  | 5.11  | 10  | <1 | 0.03  | <10 | 3.22 |
| 369823 | 442675    | 5427229 | Felsic, f.g., cubic cpy, 10 per lb of rock, float.              | <0.2 | 2.94 | <2 | <10 | 20  | <0.5 | <2 | 2.29 | <0.5 | 36 | 23  | 51  | 3.29  | 10  | <1 | 0.03  | <10 | 2.11 |
| 369824 | 452067    | 5412040 | NDA                                                             | <0.2 | 0.43 | <2 | <10 | 60  | <0.5 | <2 | 1.29 | <0.5 | 5  | 664 | 21  | 2.10  | <10 | <1 | 0.16  | 10  | 0.21 |
| 369825 | 451287    | 5411772 | NDA                                                             | <0.2 | 4.58 | <2 | <10 | 10  | <0.5 | <2 | 4.07 | <0.5 | 51 | 49  | 44  | 1.19  | 10  | <1 | 0.01  | <10 | 3.43 |
| 369826 | 451322    | 5412465 | NDA                                                             | <0.2 | 3.19 | <2 | <10 | 30  | <0.5 | <2 | 1.34 | <0.5 | 33 | 6   | 29  | 0.85  | 10  | <1 | 0.08  | <10 | 1.91 |
| 369827 | 451323    | 5412523 | NDA                                                             | <0.2 | 2.87 | <2 | <10 | 70  | <0.5 | <2 | 0.81 | <0.5 | 30 | 6   | 10  | 0.63  | 10  | <1 | 0.15  | <10 | 1.81 |
| 369828 | 451538    | 5412685 | NDA                                                             | <0.2 | 3.8  | <2 | <10 | 40  | <0.5 | <2 | 1.27 | <0.5 | 40 | 13  | 83  | 1.08  | 20  | <1 | 0.08  | <10 | 2.63 |
| 369829 | 451510    | 5412727 | NDA                                                             | 0.3  | 4.41 | <2 | <10 | 20  | <0.5 | <2 | 6.39 | <0.5 | 39 | 11  | 248 | 1.54  | 20  | <1 | 0.01  | <10 | 2.00 |
| 369830 | 450598    | 5413147 | NDA                                                             | 0.5  | 2.07 | <2 | <10 | <10 | <0.5 | <2 | 0.92 | <0.5 | 22 | 24  | 454 | 5.75  | <10 | <1 | 0.01  | <10 | 1.13 |
| 369831 | 450598    | 5413147 | NDA                                                             | 1.1  | 0.71 | 2  | <10 | 110 | <0.5 | <2 | 0.44 | <0.5 | 6  | 21  | 972 | 5.15  | <10 | <1 | 0.39  | 10  | 0.47 |
| 369832 | 450503    | 5413700 | NDA                                                             | <0.2 | 0.76 | <2 | <10 | 120 | <0.5 | <2 | 0.50 | <0.5 | 6  | 2   | 62  | 3.53  | <10 | <1 | 0.41  | 20  | 0.51 |
| 369833 | 450505    | 5413706 | NDA                                                             | 0.2  | 3.25 | <2 | <10 | <10 | <0.5 | <2 | 2.13 | <0.5 | 33 | 5   | 377 | 8.08  | 10  | <1 | 0.01  | <10 | 2.53 |
| 369834 | 451083    | 5413201 | NDA                                                             | <0.2 | 3    | <2 | <10 | 10  | <0.5 | <2 | 2.36 | <0.5 | 31 | 21  | 83  | 2.81  | 10  | <1 | <0.01 | <10 | 3.12 |
| 369835 | 450888    | 5413427 | NDA                                                             | <0.2 | 2.01 | <2 | <10 | 50  | <0.5 | <2 | 2.85 | <0.5 | 23 | 37  | 31  | 1.00  | 10  | <1 | 0.09  | 10  | 1.27 |
| 369836 | 448029    | 5412225 | NDA                                                             | <0.2 | 0.18 | <2 | <10 | 20  | <0.5 | <2 | 0.10 | <0.5 | 4  | 12  | 13  | 0.84  | <10 | <1 | 0.05  | <10 | 0.07 |

NDA - No Description Available

| Sample No. | Mn ppm | Mo ppm | Na %  | Ni ppm | P ppm | Pb ppm | S %   | Sb ppm | Sc ppm | Sr ppm | Th ppm | Tl %  | Tl ppm | U ppm | V ppm | W ppm | Zn ppm | Au (FA) ppb | Au ppm | Pt ppm | Pd ppm |
|------------|--------|--------|-------|--------|-------|--------|-------|--------|--------|--------|--------|-------|--------|-------|-------|-------|--------|-------------|--------|--------|--------|
| 369501     | 956    | <1     | 0.08  | 54     | 310   | <2     | 0.22  | 2      | 5      | 9      | <20    | 0.19  | <10    | <10   | 86    | <10   | 70     | 5           |        |        |        |
| 369502     | 40     | <1     | 0.01  | 4      | 10    | <2     | 2.98  | <2     | <1     | 2      | <20    | <0.01 | <10    | <10   | 2     | <10   | 3      | 111         |        |        |        |
| 369503     | 1390   | <1     | 0.02  | 64     | 280   | 2      | 0.98  | <2     | 11     | 181    | <20    | 0.07  | <10    | <10   | 75    | <10   | 70     | 73          |        |        |        |
| 369504     | 419    | <1     | 0.08  | 93     | 290   | 31     | 3.13  | <2     | 2      | 7      | <20    | 0.10  | <10    | <10   | 35    | <10   | 3710   | 20          |        |        |        |
| 369505     | 433    | 1      | 0.04  | 28     | 420   | 4      | 0.89  | <2     | 3      | 17     | <20    | 0.18  | <10    | <10   | 48    | <10   | 542    | 35          |        |        |        |
| 369506     | 307    | <1     | 0.06  | 41     | 290   | <2     | 0.07  | <2     | 3      | 11     | <20    | 0.17  | <10    | <10   | 46    | <10   | 40     | <5          |        |        |        |
| 369507     | 181    | <1     | 0.01  | 129    | 70    | 3      | 5.94  | <2     | 1      | 3      | <20    | 0.03  | <10    | <10   | 28    | <10   | 715    | 61          | 0.049  | <0.005 | 0.011  |
| 369508     | 962    | 1      | 0.01  | 114    | 360   | 3      | >10.0 | <2     | 3      | 6      | <20    | 0.12  | <10    | <10   | 67    | <10   | 385    | 21          | 0.021  | 0.005  | 0.007  |
| 369509     | 549    | <1     | 0.03  | 39     | 260   | 9      | 2.47  | <2     | 2      | 9      | <20    | 0.12  | <10    | <10   | 40    | <10   | 1280   | 15          | 0.016  | <0.005 | 0.003  |
| 369510     | 329    | 4      | 0.05  | 74     | 240   | <2     | 0.25  | <2     | 2      | 7      | <20    | 0.16  | <10    | <10   | 50    | <10   | 44     | <5          | 0.004  | <0.005 | 0.004  |
| 369511     | 288    | <1     | 0.03  | 68     | 240   | <2     | 2.23  | 2      | 3      | 7      | <20    | 0.13  | <10    | <10   | 38    | <10   | 99     | 11          | 0.011  | 0.010  | 0.010  |
| 369512     | 574    | <1     | 0.06  | 33     | 320   | <2     | 0.16  | 2      | 4      | 14     | <20    | 0.17  | <10    | <10   | 50    | <10   | 213    | 5           |        |        |        |
| 369513     | 348    | <1     | 0.07  | 23     | 350   | <2     | 0.05  | <2     | 4      | 8      | <20    | 0.10  | <10    | <10   | 41    | <10   | 30     | <5          |        |        |        |
| 369514     | 118    | <1     | <0.01 | 5      | 30    | <2     | <0.01 | <2     | <1     | 2      | <20    | 0.01  | <10    | <10   | 7     | <10   | 8      | <5          |        |        |        |
| 369515     | 766    | <1     | 0.09  | 37     | 260   | <2     | 0.68  | <2     | 5      | 6      | <20    | 0.09  | <10    | <10   | 42    | <10   | 68     | <5          |        |        |        |
| 369516     | 356    | <1     | 0.02  | 121    | 270   | 4      | 4.02  | <2     | 5      | 3      | <20    | 0.16  | <10    | <10   | 43    | <10   | 441    | 5           |        |        |        |
| 369517     | 1405   | <1     | 0.04  | 67     | 290   | 2      | 0.35  | <2     | 4      | 6      | <20    | 0.14  | <10    | <10   | 100   | <10   | 137    | <5          |        |        |        |
| 369518     | 267    | <1     | 0.10  | 33     | 290   | <2     | 0.19  | <2     | 4      | 9      | <20    | 0.10  | <10    | <10   | 53    | <10   | 31     | <5          |        |        |        |
| 369519     | 297    | <1     | 0.06  | 34     | 180   | <2     | 0.04  | <2     | 3      | 7      | <20    | 0.12  | <10    | <10   | 33    | <10   | 23     | <5          |        |        |        |
| 369520     | 245    | <1     | 0.02  | 41     | 120   | <2     | <0.01 | <2     | 2      | 7      | <20    | 0.10  | <10    | <10   | 28    | <10   | 23     | <5          |        |        |        |
| 369521     | 390    | <1     | 0.03  | 60     | 180   | 15     | 0.01  | <2     | 4      | 7      | <20    | 0.11  | <10    | <10   | 42    | <10   | 42     | <5          |        |        |        |
| 369522     | 583    | <1     | 0.02  | 132    | 430   | <2     | 0.08  | <2     | 2      | 36     | <20    | 0.10  | <10    | <10   | 57    | <10   | 65     | <5          | 0.003  | 0.011  | 0.013  |
| 369523     | 398    | <1     | 0.03  | 18     | 550   | <2     | 0.02  | <2     | 2      | 29     | <20    | 0.13  | <10    | <10   | 43    | <10   | 40     | <5          |        |        |        |
| 369524     | 378    | 4      | 0.03  | 105    | 100   | <2     | 0.23  | <2     | 3      | 6      | <20    | 0.11  | <10    | <10   | 35    | <10   | 37     | <5          |        |        |        |
| 369525     | 311    | <1     | 0.07  | 66     | 250   | <2     | 0.12  | <2     | 3      | 9      | <20    | 0.14  | <10    | <10   | 47    | <10   | 33     | <5          |        |        |        |
| 369526     | 363    | 2      | 0.07  | 43     | 310   | <2     | 0.40  | <2     | 5      | 7      | <20    | 0.11  | <10    | <10   | 72    | <10   | 45     | <5          |        |        |        |
| 369527     | 186    | 1      | 0.04  | 98     | 290   | 4      | 2.49  | <2     | 3      | 5      | <20    | 0.19  | <10    | <10   | 46    | <10   | 1290   | 12          | 0.013  | 0.015  | 0.014  |
| 369528     | 502    | 3      | <0.01 | 62     | 300   | <2     | 1.86  | <2     | 5      | 6      | <20    | 0.12  | <10    | <10   | 43    | <10   | 3100   | 24          |        |        |        |

| Sample | Mn   | Mo | Na   | Ni  | P   | Pb | S     | Sb | Sc | Sr  | Th  | Ti    | Tl  | U   | V   | W   | Zn   | Au (FA) | Au | Pt | Pd |
|--------|------|----|------|-----|-----|----|-------|----|----|-----|-----|-------|-----|-----|-----|-----|------|---------|----|----|----|
| 369529 | 279  | <1 | 0.03 | 49  | 100 | <2 | 0.68  | <2 | 2  | 8   | <20 | 0.07  | <10 | <10 | 23  | <10 | 38   | <5      |    |    |    |
| 369530 | 320  | <1 | 0.04 | 61  | 120 | <2 | 0.12  | <2 | 2  | 9   | <20 | 0.11  | <10 | <10 | 35  | <10 | 46   | <5      |    |    |    |
| 369531 | 218  | <1 | 0.06 | 52  | 100 | <2 | 0.06  | <2 | 2  | 12  | <20 | 0.10  | <10 | <10 | 29  | <10 | 20   | <5      |    |    |    |
| 369532 | 196  | <1 | 0.06 | 39  | 100 | <2 | 0.08  | <2 | 2  | 13  | <20 | 0.09  | <10 | <10 | 19  | <10 | 23   | <5      |    |    |    |
| 369533 | 174  | <1 | 0.06 | 12  | 160 | <2 | <0.01 | <2 | 2  | 12  | <20 | 0.12  | <10 | <10 | 18  | <10 | 9    | <5      |    |    |    |
| 369534 | 195  | <1 | 0.30 | 64  | 100 | <2 | 0.16  | <2 | 3  | 37  | <20 | 0.07  | <10 | <10 | 26  | <10 | 15   | <5      |    |    |    |
| 369535 | 195  | 1  | 0.11 | 37  | 90  | <2 | 0.12  | <2 | 2  | 18  | <20 | 0.09  | <10 | <10 | 23  | <10 | 17   | <5      |    |    |    |
| 369536 | 331  | 1  | 0.03 | 57  | 110 | <2 | 0.28  | <2 | 2  | 7   | <20 | 0.11  | <10 | <10 | 30  | <10 | 29   | <5      |    |    |    |
| 369537 | 402  | <1 | 0.12 | 74  | 110 | <2 | 0.09  | 2  | 3  | 20  | <20 | 0.16  | <10 | <10 | 44  | <10 | 30   | <5      |    |    |    |
| 369538 | 631  | <1 | 0.10 | 73  | 390 | <2 | 0.27  | <2 | 6  | 14  | <20 | 0.22  | <10 | <10 | 107 | <10 | 56   | <5      |    |    |    |
| 369539 | 477  | <1 | 0.15 | 65  | 240 | <2 | 0.16  | <2 | 6  | 9   | <20 | 0.23  | <10 | <10 | 69  | <10 | 38   | <5      |    |    |    |
| 369540 | 437  | <1 | 0.05 | 63  | 110 | <2 | 0.35  | <2 | 4  | 11  | <20 | 0.16  | <10 | <10 | 44  | <10 | 45   | <5      |    |    |    |
| 369541 | 515  | <1 | 0.11 | 87  | 830 | <2 | 0.04  | <2 | 5  | 38  | <20 | 0.15  | <10 | <10 | 78  | <10 | 36   | <5      |    |    |    |
| 369542 | 1190 | 2  | 0.04 | 149 | 130 | 5  | 0.24  | <2 | 14 | 23  | <20 | 0.01  | <10 | <10 | 97  | <10 | 92   | 31      |    |    |    |
| 369543 | 1105 | 1  | 0.06 | 135 | 130 | 2  | 0.25  | <2 | 11 | 104 | <20 | <0.01 | <10 | <10 | 65  | <10 | 81   | 20      |    |    |    |
| 369544 | 897  | 1  | 0.07 | 101 | 100 | <2 | 0.05  | <2 | 11 | 101 | <20 | <0.01 | <10 | <10 | 70  | <10 | 73   | <5      |    |    |    |
| 369545 | 1310 | 7  | 0.04 | 130 | 160 | 4  | 0.55  | <2 | 12 | 37  | <20 | <0.01 | <10 | <10 | 71  | <10 | 83   | 33      |    |    |    |
| 369546 | 1165 | <1 | 0.07 | 136 | 150 | 3  | 0.28  | <2 | 14 | 81  | <20 | <0.01 | <10 | <10 | 89  | <10 | 80   | 17      |    |    |    |
| 369547 | 1315 | 28 | 0.03 | 156 | 120 | 4  | 0.31  | <2 | 10 | 123 | <20 | <0.01 | <10 | <10 | 59  | <10 | 89   | 16      |    |    |    |
| 369548 | 1250 | 12 | 0.03 | 149 | 210 | 4  | 0.37  | <2 | 11 | 85  | <20 | <0.01 | <10 | <10 | 65  | <10 | 91   | 11      |    |    |    |
| 369549 | 1320 | 2  | 0.04 | 128 | 150 | 4  | 0.33  | 2  | 19 | 102 | <20 | 0.01  | <10 | <10 | 111 | <10 | 93   | 14      |    |    |    |
| 369550 | 1015 | <1 | 0.06 | 128 | 150 | 2  | 0.13  | <2 | 15 | 72  | <20 | 0.01  | <10 | <10 | 105 | <10 | 99   | 9       |    |    |    |
| 369551 | 250  | <1 | 0.04 | 15  | 340 | <2 | 0.21  | <2 | 2  | 19  | <20 | 0.05  | <10 | <10 | 18  | <10 | 17   | <5      |    |    |    |
| 369552 | 341  | <1 | 0.02 | 84  | 200 | <2 | 1.24  | <2 | 3  | 23  | <20 | 0.13  | <10 | <10 | 48  | <10 | 47   | 5       |    |    |    |
| 369553 | 658  | 1  | 0.01 | 269 | 360 | 5  | 2.73  | <2 | 3  | 41  | <20 | 0.12  | <10 | <10 | 42  | <10 | 26.4 | 16      |    |    |    |
| 369554 | 518  | <1 | 0.07 | 71  | 120 | 2  | 0.09  | <2 | 3  | 13  | <20 | 0.12  | <10 | <10 | 60  | <10 | 47   | 5       |    |    |    |
| 369555 | 238  | <1 | 0.08 | 44  | 120 | <2 | 0.13  | <2 | 2  | 11  | <20 | 0.11  | <10 | <10 | 30  | <10 | 32   | 5       |    |    |    |
| 369556 | 500  | 1  | 0.04 | 87  | 120 | 2  | 0.29  | <2 | 2  | 8   | <20 | 0.13  | <10 | <10 | 43  | <10 | 60   | 5       |    |    |    |
| 369557 | 284  | 2  | 0.10 | 57  | 60  | <2 | 0.57  | <2 | 3  | 9   | <20 | 0.13  | <10 | <10 | 40  | <10 | 28   | 5       |    |    |    |
| 369558 | 135  | 1  | 0.01 | 26  | 100 | <2 | <0.01 | <2 | 1  | 3   | <20 | 0.03  | <10 | <10 | 9   | <10 | 9    | 5       |    |    |    |

| Sample | Mn   | Mo | Na   | Ni  | P   | Pb | S     | Sb | Sc | Sr  | Th  | Ti    | Tl  | U   | V   | W   | Zn | Au (FA) | Au     | Pt     | Pd     |
|--------|------|----|------|-----|-----|----|-------|----|----|-----|-----|-------|-----|-----|-----|-----|----|---------|--------|--------|--------|
| 369559 | 1425 | <1 | 0.02 | 198 | 340 | 3  | <0.01 | <2 | 22 | 273 | <20 | 0.03  | <10 | <10 | 133 | <10 | 57 | <5      |        |        |        |
| 369560 | 497  | <1 | 0.11 | 56  | 230 | 2  | 0.02  | 2  | 4  | 14  | <20 | 0.24  | <10 | <10 | 61  | <10 | 43 | <5      |        |        |        |
| 369561 | 298  | 1  | 0.03 | 63  | 210 | 2  | 0.08  | 3  | 3  | 40  | <20 | 0.22  | <10 | <10 | 41  | <10 | 14 | <5      |        |        |        |
| 369562 | 386  | <1 | 0.26 | 36  | 200 | 2  | 0.07  | <2 | 6  | 22  | <20 | 0.17  | <10 | <10 | 53  | <10 | 25 | 6       |        |        |        |
| 369563 | 675  | <1 | 0.11 | 42  | 350 | 4  | 0.12  | <2 | 8  | 14  | <20 | 0.28  | <10 | <10 | 112 | <10 | 66 | <5      |        |        |        |
| 369564 | 860  | 8  | 0.03 | 92  | 50  | 5  | 0.27  | 2  | 8  | 18  | <20 | 0.01  | <10 | <10 | 42  | <10 | 49 | 42      |        |        |        |
| 369565 | 1340 | 33 | 0.03 | 120 | 60  | 6  | 0.91  | <2 | 15 | 102 | <20 | 0.01  | <10 | <10 | 86  | <10 | 80 |         |        |        |        |
| 369566 | 959  | 6  | 0.05 | 70  | 30  | 5  | 0.27  | <2 | 6  | 105 | <20 | <0.01 | <10 | <10 | 17  | <10 | 57 | 57      |        |        |        |
| 369567 | 1395 | 3  | 0.05 | 113 | 130 | 6  | 0.84  | <2 | 12 | 135 | <20 | <0.01 | <10 | <10 | 66  | <10 | 84 | 29      |        |        |        |
| 369568 | 1310 | 1  | 0.05 | 128 | 90  | 6  | 0.75  | <2 | 8  | 157 | <20 | <0.01 | <10 | <10 | 40  | <10 | 73 | 31      |        |        |        |
| 369569 | 230  | <1 | 0.02 | 8   | 60  | 2  | 0.04  | <2 | 1  | 25  | <20 | 0.02  | <10 | <10 | 30  | <10 | 13 | <5      |        |        |        |
| 369570 | 389  | <1 | 0.14 | 57  | 190 | 2  | 0.10  | <2 | 4  | 9   | <20 | 0.18  | <10 | <10 | 53  | <10 | 32 | <5      |        |        |        |
| 369571 | 507  | <1 | 0.15 | 81  | 250 | <2 | 0.27  | <2 | 6  | 17  | <20 | 0.21  | <10 | <10 | 72  | <10 | 41 | <5      |        |        |        |
| 369572 | 378  | <1 | 0.19 | 68  | 270 | 2  | 0.06  | <2 | 4  | 16  | <20 | 0.14  | <10 | <10 | 71  | <10 | 32 | <5      |        |        |        |
| 369573 | 340  | <1 | 0.23 | 67  | 280 | 3  | 0.24  | <2 | 7  | 20  | <20 | 0.16  | <10 | <10 | 60  | <10 | 28 | 9       | <0.001 | <0.005 | <0.001 |
| 369574 | 245  | <1 | 0.05 | 71  | 210 | 2  | 0.18  | <2 | 3  | 16  | <20 | 0.22  | <10 | <10 | 39  | <10 | 19 | <5      |        |        |        |
| 369575 | 363  | <1 | 0.15 | 53  | 240 | 2  | 0.08  | <2 | 5  | 20  | <20 | 0.18  | <10 | <10 | 55  | <10 | 28 | <5      |        |        |        |
| 369576 | 292  | <1 | 0.13 | 59  | 270 | 2  | 0.16  | <2 | 5  | 9   | <20 | 0.15  | <10 | <10 | 47  | <10 | 26 | <5      |        |        |        |
| 369577 | 667  | <1 | 0.04 | 95  | 280 | 2  | 1.31  | <2 | 4  | 22  | <20 | 0.27  | <10 | <10 | 76  | <10 | 55 | 8       |        |        |        |

| Sample | Mn  | Mo | Na    | Ni  | P    | Pb | S    | Sb | Sc | Sr | Th  | Ti    | Tl  | U   | V   | W   | Zn    | Au (FA) | Au     | Pt     | Pd    |
|--------|-----|----|-------|-----|------|----|------|----|----|----|-----|-------|-----|-----|-----|-----|-------|---------|--------|--------|-------|
| 369578 | 363 | <1 | 0.09  | 103 | 240  | 4  | 1.37 | <2 | 5  | 8  | <20 | 0.20  | <10 | <10 | 53  | <10 | 41    | <5      |        |        |       |
| 369579 | 92  | <1 | <0.01 | 6   | 30   | 2  | 0.02 | <2 | 1  | 1  | <20 | 0.02  | <10 | <10 | 7   | <10 | 11    | <5      |        |        |       |
| 369580 | 290 | 2  | 0.05  | 168 | 340  | 5  | 3.55 | <2 | 5  | 4  | <20 | 0.19  | <10 | <10 | 61  | <10 | 352a  | 17      |        |        |       |
| 369581 | 653 | 2  | 0.03  | 283 | 270  | 7  | 8.46 | 7  | 5  | 3  | <20 | 0.10  | <10 | <10 | 46  | 10  | 13200 | 14      |        |        |       |
| 369582 | 664 | <1 | 0.06  | 64  | 330  | 3  | 0.79 | <2 | 7  | 9  | <20 | 0.24  | <10 | <10 | 95  | <10 | 311   | <5      |        |        |       |
| 369583 | 419 | <1 | 0.08  | 44  | 310  | <2 | 0.13 | <2 | 4  | 7  | <20 | 0.24  | <10 | <10 | 58  | <10 | 68    | <5      |        |        |       |
| 369584 | 543 | <1 | 0.07  | 39  | 230  | 7  | 0.71 | <2 | 3  | 18 | <20 | 0.01  | <10 | <10 | 5   | <10 | 56    | 2130    |        |        |       |
| 369585 | 885 | <1 | 0.03  | 83  | 340  | 3  | 1.00 | <2 | 5  | 29 | <20 | 0.13  | <10 | <10 | 73  | <10 | 205   | 500     |        |        |       |
| 369586 | 578 | <1 | 0.15  | 9   | 900  | <2 | 0.20 | <2 | 10 | 9  | <20 | 0.32  | <10 | <10 | 92  | <10 | 57    | 32      |        |        |       |
| 369587 | 317 | 1  | 0.06  | 11  | 60   | 3  | 1.27 | <2 | 2  | 10 | <20 | <0.01 | <10 | <10 | 3   | <10 | 27    | 25      |        |        |       |
| 369588 | 289 | <1 | 0.07  | 9   | 380  | 2  | 0.02 | <2 | 1  | 57 | <20 | 0.03  | <10 | <10 | 9   | <10 | 47    | <5      |        |        |       |
| 369589 | 425 | <1 | 0.07  | 44  | 320  | <2 | 0.09 | <2 | 4  | 15 | <20 | 0.17  | <10 | <10 | 44  | <10 | 34    | <5      |        |        |       |
| 369590 | 225 | <1 | 0.08  | 8   | 350  | 2  | 0.05 | <2 | 1  | 83 | <20 | 0.07  | <10 | <10 | 18  | <10 | 47    | <5      |        |        |       |
| 369591 | 374 | <1 | 0.09  | 1   | 830  | 3  | 0.96 | <2 | 10 | 10 | <20 | 0.28  | <10 | <10 | 85  | <10 | 27    | <5      | <0.001 | <0.005 | 0.001 |
| 369592 | 358 | <1 | 0.37  | 26  | 440  | <2 | 0.13 | <2 | 3  | 50 | <20 | 0.27  | <10 | <10 | 186 | <10 | 69    | <5      | <0.001 | <0.005 | 0.001 |
| 369593 | 586 | <1 | 0.16  | 12  | 1170 | <2 | 0.08 | <2 | 10 | 11 | <20 | 0.23  | <10 | <10 | 114 | <10 | 56    | <5      |        |        |       |
| 369594 | 224 | <1 | 0.09  | 8   | 420  | 3  | 0.01 | <2 | 1  | 92 | <20 | 0.08  | <10 | <10 | 23  | <10 | 46    | <5      |        |        |       |
| 369595 | 717 | <1 | 0.08  | 14  | 1370 | 2  | 0.12 | <2 | 6  | 23 | <20 | 0.22  | <10 | <10 | 68  | <10 | 77    | <5      |        |        |       |
| 369596 | 573 | <1 | 0.18  | 22  | 660  | 3  | 0.05 | <2 | 10 | 18 | <20 | 0.33  | <10 | <10 | 117 | <10 | 36    | <5      | 0.001  | <0.005 | 0.001 |

| Sample | Mn   | Mo | Na    | Ni  | P   | Pb | S    | Sb | Sc | Sr | Th  | Ti    | Tl  | U   | V   | W   | Zn  | Au (FA) | Au     | Pt     | Pd    |
|--------|------|----|-------|-----|-----|----|------|----|----|----|-----|-------|-----|-----|-----|-----|-----|---------|--------|--------|-------|
| 369597 | 778  | <1 | 0.05  | 101 | 750 | <2 | 0.31 | <2 | 4  | 25 | <20 | 0.22  | <10 | <10 | 99  | <10 | 82  | <5      |        |        |       |
| 369598 | 1570 | <1 | 0.04  | 24  | 730 | <2 | 0.11 | <2 | 31 | 75 | <20 | 0.35  | <10 | <10 | 334 | <10 | 142 | <5      | <0.001 | <0.005 | 0.001 |
| 369599 | 753  | 1  | 0.07  | 12  | 500 | <2 | 0.09 | <2 | 5  | 14 | <20 | 0.34  | <10 | <10 | 148 | <10 | 44  | <5      |        |        |       |
| 369600 | 628  | <1 | 0.14  | 11  | 800 | <2 | 0.12 | 2  | 7  | 15 | <20 | 0.31  | <10 | <10 | 129 | <10 | 99  | <5      |        |        |       |
| 369601 | 285  | <1 | 0.17  | 50  | 110 | <2 | 0.06 | <2 | 2  | 24 | <20 | 0.09  | <10 | <10 | 33  | <10 | 25  | <5      |        |        |       |
| 369602 | 166  | <1 | 0.04  | 50  | 410 | <2 | 0.59 | <2 | 2  | 21 | <20 | 0.07  | <10 | <10 | 24  | <10 | 19  | <5      |        |        |       |
| 369603 | 233  | <1 | 0.03  | 38  | 100 | <2 | 0.29 | <2 | 3  | 9  | <20 | 0.14  | <10 | <10 | 28  | <10 | 18  | <5      |        |        |       |
| 369604 | 244  | <1 | 0.03  | 48  | 90  | <2 | 0.34 | <2 | 2  | 8  | <20 | 0.13  | <10 | <10 | 31  | <10 | 27  | <5      |        |        |       |
| 369605 | 326  | <1 | 0.04  | 56  | 110 | <2 | 0.15 | <2 | 2  | 11 | <20 | 0.11  | <10 | <10 | 42  | <10 | 29  | <5      |        |        |       |
| 369606 | 92   | <1 | 0.01  | 9   | 10  | <2 | 0.23 | <2 | <1 | 3  | <20 | <0.01 | <10 | <10 | 8   | <10 | 3   | <5      |        |        |       |
| 369607 | 405  | <1 | 0.04  | 49  | 350 | <2 | 0.32 | <2 | 3  | 6  | <20 | 0.12  | <10 | <10 | 69  | <10 | 34  | <5      |        |        |       |
| 369608 | 331  | <1 | 0.08  | 67  | 120 | 11 | 0.05 | <2 | 4  | 16 | <20 | 0.15  | <10 | <10 | 46  | <10 | 46  | 12      |        |        |       |
| 369609 | 463  | <1 | 0.03  | 76  | 110 | 2  | 0.05 | <2 | 3  | 14 | <20 | 0.16  | <10 | <10 | 49  | <10 | 39  | <5      |        |        |       |
| 369610 | 470  | <1 | 0.01  | 60  | 200 | 3  | 0.03 | 2  | 3  | 11 | <20 | 0.16  | <10 | <10 | 58  | <10 | 37  | <5      | 0.001  | 0.016  | 0.013 |
| 369611 | 899  |    | 0.01  | 66  | 120 | 3  | 0.49 | <2 | 7  | 47 | <20 | 0.01  | <10 | <10 | 47  | <10 | 33  | 7       |        |        |       |
| 369612 | 1385 | 3  | 0.02  | 100 | 180 | <2 | 0.23 | <2 | 12 | 74 | <20 | <0.01 | <10 | <10 | 63  | <10 | 73  | 14      |        |        |       |
| 369613 | 1460 | 4  | 0.01  | 107 | 180 | 5  | 0.23 | 2  | 12 | 79 | <20 | <0.01 | <10 | <10 | 67  | <10 | 77  | 200     |        |        |       |
| 369614 | 382  | 3  | <0.01 | 67  | 130 | 2  | 1.26 | 2  | 4  | 22 | <20 | 0.18  | <10 | <10 | 47  | <10 | 44  | <5      | 0.002  | 0.020  | 0.023 |
| 369615 | 1160 | 1  | <0.01 | 114 | 140 | 3  | 0.54 | <2 | 7  | 19 | <20 | 0.01  | <10 | <10 | 56  | <10 | 49  | <5      | 0.028  | 0.011  | 0.014 |



| Sample | Mn  | Mo | Na    | Ni  | P    | Pb | S     | Sb | Sc | Sr | Th  | Ti    | Tl  | U   | V   | W   | Zn | Au (FA) | Au     | Pt     | Pd     |
|--------|-----|----|-------|-----|------|----|-------|----|----|----|-----|-------|-----|-----|-----|-----|----|---------|--------|--------|--------|
| 369616 | 522 | <1 | 0.08  | 64  | 220  | 2  | 0.10  | 2  | 4  | 10 | <20 | 0.22  | <10 | <10 | 62  | <10 | 50 | <5      | 0.004  | 0.008  | <0.001 |
| 369617 | 947 | <1 | 0.04  | 75  | 260  | <2 | 0.03  | 2  | 3  | 8  | <20 | 0.26  | <10 | <10 | 88  | <10 | 84 | <5      | 0.001  | <0.005 | <0.001 |
| 369618 | 743 | <1 | 0.03  | 58  | 260  | 2  | 0.09  | <2 | 4  | 10 | <20 | 0.21  | <10 | <10 | 73  | <10 | 62 | <5      |        |        |        |
| 369619 | 728 | <1 | 0.09  | 74  | 260  | 6  | 0.05  | <2 | 5  | 15 | <20 | 0.23  | <10 | <10 | 89  | <10 | 68 | <5      | 0.001  | <0.005 | <0.001 |
| 369620 | 416 | <1 | 0.20  | 42  | 260  | 3  | 0.01  | 2  | 6  | 24 | <20 | 0.17  | <10 | <10 | 57  | <10 | 33 | <5      | <0.001 | <0.005 | 0.001  |
| 369621 | 456 | <1 | 0.15  | 46  | 280  | 2  | 0.07  | <2 | 5  | 18 | <20 | 0.19  | <10 | <10 | 54  | <10 | 34 | <5      | 0.002  | <0.005 | <0.001 |
| 369622 | 284 | <1 | 0.18  | 54  | 290  | 2  | 0.12  | 2  | 5  | 14 | <20 | 0.14  | <10 | <10 | 47  | <10 | 25 | <5      | 0.001  | <0.005 | <0.001 |
| 369623 | 49  | 1  | <0.01 | 1   | 10   | <2 | <0.01 | <2 | <1 | 1  | <20 | <0.01 | <10 | <10 | 1   | <10 | <2 | <5      |        |        |        |
| 369624 | 332 | <1 | 0.21  | 35  | 310  | 2  | 0.08  | <2 | 3  | 40 | <20 | 0.20  | <10 | <10 | 152 | <10 | 58 | 5       |        |        |        |
| 369625 | 386 | <1 | 0.04  | 19  | 510  | 2  | 0.15  | <2 | 8  | 12 | <20 | 0.37  | <10 | <10 | 268 | <10 | 64 | <5      | 0.001  | <0.005 | <0.001 |
| 369626 | 456 | 2  | 0.07  | 82  | 280  | 7  | 0.60  | <2 | 5  | 12 | <20 | 0.22  | <10 | <10 | 62  | <10 | 40 | <5      | 0.001  | <0.005 | 0.001  |
| 369627 | 510 | <1 | 0.01  | 106 | 300  | 2  | 1.21  | <2 | 4  | 11 | <20 | 0.19  | <10 | <10 | 61  | <10 | 40 | <5      | <0.001 | <0.005 | <0.001 |
| 369628 | 661 | <1 | 0.09  | 2   | 510  | <2 | 0.23  | <2 | 9  | 10 | <20 | 0.29  | <10 | <10 | 235 | <10 | 58 | <5      | <0.001 | <0.005 | <0.001 |
| 369629 | 431 | <1 | 0.04  | 45  | 280  | 2  | 0.12  | <2 | 4  | 14 | <20 | 0.26  | <10 | <10 | 70  | <10 | 38 | <5      | 0.001  | 0.006  | 0.005  |
| 369630 | 444 | <1 | 0.16  | 14  | 580  | <2 | 0.06  | <2 | 4  | 25 | <20 | 0.33  | <10 | <10 | 232 | <10 | 74 | <5      | <0.001 | <0.005 | <0.001 |
| 369631 | 828 | <1 | 0.01  | 99  | 120  | <2 | 0.08  | <2 | 7  | 25 | <20 | 0.12  | <10 | <10 | 104 | <10 | 46 | <5      |        |        |        |
| 369632 | 305 | <1 | 0.04  | 65  | 240  | 2  | 0.09  | 2  | 4  | 15 | <20 | 0.13  | <10 | <10 | 30  | <10 | 16 | <5      | <0.001 | 0.007  | 0.010  |
| 369633 | 619 | 1  | 0.05  | 18  | 410  | 4  | 0.27  | <2 | 2  | 92 | <20 | <0.01 | <10 | <10 | 4   | <10 | 33 | 71      |        |        |        |
| 369634 | 366 | <1 | 0.07  | 73  | 390  | 6  | 0.23  | <2 | 5  | 13 | <20 | 0.24  | <10 | <10 | 53  | <10 | 72 | <5      |        |        |        |
| 369635 | 470 | <1 | 0.02  | 321 | 390  | 2  | 0.01  | 2  | 1  | 4  | <20 | 0.31  | <10 | <10 | 94  | <10 | 41 | <5      |        |        |        |
| 369636 | 660 | 1  | 0.14  | 4   | 2120 | 2  | 0.06  | 2  | 8  | 18 | <20 | 0.18  | <10 | <10 | 44  | <10 | 56 | <5      |        |        |        |
| 369637 | 94  | 1  | 0.10  | 1   | 50   | 16 | 0.02  | <2 | <1 | 2  | <20 | 0.01  | <10 | <10 | 1   | <10 | 24 | <5      |        |        |        |
| 369638 | 501 | <1 | 0.01  | 807 | 490  | <2 | 0.11  | 3  | 2  | 5  | <20 | 0.30  | <10 | <10 | 150 | <10 | 59 | 10      | 0.006  | 0.007  | 0.006  |
| 369639 | 395 | <1 | 0.01  | 559 | 420  | 2  | 0.02  | 2  | 1  | 4  | <20 | 0.09  | <10 | <10 | 133 | <10 | 49 | <5      | 0.003  | 0.006  | 0.003  |

| Sample | Mn   | Mo | Na   | Ni  | P   | Pb  | S     | Sb | Sc | Sr | Th  | Ti    | Tl  | U   | V   | W   | Zn  | Au (FA) | Au    | Pt     | Pd    |
|--------|------|----|------|-----|-----|-----|-------|----|----|----|-----|-------|-----|-----|-----|-----|-----|---------|-------|--------|-------|
| 369640 | 380  | 2  | 0.01 | 386 | 360 | 2   | 0.04  | 2  | 2  | 3  | <20 | 0.10  | <10 | <10 | 121 | <10 | 40  | <5      | 0.001 | <0.005 | 0.005 |
| 369641 | 354  | <1 | 0.01 | 409 | 370 | 2   | 0.02  | 3  | 1  | 2  | <20 | 0.21  | <10 | <10 | 115 | <10 | 43  | <5      | 0.001 | <0.005 | 0.005 |
| 369642 | 245  | 1  | 0.09 | 76  | 630 | 3   | <0.01 | <2 | 1  | 4  | <20 | 0.22  | <10 | <10 | 42  | <10 | 23  | <5      | 0.001 | 0.005  | 0.002 |
| 369643 | 778  | <1 | 0.06 | 76  | 170 | 2   | 0.40  | 2  | 5  | 8  | <20 | 0.16  | <10 | <10 | 61  | <10 | 222 | 31      |       |        |       |
| 369644 | 57   | 1  | 0.04 | <1  | 40  | 7   | <0.01 | <2 | <1 | 2  | <20 | <0.01 | <10 | <10 | 2   | <10 | 28  | <5      |       |        |       |
| 369645 | 310  | <1 | 0.05 | 11  | 290 | 4   | 0.47  | <2 | 5  | 5  | <20 | 0.18  | <10 | <10 | 71  | <10 | 221 | <5      |       |        |       |
| 369646 | 1965 | <1 | 0.02 | 147 | 280 | 9   | 1.68  | <2 | 12 | 96 | <20 | 0.01  | <10 | <10 | 31  | <10 | 154 | 3012    |       |        |       |
| 369647 | 423  | 5  | 0.09 | 11  | 440 | 7   | 0.75  | <2 | 2  | 95 | <20 | 0.02  | <10 | <10 | 14  | <10 | 35  | 33      |       |        |       |
| 369648 | 74   | 1  | 0.05 | 2   | 120 | 168 | 0.10  | <2 | <1 | 40 | <20 | <0.01 | <10 | <10 | 2   | <10 | 5   | 75      |       |        |       |
| 369649 | 494  | <1 | 0.05 | 23  | 310 | 3   | 0.01  | 2  | 5  | 23 | <20 | 0.24  | <10 | <10 | 66  | <10 | 51  | 5       | 0.001 | 0.009  | 0.004 |
| 369650 | 366  | <1 | 0.06 | 26  | 220 | 3   | 0.02  | <2 | 4  | 17 | <20 | 0.14  | <10 | <10 | 55  | <10 | 28  | <5      | 0.002 | 0.005  | 0.010 |
| 369651 | 1090 | 1  | 0.03 | 99  | 150 | 16  | 0.53  | <2 | 8  | 65 | <20 | <0.01 | <10 | <10 | 49  | <10 | 91  | <5      |       |        |       |
| 369652 | 1015 | 3  | 0.06 | 103 | 160 | 13  | 0.37  | 3  | 9  | 45 | <20 | 0.01  | <10 | <10 | 72  | <10 | 92  | 10      |       |        |       |
| 369653 | 382  | <1 | 0.04 | 58  | 220 | 10  | 0.07  | <2 | 3  | 13 | <20 | 0.19  | <10 | <10 | 48  | <10 | 61  | <5      |       |        |       |
| 369654 | 319  | <1 | 0.10 | 44  | 190 | <2  | 0.08  | <2 | 3  | 5  | <20 | 0.13  | <10 | <10 | 38  | <10 | 34  | <5      |       |        |       |
| 369655 | 349  | <1 | 0.02 | 70  | 130 | 2   | 0.06  | <2 | 2  | 13 | <20 | 0.12  | <10 | <10 | 38  | <10 | 35  | <5      |       |        |       |
| 369656 | 279  | <1 | 0.01 | 69  | 140 | <2  | 0.06  | 2  | 3  | 12 | <20 | 0.13  | <10 | <10 | 34  | <10 | 18  | 5       |       |        |       |
| 369657 | 555  | <1 | 0.12 | 65  | 280 | <2  | 0.07  | <2 | 5  | 6  | <20 | 0.16  | <10 | <10 | 71  | <10 | 55  | <5      |       |        |       |
| 369658 | 251  | <1 | 0.01 | 62  | 180 | <2  | 0.22  | <2 | 3  | 42 | <20 | 0.19  | <10 | <10 | 34  | <10 | 17  | <5      |       |        |       |
| 369659 | 338  | <1 | 0.13 | 29  | 270 | 2   | 0.02  | <2 | 6  | 18 | <20 | 0.20  | <10 | <10 | 50  | <10 | 26  | <5      |       |        |       |
| 369660 | 232  | <1 | 0.01 | 19  | 110 | 2   | 0.05  | <2 | 4  | 18 | <20 | 0.07  | <10 | <10 | 32  | <10 | 21  | <5      |       |        |       |
| 369661 | 467  | <1 | 0.16 | 68  | 290 | <2  | 0.14  | <2 | 7  | 12 | <20 | 0.21  | <10 | <10 | 73  | <10 | 35  | <5      |       |        |       |
| 369662 | 259  | <1 | 0.06 | 12  | 380 | 6   | 0.04  | <2 | 1  | 37 | <20 | 0.06  | <10 | <10 | 15  | <10 | 52  | 10      |       |        |       |
| 369663 | 873  | <1 | 0.06 | 100 | 210 | <2  | 0.14  | <2 | 5  | 9  | <20 | 0.29  | <10 | <10 | 132 | <10 | 82  | <5      |       |        |       |
| 369664 | 395  | <1 | 0.06 | 66  | 270 | <2  | 0.19  | <2 | 5  | 10 | <20 | 0.21  | <10 | <10 | 55  | <10 | 40  | <5      |       |        |       |

| Sample | Mn   | Mo | Na    | Ni  | P    | Pb  | S    | Sb | Sc | Sr | Th  | Ti    | Tl  | U   | V   | W   | Zn  | Au (FA) | Au     | Pt     | Pd     |
|--------|------|----|-------|-----|------|-----|------|----|----|----|-----|-------|-----|-----|-----|-----|-----|---------|--------|--------|--------|
| 369665 | 574  | <1 | 0.11  | 78  | 290  | <2  | 0.12 | <2 | 5  | 13 | <20 | 0.26  | <10 | <10 | 71  | <10 | 55  | <5      |        |        |        |
| 369666 | 423  | <1 | 0.05  | 58  | 330  | 2   | 0.74 | <2 | 4  | 16 | <20 | 0.32  | <10 | <10 | 84  | <10 | 41  | <5      |        |        |        |
| 369667 | 415  | <1 | 0.05  | 203 | 160  | <2  | 0.02 | <2 | 2  | 9  | <20 | 0.10  | <10 | <10 | 34  | <10 | 41  | <5      |        |        |        |
| 369668 | 765  | <1 | 0.09  | 3   | 840  | <2  | 0.10 | <2 | 7  | 21 | <20 | 0.22  | <10 | <10 | 74  | <10 | 67  | <5      | <0.001 | <0.005 | <0.001 |
| 369669 | 610  | <1 | 0.07  | 11  | 540  | <2  | 0.13 | <2 | 5  | 18 | <20 | 0.35  | <10 | <10 | 129 | <10 | 60  | <5      | <0.001 | <0.005 | <0.001 |
| 369670 | 704  | <1 | 0.06  | 22  | 360  | <2  | 1.47 | <2 | 3  | 7  | <20 | 0.31  | <10 | <10 | 224 | <10 | 65  | 13      | 0.016  | <0.005 | <0.001 |
| 369671 | 1110 | <1 | 0.17  | 67  | 210  | 2   | 0.79 | <2 | 11 | 14 | <20 | 0.18  | <10 | <10 | 83  | <10 | 59  | 26      | 0.024  | 0.014  | 0.011  |
| 369672 | 444  | <1 | 0.10  | 16  | 1000 | <2  | 0.18 | <2 | 4  | 16 | <20 | 0.32  | <10 | <10 | 203 | <10 | 64  | <5      |        |        |        |
| 369673 | 591  | <1 | 0.06  | 22  | 770  | <2  | 0.85 | <2 | 5  | 15 | <20 | 0.38  | <10 | <10 | 145 | <10 | 44  | <5      |        |        |        |
| 369674 | 660  | <1 | 0.14  | <1  | 1020 | <2  | 0.10 | 2  | 8  | 10 | <20 | 0.18  | <10 | <10 | 20  | <10 | 53  | <5      |        |        |        |
| 369675 | 1235 | <1 | 0.04  | 97  | 190  | <2  | 0.22 | <2 | 4  | 5  | <20 | 0.20  | <10 | <10 | 104 | <10 | 146 | 6       |        |        |        |
| 369676 | 887  | <1 | 0.09  | <1  | 830  | <2  | 0.13 | <2 | 8  | 18 | <20 | 0.24  | <10 | <10 | 99  | <10 | 69  | <5      |        |        |        |
| 369677 | 423  | <1 | <0.01 | 20  | 210  | <2  | 0.05 | <2 | 2  | 4  | <20 | 0.18  | <10 | <10 | 56  | <10 | 72  | <5      | <0.001 | <0.005 | 0.002  |
| 369678 | 483  | <1 | 0.08  | 18  | 310  | 3   | 0.39 | <2 | 2  | 48 | <20 | 0.01  | <10 | <10 | 4   | <10 | 26  | 1225    |        |        |        |
| 369679 | 43   | <1 | 0.05  | 11  | 60   | 117 | 1.49 | <2 | <1 | 9  | <20 | <0.01 | <10 | <10 | 3   | <10 | 47  | 10200   |        |        |        |
| 369680 | 362  | <1 | 0.07  | 11  | 430  | 2   | 0.65 | <2 | 1  | 79 | <20 | <0.01 | <10 | <10 | 6   | <10 | 22  | 91      |        |        |        |
| 369681 | 229  | <1 | 0.03  | 58  | 310  | 3   | 0.13 | 2  | 4  | 18 | <20 | 0.27  | <10 | <10 | 46  | <10 | 20  | 49      |        |        |        |
| 369682 | 515  | <1 | 0.13  | 8   | 590  | <2  | 0.12 | <2 | 8  | 11 | <20 | 0.23  | <10 | <10 | 131 | <10 | 46  | <5      | 0.002  | <0.005 | 0.001  |
| 369683 | 1115 | <1 | 0.03  | 17  | 1130 | <2  | 0.02 | <2 | 31 | 93 | <20 | 0.05  | <10 | <10 | 274 | <10 | 107 | 6       | 0.004  | <0.005 | <0.001 |
| 369684 | 573  | <1 | 0.14  | <1  | 1400 | <2  | 0.12 | <2 | 9  | 13 | <20 | 0.20  | <10 | <10 | 53  | <10 | 55  | <5      | <0.001 | <0.005 | 0.001  |
| 369685 | 480  | 3  | 0.16  | <1  | 1380 | 2   | 0.13 | <2 | 9  | 11 | <20 | 0.18  | <10 | <10 | 51  | <10 | 45  | <5      | 0.001  | <0.005 | <0.001 |
| 369686 | 165  | 1  | 0.09  | 4   | 180  | 11  | 0.44 | <2 | 1  | 11 | <20 | <0.01 | <10 | <10 | 2   | <10 | 13  | 19      |        |        |        |
| 369687 | 304  | 1  | 0.06  | 5   | 430  | 5   | 0.89 | <2 | 1  | 77 | <20 | 0.01  | <10 | <10 | 4   | <10 | 18  | 21      | 0.016  | <0.005 | <0.001 |
| 369688 | 795  | <1 | 0.01  | 111 | 300  | <2  | 0.12 | <2 | 4  | 29 | <20 | 0.13  | <10 | <10 | 58  | <10 | 66  | <5      | 0.001  | 0.007  | 0.002  |
| 369689 | 693  | <1 | 0.08  | <1  | 920  | <2  | 0.23 | 2  | 9  | 16 | <20 | 0.28  | <10 | <10 | 115 | <10 | 69  | <5      | <0.001 | <0.005 | <0.001 |
| 369690 | 415  | <1 | 0.04  | 2   | 720  | 3   | 0.17 | <2 | 3  | 92 | <20 | 0.11  | <10 | <10 | 21  | <10 | 40  | 9       | 0.011  | <0.005 | <0.001 |

| Sample | Mn   | Mo | Na   | Ni | P    | Pb  | S    | Sb | Sc | Sr  | Th  | Ti    | Tl  | U   | V   | W   | Zn  | Au (FA) | Au     | Pt     | Pd     |
|--------|------|----|------|----|------|-----|------|----|----|-----|-----|-------|-----|-----|-----|-----|-----|---------|--------|--------|--------|
| 369691 | 430  | <1 | 0.04 | 1  | 760  | 3   | 0.16 | <2 | 3  | 88  | <20 | 0.12  | <10 | <10 | 23  | <10 | 43  | 26      |        |        |        |
| 369692 | 1125 | <1 | 0.01 | 47 | 770  | <2  | 0.36 | <2 | 16 | 28  | <20 | 0.25  | <10 | <10 | 195 | <10 | 84  | <5      | 0.001  | 0.008  | 0.003  |
| 369693 | 78   | <1 | 0.04 | 2  | 120  | 105 | 0.11 | <2 | 1  | 9   | <20 | 0.01  | <10 | <10 | 4   | <10 | 11  | 246     |        |        |        |
| 369694 | 160  | <1 | 0.03 | 3  | 170  | 27  | 0.22 | <2 | 1  | 31  | <20 | 0.03  | <10 | <10 | 5   | <10 | 24  | 26      |        |        |        |
| 369695 | 290  | 2  | 0.06 | 4  | 340  | 4   | 0.55 | <2 | 1  | 64  | <20 | <0.01 | <10 | <10 | 3   | <10 | 15  | 17      |        |        |        |
| 369696 | 330  | <1 | 0.06 | 5  | 590  | 30  | 0.53 | <2 | 2  | 15  | <20 | <0.01 | <10 | <10 | 2   | <10 | 12  | 705     |        |        |        |
| 369697 | 486  | 25 | 0.11 | 6  | 820  | 2   | 0.10 | <2 | 6  | 8   | <20 | 0.15  | <10 | <10 | 87  | <10 | 74  | 8       | 0.006  | 0.005  | <0.001 |
| 369698 | 1340 | <1 | 0.02 | <1 | 790  | <2  | 0.24 | <2 | 11 | 33  | <20 | 0.19  | <10 | <10 | 105 | <10 | 94  | 10      | 0.011  | <0.005 | 0.001  |
| 369699 | 783  | <1 | 0.02 | 34 | 420  | <2  | 0.12 | <2 | 3  | 27  | <20 | 0.33  | <10 | <10 | 87  | <10 | 76  | 6       | 0.003  | 0.010  | 0.009  |
| 369700 | 666  | <1 | 0.03 | 10 | 480  | <2  | 0.17 | 2  | 3  | 9   | <20 | 0.25  | <10 | <10 | 128 | <10 | 34  | <5      | <0.001 | <0.005 | 0.001  |
| 369701 | 233  | <1 | 0.03 | 5  | 270  | 3   | 0.26 | <2 | <1 | 44  | <20 | <0.01 | <10 | <10 | 4   | <10 | 14  | 10      |        |        |        |
| 369702 | 1315 | <1 | 0.01 | 65 | 310  | <2  | 0.02 | <2 | 31 | 87  | <20 | 0.23  | <10 | <10 | 246 | <10 | 141 | 8       | 0.002  | 0.015  | 0.010  |
| 369703 | 1625 | <1 | 0.03 | 29 | 480  | <2  | 0.28 | <2 | 9  | 36  | <20 | 0.27  | <10 | <10 | 189 | <10 | 150 | <5      | 0.003  | <0.005 | <0.001 |
| 369704 | 780  | 4  | 0.03 | 5  | 480  | <2  | 0.17 | <2 | 5  | 27  | <20 | 0.25  | <10 | <10 | 245 | <10 | 57  | <5      | 0.001  | <0.005 | <0.001 |
| 369705 | 528  | 1  | 0.06 | 2  | 450  | <2  | 0.13 | <2 | 4  | 5   | <20 | 0.20  | <10 | <10 | 163 | <10 | 39  | <5      | 0.006  | <0.005 | <0.001 |
| 369706 | 1150 | <1 | 0.03 | 29 | 530  | <2  | 0.05 | <2 | 5  | 20  | <20 | 0.34  | <10 | <10 | 200 | <10 | 95  | 5       | 0.002  | <0.005 | 0.001  |
| 369707 | 1040 | <1 | 0.02 | 65 | 310  | <2  | 0.20 | <2 | 3  | 20  | <20 | 0.28  | <10 | <10 | 91  | <10 | 79  | 6       | 0.003  | 0.015  | 0.013  |
| 369708 | 1250 | <1 | 0.02 | 27 | 630  | <2  | 0.13 | <2 | 16 | 85  | <20 | 0.08  | <10 | <10 | 235 | <10 | 118 | <5      | 0.001  | <0.005 | 0.002  |
| 369709 | 1655 | <1 | 0.02 | 21 | 770  | <2  | 0.15 | <2 | 18 | 102 | <20 | 0.08  | <10 | <10 | 231 | <10 | 114 | <5      | <0.001 | <0.005 | 0.002  |
| 369710 | 1240 | <1 | 0.02 | 71 | 620  | <2  | 0.55 | <2 | 6  | 61  | <20 | 0.27  | <10 | <10 | 161 | <10 | 116 | <5      | <0.001 | <0.005 | <0.001 |
| 369711 | 411  | <1 | 0.03 | 63 | 1440 | 9   | 0.05 | <2 | 2  | 231 | <20 | 0.10  | <10 | <10 | 28  | <10 | 50  | <5      |        |        |        |
| 369712 | 1050 | <1 | 0.02 | 51 | 390  | <2  | 0.09 | <2 | 3  | 35  | <20 | 0.25  | <10 | <10 | 105 | <10 | 96  | <5      |        |        |        |
| 369713 | 1090 | <1 | 0.02 | 19 | 360  | <2  | 0.08 | <2 | 34 | 54  | <20 | 0.17  | <10 | <10 | 623 | <10 | 79  | <5      | 0.007  | <0.005 | <0.001 |
| 369714 | 111  | <1 | 0.01 | 15 | 40   | <2  | 0.01 | <2 | 1  | 4   | <20 | 0.01  | <10 | <10 | 8   | <10 | 11  | <5      |        |        |        |
| 369715 | 1875 | <1 | 0.02 | 62 | 630  | <2  | 0.10 | <2 | 18 | 129 | <20 | 0.01  | <10 | <10 | 207 | <10 | 131 | <5      |        |        |        |
| 369716 | 1550 | <1 | 0.01 | 55 | 540  | <2  | 0.05 | <2 | 5  | 33  | <20 | 0.31  | <10 | <10 | 171 | <10 | 136 | <5      |        |        |        |
| 369717 | 1100 | <1 | 0.02 | 44 | 370  | <2  | 0.03 | <2 | 3  | 26  | <20 | 0.35  | <10 | <10 | 127 | <10 | 93  | <5      |        |        |        |

| Sample | Mn   | Mo | Na   | Ni  | P    | Pb | S     | Sb | Sc | Sr  | Th  | Ti    | Tl  | U   | V   | W   | Zn  | Au (FA) | Au | Pt | Pd |
|--------|------|----|------|-----|------|----|-------|----|----|-----|-----|-------|-----|-----|-----|-----|-----|---------|----|----|----|
| 369718 | 250  | 1  | 0.04 | 5   | 270  | 3  | 0.24  | <2 | <1 | 70  | <20 | 0.01  | <10 | <10 | 5   | <10 | 19  | 6       |    |    |    |
| 369719 | 242  | 5  | 0.03 | 5   | 300  | 3  | 0.41  | <2 | <1 | 65  | <20 | 0.01  | <10 | <10 | 5   | <10 | 26  | 21      |    |    |    |
| 369720 | 1595 | <1 | 0.02 | 27  | 750  | <2 | 0.11  | <2 | 25 | 92  | <20 | 0.07  | <10 | <10 | 302 | <10 | 125 | <5      |    |    |    |
| 369721 | 434  | <1 | 0.02 | 57  | 180  | <2 | 0.03  | <2 | 2  | 13  | <20 | 0.13  | <10 | <10 | 39  | <10 | 31  | <5      |    |    |    |
| 369722 | 1085 | <1 | 0.02 | 176 | 900  | 6  | 0.03  | <2 | 20 | 244 | <20 | 0.15  | <10 | <10 | 161 | <10 | 105 | 5       |    |    |    |
| 369723 | 1380 | <1 | 0.02 | 82  | 340  | <2 | 0.36  | 3  | 4  | 29  | <20 | 0.30  | <10 | <10 | 162 | <10 | 111 | 5       |    |    |    |
| 369724 | 336  | <1 | 0.04 | 16  | 360  | 4  | 0.75  | <2 | 1  | 60  | <20 | <0.01 | <10 | <10 | 11  | <10 | 48  | 7       |    |    |    |
| 369725 | 349  | <1 | 0.04 | 9   | 410  | 3  | 0.04  | <2 | 1  | 83  | <20 | 0.06  | <10 | <10 | 13  | <10 | 34  | <5      |    |    |    |
| 369726 | 2500 | <1 | 0.02 | 45  | 730  | <2 | 0.11  | 4  | 37 | 102 | <20 | 0.01  | <10 | <10 | 278 | <10 | 203 | 6       |    |    |    |
| 369727 | 1445 | <1 | 0.04 | <1  | 1410 | <2 | 0.11  | 3  | 15 | 45  | <20 | 0.29  | <10 | <10 | 78  | <10 | 80  | <5      |    |    |    |
| 369728 | 197  | <1 | 0.05 | 6   | 320  | 4  | 0.03  | <2 | 1  | 59  | <20 | 0.07  | <10 | <10 | 16  | <10 | 37  | <5      |    |    |    |
| 369729 | 232  | <1 | 0.05 | 7   | 350  | 3  | 0.03  | <2 | 1  | 97  | <20 | 0.07  | <10 | <10 | 13  | <10 | 40  | <5      |    |    |    |
| 369730 | 301  | <1 | 0.04 | 6   | 370  | 3  | 0.04  | <2 | 1  | 100 | <20 | 0.06  | <10 | <10 | 7   | <10 | 35  | <5      |    |    |    |
| 369731 | 231  | <1 | 0.05 | 8   | 370  | 2  | 0.03  | <2 | 1  | 73  | <20 | 0.08  | <10 | <10 | 15  | <10 | 39  | <5      |    |    |    |
| 369732 | 172  | <1 | 0.05 | 6   | 310  | 2  | 0.02  | <2 | 1  | 51  | <20 | 0.07  | <10 | <10 | 14  | <10 | 30  | <5      |    |    |    |
| 369733 | 298  | <1 | 0.05 | 7   | 360  | 3  | 0.05  | 2  | 1  | 61  | <20 | 0.07  | <10 | <10 | 15  | <10 | 40  | <5      |    |    |    |
| 369734 | 144  | <1 | 0.05 | 8   | 360  | 2  | 0.02  | <2 | 1  | 51  | <20 | 0.07  | <10 | <10 | 17  | <10 | 44  | <5      |    |    |    |
| 369735 | 316  | <1 | 0.22 | 39  | 160  | <2 | 0.06  | <2 | 5  | 63  | <20 | 0.12  | <10 | <10 | 71  | <10 | 30  | <5      |    |    |    |
| 369736 | 186  | <1 | 0.04 | 1   | 30   | 10 | <0.01 | <2 | <1 | 9   | <20 | 0.01  | <10 | <10 | 2   | <10 | 6   | <5      |    |    |    |
| 369737 | 170  | <1 | 0.09 | 7   | 140  | 4  | 0.02  | <2 | 4  | 7   | <20 | 0.08  | <10 | <10 | 37  | <10 | 35  | <5      |    |    |    |
| 369738 | 273  | <1 | 0.18 | 4   | 440  | <2 | 0.02  | <2 | 7  | 6   | <20 | 0.15  | <10 | <10 | 129 | <10 | 14  | <5      |    |    |    |
| 369739 | 200  | <1 | 0.07 | 20  | 130  | 4  | 0.38  | <2 | 4  | 29  | <20 | 0.07  | <10 | <10 | 36  | <10 | 12  | <5      |    |    |    |
| 369740 | 237  | <1 | 0.08 | 26  | 290  | <2 | 0.50  | <2 | 3  | 26  | <20 | 0.09  | <10 | <10 | 38  | <10 | 36  | <5      |    |    |    |
| 369741 | 282  | <1 | 0.13 | 9   | 190  | <2 | 0.05  | <2 | 7  | 19  | <20 | 0.18  | <10 | <10 | 167 | <10 | 15  | <5      |    |    |    |
| 369742 | 131  | <1 | 0.05 | 15  | 170  | <2 | 0.24  | <2 | 4  | 16  | <20 | 0.10  | <10 | <10 | 37  | <10 | 10  | <5      |    |    |    |
| 369743 | 211  | <1 | 0.07 | 9   | 80   | 7  | 0.04  | <2 | 4  | 5   | <20 | 0.07  | <10 | <10 | 36  | <10 | 14  | <5      |    |    |    |
| 369744 | 271  | <1 | 0.11 | 18  | 260  | <2 | 0.02  | <2 | 6  | 13  | <20 | 0.11  | <10 | <10 | 51  | <10 | 23  | <5      |    |    |    |
| 369745 | 178  | <1 | 0.13 | 12  | 70   | 3  | <0.01 | <2 | 4  | 11  | <20 | 0.06  | <10 | <10 | 25  | <10 | 12  | <5      |    |    |    |
| 369746 | 212  | <1 | 0.10 | 13  | 260  | <2 | 0.01  | <2 | 5  | 12  | <20 | 0.10  | <10 | <10 | 40  | <10 | 13  | <5      |    |    |    |
| 369747 | 134  | <1 | 0.11 | 21  | 180  | <2 | 0.10  | <2 | 3  | 23  | <20 | 0.07  | <10 | <10 | 21  | <10 | 9   | <5      |    |    |    |
| 369748 | 357  | <1 | 0.18 | 37  | 390  | <2 | 0.15  | <2 | 6  | 10  | <20 | 0.16  | <10 | <10 | 54  | <10 | 68  | <5      |    |    |    |

| Sample | Mn   | Mo | Na   | Ni  | P    | Pb | S    | Sb | Sc | Sr  | Th  | Ti   | Tl  | U   | V   | W   | Zn  | Au (FA) | Au | Pt | Pd |
|--------|------|----|------|-----|------|----|------|----|----|-----|-----|------|-----|-----|-----|-----|-----|---------|----|----|----|
| 369749 | 254  | <1 | 0.11 | 56  | 270  | <2 | 0.06 | <2 | 3  | 12  | <20 | 0.14 | <10 | <10 | 33  | <10 | 31  | <5      |    |    |    |
| 369750 | 272  | <1 | 0.08 | 67  | 1210 | <2 | 0.25 | <2 | 3  | 36  | <20 | 0.16 | <10 | <10 | 53  | <10 | 41  | <5      |    |    |    |
| 369751 | 122  | <1 | 0.02 | 2   | 150  | <2 | 0.06 | 2  | <1 | 22  | <20 | 0.02 | <10 | <10 | 4   | <10 | 17  | <5      |    |    |    |
| 369752 | 1105 | <1 | 0.03 | 44  | 470  | <2 | 0.11 | 3  | 6  | 40  | <20 | 0.27 | <10 | <10 | 149 | <10 | 98  | <5      |    |    |    |
| 369753 | 1235 | <1 | 0.04 | 6   | 680  | <2 | 0.23 | <2 | 26 | 72  | <20 | 0.10 | <10 | <10 | 267 | <10 | 120 | <5      |    |    |    |
| 369754 | 1010 | <1 | 0.03 | 148 | 340  | <2 | 0.08 | 2  | 2  | 22  | <20 | 0.20 | <10 | <10 | 104 | <10 | 91  | <5      |    |    |    |
| 369755 | 1080 | 3  | 0.04 | 14  | 580  | <2 | 0.15 | 2  | 5  | 44  | <20 | 0.33 | <10 | <10 | 161 | <10 | 75  | <5      |    |    |    |
| 369756 | 904  | <1 | 0.03 | 50  | 450  | <2 | 0.22 | 2  | 2  | 20  | <20 | 0.33 | <10 | <10 | 104 | <10 | 87  | <5      |    |    |    |
| 369757 | 830  | <1 | 0.03 | 64  | 350  | <2 | 0.14 | 3  | 2  | 36  | <20 | 0.30 | <10 | <10 | 91  | <10 | 77  | <5      |    |    |    |
| 369758 | 291  | <1 | 0.04 | 4   | 320  | <2 | 0.01 | <2 | 1  | 72  | <20 | 0.01 | <10 | <10 | 6   | <10 | 42  | <5      |    |    |    |
| 369759 | 1460 | <1 | 0.02 | 70  | 740  | 2  | 0.22 | <2 | 11 | 162 | <20 | 0.01 | <10 | <10 | 159 | <10 | 155 | <5      |    |    |    |
| 369760 | 1100 | <1 | 0.04 | 165 | 220  | <2 | 0.08 | <2 | 5  | 80  | <20 | 0.15 | <10 | <10 | 90  | <10 | 52  | <5      |    |    |    |
| 369761 | 1665 | <1 | 0.03 | 62  | 740  | <2 | 0.02 | <2 | 23 | 57  | <20 | 0.07 | <10 | <10 | 288 | <10 | 162 | <5      |    |    |    |
| 369762 | 927  | <1 | 0.02 | 71  | 440  | <2 | 0.29 | <2 | 4  | 35  | <20 | 0.22 | <10 | <10 | 111 | <10 | 84  | <5      |    |    |    |
| 369763 | 1640 | <1 | 0.02 | 88  | 680  | <2 | 0.07 | 5  | 3  | 18  | <20 | 0.37 | <10 | <10 | 214 | <10 | 180 | <5      |    |    |    |
| 369764 | 1650 | <1 | 0.02 | 43  | 800  | <2 | 0.10 | 3  | 18 | 41  | <20 | 0.22 | <10 | <10 | 354 | <10 | 162 | <5      |    |    |    |
| 369765 | 419  | <1 | 0.04 | 7   | 490  | 14 | 0.68 | 4  | 1  | 49  | <20 | 0.01 | <10 | <10 | 8   | <10 | 38  | 18      |    |    |    |
| 369766 | 1840 | <1 | 0.03 | 31  | 900  | <2 | 0.09 | 2  | 27 | 115 | <20 | 0.08 | <10 | <10 | 341 | <10 | 155 | <5      |    |    |    |

| Sample | Mn   | Mo | Na   | Ni  | P   | Pb | S     | Sb | Sc | Sr  | Th  | Ti    | Tl  | U   | V   | W   | Zn  | Au (FA) | Au | Pt | Pd |
|--------|------|----|------|-----|-----|----|-------|----|----|-----|-----|-------|-----|-----|-----|-----|-----|---------|----|----|----|
| 369767 | 313  | <1 | 0.05 | 2   | 340 | <2 | 0.01  | 3  | 1  | 32  | <20 | <0.01 | <10 | <10 | 6   | <10 | 29  | <5      |    |    |    |
| 369768 | 1195 | <1 | 0.03 | 59  | 430 | <2 | 0.11  | <2 | 4  | 37  | <20 | 0.27  | <10 | <10 | 154 | <10 | 97  | <5      |    |    |    |
| 369769 | 292  | <1 | 0.03 | 3   | 380 | 4  | 0.07  | 3  | 1  | 109 | <20 | 0.04  | <10 | <10 | 6   | <10 | 33  | <5      |    |    |    |
| 369770 | 980  | <1 | 0.02 | 109 | 370 | <2 | 0.28  | 4  | 2  | 28  | <20 | 0.24  | <10 | <10 | 96  | <10 | 75  | <5      |    |    |    |
| 369771 | 1235 | <1 | 0.02 | 55  | 520 | <2 | 0.28  | 4  | 4  | 31  | <20 | 0.37  | <10 | <10 | 154 | <10 | 126 | <5      |    |    |    |
| 369772 | 1270 | <1 | 0.02 | 58  | 490 | <2 | 0.13  | 4  | 2  | 46  | <20 | 0.31  | <10 | <10 | 132 | <10 | 110 | <5      |    |    |    |
| 369773 | 210  | <1 | 0.04 | 6   | 360 | <2 | 0.01  | <2 | 1  | 55  | <20 | 0.09  | <10 | <10 | 22  | <10 | 43  | <5      |    |    |    |
| 369774 | 179  | <1 | 0.04 | 3   | 210 | 2  | 0.01  | 3  | 1  | 43  | <20 | 0.05  | <10 | <10 | 10  | <10 | 39  | <5      |    |    |    |
| 369775 | 114  | <1 | 0.04 | 1   | 250 | 2  | 0.01  | 2  | <1 | 66  | <20 | 0.04  | <10 | <10 | 7   | <10 | 31  | <5      |    |    |    |
| 369776 | 196  | <1 | 0.04 | 2   | 210 | <2 | 0.01  | 3  | <1 | 32  | <20 | 0.03  | <10 | <10 | 6   | <10 | 30  | 12      |    |    |    |
| 369777 | 212  | <1 | 0.25 | 34  | 130 | <2 | 0.05  | <2 | 5  | 41  | <20 | 0.07  | <10 | <10 | 42  | <10 | 11  | <0.005  |    |    |    |
| 369778 | 118  | <1 | 0.05 | 1   | 80  | 6  | <0.01 | <2 | <1 | 11  | <20 | 0.04  | <10 | <10 | 7   | <10 | 12  | <0.005  |    |    |    |
| 369779 | 312  | <1 | 0.13 | 14  | 470 | <2 | 0.02  | <2 | 7  | 27  | <20 | 0.12  | <10 | <10 | 53  | <10 | 22  | <0.005  |    |    |    |
| 369780 | 291  | <1 | 0.05 | 15  | 240 | <2 | 0.04  | <2 | 4  | 44  | <20 | 0.10  | <10 | <10 | 53  | <10 | 16  | <0.005  |    |    |    |
| 369781 | 349  | <1 | 0.07 | 37  | 310 | <2 | 0.75  | <2 | 5  | 5   | <20 | 0.18  | <10 | <10 | 102 | <10 | 49  | <0.005  |    |    |    |
| 369782 | 320  | 2  | 0.04 | 146 | 230 | 3  | 6.24  | <2 | 3  | 11  | <20 | 0.09  | <10 | <10 | 23  | <10 | 110 | <0.005  |    |    |    |
| 369783 | 104  | <1 | 0.15 | 17  | 330 | <2 | 0.07  | <2 | 2  | 76  | <20 | 0.04  | <10 | <10 | 15  | <10 | 11  | <0.005  |    |    |    |
| 369784 | 126  | <1 | 0.06 | 7   | 910 | <2 | 3.08  | <2 | 2  | 5   | <20 | 0.14  | <10 | <10 | 19  | <10 | 78  | <0.005  |    |    |    |

| Sample | Mn  | Mo | Na   | Ni  | P    | Pb | S     | Sb | Sc | Sr | Th  | Ti   | Tl  | U   | V   | W   | Zn  | Au (FA) | Au | Pt | Pd |
|--------|-----|----|------|-----|------|----|-------|----|----|----|-----|------|-----|-----|-----|-----|-----|---------|----|----|----|
| 369785 | 181 | <1 | 0.09 | 12  | 140  | 2  | 0.03  | <2 | 4  | 10 | <20 | 0.10 | <10 | <10 | 37  | <10 | 16  | <0.005  |    |    |    |
| 369786 | 86  | <1 | 0.05 | 2   | 40   | 3  | 0.01  | <2 | 1  | 8  | <20 | 0.03 | <10 | <10 | 5   | <10 | 4   | <0.005  |    |    |    |
| 369787 | 491 | <1 | 0.08 | 46  | 480  | <2 | 0.09  | <2 | 4  | 14 | <20 | 0.28 | <10 | <10 | 88  | <10 | 73  | <0.005  |    |    |    |
| 369788 | 877 | 8  | 0.07 | 16  | 310  | 39 | 0.92  | <2 | 2  | 14 | <20 | 0.07 | <10 | <10 | 37  | <10 | 179 | <0.005  |    |    |    |
| 369801 | 259 | <1 | 0.04 | 153 | 1470 | <2 | 0.01  | <2 | 2  | 62 | <20 | 0.15 | <10 | <10 | 40  | <10 | 32  | <0.005  |    |    |    |
| 369802 | 213 | <1 | 0.19 | 17  | 240  | <2 | 0.01  | <2 | 5  | 27 | <20 | 0.08 | <10 | <10 | 35  | <10 | 12  | <0.005  |    |    |    |
| 369803 | 68  | 3  | 0.09 | 1   | 40   | 9  | 0.01  | <2 | 1  | 13 | <20 | 0.04 | <10 | <10 | 11  | <10 | 12  | <0.005  |    |    |    |
| 369804 | 63  | <1 | 0.08 | 2   | 40   | 4  | <0.01 | <2 | <1 | 12 | <20 | 0.03 | <10 | <10 | 7   | <10 | 5   | <0.005  |    |    |    |
| 369805 | 138 | <1 | 0.19 | 26  | 280  | <2 | 0.06  | <2 | 3  | 29 | <20 | 0.11 | <10 | <10 | 29  | <10 | 10  | <0.005  |    |    |    |
| 369806 | 114 | <1 | 0.07 | 13  | 230  | 2  | 0.34  | <2 | 2  | 16 | <20 | 0.15 | <10 | <10 | 26  | <10 | 17  | <0.005  |    |    |    |
| 369807 | 280 | <1 | 0.04 | 90  | 380  | 7  | 3.21  | <2 | 5  | 9  | <20 | 0.14 | <10 | <10 | 99  | <10 | 155 | <0.005  |    |    |    |
| 369808 | 247 | <1 | 0.03 | 29  | 290  | 7  | 1.40  | <2 | 5  | 5  | <20 | 0.22 | <10 | <10 | 83  | <10 | 56  | <0.005  |    |    |    |
| 369809 | 155 | <1 | 0.03 | <1  | 760  | <2 | 0.66  | 2  | 3  | 10 | <20 | 0.16 | <10 | <10 | 12  | <10 | 11  | <0.005  |    |    |    |
| 369810 | 159 | <1 | 0.04 | <1  | 870  | 2  | 2.73  | <2 | 2  | 4  | <20 | 0.15 | <10 | <10 | 28  | <10 | 17  | <0.005  |    |    |    |
| 369811 | 433 | <1 | 0.12 | 21  | 700  | <2 | 0.18  | <2 | 8  | 9  | <20 | 0.15 | <10 | <10 | 69  | <10 | 32  | <0.005  |    |    |    |
| 369812 | 167 | <1 | 0.19 | 13  | 210  | <2 | <0.01 | <2 | 4  | 31 | <20 | 0.07 | <10 | <10 | 28  | <10 | 9   | <0.005  |    |    |    |
| 369813 | 73  | <1 | 0.01 | 2   | 60   | 7  | 0.07  | <2 | 1  | 6  | <20 | 0.02 | <10 | <10 | 7   | <10 | 9   | <0.005  |    |    |    |
| 369814 | 687 | <1 | 0.05 | 26  | 380  | <2 | 0.18  | 2  | 3  | 19 | <20 | 0.22 | <10 | <10 | 104 | <10 | 117 | 11      |    |    |    |
| 369815 | 566 | <1 | 0.05 | 18  | 390  | <2 | 0.07  | 4  | 3  | 16 | <20 | 0.28 | <10 | <10 | 159 | <10 | 114 | <5      |    |    |    |
| 369816 | 954 | <1 | 0.08 | 3   | 700  | <2 | 0.23  | <2 | 7  | 25 | <20 | 0.21 | <10 | <10 | 149 | <10 | 163 | <5      |    |    |    |



| Sample | Mn   | Mo | Na   | Ni  | P    | Pb | S     | Sb | Sc | Sr  | Th  | Ti   | Tl  | U   | V   | W   | Zn  | Au (FA) | Au     | Pt     | Pd    |
|--------|------|----|------|-----|------|----|-------|----|----|-----|-----|------|-----|-----|-----|-----|-----|---------|--------|--------|-------|
| 369817 | 1195 | <1 | 0.03 | 31  | 690  | <2 | 0.11  | 3  | 21 | 76  | <20 | 0.16 | <10 | <10 | 249 | <10 | 157 | <5      |        |        |       |
| 369818 | 1070 | <1 | 0.04 | 71  | 440  | <2 | 0.15  | 2  | 5  | 14  | <20 | 0.28 | <10 | <10 | 179 | <10 | 32  | <5      |        |        |       |
| 369819 | 421  | <1 | 0.03 | 8   | 270  | 2  | 0.03  | <2 | 4  | 31  | <20 | 0.42 | <10 | <10 | 261 | <10 | 43  | <5      |        |        |       |
| 369820 | 136  | <1 | 0.01 | 9   | 30   | 4  | 0.03  | <2 | 2  | 11  | <20 | 0.03 | <10 | <10 | 13  | <10 | 39  | <5      |        |        |       |
| 369821 | 1335 | <1 | 0.03 | 38  | 670  | <2 | 0.04  | 2  | 11 | 34  | <20 | 0.01 | <10 | <10 | 152 | <10 | 48  | <5      |        |        |       |
| 369822 | 1690 | <1 | 0.02 | 53  | 550  | <2 | 0.02  | 3  | 5  | 35  | <20 | 0.38 | <10 | <10 | 205 | <10 | 49  | <5      |        |        |       |
| 369823 | 1375 | <1 | 0.04 | 40  | 500  | <2 | 0.30  | 2  | 3  | 34  | <20 | 0.43 | <10 | <10 | 190 | <10 | 38  | <5      |        |        |       |
| 369824 | 256  | 2  | 0.04 | 153 | 380  | <2 | 0.01  | <2 | <1 | 72  | <20 | 0.01 | <10 | <10 | 6   | <10 | 32  | <5      |        |        |       |
| 369825 | 1535 | <1 | 0.02 | 17  | 380  | <2 | 0.01  | <2 | 4  | 37  | <20 | 0.25 | <10 | <10 | 151 | <10 | 12  | <5      |        |        |       |
| 369826 | 1065 | <1 | 0.04 | 1   | 570  | 9  | 0.01  | 3  | 5  | 21  | <20 | 0.47 | <10 | <10 | 202 | <10 | 12  | <5      |        |        |       |
| 369827 | 1400 | <1 | 0.04 | 2   | 900  | 4  | <0.01 | 2  | 5  | 21  | <20 | 0.40 | <10 | <10 | 151 | <10 | 5   | <5      |        |        |       |
| 369828 | 1765 | <1 | 0.03 | 26  | 1020 | <2 | 0.06  | <2 | 7  | 22  | <20 | 0.42 | <10 | <10 | 217 | <10 | 10  | <5      | <0.001 | 0.006  | 0.006 |
| 369829 | 1955 | <1 | 0.02 | 13  | 710  | 2  | 0.34  | 2  | 35 | 135 | <20 | 0.02 | <10 | <10 | 343 | <10 | 17  | <5      | <0.001 | 0.006  | 0.006 |
| 369830 | 382  | <1 | 0.12 | 90  | 260  | 7  | 3.21  | <2 | 3  | 11  | <20 | 0.18 | <10 | <10 | 54  | <10 | 155 | <5      | 0.001  | 0.009  | 0.008 |
| 369831 | 273  | <1 | 0.05 | 29  | 360  | 7  | 1.40  | <2 | 1  | 54  | <20 | 0.08 | <10 | <10 | 25  | <10 | 56  | <5      | 0.001  | 0.010  | 0.015 |
| 369832 | 238  | <1 | 0.05 | <1  | 380  | <2 | 0.66  | <2 | 1  | 58  | <20 | 0.09 | <10 | <10 | 23  | <10 | 11  | <5      | <0.001 | <0.005 | 0.001 |
| 369833 | 840  | <1 | 0.03 | <1  | 830  | 2  | 2.73  | 2  | 5  | 76  | <20 | 0.20 | <10 | <10 | 118 | <10 | 17  | <5      | 0.001  | <0.005 | 0.001 |
| 369834 | 948  | <1 | 0.04 | 21  | 330  | <2 | 0.18  | 4  | 4  | 46  | <20 | 0.25 | <10 | <10 | 111 | <10 | 32  | <5      |        |        |       |
| 369835 | 342  | <1 | 0.04 | 13  | 620  | <2 | <0.01 | <2 | 3  | 42  | <20 | 0.04 | <10 | <10 | 31  | <10 | 9   | <5      |        |        |       |
| 369836 | 73   | <1 | 0.01 | 2   | 60   | 7  | 0.07  | <2 | 1  | 6   | <20 | 0.02 | <10 | <10 | 7   | <10 | 9   | <5      |        |        |       |

**APPENDIX D**

**ALS Chemex Assay Certificates**



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Page: 1

Finalized Date: 8-JUN-2008

Account: RRR

## CERTIFICATE TB08069965

Project: OFF LAKE

P.O. No.:

This report is for 20 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 29-MAY-2008.

The following have access to data associated with this certificate:

CJ BAKER  
NELSON BAKER

NELSON BAKER  
ALLEN RAOUL

CJ BAKER

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION                    |
|----------|--------------------------------|
| WEI-21   | Received Sample Weight         |
| LOG-22   | Sample login - Rcd w/o BarCode |
| CRU-QC   | Crushing QC Test               |
| PUL-QC   | Pulverizing QC Test            |
| CRU-31   | Fine crushing - 70% <2mm       |
| SPL-21   | Split sample - riffle splitter |
| PUL-31   | Pulverize split to 85% <75 um  |

## ANALYTICAL PROCEDURES

| ALS CODE  | DESCRIPTION                   | INSTRUMENT |
|-----------|-------------------------------|------------|
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP         | ICP-AES    |
| Au-AA23   | Au 30g FA-AA finish           | AAS        |
| ME-ICP41  | 35 Element Aqua Regia ICP-AES | ICP-AES    |

To: RAINY RIVER RESOURCES LTD.  
ATTN: ALLEN RAOUL  
P.O.BOX 5, 48 MARION STREET  
ECHO LAKES ESTATE  
EMO ON P0W 1E0

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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 Account: RRR

Project: OFF LAKE

**CERTIFICATE OF ANALYSIS TB08069965**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21          | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 |
|--------------------|-----------------------------------|-----------------|-----------|----------|-----------|----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|----------|
|                    |                                   | Recvd Wt.<br>kg | Ag<br>ppm | Al<br>%  | As<br>ppm | B<br>ppm | Ba<br>ppm | Be<br>ppm | Bi<br>ppm | Ca<br>%  | Cd<br>ppm | Co<br>ppm | Cr<br>ppm | Cu<br>ppm | Fe<br>%  |
|                    |                                   | 0.02            | 0.2       | 0.01     | 2         | 10       | 10        | 0.5       | 2         | 0.01     | 0.5       | 1         | 1         | 0.01      | 10       |
| H098101            |                                   | 1.11            | <0.2      | 0.02     | <2        | <10      | <10       | <0.5      | <2        | 0.01     | <0.5      | <1        | 11        | 1         | 0.27     |
| H098102            |                                   | 0.59            | <0.2      | 0.89     | <2        | <10      | 40        | <0.5      | <2        | 0.36     | <0.5      | 8         | 16        | 8         | 1.34     |
| H098103            |                                   | 0.84            | <0.2      | 0.18     | <2        | <10      | 30        | <0.5      | <2        | 0.05     | <0.5      | <1        | 7         | 9         | 0.58     |
| H098104            |                                   | 1.24            | <0.2      | 0.19     | 4         | <10      | 30        | <0.5      | <2        | 0.16     | <0.5      | 1         | 10        | 3         | 0.44     |
| H098105            |                                   | 1.59            | <0.2      | 0.98     | 3         | <10      | 70        | <0.5      | <2        | 0.43     | <0.5      | 6         | 12        | 4         | 2.03     |
| H098106            |                                   | 0.74            | <0.2      | 0.66     | <2        | <10      | 110       | <0.5      | <2        | 0.17     | <0.5      | 3         | 9         | 2         | 1.09     |
| H098107            |                                   | 0.87            | <0.2      | 0.27     | <2        | <10      | 30        | <0.5      | <2        | 0.10     | <0.5      | 1         | 13        | 2         | 0.60     |
| H098108            |                                   | 0.79            | <0.2      | 0.84     | <2        | <10      | 10        | <0.5      | <2        | 1.14     | <0.5      | 8         | 26        | 200       | 2.29     |
| H098109            |                                   | 0.83            | 0.2       | 1.37     | <2        | <10      | 10        | <0.5      | <2        | 1.12     | <0.5      | 11        | 16        | 67        | 2.99     |
| H098110            |                                   | 1.26            | 0.3       | 0.78     | 4         | <10      | 80        | <0.5      | <2        | 0.15     | <0.5      | 3         | 13        | 4         | 1.62     |
| H098111            |                                   | 1.01            | <0.2      | 0.58     | <2        | <10      | 10        | <0.5      | <2        | 1.23     | <0.5      | 18        | 7         | 152       | 1.35     |
| H098112            |                                   | 0.76            | <0.2      | 1.35     | 1080      | <10      | 20        | <0.5      | <2        | 1.30     | <0.5      | 81        | 1485      | 7         | 6.17     |
| H098113            |                                   | 0.92            | <0.2      | 1.64     | 5         | <10      | 10        | <0.5      | <2        | 1.20     | <0.5      | 17        | 8         | 81        | 3.77     |
| H098114            |                                   | 0.52            | <0.2      | 0.77     | 2         | <10      | 100       | <0.5      | <2        | 0.20     | <0.5      | 6         | 14        | 10        | 1.63     |
| H098115            |                                   | 0.80            | <0.2      | 0.56     | 2         | <10      | 50        | <0.5      | <2        | 0.36     | <0.5      | 7         | 16        | 58        | 1.28     |
| H098116            |                                   | 0.79            | <0.2      | 0.10     | <2        | <10      | 10        | <0.5      | <2        | 0.06     | <0.5      | 2         | 11        | 9         | 0.42     |
| H098117            |                                   | 0.79            | <0.2      | 0.94     | <2        | <10      | 170       | <0.5      | <2        | 0.26     | <0.5      | 7         | 28        | 4         | 1.49     |
| H098118            |                                   | 0.90            | <0.2      | 1.04     | <2        | <10      | 120       | <0.5      | <2        | 0.34     | <0.5      | 9         | 15        | 20        | 1.63     |
| H098119            |                                   | 0.84            | 0.2       | 1.10     | <2        | <10      | 40        | <0.5      | <2        | 1.08     | <0.5      | 15        | 10        | 61        | 3.58     |
| H098120            |                                   | 0.87            | <0.2      | 0.74     | <2        | <10      | 40        | <0.5      | <2        | 0.20     | <0.5      | 5         | 8         | 14        | 1.38     |



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 Total # Pages: 2 (A - C)  
 Finalized Date: 8-JUN-2008  
 Account: RRR

Project: OFF LAKE

**CERTIFICATE OF ANALYSIS TB08069965**

| Sample Description | Method  | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |     |
|--------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|
|                    | Analyte | Hg       | K        | La       | Mg       | Mn       | Mo       | Na       | Ni       | P        | Pb       | S        | Sb       | Sc       | Sr       | Th  |
| Units              |         | ppm      | %        | ppm      | %        | ppm      | ppm      | %        | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm |
| LOR                |         | 1        | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 2        | 1        | 1        | 20  |
| H098101            |         | <1       | <0.01    | <10      | 0.01     | 32       | <1       | <0.01    | 1        | 10       | <2       | <0.01    | <2       | <1       | 1        | <20 |
| H098102            |         | <1       | 0.07     | 10       | 0.81     | 331      | <1       | 0.03     | 16       | 630      | <2       | <0.01    | <2       | 1        | 39       | <20 |
| H098103            |         | <1       | 0.07     | 10       | 0.04     | 98       | <1       | 0.03     | 1        | 80       | 2        | <0.01    | <2       | <1       | 7        | <20 |
| H098104            |         | <1       | 0.04     | <10      | 0.08     | 72       | <1       | 0.02     | 3        | 430      | 3        | <0.01    | <2       | 1        | 17       | <20 |
| H098105            |         | 1        | 0.66     | 10       | 0.48     | 237      | <1       | 0.05     | 7        | 370      | <2       | <0.01    | <2       | 1        | 11       | <20 |
| H098106            |         | <1       | 0.39     | 10       | 0.30     | 152      | <1       | 0.06     | 3        | 300      | <2       | <0.01    | <2       | 1        | 20       | <20 |
| H098107            |         | <1       | 0.11     | <10      | 0.11     | 77       | <1       | 0.03     | 2        | 210      | <2       | <0.01    | <2       | <1       | 10       | <20 |
| H098108            |         | <1       | 0.04     | <10      | 0.55     | 241      | <1       | 0.12     | 16       | 470      | <2       | <0.01    | <2       | 8        | 5        | <20 |
| H098109            |         | <1       | 0.06     | <10      | 0.71     | 296      | <1       | 0.15     | 13       | 850      | <2       | 0.01     | <2       | 7        | 6        | <20 |
| H098110            |         | <1       | 0.43     | 10       | 0.46     | 180      | <1       | 0.04     | 3        | 410      | <2       | 0.06     | <2       | 1        | 12       | <20 |
| H098111            |         | <1       | 0.02     | <10      | 0.21     | 272      | <1       | 0.06     | 22       | 500      | <2       | <0.01    | <2       | 4        | 25       | <20 |
| H098112            |         | 1        | <0.01    | <10      | 8.81     | 897      | <1       | 0.01     | 706      | 100      | <2       | 0.02     | 5        | 15       | 17       | <20 |
| H098113            |         | <1       | 0.05     | 10       | 0.86     | 417      | <1       | 0.13     | 13       | 870      | <2       | 0.02     | <2       | 8        | 19       | <20 |
| H098114            |         | <1       | 0.30     | 10       | 0.40     | 262      | <1       | 0.06     | 6        | 340      | 3        | <0.01    | <2       | 2        | 12       | <20 |
| H098115            |         | <1       | 0.11     | 10       | 0.38     | 153      | 3        | 0.06     | 16       | 380      | 4        | 0.03     | <2       | 1        | 18       | <20 |
| H098116            |         | <1       | 0.02     | <10      | 0.06     | 67       | <1       | 0.01     | 4        | 50       | <2       | <0.01    | <2       | <1       | 4        | <20 |
| H098117            |         | <1       | 0.59     | 10       | 0.63     | 174      | <1       | 0.06     | 19       | 380      | <2       | <0.01    | <2       | 1        | 26       | <20 |
| H098118            |         | <1       | 0.58     | 10       | 0.68     | 227      | <1       | 0.05     | 11       | 450      | <2       | <0.01    | <2       | <1       | 32       | <20 |
| H098119            |         | <1       | 0.17     | <10      | 0.68     | 362      | 1        | 0.13     | 13       | 800      | 2        | 0.04     | <2       | 7        | 9        | <20 |
| H098120            |         | <1       | 0.42     | 10       | 0.38     | 185      | <1       | 0.05     | 5        | 330      | <2       | <0.01    | <2       | 1        | 12       | <20 |



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Page: 2 - C  
 Total # Pages: 2 (A - C)  
 Finalized Date: 8-JUN-2008  
 Account: RRR

Project: OFF LAKE

**CERTIFICATE OF ANALYSIS TB08069965**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41  | PGM-ICP23 | PGM-ICP23 | PGM-ICP23 | Au-AA23   |
|--------------------|-----------------------------------|----------|-----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|
|                    |                                   | Ti<br>%  | Ti<br>ppm | U<br>ppm | V<br>ppm | W<br>ppm | Zn<br>ppm | Au<br>ppm | Pt<br>ppm | Pd<br>ppm | Au<br>ppm |
|                    |                                   | 0.01     | 10        | 10       | 1        | 10       | 2         | 0.001     | 0.005     | 0.001     | 0.005     |
| H098101            |                                   | <0.01    | <10       | <10      | <1       | <10      | <2        |           |           |           | <0.005    |
| H098102            |                                   | 0.07     | <10       | <10      | 20       | <10      | 67        |           |           |           | <0.005    |
| H098103            |                                   | <0.01    | <10       | <10      | 2        | <10      | 8         |           |           |           | <0.005    |
| H098104            |                                   | 0.01     | <10       | <10      | 4        | <10      | 15        |           |           |           | <0.005    |
| H098105            |                                   | 0.13     | <10       | <10      | 23       | <10      | 27        | 0.003     | <0.005    | <0.001    |           |
| H098106            |                                   | 0.08     | <10       | <10      | 13       | <10      | 19        |           |           |           | <0.005    |
| H098107            |                                   | 0.03     | <10       | <10      | 4        | <10      | 9         |           |           |           | <0.005    |
| H098108            |                                   | 0.26     | <10       | <10      | 131      | <10      | 20        |           |           |           | <0.005    |
| H098109            |                                   | 0.15     | <10       | <10      | 73       | <10      | 37        |           |           |           | <0.005    |
| H098110            |                                   | 0.13     | <10       | <10      | 30       | <10      | 27        |           |           |           | 0.010     |
| H098111            |                                   | 0.22     | <10       | <10      | 52       | <10      | 50        |           |           |           | <0.005    |
| H098112            |                                   | <0.01    | <10       | <10      | 48       | <10      | 32        |           |           |           | <0.005    |
| H098113            |                                   | 0.20     | <10       | <10      | 107      | <10      | 51        | 0.003     | <0.005    | 0.002     |           |
| H098114            |                                   | 0.12     | <10       | <10      | 27       | <10      | 52        |           |           |           | <0.005    |
| H098115            |                                   | 0.12     | <10       | <10      | 24       | <10      | 33        |           |           |           | <0.005    |
| H098116            |                                   | 0.01     | <10       | <10      | 3        | <10      | 6         |           |           |           | <0.005    |
| H098117            |                                   | 0.13     | <10       | <10      | 30       | <10      | 34        |           |           |           | <0.005    |
| H098118            |                                   | 0.13     | <10       | <10      | 23       | <10      | 55        |           |           |           | 0.006     |
| H098119            |                                   | 0.23     | <10       | <10      | 113      | <10      | 41        | 0.002     | <0.005    | 0.001     |           |
| H098120            |                                   | 0.10     | <10       | <10      | 17       | <10      | 47        |           |           |           | <0.005    |



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**CERTIFICATE TB08076421**

Project: OFF LAKE

P.O. No.:

This report is for 60 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 11-JUN-2008.

The following have access to data associated with this certificate:

CJ BAKER  
NELSON BAKER

NELSON BAKER  
ALLEN RAOUL

CJ BAKER

**SAMPLE PREPARATION**

| ALS CODE | DESCRIPTION                    |
|----------|--------------------------------|
| WEI-21   | Received Sample Weight         |
| LOG-22   | Sample login - Rcd w/o BarCode |
| CRU-QC   | Crushing QC Test               |
| PUL-QC   | Pulverizing QC Test            |
| CRU-31   | Fine crushing - 70% <2mm       |
| SPL-21   | Split sample - riffle splitter |
| PUL-31   | Pulverize split to 85% <75 um  |

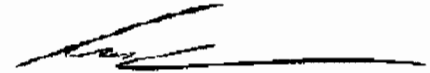
**ANALYTICAL PROCEDURES**

| ALS CODE | DESCRIPTION                    | INSTRUMENT |
|----------|--------------------------------|------------|
| ME-ICP41 | 35 Element Aqua Regia ICP-AES  | ICP-AES    |
| Ag-OG46  | Ore Grade Ag - Aqua Regia      | VARIABLE   |
| ME-OG46  | Ore Grade Elements - AquaRegia | ICP-AES    |
| Au-AA23  | Au 30g FA-AA finish            | AAS        |

To: RAINY RIVER RESOURCES LTD.  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:



Colin Ramshaw, Vancouver Laboratory Manager



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Project: OFF LAKE

**CERTIFICATE OF ANALYSIS TB08076421**

| Sample Description | Method Analyte Units LOR | WEI-21      | Au-AA23 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|--------------------|--------------------------|-------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    |                          | Recvd Wt kg | 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 %     |
|                    |                          | 0.02        | 0.005   | 0.2      | 0.01     | 2        | 10       | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     |
| H098121            |                          | 0.84        | <0.005  | <0.2     | 1.42     | <2       | <10      | 10       | <0.5     | <2       | 1.77     | <0.5     | 21       | 28       | 102      | 3.62     |
| H098122            |                          | 0.66        | <0.005  | <0.2     | 3.89     | 2        | <10      | 50       | <0.5     | <2       | 1.05     | <0.5     | 25       | 60       | 1        | 6.88     |
| H098123            |                          | 1.40        | <0.005  | 0.2      | 0.05     | <2       | <10      | <10      | <0.5     | <2       | 0.02     | <0.5     | 1        | 18       | 18       | 0.80     |
| H098124            |                          | 1.04        | <0.005  | <0.2     | 2.63     | <2       | <10      | 50       | <0.5     | <2       | 2.50     | <0.5     | 18       | 31       | 66       | 7.65     |
| H098125            |                          | 1.34        | <0.005  | <0.2     | 1.96     | <2       | <10      | 180      | <0.5     | <2       | 1.69     | <0.5     | 19       | 35       | 83       | 4.71     |
| H098126            |                          | 0.65        | 0.006   | <0.2     | 0.91     | <2       | <10      | 130      | <0.5     | <2       | 0.22     | <0.5     | 7        | 10       | 24       | 1.70     |
| H098127            |                          | 1.05        | 0.027   | 0.5      | 1.18     | 2        | <10      | 40       | <0.5     | <2       | 1.28     | <0.5     | 18       | 5        | 388      | 4.26     |
| H098128            |                          | 0.74        | 0.032   | 0.8      | 0.87     | <2       | <10      | 20       | <0.5     | <2       | 1.02     | <0.5     | 15       | 5        | 184      | 5.16     |
| H098129            |                          | 0.58        | <0.005  | <0.2     | 3.39     | <2       | <10      | 130      | <0.5     | <2       | 0.87     | <0.5     | 23       | 62       | 23       | 6.58     |
| H098130            |                          | 0.84        | 0.019   | 0.8      | 1.60     | <2       | <10      | 20       | <0.5     | <2       | 1.29     | <0.5     | 35       | 4        | 160      | 11.95    |
| H098131            |                          | 1.51        | 0.012   | <0.2     | 2.70     | <2       | <10      | 500      | <0.5     | <2       | 0.81     | <0.5     | 25       | 57       | 48       | 7.71     |
|                    |                          | 0.64        | <0.005  | <0.2     | 3.70     | <2       | <10      | 60       | <0.5     | <2       | 1.94     | <0.5     | 29       | 65       | 40       | 8.68     |
|                    |                          | 0.81        | <0.005  | <0.2     | 1.79     | <2       | <10      | 30       | <0.5     | <2       | 2.10     | <0.5     | 17       | 3        | 36       | 5.07     |
|                    |                          | 0.83        | <0.005  | <0.2     | 0.97     | <2       | <10      | 60       | <0.5     | <2       | 0.12     | <0.5     | 9        | 241      | 29       | 2.10     |
| H098135            |                          | 0.66        | <0.005  | <0.2     | 0.47     | <2       | <10      | 60       | <0.5     | <2       | 0.36     | <0.5     | 2        | 12       | 4        | 0.86     |
| H098136            |                          | 0.99        | <0.005  | <0.2     | 0.47     | <2       | <10      | 30       | <0.5     | <2       | 0.10     | <0.5     | 4        | 12       | 7        | 0.80     |
| H098137            |                          | 0.61        | <0.005  | <0.2     | 2.11     | 2        | <10      | 310      | <0.5     | <2       | 0.12     | <0.5     | 16       | 146      | 20       | 3.61     |
| H098138            |                          | 1.21        | <0.005  | <0.2     | 0.48     | 2        | <10      | 60       | <0.5     | <2       | 0.20     | <0.5     | 2        | 11       | 2        | 0.75     |
| H098139            |                          | 1.53        | <0.005  | <0.2     | 0.54     | 2        | <10      | 50       | <0.5     | <2       | 0.16     | <0.5     | 3        | 16       | 3        | 0.83     |
| H098140            |                          | 1.13        | <0.005  | <0.2     | 0.40     | 2        | <10      | 40       | <0.5     | <2       | 0.28     | <0.5     | 2        | 9        | 1        | 0.62     |
|                    |                          | 0.84        | <0.005  | <0.2     | 3.15     | <2       | <10      | 360      | <0.5     | <2       | 2.34     | <0.5     | 22       | 62       | 7        | 4.35     |
|                    |                          | 0.94        | <0.005  | <0.2     | 0.79     | <2       | <10      | 10       | <0.5     | <2       | 0.40     | <0.5     | 8        | 13       | 8        | 1.84     |
|                    |                          | 0.73        | 0.016   | 0.2      | 1.89     | <2       | <10      | 120      | <0.5     | <2       | 0.92     | <0.5     | 26       | 4        | 252      | 4.49     |
|                    |                          | 0.74        | <0.005  | <0.2     | 1.81     | <2       | <10      | 40       | <0.5     | <2       | 2.00     | <0.5     | 20       | 96       | 81       | 3.41     |
|                    |                          | 0.53        | <0.005  | <0.2     | 4.03     | <2       | <10      | 10       | <0.5     | <2       | 2.56     | <0.5     | 33       | 107      | 22       | 5.72     |
|                    |                          | 0.76        | <0.005  | <0.2     | 2.40     | 3        | <10      | <10      | <0.5     | <2       | 2.24     | <0.5     | 27       | 43       | 77       | 5.17     |
|                    |                          | 0.74        | 0.007   | 0.5      | 2.82     | 6        | <10      | 10       | <0.5     | <2       | 1.45     | 1.9      | 17       | 14       | 128      | 4.50     |
|                    |                          | 1.08        | 0.013   | 0.9      | 3.39     | 2        | <10      | <10      | <0.5     | <2       | 1.79     | <0.5     | 28       | 36       | 83       | 6.48     |
|                    |                          | 0.84        | 0.005   | <0.2     | 0.12     | <2       | <10      | <10      | <0.5     | <2       | 0.08     | <0.5     | 1        | 8        | 1        | 0.50     |
|                    |                          | 0.76        | 0.007   | 0.4      | 3.57     | 2        | <10      | 90       | <0.5     | <2       | 1.80     | <0.5     | 45       | 42       | 171      | 6.66     |
|                    |                          | 1.84        | 0.011   | 0.2      | 2.96     | <2       | <10      | 100      | <0.5     | <2       | 3.01     | <0.5     | 30       | 73       | 177      | 4.49     |
|                    |                          | 0.85        | 0.011   | <0.2     | 2.44     | <2       | <10      | 60       | <0.5     | 2        | 1.62     | <0.5     | 21       | 2        | 79       | 4.96     |
|                    |                          | 0.72        | 0.010   | <0.2     | 1.79     | <2       | <10      | 60       | <0.5     | <2       | 1.04     | <0.5     | 15       | 33       | 61       | 3.41     |
|                    |                          | 0.93        | 0.007   | <0.2     | 0.80     | <2       | <10      | 40       | <0.5     | <2       | 1.03     | <0.5     | 4        | 4        | 1        | 1.29     |
|                    |                          | 1.29        | 0.005   | <0.2     | 0.66     | <2       | <10      | 90       | <0.5     | <2       | 1.04     | <0.5     | 34       | 222      | 161      | 1.83     |
|                    |                          | 0.70        | 0.007   | 0.3      | 1.55     | 8        | <10      | 60       | <0.5     | 2        | 1.73     | <0.5     | 26       | 61       | 82       | 5.05     |
|                    |                          | 0.81        | 0.005   | 0.2      | 0.99     | <2       | <10      | 190      | <0.5     | <2       | 0.28     | <0.5     | 6        | 13       | 10       | 1.79     |
|                    |                          | 0.86        | 4.01    | >100     | 1.12     | 173      | <10      | 20       | <0.5     | 213      | 0.09     | 7.8      | 106      | 155      | 2540     | 17.0     |
|                    |                          | 0.76        | 0.014   | 0.5      | 3.72     | 2        | <10      | 10       | <0.5     | 3        | 1.15     | <0.5     | 24       | 315      | 98       | 5.11     |
|                    |                          | 0.72        | 0.017   | 0.9      | 1.38     | 2        | <10      | 20       | <0.5     | 3        | 0.23     | <0.5     | 7        | 26       | 42       | 3.06     |





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 Finalized Date: 23-JUN-2008  
 Account: RRR

Project: OFF LAKE

**CERTIFICATE OF ANALYSIS TB08076421**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41        | ME-ICP41       | ME-ICP41       | ME-ICP41        | ME-ICP41        | ME-ICP41       | ME-ICP41       | ME-ICP41        | ME-ICP41       | ME-ICP41       | ME-ICP41       | ME-ICP41       | ME-ICP41       | ME-ICP41       | ME-ICP41       |
|--------------------|-----------------------------------|-----------------|----------------|----------------|-----------------|-----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                    |                                   | Ga<br>ppm<br>10 | Hg<br>ppm<br>1 | K<br>%<br>0.01 | La<br>ppm<br>10 | Mg<br>%<br>0.01 | Mn<br>ppm<br>5 | Mo<br>ppm<br>1 | Na<br>%<br>0.01 | Ni<br>ppm<br>1 | P<br>ppm<br>10 | Pb<br>ppm<br>2 | S<br>%<br>0.01 | Sb<br>ppm<br>2 | Sc<br>ppm<br>1 | Sr<br>ppm<br>1 |
| H098121            |                                   | 10              | <1             | 0.09           | <10             | 0.65            | 490            | 1              | 0.18            | 38             | 680            | <2             | 0.13           | <2             | 9              | 15             |
| H098122            |                                   | 10              | <1             | 0.28           | <10             | 3.00            | 654            | <1             | 0.12            | 26             | 530            | <2             | <0.01          | <2             | 10             | 9              |
| H098123            |                                   | <10             | <1             | 0.01           | <10             | 0.03            | 39             | 1              | 0.01            | 5              | 50             | <2             | 0.02           | <2             | <1             | 1              |
| H098124            |                                   | 10              | <1             | 0.28           | <10             | 0.75            | 627            | <1             | 0.33            | 15             | 830            | <2             | 0.03           | <2             | 13             | 7              |
| H098125            |                                   | 10              | <1             | 0.22           | <10             | 0.58            | 677            | <1             | 0.22            | 26             | 800            | <2             | 0.06           | <2             | 14             | 10             |
| H098126            |                                   | 10              | <1             | 0.31           | 10              | 0.42            | 176            | <1             | 0.10            | 9              | 390            | <2             | <0.01          | <2             | 1              | 23             |
| H098127            |                                   | 10              | <1             | 0.23           | 10              | 0.77            | 318            | 1              | 0.18            | 11             | 770            | <2             | 0.22           | <2             | 10             | 7              |
| H098128            |                                   | 10              | <1             | 0.14           | 10              | 0.55            | 250            | 1              | 0.13            | 6              | 1150           | <2             | 0.30           | <2             | 8              | 8              |
| H098129            |                                   | 10              | <1             | 0.71           | <10             | 2.54            | 538            | <1             | 0.05            | 45             | 810            | <2             | 0.06           | <2             | 7              | 11             |
| H098130            |                                   | 10              | <1             | 0.06           | <10             | 0.84            | 1730           | <1             | 0.14            | 15             | 680            | <2             | 4.87           | <2             | 8              | 14             |
| H098131            |                                   | 10              | <1             | 0.97           | <10             | 1.47            | 921            | <1             | 0.04            | 41             | 830            | <2             | 0.22           | <2             | 7              | 75             |
|                    |                                   | 20              | <1             | 0.21           | <10             | 1.46            | 1225           | <1             | 0.08            | 45             | 920            | <2             | 0.05           | <2             | 16             | 18             |
|                    |                                   | 10              | <1             | 0.11           | <10             | 0.65            | 713            | <1             | 0.21            | 1              | 1210           | <2             | 0.21           | <2             | 14             | 11             |
|                    |                                   | 10              | <1             | 0.52           | 20              | 0.84            | 233            | 1              | 0.04            | 44             | 210            | 5              | 0.45           | <2             | 1              | 10             |
| H098135            |                                   | <10             | <1             | 0.14           | 10              | 0.23            | 191            | <1             | 0.08            | 4              | 160            | 3              | <0.01          | <2             | <1             | 45             |
| H098136            |                                   | <10             | <1             | 0.11           | 10              | 0.17            | 165            | <1             | 0.07            | 5              | 140            | 3              | <0.01          | <2             | 1              | 21             |
| H098137            |                                   | 10              | <1             | 1.17           | 20              | 1.19            | 405            | 1              | 0.06            | 39             | 520            | 7              | <0.01          | <2             | 7              | 8              |
| H098138            |                                   | <10             | <1             | 0.22           | 10              | 0.20            | 164            | <1             | 0.09            | 4              | 140            | 4              | <0.01          | <2             | <1             | 42             |
| H098139            |                                   | <10             | <1             | 0.28           | 10              | 0.25            | 161            | <1             | 0.09            | 6              | 180            | 3              | <0.01          | <2             | <1             | 41             |
| H098140            |                                   | <10             | <1             | 0.15           | 10              | 0.15            | 165            | <1             | 0.08            | 3              | 120            | 4              | <0.01          | <2             | <1             | 37             |
|                    |                                   | 10              | <1             | 1.11           | 10              | 0.69            | 684            | <1             | 0.23            | 36             | 700            | 2              | <0.01          | <2             | 17             | 31             |
|                    |                                   | 10              | <1             | 0.07           | 10              | 0.49            | 223            | 1              | 0.09            | 9              | 310            | <2             | 0.01           | <2             | 1              | 44             |
|                    |                                   | 10              | 1              | 0.52           | <10             | 1.28            | 382            | <1             | 0.13            | 24             | 570            | <2             | 0.18           | <2             | 9              | 9              |
|                    |                                   | 10              | <1             | 0.14           | <10             | 1.02            | 466            | <1             | 0.20            | 28             | 580            | <2             | 0.13           | <2             | 10             | 11             |
|                    |                                   | 10              | <1             | 0.08           | <10             | 2.57            | 634            | <1             | 0.13            | 95             | 410            | <2             | <0.01          | <2             | 8              | 26             |
|                    |                                   | 10              | <1             | 0.04           | <10             | 1.59            | 454            | <1             | 0.12            | 46             | 740            | 2              | 0.35           | <2             | 12             | 15             |
|                    |                                   | 10              | <1             | 0.05           | 20              | 1.82            | 965            | 1              | 0.02            | 21             | 780            | 68             | 0.37           | <2             | 8              | 28             |
|                    |                                   | 10              | <1             | 0.06           | <10             | 1.71            | 979            | <1             | 0.09            | 32             | 780            | 19             | 0.19           | <2             | 9              | 19             |
|                    |                                   | <10             | <1             | 0.02           | <10             | 0.05            | 95             | <1             | 0.01            | 2              | 30             | 2              | <0.01          | <2             | <1             | 3              |
|                    |                                   | 10              | <1             | 1.00           | 10              | 1.21            | 600            | <1             | 0.17            | 54             | 900            | 2              | 0.43           | <2             | 12             | 32             |
|                    |                                   | 10              | <1             | 0.47           | <10             | 1.23            | 716            | <1             | 0.21            | 40             | 760            | 2              | 0.13           | <2             | 12             | 49             |
|                    |                                   | 10              | <1             | 0.10           | 10              | 1.17            | 523            | <1             | 0.17            | 11             | 1180           | <2             | 0.01           | <2             | 15             | 11             |
|                    |                                   | 10              | <1             | 0.10           | 10              | 1.12            | 268            | <1             | 0.11            | 19             | 860            | <2             | 0.03           | <2             | 11             | 7              |
|                    |                                   | <10             | <1             | 0.11           | 10              | 0.38            | 227            | <1             | 0.06            | 5              | 360            | <2             | <0.01          | <2             | <1             | 16             |
|                    |                                   | <10             | <1             | 0.07           | 10              | 0.96            | 237            | <1             | 0.12            | 251            | 320            | <2             | 0.37           | <2             | 4              | 53             |
|                    |                                   | <10             | 1              | 0.18           | <10             | 0.92            | 467            | <1             | 0.20            | 39             | 740            | 2              | 0.53           | <2             | 10             | 22             |
|                    |                                   | 10              | <1             | 0.55           | 10              | 0.52            | 283            | <1             | 0.10            | 8              | 320            | <2             | 0.14           | <2             | 2              | 18             |
|                    |                                   | <10             | 1              | 0.10           | <10             | 0.63            | 338            | 6              | 0.02            | 110            | 180            | 1310           | >10.0          | <2             | 3              | 5              |
|                    |                                   | 10              | <1             | 0.01           | <10             | 3.77            | 615            | <1             | 0.02            | 120            | 260            | 4              | 0.32           | <2             | 4              | 45             |
|                    |                                   | 10              | <1             | 0.11           | <10             | 1.24            | 257            | 1              | 0.05            | 13             | 290            | 8              | 0.87           | <2             | 1              | 30             |



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| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Ag-OG46 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|----------|----------|---------|
|                    |                                   | Th       | Ti       | Tl       | U        | V        | W        | Zn       | Ag      |
|                    |                                   | ppm      | %        | ppm      | ppm      | ppm      | ppm      | ppm      | ppm     |
|                    |                                   | 20       | 0.01     | 10       | 10       | 1        | 10       | 2        | 1       |
| H098121            |                                   | <20      | 0.36     | <10      | <10      | 116      | <10      | 57       |         |
| H098122            |                                   | <20      | 0.38     | <10      | <10      | 202      | <10      | 73       |         |
| H098123            |                                   | <20      | 0.01     | <10      | <10      | 4        | <10      | 2        |         |
| H098124            |                                   | <20      | 0.16     | <10      | <10      | 133      | <10      | 47       |         |
| H098125            |                                   | <20      | 0.20     | <10      | <10      | 152      | <10      | 45       |         |
| H098126            |                                   | <20      | 0.09     | <10      | <10      | 24       | <10      | 26       |         |
| H098127            |                                   | <20      | 0.26     | <10      | <10      | 143      | <10      | 31       |         |
| H098128            |                                   | <20      | 0.25     | <10      | <10      | 108      | <10      | 22       |         |
| H098129            |                                   | <20      | 0.42     | <10      | <10      | 219      | <10      | 60       |         |
| H098130            |                                   | <20      | 0.12     | <10      | <10      | 96       | <10      | 41       |         |
| H098131            |                                   | <20      | 0.35     | <10      | <10      | 227      | <10      | 112      |         |
| H098132            |                                   | <20      | 0.39     | <10      | <10      | 318      | <10      | 63       |         |
| H098133            |                                   | <20      | 0.18     | <10      | <10      | 62       | <10      | 39       |         |
| H098134            |                                   | <20      | 0.10     | <10      | <10      | 17       | <10      | 30       |         |
| H098135            |                                   | <20      | 0.04     | <10      | <10      | 6        | <10      | 25       |         |
| H098136            |                                   | <20      | 0.01     | <10      | <10      | 6        | <10      | 20       |         |
| H098137            |                                   | <20      | 0.19     | <10      | <10      | 73       | <10      | 73       |         |
| H098138            |                                   | <20      | 0.04     | <10      | <10      | 7        | <10      | 29       |         |
| H098139            |                                   | <20      | 0.04     | <10      | <10      | 10       | <10      | 28       |         |
| H098140            |                                   | <20      | 0.03     | <10      | <10      | 4        | <10      | 22       |         |
| H098141            |                                   | <20      | 0.29     | <10      | <10      | 260      | <10      | 66       |         |
| H098142            |                                   | <20      | 0.11     | <10      | <10      | 29       | <10      | 46       |         |
| H098143            |                                   | <20      | 0.23     | <10      | <10      | 232      | <10      | 69       |         |
| H098144            |                                   | <20      | 0.17     | <10      | <10      | 123      | <10      | 45       |         |
| H098145            |                                   | <20      | 0.13     | <10      | <10      | 123      | <10      | 95       |         |
| H098146            |                                   | <20      | 0.16     | <10      | <10      | 165      | <10      | 44       |         |
| H098147            |                                   | <20      | 0.17     | <10      | <10      | 58       | 10       | 718      |         |
| H098148            |                                   | <20      | 0.21     | <10      | <10      | 147      | <10      | 251      |         |
| H098149            |                                   | <20      | <0.01    | <10      | <10      | 2        | <10      | 11       |         |
| H098150            |                                   | <20      | 0.29     | <10      | <10      | 199      | <10      | 131      |         |
| H098151            |                                   | <20      | 0.22     | <10      | <10      | 176      | <10      | 74       |         |
| H098152            |                                   | <20      | 0.20     | <10      | <10      | 178      | <10      | 103      |         |
| H098153            |                                   | <20      | 0.16     | <10      | <10      | 132      | <10      | 117      |         |
| H098154            |                                   | <20      | <0.01    | <10      | <10      | 8        | <10      | 44       |         |
| H098155            |                                   | <20      | 0.09     | <10      | <10      | 30       | <10      | 37       |         |
| H098156            |                                   | <20      | 0.23     | <10      | <10      | 126      | <10      | 62       |         |
| H098157            |                                   | <20      | 0.12     | <10      | <10      | 30       | <10      | 53       |         |
| H098158            |                                   | <20      | 0.05     | <10      | <10      | 41       | <10      | 2330     | 120     |
| H098159            |                                   | <20      | 0.13     | <10      | <10      | 78       | <10      | 70       |         |
| H098160            |                                   | <20      | 0.10     | <10      | <10      | 38       | <10      | 38       |         |



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 Finalized Date: 23-JUN-2008  
 Account: RRR

Project: OFF LAKE

**CERTIFICATE OF ANALYSIS TB08076421**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21<br>Recvd Wt.<br>kg | Au-AA23<br>Au<br>ppm | ME-ICP41<br>Ag<br>ppm | ME-ICP41<br>Al<br>% | ME-ICP41<br>As<br>ppm | ME-ICP41<br>B<br>ppm | ME-ICP41<br>Ba<br>ppm | ME-ICP41<br>Be<br>ppm | ME-ICP41<br>Bi<br>ppm | ME-ICP41<br>Ca<br>% | ME-ICP41<br>Cd<br>ppm | ME-ICP41<br>Co<br>ppm | ME-ICP41<br>Cr<br>ppm | ME-ICP41<br>Cu<br>ppm | ME-ICP41<br>Fe<br>% |
|--------------------|-----------------------------------|---------------------------|----------------------|-----------------------|---------------------|-----------------------|----------------------|-----------------------|-----------------------|-----------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|
|                    |                                   | 0.02                      | 0.005                | 0.2                   | 0.01                | 2                     | 10                   | 10                    | 0.5                   | 2                     | 0.01                | 0.5                   | 1                     | 1                     | 1                     | 0.01                |
|                    |                                   | 0.70                      | 0.006                | <0.2                  | 0.61                | 2                     | <10                  | 110                   | <0.5                  | <2                    | 0.68                | <0.5                  | 4                     | 8                     | 11                    | 0.96                |
|                    |                                   | 0.93                      | 0.065                | 3.2                   | 1.73                | 8                     | <10                  | 50                    | <0.5                  | 5                     | 0.59                | <0.5                  | 42                    | 42                    | 869                   | 5.28                |
|                    |                                   | 0.85                      | 0.039                | 2.5                   | 1.43                | <2                    | <10                  | 20                    | <0.5                  | 3                     | 0.61                | <0.5                  | 71                    | 1                     | 1420                  | 7.82                |
|                    |                                   | 0.62                      | 0.010                | 0.3                   | 2.33                | <2                    | <10                  | 10                    | <0.5                  | 4                     | 1.51                | <0.5                  | 27                    | 27                    | 46                    | 5.02                |
|                    |                                   | 0.69                      | 0.081                | 3.0                   | 0.58                | 2                     | <10                  | 30                    | <0.5                  | 3                     | 0.35                | <0.5                  | 29                    | 2                     | 2830                  | 4.52                |
|                    |                                   | 0.90                      | 0.007                | 0.7                   | 1.10                | <2                    | <10                  | 110                   | <0.5                  | <2                    | 0.98                | <0.5                  | 6                     | 22                    | 202                   | 1.42                |
|                    |                                   | 0.92                      | 0.009                | 0.4                   | 2.93                | <2                    | <10                  | 40                    | <0.5                  | <2                    | 1.54                | <0.5                  | 35                    | 48                    | 305                   | 7.76                |
|                    |                                   | 0.98                      | 0.007                | <0.2                  | 2.44                | <2                    | <10                  | 20                    | <0.5                  | <2                    | 1.48                | <0.5                  | 27                    | 100                   | 69                    | 3.62                |
|                    |                                   | 1.09                      | 0.008                | 0.3                   | 2.63                | <2                    | <10                  | 180                   | <0.5                  | <2                    | 1.11                | <0.5                  | 31                    | 169                   | 66                    | 4.88                |
| H098170            |                                   | 0.59                      | <0.005               | <0.2                  | 3.32                | <2                    | <10                  | 20                    | <0.5                  | 2                     | 1.47                | <0.5                  | 25                    | 38                    | 34                    | 7.94                |
| H098171            |                                   | 0.67                      | 0.005                | <0.2                  | 1.98                | 2                     | <10                  | 90                    | <0.5                  | <2                    | 0.65                | <0.5                  | 10                    | 4                     | 19                    | 4.73                |
| H098172            |                                   | 0.52                      | <0.005               | <0.2                  | 1.71                | <2                    | <10                  | 40                    | <0.5                  | <2                    | 1.79                | <0.5                  | 19                    | 48                    | 74                    | 2.42                |
| H098173            |                                   | 0.50                      | 0.005                | <0.2                  | 1.44                | <2                    | <10                  | 50                    | <0.5                  | <2                    | 1.06                | <0.5                  | 15                    | 30                    | 22                    | 3.04                |
| H098174            |                                   | 0.66                      | 0.006                | <0.2                  | 1.34                | <2                    | <10                  | 100                   | <0.5                  | 2                     | 1.81                | <0.5                  | 12                    | 3                     | 10                    | 3.09                |
| H098175            |                                   | 0.68                      | 0.005                | <0.2                  | 1.88                | <2                    | <10                  | 20                    | <0.5                  | <2                    | 1.53                | <0.5                  | 14                    | 29                    | 27                    | 4.17                |
| H098176            |                                   | 0.79                      | 0.034                | 0.4                   | 1.61                | <2                    | <10                  | 30                    | <0.5                  | <2                    | 1.29                | <0.5                  | 20                    | 1                     | 156                   | 5.03                |
| H098177            |                                   | 0.83                      | <0.005               | <0.2                  | 1.47                | <2                    | <10                  | 20                    | <0.5                  | <2                    | 1.62                | <0.5                  | 14                    | 26                    | 93                    | 3.48                |
| H098178            |                                   | 0.64                      | 0.007                | <0.2                  | 0.64                | <2                    | <10                  | 30                    | <0.5                  | <2                    | 0.22                | <0.5                  | 4                     | 9                     | 4                     | 1.14                |
| H098179            |                                   | 0.57                      | <0.005               | <0.2                  | 0.01                | <2                    | <10                  | <10                   | <0.5                  | <2                    | 0.01                | <0.5                  | <1                    | 9                     | 1                     | 0.42                |
| H098180            |                                   | 1.27                      | <0.005               | <0.2                  | 3.02                | <2                    | <10                  | 30                    | <0.5                  | <2                    | 1.05                | <0.5                  | 30                    | 69                    | 36                    | 5.06                |



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 Account: RRR

Project: OFF LAKE

**CERTIFICATE OF ANALYSIS TB08076421**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  |
|--------------------|-----------------------------------|-----------|-----------|----------|-----------|----------|-----------|-----------|----------|-----------|----------|-----------|----------|-----------|-----------|
|                    |                                   | Ga<br>ppm | Hg<br>ppm | K<br>%   | La<br>ppm | Mg<br>%  | Mn<br>ppm | Mo<br>ppm | Na<br>%  | Ni<br>ppm | P<br>ppm | Pb<br>ppm | S<br>%   | Sb<br>ppm | Sc<br>ppm |
|                    |                                   | 10        | 1         | 0.01     | 10        | 0.01     | 5         | 1         | 0.01     | 1         | 10       | 2         | 0.01     | 2         | 1         |
|                    |                                   | <10       | <1        | 0.26     | 30        | 0.32     | 157       | <1        | 0.05     | 8         | 490      | 6         | 0.01     | <2        | 1         |
|                    |                                   | 10        | <1        | 0.10     | 10        | 1.38     | 252       | <1        | 0.04     | 61        | 500      | 2         | 3.51     | <2        | 2         |
|                    |                                   | 10        | 1         | 0.07     | 10        | 1.44     | 159       | 31        | 0.03     | 9         | 840      | <2        | 5.39     | <2        | 7         |
|                    |                                   | 10        | <1        | 0.05     | 10        | 1.56     | 396       | 1         | 0.11     | 23        | 850      | <2        | 0.70     | <2        | 8         |
|                    |                                   | <10       | <1        | 0.07     | <10       | 0.52     | 91        | 12        | 0.04     | 22        | 370      | <2        | 3.48     | <2        | 2         |
|                    |                                   | <10       | <1        | 0.42     | 10        | 0.88     | 374       | <1        | 0.06     | 23        | 480      | <2        | 0.35     | <2        | 1         |
|                    |                                   | 10        | <1        | 0.10     | <10       | 1.13     | 766       | <1        | 0.14     | 40        | 740      | <2        | 0.30     | <2        | 8         |
|                    |                                   | 10        | <1        | 0.07     | <10       | 1.41     | 415       | <1        | 0.20     | 71        | 440      | 2         | 0.36     | <2        | 5         |
|                    |                                   | 10        | 1         | 0.44     | 10        | 2.34     | 736       | <1        | 0.09     | 96        | 510      | <2        | 0.47     | <2        | 5         |
| H098170            |                                   | 10        | 1         | 0.07     | 10        | 1.26     | 1395      | <1        | 0.13     | 38        | 820      | <2        | 0.03     | <2        | 12        |
| H098171            |                                   | 10        | <1        | 0.12     | 10        | 0.97     | 707       | <1        | 0.07     | 7         | 1070     | <2        | 0.02     | <2        | 9         |
| H098172            |                                   | <10       | 1         | 0.08     | <10       | 1.05     | 484       | <1        | 0.10     | 38        | 210      | <2        | 0.14     | <2        | 6         |
| H098173            |                                   | <10       | <1        | 0.27     | <10       | 0.98     | 382       | <1        | 0.16     | 33        | 310      | <2        | 0.01     | <2        | 9         |
| H098174            |                                   | 10        | 1         | 0.18     | 10        | 0.66     | 591       | <1        | 0.17     | 5         | 1060     | <2        | 0.02     | <2        | 11        |
| H098175            |                                   | 10        | 1         | 0.11     | 10        | 0.81     | 673       | <1        | 0.18     | 14        | 880      | <2        | 0.01     | <2        | 12        |
| H098176            |                                   | 10        | <1        | 0.18     | <10       | 1.08     | 479       | <1        | 0.13     | 5         | 410      | <2        | 0.10     | <2        | 11        |
| H098177            |                                   | <10       | <1        | 0.09     | <10       | 0.56     | 487       | <1        | 0.17     | 27        | 580      | <2        | 0.02     | <2        | 7         |
| H098178            |                                   | <10       | <1        | 0.08     | 10        | 0.40     | 133       | <1        | 0.06     | 7         | 250      | <2        | <0.01    | <2        | 1         |
| H098179            |                                   | <10       | <1        | <0.01    | <10       | 0.01     | 50        | <1        | 0.01     | 2         | 10       | <2        | <0.01    | <2        | <1        |
| H098180            |                                   | 10        | <1        | 0.06     | <10       | 2.49     | 649       | <1        | 0.12     | 110       | 500      | <2        | 0.02     | <2        | 5         |



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 Account: RRR

Project: OFF LAKE

**CERTIFICATE OF ANALYSIS TB08076421**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Ag-OG46 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|----------|----------|---------|
|                    |                                   | Th       | Ti       | Tl       | U        | V        | W        | Zn       | Ag      |
|                    |                                   | ppm      | %        | ppm      | ppm      | ppm      | ppm      | ppm      | ppm     |
|                    |                                   | 20       | 0.01     | 10       | 10       | 1        | 10       | 2        | 1       |
|                    |                                   | <20      | 0.07     | <10      | <10      | 10       | <10      | 18       |         |
|                    |                                   | <20      | 0.08     | <10      | <10      | 33       | <10      | 63       |         |
|                    |                                   | <20      | 0.48     | <10      | <10      | 80       | <10      | 48       |         |
|                    |                                   | <20      | 0.29     | <10      | <10      | 109      | <10      | 47       |         |
|                    |                                   | <20      | 0.13     | <10      | <10      | 41       | <10      | 24       |         |
|                    |                                   | <20      | 0.07     | <10      | <10      | 21       | <10      | 70       |         |
|                    |                                   | <20      | 0.15     | <10      | <10      | 141      | <10      | 77       |         |
|                    |                                   | <20      | 0.17     | <10      | <10      | 79       | <10      | 57       |         |
| H098170            |                                   | <20      | 0.22     | <10      | <10      | 118      | <10      | 125      |         |
|                    |                                   | <20      | 0.13     | <10      | <10      | 146      | <10      | 131      |         |
| H098171            |                                   | <20      | 0.15     | <10      | <10      | 125      | <10      | 102      |         |
| H098172            |                                   | <20      | 0.12     | <10      | <10      | 52       | <10      | 44       |         |
| H098173            |                                   | <20      | 0.19     | <10      | <10      | 88       | <10      | 28       |         |
| H098174            |                                   | <20      | 0.32     | <10      | <10      | 116      | <10      | 57       |         |
| H098175            |                                   | <20      | 0.17     | <10      | <10      | 126      | <10      | 62       |         |
| H098176            |                                   | <20      | 0.43     | <10      | <10      | 255      | <10      | 36       |         |
| H098177            |                                   | <20      | 0.33     | <10      | <10      | 91       | <10      | 40       |         |
| H098178            |                                   | <20      | 0.05     | <10      | <10      | 14       | <10      | 20       |         |
| H098179            |                                   | <20      | <0.01    | <10      | <10      | 1        | <10      | <2       |         |
| H098180            |                                   | <20      | 0.22     | <10      | <10      | 92       | <10      | 64       |         |



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Page: 1  
Finalized Date: 11-JUL-2008  
Account: RRR

## CERTIFICATE TB08084166

Project: OFF LAKE

P.O. No.:

This report is for 80 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 25-JUN-2008.

The following have access to data associated with this certificate:

CJ BAKER  
NELSON BAKER

NELSON BAKER  
ALLEN RAOUL

CJ BAKER

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION                    |
|----------|--------------------------------|
| WEI-21   | Received Sample Weight         |
| LOG-22   | Sample login - Rcd w/o BarCode |
| CRU-QC   | Crushing QC Test               |
| PUL-QC   | Pulverizing QC Test            |
| CRU-31   | Fine crushing - 70% <2mm       |
| SPL-21   | Split sample - riffle splitter |
| PUL-31   | Pulverize split to 85% <75 um  |

## ANALYTICAL PROCEDURES

| ALS CODE  | DESCRIPTION                   | INSTRUMENT |
|-----------|-------------------------------|------------|
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP         | ICP-AES    |
| ME-ICP41  | 35 Element Aqua Regia ICP-AES | ICP-AES    |
| Au-AA23   | Au 30g FA-AA finish           | AAS        |

To: RAINY RIVER RESOURCES LTD.  
ATTN: ALLEN RAOUL  
P.O.BOX 5, 48 MARION STREET  
ECHO LAKES ESTATE  
EMO ON P0W 1E0

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

  
Colin Ramshaw, Vancouver Laboratory Manager



Project: OFF LAKE

**CERTIFICATE OF ANALYSIS TB08084166**

| Sample Description | Method Analyte Units LOR | WEI-21    | Au-AA23 | PGM-ICP23 | PGM-ICP23 | PGM-ICP23 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |    |
|--------------------|--------------------------|-----------|---------|-----------|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----|
|                    |                          | Recvd Wt. | Au      | Au        | Pt        | Pd        | Ag       | Al       | As       | B        | Ba       | Be       | Bi       | Ca       | Cd       | Co |
|                    |                          | kg        | ppm     | ppm       | ppm       | ppm       | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      |    |
|                    |                          | 0.02      | 0.005   | 0.001     | 0.005     | 0.001     | 0.2      | 0.01     | 2        | 10       | 10       | 0.5      | 2        | 0.01     | 0.5      | 1  |
| H098181            |                          | 0.48      | <0.005  |           |           |           | <0.2     | 3.27     | <2       | <10      | 300      | <0.5     | <2       | 1.72     | <0.5     | 35 |
| H098182            |                          | 0.66      | <0.005  |           |           |           | <0.2     | 0.52     | 2        | <10      | 50       | <0.5     | 2        | 1.32     | <0.5     | 6  |
| H098183            |                          | 0.57      | <0.005  |           |           |           | <0.2     | 1.22     | <2       | <10      | 30       | <0.5     | 2        | 1.50     | <0.5     | 13 |
| H098184            |                          | 0.76      | <0.005  |           |           |           | <0.2     | 0.84     | <2       | <10      | 60       | <0.5     | <2       | 0.27     | <0.5     | 6  |
| H098185            |                          | 0.62      | <0.005  |           |           |           | <0.2     | 1.04     | 2        | <10      | 10       | <0.5     | <2       | 0.93     | <0.5     | 9  |
| H098186            |                          | 0.87      | <0.005  |           |           |           | <0.2     | 1.19     | <2       | <10      | 20       | <0.5     | <2       | 1.35     | <0.5     | 11 |
| H098187            |                          | 0.92      | <0.005  |           |           |           | <0.2     | 1.35     | <2       | <10      | 290      | <0.5     | <2       | 0.37     | <0.5     | 8  |
| H098188            |                          | 0.79      | 0.012   |           |           |           | <0.2     | 1.26     | <2       | <10      | 10       | <0.5     | <2       | 0.99     | <0.5     | 19 |
| H098189            |                          | 0.82      | <0.005  |           |           |           | <0.2     | 1.08     | <2       | <10      | 40       | <0.5     | <2       | 0.99     | <0.5     | 10 |
| H098190            |                          | 0.44      | <0.005  |           |           |           | <0.2     | 0.99     | 2        | <10      | 10       | <0.5     | <2       | 1.06     | <0.5     | 10 |
| H098191            |                          | 0.48      | 0.007   |           |           |           | <0.2     | 0.91     | 2        | <10      | 50       | <0.5     | 3        | 0.79     | <0.5     | 13 |
| H098192            |                          | 0.68      |         | <0.001    | <0.005    | 0.002     | <0.2     | 2.42     | <2       | <10      | 10       | <0.5     | <2       | 0.82     | <0.5     | 24 |
| H098193            |                          | 0.93      | <0.005  |           |           |           | <0.2     | 0.42     | <2       | <10      | 10       | <0.5     | 2        | 0.88     | <0.5     | 4  |
| H098194            |                          | 0.83      | <0.005  |           |           |           | <0.2     | 0.72     | <2       | <10      | 100      | <0.5     | <2       | 0.16     | <0.5     | 5  |
| H098195            |                          | 0.77      | <0.005  |           |           |           | <0.2     | 2.16     | <2       | <10      | 10       | <0.5     | <2       | 0.86     | <0.5     | 19 |
| H098196            |                          | 0.50      | <0.005  |           |           |           | <0.2     | 1.72     | 3        | <10      | 10       | <0.5     | <2       | 0.33     | <0.5     | 17 |
| H098197            |                          | 0.64      | <0.005  |           |           |           | <0.2     | 3.30     | <2       | <10      | 20       | <0.5     | <2       | 2.90     | <0.5     | 30 |
| H098198            |                          | 1.25      | <0.005  |           |           |           | <0.2     | 0.39     | <2       | <10      | <10      | <0.5     | 2        | 0.77     | <0.5     | 2  |
| H098199            |                          | 0.65      | <0.005  |           |           |           | <0.2     | 1.46     | <2       | <10      | 20       | <0.5     | <2       | 1.12     | <0.5     | 13 |
| H098200            |                          | 1.01      |         | <0.001    | 0.006     | 0.002     | <0.2     | 0.84     | <2       | <10      | 50       | <0.5     | <2       | 0.36     | <0.5     | 5  |
| H098201            |                          | 1.40      | <0.005  |           |           |           | <0.2     | 0.66     | <2       | <10      | 10       | <0.5     | 2        | 0.93     | <0.5     | 7  |
| H098202            |                          | 0.62      | <0.005  |           |           |           | <0.2     | 0.57     | <2       | <10      | 50       | <0.5     | 2        | 0.22     | <0.5     | 4  |
| H098203            |                          | 1.02      | <0.005  |           |           |           | <0.2     | 0.62     | 2        | <10      | 20       | <0.5     | 2        | 0.33     | <0.5     | 5  |
| H098204            |                          | 0.56      | <0.005  |           |           |           | <0.2     | 2.75     | 2        | <10      | 30       | <0.5     | 4        | 0.60     | <0.5     | 30 |
| H098205            |                          | 0.42      | <0.005  |           |           |           | <0.2     | 1.89     | <2       | <10      | 130      | <0.5     | <2       | 1.33     | <0.5     | 13 |
| H098206            |                          | 0.39      | <0.005  |           |           |           | <0.2     | 2.24     | 4        | <10      | 80       | <0.5     | 2        | 0.76     | <0.5     | 24 |
| H098207            |                          | 0.56      | <0.005  |           |           |           | 0.3      | 2.95     | <2       | <10      | 70       | <0.5     | 4        | 0.84     | <0.5     | 36 |
| H098208            |                          | 0.54      | <0.005  |           |           |           | 0.2      | 0.51     | 2        | <10      | <10      | <0.5     | 2        | 0.11     | <0.5     | 5  |
| H098209            |                          | 0.77      | <0.005  |           |           |           | <0.2     | 3.30     | 2        | <10      | 20       | <0.5     | 5        | 0.93     | <0.5     | 31 |
| H098210            |                          | 1.08      | 0.011   |           |           |           | 0.2      | 1.58     | <2       | <10      | 10       | <0.5     | 4        | 1.60     | <0.5     | 15 |
| H098211            |                          | 0.70      | <0.005  |           |           |           | <0.2     | 2.18     | <2       | <10      | 20       | <0.5     | 3        | 0.76     | <0.5     | 20 |
| H098212            |                          | 0.82      | <0.005  |           |           |           | 0.3      | 0.12     | 2        | <10      | 10       | <0.5     | 3        | 0.03     | <0.5     | 17 |
| H098213            |                          | 0.80      | <0.005  |           |           |           | <0.2     | 0.60     | <2       | <10      | 40       | <0.5     | 2        | 1.41     | <0.5     | 4  |
| H098214            |                          | 0.74      | <0.005  |           |           |           | <0.2     | 0.91     | <2       | <10      | 50       | <0.5     | 2        | 0.16     | <0.5     | 5  |
| H098215            |                          | 1.16      | <0.005  |           |           |           | 0.2      | 1.07     | 8        | <10      | 60       | <0.5     | 4        | 0.78     | <0.5     | 9  |
| H098216            |                          | 0.92      | 0.021   |           |           |           | 0.2      | 1.03     | <2       | <10      | 200      | <0.5     | 3        | 0.83     | <0.5     | 12 |
| H098217            |                          | 0.90      | <0.005  |           |           |           | <0.2     | 0.67     | 2        | <10      | 90       | <0.5     | 2        | 0.38     | <0.5     | 5  |
| H098218            |                          | 0.81      | 0.009   |           |           |           | <0.2     | 0.39     | <2       | <10      | 100      | <0.5     | 2        | 1.17     | <0.5     | 5  |
| H098219            |                          | 1.04      | 0.017   |           |           |           | 0.5      | 1.30     | <2       | <10      | 20       | <0.5     | 6        | 0.82     | <0.5     | 23 |
| H098220            |                          | 1.02      | <0.005  |           |           |           | <0.2     | 0.60     | 2        | <10      | 40       | <0.5     | 3        | 0.36     | <0.5     | 6  |



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 Finalized Date: 11-JUL-2008  
 Account: RRR

Project: OFF LAKE

**CERTIFICATE OF ANALYSIS TB08084166**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  |        |
|--------------------|-----------------------------------|-----------|-----------|----------|-----------|-----------|----------|-----------|----------|-----------|-----------|----------|-----------|----------|-----------|--------|
|                    |                                   | Cr<br>ppm | Cu<br>ppm | Fe<br>%  | Ga<br>ppm | Hg<br>ppm | K<br>%   | La<br>ppm | Mg<br>%  | Mn<br>ppm | Mo<br>ppm | Na<br>%  | Ni<br>ppm | P<br>ppm | Pb<br>ppm | S<br>% |
| H098181            |                                   | 1         | 29        | 4.32     | 10        | 1         | 0.42     | 10        | 2.80     | 483       | 5         | 0.46     | 16        | 880      | <2        | 0.07   |
| H098182            |                                   | 14        | 24        | 0.90     | <10       | 1         | 0.28     | 10        | 0.39     | 263       | <1        | 0.04     | 14        | 420      | 2         | 0.23   |
| H098183            |                                   | 19        | 70        | 3.24     | <10       | 1         | 0.08     | <10       | 0.38     | 537       | <1        | 0.16     | 19        | 760      | <2        | 0.02   |
| H098184            |                                   | 6         | 1         | 1.59     | <10       | 1         | 0.37     | 10        | 0.43     | 255       | <1        | 0.07     | 5         | 380      | <2        | <0.01  |
| H098185            |                                   | 12        | 24        | 2.38     | <10       | 1         | 0.04     | <10       | 0.62     | 264       | <1        | 0.11     | 11        | 730      | <2        | <0.01  |
| H098186            |                                   | 31        | 1         | 2.84     | <10       | 1         | 0.14     | <10       | 0.42     | 549       | <1        | 0.16     | 21        | 930      | <2        | <0.01  |
| H098187            |                                   | 38        | 3         | 2.29     | 10        | 2         | 0.87     | 10        | 0.84     | 223       | <1        | 0.06     | 18        | 320      | <2        | <0.01  |
| H098188            |                                   | 36        | 54        | 2.80     | <10       | 1         | 0.08     | <10       | 0.68     | 443       | <1        | 0.08     | 38        | 560      | <2        | 0.01   |
| H098189            |                                   | 19        | 86        | 2.47     | 10        | 1         | 0.12     | 10        | 0.65     | 389       | <1        | 0.06     | 14        | 380      | <2        | 0.01   |
| H098190            |                                   | 18        | 51        | 2.26     | <10       | 1         | 0.03     | <10       | 0.50     | 316       | 1         | 0.09     | 18        | 620      | <2        | 0.01   |
| H098191            |                                   | 13        | 152       | 1.71     | <10       | 1         | 0.26     | 20        | 0.47     | 280       | <1        | 0.05     | 13        | 650      | <2        | 0.13   |
| H098192            |                                   | 43        | 19        | 4.91     | 10        | 1         | 0.03     | <10       | 1.73     | 568       | <1        | 0.08     | 36        | 550      | <2        | 0.02   |
| H098193            |                                   | 22        | 9         | 0.45     | <10       | 1         | 0.02     | <10       | 0.29     | 105       | <1        | 0.02     | 8         | 110      | <2        | 0.01   |
| H098194            |                                   | 7         | 7         | 1.41     | <10       | 1         | 0.35     | <10       | 0.35     | 128       | <1        | 0.07     | 1         | 260      | <2        | 0.01   |
| H098195            |                                   | 18        | 31        | 4.60     | 10        | 1         | 0.03     | <10       | 1.47     | 479       | <1        | 0.09     | 17        | 680      | <2        | 0.03   |
| H098196            |                                   | 441       | 1         | 2.16     | 10        | 1         | 0.02     | 20        | 2.06     | 309       | <1        | 0.01     | 261       | 800      | <2        | <0.01  |
| H098197            |                                   | 66        | 5         | 5.84     | 10        | 1         | 0.06     | 10        | 2.83     | 764       | <1        | 0.03     | 40        | 520      | <2        | <0.01  |
| H098198            |                                   | 18        | 14        | 0.37     | <10       | 1         | 0.02     | <10       | 0.23     | 71        | <1        | 0.02     | 6         | 120      | <2        | <0.01  |
| H098199            |                                   | 31        | 39        | 2.77     | <10       | 1         | 0.07     | <10       | 0.84     | 317       | <1        | 0.13     | 24        | 660      | <2        | 0.04   |
| H098200            |                                   | 9         | 9         | 1.51     | 10        | 1         | 0.11     | 10        | 0.47     | 105       | <1        | 0.05     | 5         | 400      | <2        | 0.01   |
| H098201            |                                   | 6         | 47        | 1.49     | <10       | 1         | 0.02     | <10       | 0.42     | 278       | <1        | 0.09     | 8         | 390      | <2        | 0.01   |
| H098202            |                                   | 11        | 9         | 0.93     | <10       | 1         | 0.25     | <10       | 0.37     | 97        | 1         | 0.06     | 6         | 240      | <2        | 0.02   |
| H098203            |                                   | 14        | 8         | 1.10     | <10       | 1         | 0.07     | 10        | 0.52     | 128       | <1        | 0.03     | 10        | 310      | <2        | 0.01   |
| H098204            |                                   | 870       | 9         | 3.78     | 10        | <1        | 0.12     | 10        | 4.14     | 448       | <1        | <0.01    | 312       | 1400     | <2        | 0.01   |
| H098205            |                                   | 58        | 74        | 3.92     | 10        | 1         | 0.40     | 10        | 0.64     | 333       | <1        | 0.21     | 33        | 1580     | 2         | 0.52   |
| H098206            |                                   | 70        | 99        | 3.79     | <10       | <1        | 0.04     | <10       | 1.66     | 392       | <1        | 0.05     | 70        | 470      | <2        | 0.07   |
| H098207            |                                   | 87        | 55        | 5.02     | 10        | <1        | 0.02     | <10       | 2.51     | 611       | <1        | 0.05     | 117       | 470      | <2        | 0.06   |
| H098208            |                                   | 24        | 4         | 1.03     | <10       | <1        | <0.01    | <10       | 0.40     | 145       | <1        | <0.01    | 15        | 110      | <2        | 0.03   |
| H098209            |                                   | 68        | 8         | 5.32     | 10        | <1        | 0.02     | 10        | 2.77     | 747       | <1        | 0.01     | 97        | 380      | <2        | 0.03   |
| H098210            |                                   | 30        | 93        | 3.80     | <10       | <1        | 0.07     | <10       | 0.50     | 463       | <1        | 0.11     | 26        | 770      | <2        | 0.03   |
| H098211            |                                   | 45        | 38        | 3.81     | 10        | <1        | 0.04     | <10       | 1.68     | 448       | <1        | 0.08     | 60        | 540      | <2        | 0.01   |
| H098212            |                                   | 12        | 51        | 2.78     | <10       | <1        | 0.02     | <10       | 0.04     | 63        | <1        | <0.01    | 23        | 40       | <2        | 1.87   |
| H098213            |                                   | 5         | 21        | 1.22     | <10       | <1        | 0.11     | 20        | 0.24     | 248       | <1        | 0.02     | 3         | 380      | <2        | 0.04   |
| H098214            |                                   | 15        | <1        | 1.42     | 10        | <1        | 0.72     | 10        | 0.79     | 174       | <1        | 0.04     | 7         | 330      | <2        | 0.02   |
| H098215            |                                   | 55        | 17        | 1.67     | 10        | <1        | 0.19     | 30        | 0.83     | 280       | <1        | 0.02     | 38        | 920      | 7         | 0.04   |
| H098216            |                                   | 46        | 74        | 1.77     | <10       | <1        | 0.64     | 30        | 1.02     | 256       | <1        | 0.05     | 30        | 1100     | <2        | 0.16   |
| H098217            |                                   | 12        | 1         | 0.97     | <10       | <1        | 0.42     | 10        | 0.50     | 134       | <1        | 0.03     | 10        | 370      | <2        | 0.05   |
| H098218            |                                   | 10        | 3         | 0.66     | <10       | 1         | 0.20     | 10        | 0.24     | 313       | 2         | 0.02     | 7         | 350      | <2        | 0.12   |
| H098219            |                                   | 62        | 149       | 5.49     | <10       | <1        | 0.13     | <10       | 1.17     | 378       | 1         | 0.04     | 32        | 550      | <2        | 0.04   |
| H098220            |                                   | 13        | 3         | 0.96     | <10       | <1        | 0.18     | 10        | 0.47     | 163       | <1        | 0.03     | 9         | 370      | <2        | 0.01   |





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## CERTIFICATE OF ANALYSIS TB08084166

| Sample Description | Method  | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |    |
|--------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----|
|                    | Analyte | Sb       | Sc       | Sr       | Th       | Ti       | Ti       | U        | V        | W        |    |
| Units              |         | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      |    |
| LOR                |         | 2        | 1        | 1        | 20       | 0.01     | 10       | 10       | 1        | 10       | 2  |
| H098181            |         | <2       | 1        | 272      | <20      | 0.07     | <10      | <10      | 56       | <10      | 42 |
| H098182            |         | <2       | 1        | 34       | <20      | 0.06     | <10      | <10      | 8        | <10      | 40 |
| H098183            |         | <2       | 8        | 8        | <20      | 0.21     | <10      | <10      | 83       | <10      | 37 |
| H098184            |         | <2       | 1        | 28       | <20      | 0.13     | <10      | <10      | 22       | <10      | 41 |
| H098185            |         | <2       | 5        | 4        | <20      | 0.10     | <10      | <10      | 61       | <10      | 32 |
| H098186            |         | <2       | 11       | 10       | <20      | 0.17     | <10      | <10      | 124      | <10      | 42 |
| H098187            |         | <2       | 2        | 18       | <20      | 0.13     | <10      | <10      | 38       | <10      | 42 |
| H098188            |         | <2       | 6        | 20       | <20      | 0.23     | <10      | <10      | 77       | <10      | 52 |
| H098189            |         | <2       | 2        | 21       | <20      | 0.16     | <10      | <10      | 47       | <10      | 65 |
| H098190            |         | <2       | 4        | 15       | <20      | 0.22     | <10      | <10      | 52       | <10      | 28 |
| H098191            |         | <2       | 2        | 15       | <20      | 0.13     | <10      | <10      | 15       | <10      | 64 |
| H098192            |         | <2       | 5        | 6        | <20      | 0.19     | <10      | <10      | 96       | <10      | 73 |
| H098193            |         | <2       | 3        | 15       | <20      | 0.06     | <10      | <10      | 15       | <10      | 4  |
| H098194            |         | <2       | 1        | 12       | <20      | 0.10     | <10      | <10      | 20       | <10      | 15 |
| H098195            |         | <2       | 6        | 7        | <20      | 0.18     | <10      | <10      | 90       | <10      | 69 |
| H098196            |         | <2       | <1       | 4        | <20      | 0.06     | <10      | <10      | 27       | <10      | 50 |
| H098197            |         | <2       | 21       | 63       | <20      | 0.09     | <10      | <10      | 189      | <10      | 73 |
| H098198            |         | <2       | 2        | 12       | <20      | 0.10     | <10      | <10      | 16       | <10      | 4  |
| H098199            |         | <2       | 5        | 17       | <20      | 0.13     | <10      | <10      | 58       | <10      | 35 |
| H098200            |         | <2       | 1        | 16       | <20      | 0.08     | <10      | <10      | 23       | <10      | 22 |
| H098201            |         | <2       | 4        | 5        | <20      | 0.18     | <10      | <10      | 47       | <10      | 22 |
| H098202            |         | <2       | 1        | 28       | <20      | 0.10     | <10      | <10      | 20       | <10      | 20 |
| H098203            |         | <2       | 1        | 69       | <20      | 0.09     | <10      | <10      | 18       | <10      | 36 |
| H098204            |         | <2       | 1        | 23       | <20      | 0.20     | <10      | <10      | 73       | <10      | 84 |
| H098205            |         | <2       | 10       | 61       | <20      | 0.24     | <10      | <10      | 98       | <10      | 51 |
| H098206            |         | <2       | 2        | 11       | <20      | 0.14     | <10      | <10      | 53       | <10      | 57 |
| H098207            |         | <2       | 2        | 12       | <20      | 0.18     | <10      | <10      | 63       | <10      | 76 |
| H098208            |         | <2       | <1       | 3        | <20      | 0.02     | <10      | <10      | 15       | <10      | 21 |
| H098209            |         | <2       | 1        | 16       | <20      | 0.14     | <10      | <10      | 77       | <10      | 81 |
| H098210            |         | <2       | 7        | 18       | <20      | 0.29     | <10      | <10      | 92       | <10      | 34 |
| H098211            |         | 2        | 3        | 7        | <20      | 0.16     | <10      | <10      | 69       | <10      | 59 |
| H098212            |         | <2       | <1       | 2        | <20      | 0.01     | <10      | <10      | 3        | <10      | 74 |
| H098213            |         | <2       | <1       | 54       | <20      | <0.01    | <10      | <10      | 2        | <10      | 49 |
| H098214            |         | <2       | 2        | 11       | <20      | 0.12     | <10      | <10      | 28       | <10      | 45 |
| H098215            |         | <2       | 3        | 169      | <20      | 0.15     | <10      | <10      | 25       | <10      | 44 |
| H098216            |         | <2       | 2        | 55       | <20      | 0.14     | <10      | <10      | 35       | <10      | 33 |
| H098217            |         | <2       | <1       | 46       | <20      | 0.09     | <10      | <10      | 9        | <10      | 39 |
| H098218            |         | <2       | 1        | 49       | <20      | 0.04     | <10      | <10      | 7        | <10      | 31 |
| H098219            |         | <2       | 3        | 19       | <20      | 0.31     | <10      | <10      | 142      | 10       | 61 |
| H098220            |         | <2       | 1        | 32       | <20      | 0.08     | <10      | <10      | 9        | <10      | 38 |



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**CERTIFICATE OF ANALYSIS TB08084166**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21          | Au-AA23   | PGM-ICP23 | PGM-ICP23 | PGM-ICP23 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  |           |
|--------------------|-----------------------------------|-----------------|-----------|-----------|-----------|-----------|-----------|----------|-----------|----------|-----------|-----------|-----------|----------|-----------|-----------|
|                    |                                   | Recvd Wt.<br>kg | Au<br>ppm | Au<br>ppm | Pt<br>ppm | Pd<br>ppm | Ag<br>ppm | Al<br>%  | As<br>ppm | B<br>ppm | Ba<br>ppm | Be<br>ppm | Bi<br>ppm | Ca<br>%  | Cd<br>ppm | Co<br>ppm |
|                    |                                   | 0.02            | 0.005     | 0.001     | 0.005     | 0.001     | 0.2       | 0.01     | 2         | 10       | 10        | 0.5       | 2         | 0.01     | 0.5       | 1         |
| H098221            |                                   | 0.74            | <0.005    |           |           |           | 0.2       | 0.44     | 2         | <10      | 20        | <0.5      | 3         | 0.43     | <0.5      | 3         |
| H098222            |                                   | 1.38            | <0.005    |           |           |           | <0.2      | 0.98     | 2         | <10      | 20        | <0.5      | 2         | 0.97     | <0.5      | 12        |
| H098223            |                                   | 1.08            | <0.005    |           |           |           | 0.2       | 1.01     | 3         | <10      | 20        | <0.5      | 2         | 0.44     | <0.5      | 8         |
| H098224            |                                   | 0.60            | <0.005    |           |           |           | <0.2      | 1.22     | 3         | <10      | 130       | <0.5      | 3         | 0.23     | <0.5      | 5         |
| H098225            |                                   | 0.72            | <0.005    |           |           |           | <0.2      | 0.57     | 3         | <10      | 30        | <0.5      | 4         | 0.45     | <0.5      | 10        |
| H098226            |                                   | 0.88            | <0.005    |           |           |           | <0.2      | 1.10     | 2         | <10      | 260       | <0.5      | 4         | 0.14     | <0.5      | 8         |
| H098227            |                                   | 1.30            | <0.005    |           |           |           | <0.2      | 1.16     | <2        | <10      | 120       | <0.5      | 2         | 0.30     | <0.5      | 7         |
| H098228            |                                   | 1.58            | <0.005    |           |           |           | <0.2      | 0.83     | 2         | <10      | 20        | <0.5      | 3         | 1.16     | <0.5      | 11        |
| H098229            |                                   | 0.74            | 0.006     |           |           |           | 2.0       | 1.58     | 2         | <10      | 50        | <0.5      | 3         | 0.89     | <0.5      | 18        |
| H098230            |                                   | 1.05            | <0.005    |           |           |           | <0.2      | 1.25     | 2         | <10      | 100       | <0.5      | 4         | 0.76     | <0.5      | 26        |
| H098231            |                                   | 1.12            | <0.005    |           |           |           | <0.2      | 1.57     | <2        | <10      | 50        | <0.5      | 2         | 1.03     | <0.5      | 20        |
| H098232            |                                   | 0.51            | <0.005    |           |           |           | <0.2      | 1.06     | <2        | <10      | 90        | <0.5      | 2         | 0.31     | <0.5      | 6         |
| H098233            |                                   | 0.35            | <0.005    |           |           |           | <0.2      | 1.44     | 3         | <10      | 100       | <0.5      | 4         | 1.09     | <0.5      | 16        |
| H098234            |                                   | 0.99            | <0.005    |           |           |           | <0.2      | 1.33     | 3         | <10      | 30        | <0.5      | 3         | 0.31     | <0.5      | 11        |
| H098235            |                                   | 1.41            | <0.005    |           |           |           | <0.2      | 0.79     | <2        | <10      | 50        | <0.5      | 3         | 0.19     | <0.5      | 5         |
| H098236            |                                   | 0.59            | <0.005    |           |           |           | <0.2      | 1.10     | 2         | <10      | 110       | <0.5      | 2         | 0.12     | <0.5      | 5         |
| H098237            |                                   | 1.18            | <0.005    |           |           |           | <0.2      | 1.54     | 4         | <10      | 80        | <0.5      | 3         | 1.50     | <0.5      | 31        |
| H098238            |                                   | 1.15            | <0.005    |           |           |           | <0.2      | 0.68     | <2        | <10      | 40        | <0.5      | 2         | 0.13     | <0.5      | 13        |
| H098239            |                                   | 0.62            | <0.005    |           |           |           | <0.2      | 0.68     | <2        | <10      | 40        | <0.5      | 2         | 0.88     | <0.5      | 4         |
| H098240            |                                   | 0.98            | <0.005    |           |           |           | <0.2      | 0.80     | <2        | <10      | 10        | <0.5      | 2         | 0.90     | <0.5      | 3         |
| H098241            |                                   | 0.46            | <0.005    |           |           |           | <0.2      | 3.22     | 2         | <10      | 10        | <0.5      | <2        | 0.87     | <0.5      | 39        |
| ████████           |                                   | 0.92            | <0.005    |           |           |           | <0.2      | 0.93     | <2        | <10      | 50        | <0.5      | 2         | 0.61     | <0.5      | 6         |
| ████████           |                                   | 1.04            | 0.014     |           |           |           | <0.2      | 3.68     | 3         | <10      | 60        | <0.5      | <2        | 3.79     | <0.5      | 31        |
| ████████           |                                   | 0.85            | <0.005    |           |           |           | <0.2      | 0.86     | <2        | <10      | 30        | <0.5      | <2        | 1.12     | <0.5      | 4         |
| ████████           |                                   | 0.59            | <0.005    |           |           |           | <0.2      | 0.79     | 2         | <10      | 20        | <0.5      | 2         | 0.72     | <0.5      | 5         |
| H098246            |                                   | 0.71            | <0.005    |           |           |           | <0.2      | 0.85     | <2        | <10      | 40        | <0.5      | <2        | 0.24     | <0.5      | 6         |
| H098247            |                                   | 0.80            | <0.005    |           |           |           | <0.2      | 0.15     | <2        | <10      | 10        | <0.5      | 3         | 0.05     | <0.5      | 1         |
| H098248            |                                   | 1.30            | <0.005    |           |           |           | <0.2      | 0.85     | <2        | <10      | 20        | <0.5      | 3         | 0.42     | <0.5      | 5         |
| H098249            |                                   | 0.86            | <0.005    |           |           |           | <0.2      | 0.77     | <2        | <10      | 50        | <0.5      | 2         | 0.20     | <0.5      | 5         |
| H098250            |                                   | 0.50            | <0.005    |           |           |           | <0.2      | 1.04     | <2        | <10      | 50        | <0.5      | 2         | 0.22     | <0.5      | 5         |
| H098251            |                                   | 0.95            | <0.005    |           |           |           | <0.2      | 0.82     | <2        | <10      | 50        | <0.5      | <2        | 0.29     | <0.5      | 6         |
| H098252            |                                   | 0.83            | <0.005    |           |           |           | <0.2      | 0.95     | <2        | <10      | 70        | <0.5      | <2        | 0.16     | <0.5      | 5         |
| H098253            |                                   | 0.68            | <0.005    |           |           |           | <0.2      | 1.09     | 2         | <10      | 50        | <0.5      | <2        | 0.24     | <0.5      | 5         |
| ████████           |                                   | 0.57            | <0.005    |           |           |           | <0.2      | 0.91     | 2         | <10      | 50        | <0.5      | 3         | 0.22     | <0.5      | 7         |
| ████████           |                                   | 0.89            | <0.005    |           |           |           | <0.2      | 0.31     | <2        | <10      | 30        | <0.5      | 2         | 0.18     | <0.5      | 1         |
| ████████           |                                   | 1.16            | <0.005    |           |           |           | <0.2      | 1.01     | <2        | <10      | 60        | <0.5      | <2        | 0.17     | <0.5      | 6         |
| ████████           |                                   | 0.76            | <0.005    |           |           |           | <0.2      | 0.36     | <2        | <10      | 30        | <0.5      | 2         | 0.13     | <0.5      | 2         |
| ████████           |                                   | 1.16            | <0.005    |           |           |           | <0.2      | 0.92     | <2        | <10      | <10       | <0.5      | 2         | 0.05     | <0.5      | 2         |
| ████████           |                                   | 1.17            | <0.005    |           |           |           | <0.2      | 0.44     | <2        | <10      | 10        | <0.5      | 3         | 0.05     | <0.5      | 1         |
| ████████           |                                   | 0.38            | <0.005    |           |           |           | <0.2      | 0.29     | <2        | <10      | 20        | <0.5      | 2         | 0.07     | <0.5      | 1         |



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 Total # Pages: 3 (A - C)  
 Finalized Date: 11-JUL-2008  
 Account: RRR

Project: OFF LAKE

**CERTIFICATE OF ANALYSIS TB08084166**

| Sample Description | Method  | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |       |
|--------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------|
|                    | Analyte | Cr       | Cu       | Fe       | Ga       | Hg       | K        | La       | Mg       | Mn       | Mo       | Na       | Ni       | P        | Pb       |       |
| Units              |         | ppm      | ppm      | %        | ppm      | ppm      | %        | ppm      | %        | ppm      | ppm      | %        | ppm      | ppm      | ppm      |       |
| LOR                |         | 1        | 1        | 0.01     | 10       | 1        | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        |       |
|                    |         | S        |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| H098221            |         | 11       | 6        | 0.56     | <10      | <1       | 0.14     | 10       | 0.18     | 191      | <1       | 0.03     | 3        | 360      | 2        | 0.02  |
| H098222            |         | 92       | 13       | 1.97     | <10      | <1       | 0.10     | <10      | 0.74     | 440      | <1       | 0.09     | 46       | 200      | <2       | 0.02  |
| H098223            |         | 45       | 21       | 1.81     | <10      | <1       | 0.07     | 30       | 0.65     | 325      | <1       | 0.02     | 32       | 470      | 7        | 0.02  |
| H098224            |         | 17       | 10       | 2.52     | 10       | <1       | 0.91     | 10       | 0.49     | 392      | <1       | 0.04     | 8        | 290      | <2       | 0.05  |
| H098225            |         | 75       | 2        | 1.05     | <10      | <1       | 0.09     | <10      | 0.57     | 298      | <1       | 0.05     | 23       | 130      | <2       | 0.03  |
| H098226            |         | 14       | 7        | 1.77     | <10      | <1       | 0.66     | <10      | 0.76     | 239      | <1       | 0.04     | 7        | 270      | <2       | 0.03  |
| H098227            |         | 16       | 23       | 1.89     | <10      | <1       | 0.81     | 10       | 0.87     | 353      | <1       | 0.04     | 9        | 360      | <2       | 0.16  |
| H098228            |         | 85       | 8        | 1.46     | <10      | <1       | 0.05     | <10      | 0.84     | 345      | 2        | 0.05     | 21       | 270      | <2       | 0.04  |
| H098229            |         | 141      | 180      | 2.99     | <10      | <1       | 0.05     | <10      | 1.16     | 552      | 2        | 0.04     | 67       | 330      | <2       | 0.10  |
| H098230            |         | 200      | 45       | 2.46     | 10       | <1       | 0.25     | <10      | 0.90     | 545      | <1       | 0.05     | 76       | 230      | <2       | 0.11  |
| H098231            |         | 168      | 5        | 2.93     | <10      | <1       | 0.14     | <10      | 1.29     | 709      | 1        | 0.06     | 55       | 70       | <2       | <0.01 |
| H098232            |         | 10       | 9        | 1.68     | 10       | <1       | 0.26     | 10       | 1.03     | 242      | <1       | 0.03     | 6        | 260      | <2       | 0.03  |
| H098233            |         | 76       | <1       | 2.35     | <10      | <1       | 0.28     | 30       | 1.57     | 336      | <1       | 0.05     | 80       | 1580     | <2       | <0.01 |
| H098234            |         | 15       | 5        | 2.61     | 10       | <1       | 0.14     | 10       | 1.12     | 287      | <1       | 0.04     | 13       | 370      | <2       | 0.02  |
| H098235            |         | 10       | 13       | 1.40     | <10      | <1       | 0.51     | 10       | 0.49     | 224      | <1       | 0.03     | 6        | 410      | <2       | 0.03  |
| H098236            |         | 12       | 1        | 1.51     | 10       | <1       | 0.64     | <10      | 0.88     | 254      | <1       | 0.03     | 5        | 230      | <2       | 0.03  |
| H098237            |         | 27       | 42       | 3.80     | 10       | <1       | 0.36     | <10      | 0.94     | 625      | <1       | 0.13     | 18       | 750      | <2       | 0.26  |
| H098238            |         | 16       | 68       | 2.02     | <10      | <1       | 0.16     | <10      | 0.52     | 238      | <1       | <0.01    | 17       | 50       | <2       | 0.11  |
| H098239            |         | 6        | 13       | 1.25     | <10      | 1        | 0.41     | 10       | 0.24     | 311      | <1       | 0.03     | 7        | 360      | <2       | 0.04  |
| H098240            |         | 6        | 11       | 1.74     | <10      | 1        | 0.06     | 10       | 0.51     | 458      | 2        | 0.03     | 5        | 370      | 2        | 0.18  |
| H098241            |         | 103      | 22       | 5.28     | <10      | 1        | 0.01     | <10      | 2.32     | 1525     | <1       | 0.02     | 77       | 240      | <2       | 0.01  |
|                    |         | 8        | 24       | 1.48     | <10      | 1        | 0.18     | 10       | 0.63     | 315      | <1       | 0.03     | 7        | 350      | 5        | 0.15  |
|                    |         | 196      | 248      | 4.70     | 10       | 1        | 0.35     | <10      | 3.21     | 1635     | <1       | 0.02     | 60       | 250      | <2       | 0.02  |
|                    |         | 3        | 2        | 1.21     | <10      | 1        | 0.11     | 10       | 0.54     | 218      | <1       | 0.03     | 3        | 350      | <2       | 0.03  |
|                    |         | 7        | 19       | 1.16     | <10      | 1        | 0.16     | 10       | 0.44     | 188      | <1       | 0.03     | 7        | 390      | <2       | 0.01  |
| H098246            |         | 14       | 1        | 1.27     | <10      | 1        | 0.18     | 10       | 0.71     | 173      | <1       | 0.05     | 8        | 310      | <2       | 0.01  |
| H098247            |         | 12       | 2        | 0.39     | <10      | 2        | 0.03     | <10      | 0.09     | 52       | <1       | 0.02     | 2        | 70       | <2       | <0.01 |
| H098248            |         | 16       | 1        | 1.12     | <10      | 1        | 0.05     | 10       | 0.74     | 126      | <1       | 0.04     | 8        | 320      | <2       | 0.01  |
| H098249            |         | 13       | 1        | 1.20     | <10      | 2        | 0.47     | 10       | 0.56     | 115      | <1       | 0.07     | 8        | 380      | <2       | 0.01  |
| H098250            |         | 14       | 26       | 1.42     | <10      | 1        | 0.76     | 10       | 0.79     | 354      | <1       | 0.06     | 12       | 410      | <2       | 0.01  |
| H098251            |         | 16       | <1       | 1.34     | <10      | 2        | 0.53     | 10       | 0.58     | 151      | <1       | 0.06     | 8        | 340      | <2       | 0.01  |
| H098252            |         | 18       | 5        | 1.32     | <10      | 1        | 0.72     | 10       | 0.68     | 203      | <1       | 0.06     | 8        | 270      | <2       | 0.01  |
| H098253            |         | 14       | 1        | 1.45     | <10      | 1        | 0.82     | 10       | 0.72     | 196      | <1       | 0.04     | 9        | 330      | <2       | 0.01  |
|                    |         | 9        | 9        | 1.62     | <10      | 1        | 0.36     | 10       | 0.59     | 243      | <1       | 0.04     | 6        | 390      | <2       | 0.01  |
|                    |         | 9        | 1        | 0.52     | <10      | 1        | 0.16     | 10       | 0.15     | 139      | <1       | 0.05     | 2        | 100      | 7        | 0.01  |
|                    |         | 15       | 3        | 1.76     | <10      | 1        | 0.76     | <10      | 0.58     | 229      | <1       | 0.06     | 8        | 350      | <2       | 0.02  |
|                    |         | 8        | 1        | 0.64     | <10      | 1        | 0.11     | <10      | 0.19     | 130      | <1       | 0.05     | 3        | 180      | 2        | 0.01  |
|                    |         | 8        | <1       | 0.69     | 10       | 1        | 0.01     | 10       | 1.38     | 148      | <1       | 0.07     | 3        | 180      | <2       | 0.01  |
|                    |         | 9        | 1        | 0.67     | <10      | 1        | 0.05     | <10      | 0.30     | 117      | <1       | 0.06     | 3        | 230      | <2       | 0.01  |
|                    |         | 8        | 2        | 0.58     | <10      | 1        | 0.05     | <10      | 0.14     | 91       | <1       | 0.05     | 2        | 260      | 2        | 0.01  |



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 Finalized Date: 11-JUL-2008  
 Account: RRR

Project: OFF LAKE

**CERTIFICATE OF ANALYSIS TB08084166**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41       | ME-ICP41       | ME-ICP41       | ME-ICP41        | ME-ICP41        | ME-ICP41        | ME-ICP41       | ME-ICP41      | ME-ICP41       |                |
|--------------------|-----------------------------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|---------------|----------------|----------------|
|                    |                                   | Sb<br>ppm<br>2 | Sc<br>ppm<br>1 | Sr<br>ppm<br>1 | Th<br>ppm<br>20 | Ti<br>%<br>0.01 | Tl<br>ppm<br>10 | U<br>ppm<br>10 | V<br>ppm<br>1 | W<br>ppm<br>10 | Zn<br>ppm<br>2 |
| H098221            |                                   | <2             | 1              | 19             | <20             | 0.08            | <10             | <10            | 12            | <10            | 30             |
| H098222            |                                   | <2             | 7              | 8              | <20             | 0.09            | <10             | <10            | 45            | <10            | 20             |
| H098223            |                                   | <2             | 1              | 33             | <20             | 0.10            | <10             | <10            | 22            | <10            | 24             |
| H098224            |                                   | <2             | 2              | 7              | <20             | 0.15            | <10             | <10            | 27            | <10            | 27             |
| H098225            |                                   | <2             | 3              | 6              | <20             | 0.11            | <10             | <10            | 34            | <10            | 13             |
| H098226            |                                   | <2             | 2              | 10             | <20             | 0.13            | <10             | <10            | 33            | <10            | 25             |
| H098227            |                                   | <2             | 2              | 12             | <20             | 0.14            | <10             | <10            | 33            | <10            | 40             |
| H098228            |                                   | <2             | 5              | 7              | <20             | 0.12            | <10             | <10            | 48            | <10            | 20             |
| H098229            |                                   | <2             | 4              | 25             | <20             | 0.10            | <10             | <10            | 54            | <10            | 23             |
| H098230            |                                   | <2             | 4              | 15             | <20             | 0.14            | <10             | <10            | 57            | <10            | 24             |
| H098231            |                                   | <2             | 5              | 10             | <20             | 0.13            | <10             | <10            | 59            | <10            | 34             |
| H098232            |                                   | <2             | 2              | 19             | <20             | 0.10            | <10             | <10            | 31            | <10            | 44             |
| H098233            |                                   | <2             | 3              | 45             | <20             | 0.19            | <10             | <10            | 44            | <10            | 57             |
| H098234            |                                   | <2             | 4              | 11             | <20             | 0.17            | <10             | <10            | 43            | <10            | 54             |
| H098235            |                                   | <2             | 1              | 6              | <20             | 0.07            | <10             | <10            | 18            | <10            | 41             |
| H098236            |                                   | <2             | 2              | 5              | <20             | 0.10            | <10             | <10            | 27            | <10            | 30             |
| H098237            |                                   | <2             | 8              | 18             | <20             | 0.25            | <10             | <10            | 115           | <10            | 26             |
| H098238            |                                   | <2             | 1              | 3              | <20             | 0.10            | <10             | <10            | 35            | <10            | 13             |
| H098239            |                                   | <2             | 1              | 12             | <20             | 0.06            | <10             | <10            | 10            | <10            | 68             |
| H098240            |                                   | <2             | <1             | 10             | <20             | 0.02            | <10             | <10            | 9             | <10            | 53             |
| H098241            |                                   | <2             | 4              | 13             | <20             | 0.08            | <10             | <10            | 92            | <10            | 62             |
| ██████████         |                                   | <2             | <1             | 8              | <20             | 0.06            | <10             | <10            | 12            | <10            | 52             |
| ██████████         |                                   | <2             | 5              | 78             | <20             | 0.17            | <10             | <10            | 105           | <10            | 201            |
| ██████████         |                                   | <2             | <1             | 18             | <20             | <0.01           | <10             | <10            | 4             | <10            | 40             |
| ██████████         |                                   | <2             | 1              | 26             | <20             | 0.04            | <10             | <10            | 7             | <10            | 39             |
| H098246            |                                   | <2             | 1              | 29             | <20             | 0.08            | <10             | <10            | 21            | <10            | 45             |
| H098247            |                                   | <2             | <1             | 10             | <20             | 0.01            | <10             | <10            | 3             | <10            | 8              |
| H098248            |                                   | <2             | 1              | 80             | <20             | 0.08            | <10             | <10            | 17            | <10            | 31             |
| H098249            |                                   | <2             | 1              | 25             | <20             | 0.10            | <10             | <10            | 23            | <10            | 27             |
| H098250            |                                   | <2             | 1              | 24             | <20             | 0.12            | <10             | <10            | 29            | <10            | 74             |
| H098251            |                                   | <2             | 1              | 31             | <20             | 0.12            | <10             | <10            | 24            | <10            | 36             |
| H098252            |                                   | <2             | 1              | 11             | <20             | 0.11            | <10             | <10            | 22            | <10            | 52             |
| H098253            |                                   | <2             | 1              | 14             | <20             | 0.11            | <10             | <10            | 20            | <10            | 63             |
| ██████████         |                                   | <2             | 1              | 27             | <20             | 0.10            | <10             | <10            | 16            | <10            | 58             |
| ██████████         |                                   | <2             | <1             | 22             | <20             | 0.03            | <10             | <10            | 4             | <10            | 21             |
| ██████████         |                                   | <2             | 1              | 20             | <20             | 0.15            | <10             | <10            | 36            | <10            | 54             |
| ██████████         |                                   | <2             | <1             | 27             | <20             | 0.03            | <10             | <10            | 7             | <10            | 25             |
| ██████████         |                                   | <2             | 1              | 4              | <20             | <0.01           | <10             | <10            | 10            | <10            | 23             |
| ██████████         |                                   | <2             | <1             | 12             | <20             | <0.01           | <10             | <10            | 5             | <10            | 21             |
| ██████████         |                                   | <2             | <1             | 12             | <20             | 0.01            | <10             | <10            | 5             | <10            | 18             |



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Page: 1

Finalized Date: 30-JUL-2008

Account: RRR

## CERTIFICATE TB08095609

Project: OFF LAKE

P.O. No.:

This report is for 100 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 14-JUL-2008.

The following have access to data associated with this certificate:

CJ BAKER  
NELSON BAKER

NELSON BAKER  
ALLEN RAOUL

CJ BAKER

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION             |
|----------|-------------------------|
| WEI-21   | Received Sample Weight  |
| DRY-21   | High Temperature Drying |

## ANALYTICAL PROCEDURES

| ALS CODE  | DESCRIPTION                   | INSTRUMENT |
|-----------|-------------------------------|------------|
| ME-ICP41  | 35 Element Aqua Regia ICP-AES | ICP-AES    |
| Au-AA23   | Au 30g FA-AA finish           | AAS        |
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP         | ICP-AES    |

To: RAINY RIVER RESOURCES LTD.  
ATTN: ALLEN RAOUL  
P.O.BOX 5, 48 MARION STREET  
ECHO LAKES ESTATE  
EMO ON POW 1E0

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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To: RAINY RIVER RESOURCES LTD.  
 303-1620 WEST 8TH AVENUE  
 VANCOUVER BC V6J 1V4

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 Finalized Date: 30-JUL-2008  
 Account: RRR

Project: OFF LAKE

**CERTIFICATE OF ANALYSIS TB08095609**

| Method Analyte Units LOR | WEI-21 Recvd Wt. kg | Au-AA23 Au ppm | PGM-ICP23 Au ppm | PGM-ICP23 Pt ppm | PGM-ICP23 Pd ppm | ME-ICP41 Ag ppm | ME-ICP41 Al % | ME-ICP41 As ppm | ME-ICP41 B ppm | ME-ICP41 Ba ppm | ME-ICP41 Be ppm | ME-ICP41 Bi ppm | ME-ICP41 Ca % | ME-ICP41 Cd ppm | ME-ICP41 Co ppm |
|--------------------------|---------------------|----------------|------------------|------------------|------------------|-----------------|---------------|-----------------|----------------|-----------------|-----------------|-----------------|---------------|-----------------|-----------------|
| Sample Description       | 0.02                | 0.005          | 0.001            | 0.005            | 0.001            | 0.2             | 0.01          | 2               | 10             | 10              | 0.5             | 2               | 0.01          | 0.5             | 1               |
| [REDACTED]               | 1.11                | <0.005         |                  |                  |                  | 0.2             | 4.33          | 2               | <10            | 20              | <0.5            | <2              | 2.69          | <0.5            | 48              |
| [REDACTED]               | 1.42                | <0.005         |                  |                  |                  | <0.2            | 3.91          | 4               | <10            | 20              | <0.5            | <2              | 3.16          | <0.5            | 38              |
| [REDACTED]               | 0.84                | <0.005         |                  |                  |                  | <0.2            | 0.04          | <2              | <10            | <10             | <0.5            | <2              | 0.11          | <0.5            | 1               |
| [REDACTED]               | 0.31                | <0.005         |                  |                  |                  | <0.2            | 7.27          | 4               | <10            | 20              | <0.5            | <2              | 0.88          | <0.5            | 15              |
| [REDACTED]               | 0.89                | <0.005         |                  |                  |                  | <0.2            | 4.37          | 5               | <10            | 10              | <0.5            | <2              | 0.24          | <0.5            | 49              |
| [REDACTED]               | 0.49                | <0.005         |                  |                  |                  | <0.2            | 1.61          | <2              | <10            | 50              | <0.5            | <2              | 2.02          | <0.5            | 14              |
| [REDACTED]               | 0.55                | 0.011          |                  |                  |                  | <0.2            | 1.26          | 2               | <10            | 40              | <0.5            | <2              | 0.79          | <0.5            | 10              |
| [REDACTED]               | 0.67                | <0.005         |                  |                  |                  | <0.2            | 2.58          | <2              | <10            | 10              | <0.5            | <2              | 2.78          | <0.5            | 25              |
| [REDACTED]               | 0.57                | <0.005         |                  |                  |                  | <0.2            | 3.65          | 3               | <10            | 10              | <0.5            | <2              | 3.73          | <0.5            | 32              |
| [REDACTED]               | 0.80                | <0.005         |                  |                  |                  | <0.2            | 1.29          | <2              | <10            | 30              | <0.5            | <2              | 1.01          | <0.5            | 8               |
| [REDACTED]               | 0.81                | <0.005         |                  |                  |                  | 0.2             | 2.82          | 3               | <10            | 40              | <0.5            | <2              | 3.64          | <0.5            | 36              |
| [REDACTED]               | 0.23                | <0.005         |                  |                  |                  | <0.2            | 0.04          | <2              | <10            | 10              | <0.5            | <2              | 0.10          | <0.5            | 1               |
| [REDACTED]               | 0.52                | <0.005         |                  |                  |                  | 0.3             | 4.50          | 17              | <10            | 20              | <0.5            | <2              | 2.28          | <0.5            | 41              |
| [REDACTED]               | 0.59                | <0.005         |                  |                  |                  | <0.2            | 1.25          | <2              | <10            | 10              | <0.5            | <2              | 0.14          | <0.5            | 7               |
| [REDACTED]               | 0.49                | <0.005         |                  |                  |                  | <0.2            | 0.25          | <2              | <10            | <10             | <0.5            | <2              | 0.05          | <0.5            | 1               |
| [REDACTED]               | 0.35                | <0.005         |                  |                  |                  | <0.2            | 5.38          | 2               | <10            | 1760            | <0.5            | <2              | 0.63          | <0.5            | 21              |
| [REDACTED]               | 0.39                | <0.005         |                  |                  |                  | <0.2            | 3.06          | <2              | <10            | 50              | <0.5            | <2              | 2.24          | <0.5            | 15              |
| [REDACTED]               | 0.62                | <0.005         |                  |                  |                  | <0.2            | 1.14          | <2              | <10            | 30              | <0.5            | <2              | 1.43          | <0.5            | 6               |
| [REDACTED]               | 1.07                | <0.005         |                  |                  |                  | <0.2            | 4.53          | <2              | <10            | 10              | <0.5            | <2              | 1.06          | <0.5            | 33              |
| [REDACTED]               | 0.81                | 0.006          |                  |                  |                  | 0.2             | 0.70          | <2              | <10            | 40              | <0.5            | <2              | 0.71          | <0.5            | 4               |
| [REDACTED]               | 0.77                | 0.014          |                  |                  |                  | <0.2            | 1.82          | <2              | <10            | 70              | <0.5            | <2              | 1.21          | <0.5            | 23              |
| [REDACTED]               | 0.31                | <0.005         |                  |                  |                  | <0.2            | 0.34          | <2              | <10            | 50              | <0.5            | <2              | 0.76          | <0.5            | 3               |
| [REDACTED]               | 0.46                | <0.005         |                  |                  |                  | <0.2            | 2.91          | <2              | <10            | 60              | <0.5            | <2              | 1.83          | <0.5            | 19              |
| [REDACTED]               | 0.72                | <0.005         |                  |                  |                  | <0.2            | 3.28          | <2              | <10            | 20              | <0.5            | <2              | 1.41          | <0.5            | 23              |
| [REDACTED]               | 0.58                | <0.005         |                  |                  |                  | 0.2             | 4.79          | <2              | <10            | 10              | <0.5            | <2              | 1.75          | <0.5            | 32              |
| [REDACTED]               | 0.24                | <0.005         |                  |                  |                  | <0.2            | 0.69          | 2               | <10            | 30              | <0.5            | <2              | 0.31          | <0.5            | 7               |
| [REDACTED]               | 0.51                | 0.011          |                  |                  |                  | 0.3             | 3.07          | <2              | <10            | 680             | <0.5            | <2              | 0.87          | <0.5            | 35              |
| [REDACTED]               | 0.40                | 0.009          |                  |                  |                  | 0.3             | 1.15          | 2               | <10            | 150             | <0.5            | <2              | 1.27          | <0.5            | 12              |
| [REDACTED]               | 0.61                | <0.005         |                  |                  |                  | <0.2            | 1.75          | 2               | <10            | 160             | <0.5            | <2              | 2.05          | <0.5            | 9               |
| [REDACTED]               | 0.19                | <0.005         |                  |                  |                  | <0.2            | 0.71          | <2              | <10            | 20              | <0.5            | <2              | 0.24          | <0.5            | 3               |
| [REDACTED]               | 0.66                | <0.005         |                  |                  |                  | <0.2            | 2.44          | 3               | <10            | 20              | <0.5            | <2              | 2.20          | <0.5            | 16              |
| [REDACTED]               | 0.48                | <0.005         |                  |                  |                  | <0.2            | 0.69          | <2              | <10            | 40              | <0.5            | <2              | 0.22          | <0.5            | 5               |
| H098393                  | 0.82                | 0.065          |                  |                  |                  | 1.5             | 1.38          | 2               | <10            | 10              | <0.5            | <2              | 0.73          | <0.5            | 14              |
| H098394                  | 0.98                |                | 0.003            | 0.013            | 0.014            | 0.2             | 1.07          | <2              | <10            | 20              | <0.5            | <2              | 0.86          | <0.5            | 14              |
| H098395                  | 0.45                |                | 0.002            | 0.007            | 0.011            | <0.2            | 0.91          | <2              | <10            | 10              | <0.5            | <2              | 0.79          | <0.5            | 9               |
| H098396                  | 0.51                | 0.006          |                  |                  |                  | 0.3             | 0.66          | <2              | <10            | 30              | <0.5            | <2              | 0.25          | <0.5            | 6               |
| H098397                  | 0.66                |                | 0.022            | 0.015            | 0.008            | <0.2            | 0.67          | <2              | <10            | 20              | <0.5            | <2              | 0.70          | <0.5            | 10              |
| H098398                  | 0.39                | 0.636          |                  |                  |                  | 3.8             | 0.12          | 2               | <10            | <10             | <0.5            | <2              | 0.05          | <0.5            | 4               |
| H098399                  | 0.71                | <0.005         |                  |                  |                  | 0.7             | 0.50          | <2              | <10            | 10              | <0.5            | <2              | 0.27          | <0.5            | 5               |
| H098400                  | 0.59                | <0.005         |                  |                  |                  | <0.2            | 0.70          | 2               | <10            | 20              | <0.5            | <2              | 0.08          | <0.5            | 3               |



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Project: OFF LAKE

**CERTIFICATE OF ANALYSIS TB08095609**

| Sample Description | Method  | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |       |
|--------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------|
|                    | Analyte | Cr       | Cu       | Fe       | Ga       | Hg       | K        | La       | Mg       | Mn       | Mo       | Na       | Ni       | P        | Pb       | S     |
| Units              |         | ppm      | ppm      | %        | ppm      | ppm      | %        | ppm      | %        | ppm      | ppm      | %        | ppm      | ppm      | ppm      | %     |
| LOR                |         | 1        | 1        | 0.01     | 10       | 1        | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01  |
| [REDACTED]         |         | 3        | 118      | 11.05    | 20       | <1       | 0.03     | 10       | 1.25     | 1335     | <1       | 0.03     | 29       | 1040     | <2       | 0.22  |
| [REDACTED]         |         | 57       | 15       | 7.73     | 10       | <1       | 0.04     | <10      | 1.27     | 1265     | <1       | 0.03     | 59       | 800      | <2       | <0.01 |
| [REDACTED]         |         | 7        | 1        | 0.36     | <10      | <1       | <0.01    | <10      | 0.01     | 103      | <1       | <0.01    | 2        | 10       | <2       | <0.01 |
| [REDACTED]         |         | 3        | 149      | 19.5     | 30       | <1       | <0.01    | <10      | 1.95     | 3940     | <1       | 0.01     | 16       | 1130     | <2       | 0.55  |
| [REDACTED]         |         | 2        | 66       | 8.80     | 20       | <1       | 0.04     | <10      | 1.70     | 938      | <1       | 0.01     | 21       | 1150     | <2       | 0.94  |
| [REDACTED]         |         | 37       | 11       | 2.92     | <10      | <1       | 0.07     | 10       | 1.18     | 588      | <1       | 0.03     | 32       | 530      | 2        | 0.04  |
| [REDACTED]         |         | 12       | 9        | 2.20     | <10      | <1       | 0.12     | 10       | 0.84     | 367      | <1       | 0.02     | 17       | 510      | 3        | 0.09  |
| [REDACTED]         |         | 109      | 59       | 3.49     | <10      | <1       | 0.01     | <10      | 1.94     | 981      | <1       | 0.05     | 39       | 270      | 4        | 0.03  |
| [REDACTED]         |         | 236      | 36       | 5.28     | 10       | <1       | 0.01     | <10      | 3.02     | 1035     | <1       | 0.04     | 57       | 270      | <2       | 0.01  |
| [REDACTED]         |         | 12       | 9        | 1.95     | <10      | <1       | 0.08     | 10       | 0.54     | 519      | <1       | 0.04     | 12       | 420      | <2       | 0.03  |
| [REDACTED]         |         | 396      | 50       | 4.54     | 10       | <1       | 0.01     | 10       | 3.59     | 966      | <1       | 0.03     | 162      | 780      | 4        | 0.35  |
| [REDACTED]         |         | 11       | 2        | 0.29     | <10      | <1       | <0.01    | <10      | 0.06     | 96       | <1       | <0.01    | 4        | 20       | <2       | 0.01  |
| [REDACTED]         |         | 55       | 119      | 6.52     | 10       | <1       | 0.02     | <10      | 2.27     | 1460     | <1       | 0.05     | 52       | 420      | <2       | 0.02  |
| [REDACTED]         |         | 8        | 1        | 1.76     | <10      | <1       | 0.04     | 10       | 0.65     | 209      | <1       | 0.04     | 6        | 280      | <2       | 0.01  |
| [REDACTED]         |         | 10       | 1        | 0.59     | <10      | <1       | <0.01    | <10      | 0.11     | 177      | <1       | 0.01     | 3        | 70       | <2       | 0.01  |
| [REDACTED]         |         | 4        | 1        | 10.85    | 20       | <1       | 1.25     | 10       | 2.00     | 1645     | <1       | 0.06     | 15       | 960      | <2       | 0.01  |
| [REDACTED]         |         | 3        | 1        | 4.51     | 10       | <1       | 0.10     | 10       | 1.27     | 1110     | <1       | 0.09     | 5        | 1390     | <2       | 0.01  |
| [REDACTED]         |         | 5        | 1        | 1.63     | <10      | <1       | 0.09     | 10       | 0.64     | 332      | <1       | 0.05     | 10       | 450      | <2       | 0.08  |
| [REDACTED]         |         | 41       | 49       | 8.38     | 10       | 1        | 0.05     | <10      | 2.45     | 804      | <1       | 0.04     | 27       | 980      | <2       | 0.33  |
| [REDACTED]         |         | 9        | 10       | 1.18     | <10      | <1       | 0.11     | 40       | 0.31     | 195      | <1       | 0.05     | 6        | 620      | 12       | 0.01  |
| [REDACTED]         |         | 48       | 185      | 5.04     | 10       | <1       | 0.01     | <10      | 1.44     | 518      | <1       | 0.08     | 33       | 630      | <2       | 0.09  |
| [REDACTED]         |         | 4        | 18       | 0.50     | <10      | <1       | 0.10     | 30       | 0.11     | 97       | <1       | 0.04     | 5        | 620      | 6        | 0.01  |
| [REDACTED]         |         | 48       | 13       | 4.20     | 10       | <1       | 0.09     | <10      | 1.22     | 553      | <1       | 0.13     | 30       | 730      | 2        | 0.03  |
| [REDACTED]         |         | 43       | 5        | 5.33     | 10       | <1       | 0.09     | <10      | 1.44     | 722      | <1       | 0.06     | 32       | 880      | <2       | 0.02  |
| [REDACTED]         |         | 97       | 27       | 7.88     | 10       | <1       | 0.02     | <10      | 3.21     | 1305     | <1       | 0.01     | 45       | 800      | <2       | 0.05  |
| [REDACTED]         |         | 4        | 16       | 1.20     | <10      | <1       | 0.15     | 10       | 0.35     | 243      | <1       | 0.02     | 6        | 480      | 2        | 0.04  |
| [REDACTED]         |         | 70       | 92       | 5.49     | 10       | <1       | 1.05     | <10      | 1.23     | 539      | <1       | 0.12     | 62       | 1080     | 3        | 0.20  |
| [REDACTED]         |         | 41       | 75       | 2.24     | <10      | <1       | 0.17     | 10       | 0.57     | 320      | <1       | 0.10     | 21       | 750      | 3        | 0.05  |
| [REDACTED]         |         | 30       | 6        | 2.28     | 10       | <1       | 0.48     | 10       | 1.26     | 513      | <1       | 0.06     | 21       | 460      | 8        | 0.06  |
| [REDACTED]         |         | 4        | 1        | 0.76     | <10      | <1       | 0.07     | 10       | 0.45     | 145      | <1       | 0.04     | 2        | 220      | <2       | 0.01  |
| [REDACTED]         |         | 72       | 9        | 2.67     | 10       | <1       | 0.05     | 20       | 2.01     | 742      | <1       | 0.04     | 78       | 1530     | <2       | 0.05  |
| [REDACTED]         |         | 10       | 2        | 0.95     | <10      | <1       | 0.40     | <10      | 0.45     | 163      | <1       | 0.05     | 7        | 330      | <2       | 0.01  |
| H098393            |         | 6        | 805      | 2.39     | <10      | <1       | 0.02     | <10      | 0.92     | 163      | 17       | 0.03     | 25       | 260      | 4        | 0.14  |
| H098394            |         | 7        | 155      | 2.28     | <10      | <1       | 0.04     | <10      | 0.77     | 216      | 2        | 0.07     | 16       | 410      | <2       | 0.05  |
| H098395            |         | 30       | 62       | 1.51     | <10      | <1       | 0.04     | <10      | 0.66     | 144      | <1       | 0.05     | 14       | 340      | <2       | 0.01  |
| H098396            |         | 8        | 47       | 0.93     | <10      | <1       | 0.14     | 10       | 0.44     | 63       | 2        | 0.05     | 7        | 360      | <2       | 0.01  |
| H098397            |         | 3        | 183      | 4.42     | <10      | <1       | 0.06     | <10      | 0.52     | 124      | 43       | 0.06     | 12       | 540      | 3        | <0.01 |
| H098398            |         | 6        | 219      | 2.32     | <10      | <1       | 0.01     | <10      | 0.06     | 33       | 13       | <0.01    | 17       | 160      | 3        | <0.01 |
| H098399            |         | 11       | 78       | 1.12     | <10      | <1       | 0.05     | 10       | 0.36     | 77       | 3        | 0.04     | 4        | 320      | 2        | <0.01 |
| H098400            |         | 9        | 3        | 1.04     | <10      | <1       | 0.07     | <10      | 0.60     | 79       | 1        | 0.03     | 5        | 290      | 2        | <0.01 |



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**CERTIFICATE OF ANALYSIS TB08095609**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41 | ME-ICP41 |           |
|--------------------|-----------------------------------|-----------|-----------|-----------|-----------|----------|-----------|----------|----------|----------|-----------|
|                    |                                   | Sb<br>ppm | Sc<br>ppm | Sr<br>ppm | Th<br>ppm | Ti<br>%  | Ti<br>ppm | U<br>ppm | V<br>ppm | W<br>ppm | Zn<br>ppm |
|                    |                                   | 2         | 1         | 1         | 20        | 0.01     | 10        | 10       | 1        | 10       | 2         |
|                    |                                   | 3         | 40        | 27        | <20       | 0.06     | <10       | <10      | 321      | <10      | 127       |
|                    |                                   | 2         | 14        | 34        | <20       | 0.08     | <10       | <10      | 203      | <10      | 187       |
|                    |                                   | <2        | <1        | 4         | <20       | <0.01    | <10       | <10      | 3        | <10      | 2         |
|                    |                                   | 7         | 46        | 12        | <20       | 0.06     | <10       | <10      | 440      | <10      | 231       |
|                    |                                   | 3         | 18        | 5         | <20       | 0.01     | <10       | <10      | 210      | <10      | 175       |
|                    |                                   | 2         | 2         | 58        | <20       | <0.01    | <10       | <10      | 28       | <10      | 70        |
|                    |                                   | <2        | 1         | 26        | <20       | <0.01    | <10       | <10      | 10       | <10      | 60        |
|                    |                                   | <2        | 6         | 23        | <20       | 0.11     | <10       | <10      | 90       | <10      | 60        |
|                    |                                   | 2         | 15        | 32        | <20       | 0.15     | <10       | <10      | 176      | <10      | 65        |
|                    |                                   | 2         | 1         | 27        | <20       | 0.05     | <10       | <10      | 12       | <10      | 39        |
|                    |                                   | <2        | 13        | 121       | <20       | 0.01     | <10       | <10      | 109      | <10      | 77        |
|                    |                                   | <2        | 1         | 6         | <20       | <0.01    | <10       | <10      | 2        | <10      | 2         |
|                    |                                   | 2         | 27        | 10        | <20       | 0.01     | <10       | <10      | 200      | <10      | 105       |
|                    |                                   | <2        | 1         | 8         | <20       | <0.01    | <10       | <10      | 9        | <10      | 47        |
|                    |                                   | <2        | 1         | 2         | <20       | 0.01     | <10       | <10      | 10       | <10      | 9         |
|                    |                                   | 2         | 16        | 47        | <20       | 0.31     | <10       | <10      | 270      | <10      | 123       |
|                    |                                   | 3         | 9         | 42        | <20       | 0.18     | <10       | <10      | 106      | <10      | 84        |
|                    |                                   | <2        | 1         | 16        | <20       | 0.01     | <10       | <10      | 10       | <10      | 32        |
|                    |                                   | 2         | 9         | 14        | <20       | 0.12     | <10       | <10      | 180      | <10      | 89        |
|                    |                                   | 2         | 1         | 27        | <20       | 0.08     | <10       | <10      | 15       | <10      | 47        |
|                    |                                   | <2        | 5         | 20        | <20       | 0.11     | <10       | <10      | 219      | <10      | 53        |
|                    |                                   | <2        | <1        | 26        | <20       | 0.07     | <10       | <10      | 5        | <10      | 13        |
|                    |                                   | <2        | 9         | 27        | <20       | 0.11     | <10       | <10      | 101      | <10      | 60        |
|                    |                                   | 2         | 11        | 16        | <20       | 0.16     | <10       | <10      | 166      | <10      | 73        |
|                    |                                   | 3         | 10        | 14        | <20       | 0.20     | <10       | <10      | 253      | <10      | 113       |
|                    |                                   | <2        | 1         | 33        | <20       | 0.04     | <10       | <10      | 8        | <10      | 52        |
|                    |                                   | 4         | 16        | 18        | <20       | 0.29     | <10       | <10      | 330      | <10      | 120       |
|                    |                                   | <2        | 6         | 15        | <20       | 0.11     | <10       | <10      | 63       | <10      | 38        |
|                    |                                   | <2        | 3         | 19        | <20       | 0.10     | <10       | <10      | 39       | <10      | 53        |
|                    |                                   | <2        | <1        | 14        | <20       | 0.02     | <10       | <10      | 4        | <10      | 33        |
|                    |                                   | 2         | 2         | 56        | <20       | 0.06     | <10       | <10      | 31       | <10      | 87        |
|                    |                                   | 2         | <1        | 27        | <20       | 0.09     | <10       | <10      | 14       | <10      | 49        |
| H098393            |                                   | <2        | 2         | 48        | <20       | 0.12     | <10       | <10      | 38       | <10      | 18        |
| H098394            |                                   | <2        | 4         | 20        | <20       | 0.19     | <10       | <10      | 65       | <10      | 17        |
| H098395            |                                   | <2        | 4         | 16        | <20       | 0.16     | <10       | <10      | 43       | <10      | 12        |
| H098396            |                                   | <2        | 1         | 14        | <20       | 0.09     | <10       | <10      | 15       | <10      | 12        |
| H098397            |                                   | <2        | 3         | 8         | <20       | 0.19     | <10       | <10      | 139      | <10      | 21        |
| H098398            |                                   | <2        | <1        | 3         | <20       | 0.03     | <10       | <10      | 13       | <10      | 8         |
| H098399            |                                   | <2        | 1         | 9         | <20       | 0.08     | <10       | <10      | 21       | <10      | 16        |
| H098400            |                                   | <2        | 1         | 8         | <20       | 0.01     | <10       | <10      | 10       | <10      | 24        |





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 Account: RRR

Project: OFF LAKE

**CERTIFICATE OF ANALYSIS TB08095609**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21          | Au-AA23   | PGM-ICP23 | PGM-ICP23 | PGM-ICP23 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  |           |
|--------------------|-----------------------------------|-----------------|-----------|-----------|-----------|-----------|-----------|----------|-----------|----------|-----------|-----------|-----------|----------|-----------|-----------|
|                    |                                   | Recvd Wt.<br>kg | Au<br>ppm | Au<br>ppm | Pt<br>ppm | Pd<br>ppm | Ag<br>ppm | Al<br>%  | As<br>ppm | B<br>ppm | Ba<br>ppm | Be<br>ppm | Bi<br>ppm | Ca<br>%  | Cd<br>ppm | Co<br>ppm |
|                    |                                   | 0.02            | 0.005     | 0.001     | 0.005     | 0.001     | 0.2       | 0.01     | 2         | 10       | 10        | 0.5       | 2         | 0.01     | 0.5       | 1         |
| H098401            |                                   | 0.74            | <0.005    |           |           |           | <0.2      | 0.84     | 2         | <10      | 10        | <0.5      | <2        | 1.25     | <0.5      | 6         |
| H098402            |                                   | 0.76            | <0.005    |           |           |           | <0.2      | 0.73     | <2        | <10      | 110       | <0.5      | <2        | 0.25     | <0.5      | 6         |
| H098403            |                                   | 0.43            | <0.005    |           |           |           | <0.2      | 0.32     | <2        | <10      | 30        | <0.5      | <2        | 0.13     | <0.5      | 2         |
| H098404            |                                   | 0.88            | <0.005    |           |           |           | <0.2      | 0.89     | <2        | <10      | 20        | <0.5      | <2        | 0.19     | <0.5      | 6         |
| H098405            |                                   | 0.57            | <0.005    |           |           |           | <0.2      | 1.96     | <2        | <10      | 1430      | <0.5      | <2        | 1.06     | <0.5      | 26        |
| H098406            |                                   | 0.52            | <0.005    |           |           |           | <0.2      | 0.84     | <2        | <10      | 60        | <0.5      | <2        | 0.65     | <0.5      | 6         |
| H098407            |                                   | 0.95            | <0.005    |           |           |           | 0.2       | 0.73     | <2        | <10      | 60        | <0.5      | <2        | 1.54     | <0.5      | 5         |
| H098408            |                                   | 0.56            | <0.005    |           |           |           | <0.2      | 0.59     | <2        | <10      | 40        | <0.5      | <2        | 0.76     | <0.5      | 4         |
| H098409            |                                   | 0.75            | <0.005    |           |           |           | <0.2      | 0.72     | <2        | <10      | 30        | <0.5      | <2        | 0.35     | <0.5      | 6         |
|                    |                                   | 1.06            | <0.005    |           |           |           | <0.2      | 0.98     | <2        | <10      | 30        | <0.5      | <2        | 0.42     | <0.5      | 8         |
|                    |                                   | 1.05            | <0.005    |           |           |           | <0.2      | 0.65     | <2        | <10      | 10        | <0.5      | <2        | 0.45     | <0.5      | 4         |
|                    |                                   | 0.77            | <0.005    |           |           |           | <0.2      | 0.72     | <2        | <10      | 50        | <0.5      | <2        | 0.19     | <0.5      | 5         |
|                    |                                   | 0.61            | <0.005    |           |           |           | <0.2      | 0.15     | 2         | <10      | <10       | <0.5      | <2        | 0.02     | <0.5      | 1         |
|                    |                                   | 0.54            | <0.005    |           |           |           | <0.2      | 0.26     | <2        | <10      | 20        | <0.5      | <2        | 0.07     | <0.5      | 1         |
| H098415            |                                   | 1.38            | <0.005    |           |           |           | <0.2      | 1.55     | <2        | <10      | <10       | <0.5      | <2        | 0.66     | <0.5      | 17        |
| H098416            |                                   | 0.85            | <0.005    |           |           |           | <0.2      | 4.29     | 2         | <10      | 10        | <0.5      | <2        | 3.27     | <0.5      | 35        |
| H098417            |                                   | 1.08            | <0.005    |           |           |           | <0.2      | 1.47     | <2        | <10      | 60        | <0.5      | <2        | 0.33     | <0.5      | 13        |
| H098418            |                                   | 0.51            | <0.005    |           |           |           | <0.2      | 1.20     | <2        | <10      | 30        | <0.5      | <2        | 2.11     | <0.5      | 9         |
| H098419            |                                   | 0.60            | <0.005    |           |           |           | <0.2      | 0.88     | 2         | <10      | 10        | <0.5      | <2        | 0.69     | <0.5      | 10        |
| H098420            |                                   | 0.42            | <0.005    |           |           |           | <0.2      | 0.38     | <2        | <10      | <10       | <0.5      | <2        | 5.29     | <0.5      | 3         |



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 Account: RRR

Project: OFF LAKE

**CERTIFICATE OF ANALYSIS TB08095609**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  |        |
|--------------------|-----------------------------------|-----------|-----------|----------|-----------|-----------|----------|-----------|----------|-----------|-----------|----------|-----------|----------|-----------|--------|
|                    |                                   | Cr<br>ppm | Cu<br>ppm | Fe<br>%  | Ga<br>ppm | Hg<br>ppm | K<br>%   | La<br>ppm | Mg<br>%  | Mn<br>ppm | Mo<br>ppm | Na<br>%  | Ni<br>ppm | P<br>ppm | Pb<br>ppm | S<br>% |
|                    |                                   | 1         | 1         | 0.01     | 10        | 1         | 0.01     | 10        | 0.01     | 5         | 1         | 0.01     | 1         | 10       | 2         | 0.01   |
| H098401            |                                   | 10        | 27        | 2.46     | <10       | <1        | 0.05     | <10       | 0.35     | 300       | <1        | 0.11     | 4         | 800      | 3         | <0.01  |
| H098402            |                                   | 9         | 4         | 1.18     | <10       | <1        | 0.44     | <10       | 0.46     | 158       | <1        | 0.05     | 4         | 340      | 2         | <0.01  |
| H098403            |                                   | 7         | <1        | 0.64     | <10       | <1        | 0.08     | 10        | 0.16     | 94        | <1        | 0.04     | <1        | 200      | 2         | <0.01  |
| H098404            |                                   | 22        | 4         | 1.33     | <10       | <1        | 0.07     | 10        | 0.86     | 172       | <1        | 0.03     | 11        | 360      | 3         | <0.01  |
| H098405            |                                   | 269       | 22        | 2.48     | 10        | <1        | 0.07     | <10       | 1.56     | 426       | <1        | 0.07     | 67        | 220      | <2        | <0.01  |
| H098406            |                                   | 14        | 16        | 1.12     | <10       | <1        | 0.28     | 10        | 0.53     | 274       | <1        | 0.03     | 7         | 430      | 4         | <0.01  |
| H098407            |                                   | 12        | 8         | 1.19     | <10       | <1        | 0.27     | 10        | 0.45     | 365       | <1        | 0.02     | 6         | 370      | 4         | 0.03   |
| H098408            |                                   | 7         | 5         | 1.01     | <10       | <1        | 0.10     | 10        | 0.42     | 209       | <1        | 0.03     | 6         | 590      | 2         | <0.01  |
| H098409            |                                   | 13        | <1        | 1.20     | <10       | <1        | 0.11     | 10        | 0.53     | 155       | <1        | 0.02     | 10        | 370      | <2        | <0.01  |
|                    |                                   | 23        | <1        | 1.57     | 10        | <1        | 0.11     | <10       | 0.90     | 250       | <1        | 0.03     | 12        | 340      | <2        | <0.01  |
|                    |                                   | 11        | <1        | 1.00     | 10        | <1        | 0.04     | 10        | 0.52     | 116       | <1        | 0.04     | 5         | 310      | 2         | <0.01  |
|                    |                                   | 10        | 5         | 1.13     | <10       | <1        | 0.30     | 10        | 0.57     | 147       | <1        | 0.04     | 5         | 330      | <2        | <0.01  |
|                    |                                   | 5         | <1        | 0.35     | <10       | <1        | 0.06     | <10       | 0.03     | 40        | <1        | 0.03     | <1        | 30       | 2         | <0.01  |
|                    |                                   | 6         | 1         | 0.41     | <10       | <1        | 0.06     | 10        | 0.14     | 55        | <1        | 0.05     | <1        | 300      | 2         | <0.01  |
| H098415            |                                   | 22        | 99        | 3.08     | 10        | <1        | 0.02     | <10       | 0.82     | 328       | <1        | 0.07     | 35        | 380      | <2        | 0.08   |
| H098416            |                                   | 58        | 89        | 8.55     | 20        | <1        | 0.01     | <10       | 2.57     | 834       | <1        | 0.02     | 65        | 250      | <2        | <0.01  |
| H098417            |                                   | 17        | 26        | 2.84     | 10        | <1        | 0.52     | 10        | 0.95     | 386       | <1        | 0.04     | 14        | 480      | 3         | 0.28   |
| H098418            |                                   | 11        | 21        | 2.46     | <10       | <1        | 0.46     | 10        | 0.57     | 449       | <1        | 0.02     | 13        | 550      | 2         | 0.22   |
| H098419            |                                   | 16        | 123       | 1.67     | <10       | <1        | 0.02     | <10       | 0.49     | 186       | <1        | 0.05     | 22        | 170      | <2        | 0.02   |
| H098420            |                                   | 5         | <1        | 0.81     | <10       | <1        | 0.01     | <10       | 0.22     | 282       | <1        | <0.01    | 3         | 90       | <2        | <0.01  |



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**CERTIFICATE OF ANALYSIS TB08095609**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41 | ME-ICP41 |           |
|--------------------|-----------------------------------|-----------|-----------|-----------|-----------|----------|-----------|----------|----------|----------|-----------|
|                    |                                   | Sb<br>ppm | Sc<br>ppm | Sr<br>ppm | Th<br>ppm | Ti<br>%  | Tl<br>ppm | U<br>ppm | V<br>ppm | W<br>ppm | Zn<br>ppm |
| H098401            |                                   | <2        | 7         | 8         | <20       | 0.27     | <10       | <10      | 79       | <10      | 33        |
| H098402            |                                   | <2        | 1         | 37        | <20       | 0.12     | <10       | <10      | 19       | <10      | 35        |
| H098403            |                                   | <2        | <1        | 31        | <20       | 0.03     | <10       | <10      | 6        | <10      | 21        |
| H098404            |                                   | <2        | 1         | 17        | <20       | 0.06     | <10       | <10      | 19       | <10      | 43        |
| H098405            |                                   | <2        | 5         | 12        | <20       | 0.22     | <10       | <10      | 71       | <10      | 23        |
| H098406            |                                   | <2        | 1         | 28        | <20       | 0.08     | <10       | <10      | 13       | <10      | 53        |
| H098407            |                                   | <2        | 1         | 21        | <20       | 0.08     | <10       | <10      | 15       | <10      | 45        |
| H098408            |                                   | <2        | 1         | 27        | <20       | 0.02     | <10       | <10      | 10       | <10      | 25        |
| H098409            |                                   | <2        | 1         | 23        | <20       | 0.06     | <10       | <10      | 13       | <10      | 20        |
| [REDACTED]         |                                   | 2         | 1         | 37        | <20       | 0.13     | <10       | <10      | 33       | <10      | 40        |
| [REDACTED]         |                                   | <2        | 1         | 62        | <20       | 0.06     | <10       | <10      | 13       | <10      | 26        |
| [REDACTED]         |                                   | <2        | 1         | 25        | <20       | 0.07     | <10       | <10      | 15       | <10      | 33        |
| [REDACTED]         |                                   | <2        | 1         | 4         | <20       | <0.01    | <10       | <10      | 1        | <10      | 12        |
| [REDACTED]         |                                   | <2        | <1        | 12        | <20       | 0.02     | <10       | <10      | 5        | <10      | 15        |
| H098415            |                                   | <2        | 2         | 7         | <20       | 0.16     | <10       | <10      | 45       | <10      | 57        |
| H098416            |                                   | <2        | 20        | 31        | <20       | 0.13     | <10       | <10      | 172      | <10      | 117       |
| H098417            |                                   | <2        | 2         | 13        | <20       | 0.16     | <10       | <10      | 47       | <10      | 45        |
| H098418            |                                   | <2        | 1         | 43        | <20       | 0.11     | <10       | <10      | 19       | <10      | 86        |
| H098419            |                                   | <2        | 2         | 7         | <20       | 0.19     | <10       | <10      | 33       | <10      | 30        |
| H098420            |                                   | <2        | <1        | 15        | <20       | 0.02     | <10       | <10      | 11       | <10      | 13        |



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Page: 1

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Account: RRR

## CERTIFICATE TB08095780

Project: OFF LAKE

P.O. No.:

This report is for 60 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 14-JUL-2008.

The following have access to data associated with this certificate:

CJ BAKER  
NELSON BAKER

NELSON BAKER  
ALLEN RAOUL

CJ BAKER

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION                    |
|----------|--------------------------------|
| WEI-21   | Received Sample Weight         |
| LOG-22   | Sample login - Rcd w/o BarCode |
| CRU-31   | Fine crushing - 70% <2mm       |
| SPL-21   | Split sample - riffle splitter |
| PUL-31   | Pulverize split to 85% <75 um  |
| DRY-21   | High Temperature Drying        |
| CRU-QC   | Crushing QC Test               |
| PUL-QC   | Pulverizing QC Test            |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION                   | INSTRUMENT |
|----------|-------------------------------|------------|
| Au-AA23  | Au 30g FA-AA finish           | AAS        |
| ME-ICP41 | 35 Element Aqua Regia ICP-AES | ICP-AES    |

To: RAINY RIVER RESOURCES LTD.

ATTN: ALLEN RAOUL

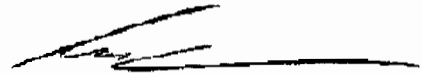
P.O.BOX 5, 48 MARION STREET

ECHO LAKES ESTATE

EMO ON P0W 1E0

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

  
Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS TB08095780**

| Sample Description | Method Analyte Units LOR | WEI-21       | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |        |
|--------------------|--------------------------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Recvd Wt. kg | Ag ppm   | Al %     | As ppm   | B ppm    | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm |
| H098421            |                          | 1.33         | <0.2     | 0.65     | <2       | <10      | 20       | <0.5     | 2        | 0.32     | <0.5     | 7        | 19       | 38       | 1.32     | <10    |
| H098422            |                          | 0.66         | <0.2     | 1.09     | <2       | <10      | 40       | <0.5     | <2       | 0.36     | <0.5     | 8        | 6        | 32       | 2.03     | <10    |
| H098423            |                          | 1.20         | <0.2     | 0.99     | <2       | <10      | 20       | <0.5     | <2       | 0.96     | <0.5     | 6        | 3        | 12       | 1.55     | <10    |
| H098424            |                          | 1.03         | <0.2     | 1.61     | <2       | <10      | 20       | <0.5     | <2       | 3.19     | <0.5     | 27       | 128      | 81       | 3.05     | <10    |
| H098425            |                          | 1.18         | <0.2     | 2.09     | <2       | <10      | 20       | <0.5     | <2       | 1.17     | <0.5     | 22       | 191      | 46       | 3.49     | <10    |
| H098426            |                          | 1.67         | <0.2     | 0.55     | <2       | <10      | 20       | <0.5     | <2       | 0.40     | <0.5     | 4        | 10       | 10       | 1.38     | <10    |
| H098427            |                          | 0.65         | <0.2     | 2.00     | <2       | <10      | 10       | <0.5     | <2       | 1.20     | <0.5     | 25       | 204      | 2        | 3.72     | 10     |
| H098428            |                          | 1.09         | <0.2     | 2.32     | <2       | <10      | 90       | <0.5     | <2       | 0.86     | <0.5     | 26       | 81       | 38       | 4.53     | 10     |
| H098429            |                          | 0.91         | <0.2     | 0.82     | <2       | <10      | 30       | <0.5     | <2       | 0.56     | <0.5     | 28       | 155      | 87       | 1.62     | <10    |
| H098430            |                          | 1.05         | <0.2     | 1.67     | <2       | <10      | 80       | <0.5     | <2       | 0.32     | <0.5     | 24       | 355      | 29       | 2.26     | <10    |
| H098431            |                          | 0.83         | <0.2     | 0.18     | <2       | <10      | 80       | <0.5     | <2       | 0.08     | <0.5     | 2        | 25       | 31       | 0.42     | <10    |
| H098432            |                          | 0.80         | 0.2      | 3.34     | <2       | <10      | 10       | <0.5     | 2        | 0.65     | <0.5     | 29       | 131      | 78       | 4.79     | <10    |
| H098433            |                          | 0.90         | <0.2     | 1.20     | <2       | <10      | 10       | <0.5     | <2       | 1.30     | <0.5     | 15       | 130      | 26       | 1.94     | <10    |
| H098434            |                          | 1.14         | <0.2     | 1.93     | <2       | <10      | 50       | <0.5     | <2       | 0.80     | <0.5     | 25       | 146      | 31       | 3.42     | <10    |
| H098435            |                          | 1.05         | <0.2     | 0.40     | <2       | <10      | 30       | <0.5     | <2       | 0.24     | <0.5     | 4        | 23       | 1        | 0.70     | <10    |
| H098436            |                          | 0.85         | <0.2     | 0.78     | <2       | <10      | 40       | <0.5     | <2       | 0.59     | <0.5     | 6        | 17       | 13       | 1.14     | <10    |
| H098437            |                          | 1.13         | <0.2     | 0.88     | <2       | <10      | 50       | <0.5     | 2        | 0.20     | <0.5     | 5        | 14       | 25       | 1.40     | <10    |
| H098438            |                          | 1.39         | <0.2     | 0.60     | <2       | <10      | 20       | <0.5     | <2       | 0.34     | <0.5     | 4        | 23       | 6        | 0.84     | <10    |
| H098439            |                          | 1.34         | <0.2     | 1.50     | <2       | <10      | 10       | <0.5     | <2       | 1.41     | <0.5     | 22       | 135      | 68       | 3.01     | <10    |
| H098440            |                          | 1.48         | <0.2     | 1.11     | 2        | <10      | 10       | <0.5     | <2       | 0.75     | <0.5     | 22       | 120      | 42       | 2.05     | <10    |
| H098441            |                          | 1.29         | <0.2     | 1.67     | <2       | <10      | 30       | <0.5     | <2       | 0.49     | <0.5     | 21       | 204      | 44       | 2.92     | <10    |
| H098442            |                          | 1.32         | <0.2     | 4.68     | <2       | <10      | 40       | <0.5     | <2       | 2.56     | <0.5     | 46       | 467      | 32       | 8.26     | 10     |
| H098443            |                          | 1.13         | <0.2     | 0.26     | <2       | <10      | 50       | <0.5     | <2       | 2.63     | <0.5     | 4        | 6        | 11       | 0.70     | <10    |
| H098444            |                          | 1.23         | 0.2      | 0.87     | <2       | <10      | 10       | <0.5     | <2       | 0.58     | <0.5     | 4        | 6        | 18       | 1.92     | <10    |
| H098445            |                          | 1.04         | <0.2     | 1.71     | <2       | <10      | 10       | <0.5     | <2       | 0.62     | <0.5     | 19       | 37       | 45       | 3.27     | <10    |
| H098446            |                          | 0.84         | 0.2      | 1.06     | <2       | <10      | 70       | <0.5     | <2       | 0.71     | <0.5     | 8        | 6        | 90       | 2.27     | <10    |
| H098447            |                          | 1.06         | <0.2     | 0.62     | <2       | <10      | 40       | <0.5     | <2       | 1.66     | <0.5     | 4        | 2        | 11       | 1.03     | <10    |
| H098448            |                          | 1.16         | <0.2     | 5.68     | <2       | <10      | 20       | <0.5     | <2       | 1.21     | <0.5     | 25       | 411      | 10       | 12.60    | 10     |
| H098449            |                          | 1.02         | <0.2     | 2.57     | <2       | <10      | 740      | <0.5     | <2       | 0.31     | <0.5     | 30       | 871      | 42       | 5.93     | 10     |
| H098450            |                          | 1.05         | 0.2      | 1.27     | <2       | <10      | 280      | <0.5     | <2       | 0.73     | <0.5     | 36       | 295      | 44       | 3.34     | <10    |
| H098451            |                          | 0.62         | <0.2     | 2.24     | <2       | <10      | 30       | <0.5     | <2       | 0.70     | <0.5     | 21       | 393      | 19       | 3.73     | <10    |
| H098452            |                          | 0.90         | <0.2     | 1.47     | <2       | <10      | 110      | <0.5     | <2       | 1.26     | <0.5     | 32       | 240      | 71       | 2.91     | <10    |
| H098453            |                          | 0.64         | <0.2     | 1.00     | 2        | <10      | 20       | <0.5     | <2       | 0.83     | <0.5     | 9        | 41       | 3        | 1.02     | <10    |
| H098454            |                          | 0.92         | <0.2     | 2.73     | <2       | <10      | 10       | <0.5     | <2       | 0.77     | <0.5     | 30       | 156      | 53       | 4.34     | <10    |
| H098455            |                          | 1.61         | <0.2     | 0.03     | <2       | <10      | <10      | <0.5     | <2       | 0.03     | <0.5     | <1       | 14       | 1        | 0.20     | <10    |
| H098456            |                          | 1.43         | <0.2     | 0.44     | <2       | <10      | <10      | <0.5     | <2       | 0.42     | <0.5     | 8        | 28       | 34       | 1.30     | <10    |
| H098457            |                          | 1.00         | <0.2     | 1.87     | <2       | <10      | 10       | <0.5     | <2       | 1.25     | <0.5     | 17       | 205      | 17       | 3.10     | 10     |
| H098458            |                          | 0.60         | <0.2     | 2.88     | 2        | <10      | 10       | <0.5     | <2       | 0.58     | <0.5     | 40       | 325      | 36       | 5.30     | 10     |
| H098459            |                          | 0.77         | <0.2     | 0.89     | <2       | <10      | 20       | <0.5     | <2       | 0.40     | <0.5     | 4        | 10       | 9        | 1.45     | <10    |
| H098460            |                          | 1.16         | <0.2     | 0.53     | 2        | <10      | <10      | <0.5     | <2       | 0.27     | <0.5     | 62       | 1615     | 8        | 2.91     | <10    |



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Project: OFF LAKE

**CERTIFICATE OF ANALYSIS TB08095780**

| Sample Description | Method Analyte Units LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    |                          | Hg ppm   | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   |
| H098421            |                          | <1       | 0.11     | 10       | 0.41     | 172      | <1       | 0.03     | 13       | 400      | 3        | 0.14     | <2       | 1        | 27       | <20      |
| H098422            |                          | <1       | 0.16     | 20       | 0.73     | 244      | <1       | 0.02     | 10       | 510      | <2       | 0.10     | <2       | 1        | 39       | <20      |
| H098423            |                          | <1       | 0.10     | 10       | 0.54     | 259      | <1       | 0.02     | 6        | 400      | <2       | <0.01    | <2       | 1        | 45       | <20      |
| H098424            |                          | <1       | 0.02     | <10      | 0.79     | 1170     | <1       | 0.07     | 94       | 220      | <2       | 0.11     | 3        | 5        | 20       | <20      |
| H098425            |                          | <1       | 0.04     | <10      | 1.43     | 691      | <1       | 0.05     | 51       | 180      | <2       | <0.01    | <2       | 5        | 24       | <20      |
| H098426            |                          | <1       | 0.12     | 10       | 0.35     | 289      | <1       | 0.04     | 3        | 380      | <2       | 0.13     | <2       | 1        | 11       | <20      |
| H098427            |                          | <1       | 0.02     | <10      | 1.94     | 595      | <1       | 0.03     | 112      | 240      | <2       | <0.01    | <2       | 3        | 17       | <20      |
| H098428            |                          | <1       | 0.29     | 10       | 1.70     | 470      | <1       | 0.07     | 74       | 450      | <2       | 0.03     | <2       | 3        | 27       | <20      |
| H098429            |                          | <1       | 0.05     | <10      | 0.59     | 308      | <1       | 0.05     | 97       | 220      | <2       | 0.08     | <2       | 5        | 18       | <20      |
| H098430            |                          | <1       | 0.02     | <10      | 1.71     | 378      | <1       | 0.01     | 107      | 170      | <2       | <0.01    | <2       | 1        | 6        | <20      |
| H098431            |                          | <1       | 0.01     | <10      | 0.19     | 62       | <1       | <0.01    | 12       | 50       | <2       | <0.01    | <2       | <1       | 2        | <20      |
| H098432            |                          | <1       | 0.02     | <10      | 3.13     | 885      | <1       | 0.01     | 47       | 280      | <2       | 0.10     | <2       | 3        | 10       | <20      |
| H098433            |                          | <1       | 0.04     | <10      | 0.77     | 501      | <1       | 0.08     | 42       | 230      | <2       | <0.01    | <2       | 6        | 13       | <20      |
| H098434            |                          | <1       | 0.17     | <10      | 1.83     | 335      | <1       | 0.06     | 94       | 400      | <2       | <0.01    | <2       | 2        | 16       | <20      |
| H098435            |                          | <1       | 0.05     | <10      | 0.33     | 69       | <1       | 0.05     | 10       | 380      | <2       | <0.01    | <2       | 1        | 9        | <20      |
| H098436            |                          | <1       | 0.11     | 10       | 0.71     | 199      | <1       | 0.03     | 8        | 260      | <2       | 0.03     | <2       | 1        | 32       | <20      |
| H098437            |                          | <1       | 0.43     | <10      | 0.45     | 111      | <1       | 0.03     | 5        | 340      | <2       | 0.01     | <2       | 1        | 27       | <20      |
| H098438            |                          | <1       | 0.04     | 10       | 0.42     | 167      | <1       | 0.03     | 8        | 370      | <2       | <0.01    | <2       | 1        | 136      | <20      |
| H098439            |                          | <1       | 0.04     | <10      | 0.93     | 700      | <1       | 0.04     | 62       | 220      | <2       | 0.04     | <2       | 4        | 11       | <20      |
| H098440            |                          | <1       | 0.03     | <10      | 0.62     | 422      | <1       | 0.03     | 76       | 220      | 2        | 0.04     | <2       | 3        | 12       | <20      |
| H098441            |                          | <1       | 0.01     | <10      | 1.33     | 437      | <1       | 0.04     | 66       | 180      | <2       | 0.02     | <2       | 3        | 6        | <20      |
| H098442            |                          | <1       | 0.46     | <10      | 3.29     | 1935     | <1       | 0.01     | 114      | 200      | <2       | <0.01    | <2       | 24       | 23       | <20      |
| H098443            |                          | <1       | 0.12     | 10       | 0.08     | 440      | <1       | 0.03     | 4        | 330      | <2       | 0.03     | <2       | <1       | 85       | <20      |
| H098444            |                          | <1       | 0.09     | 10       | 0.43     | 357      | <1       | 0.04     | 4        | 320      | 2        | 0.07     | <2       | 1        | 8        | <20      |
| H098445            |                          | <1       | 0.02     | <10      | 1.16     | 370      | <1       | 0.04     | 50       | 210      | <2       | 0.03     | <2       | 2        | 13       | <20      |
| H098446            |                          | <1       | 0.43     | 20       | 0.47     | 210      | <1       | 0.07     | 5        | 420      | 2        | <0.01    | <2       | 1        | 31       | <20      |
| H098447            |                          | <1       | 0.20     | <10      | 0.23     | 309      | <1       | 0.07     | 3        | 330      | 2        | 0.02     | <2       | 1        | 41       | <20      |
| H098448            |                          | <1       | 0.01     | <10      | 2.82     | 3980     | <1       | 0.01     | 133      | 270      | <2       | 0.02     | <2       | 16       | 29       | <20      |
| H098449            |                          | <1       | 1.14     | <10      | 2.03     | 975      | <1       | 0.05     | 80       | 160      | <2       | 0.38     | <2       | 9        | 4        | <20      |
| H098450            |                          | <1       | 0.34     | <10      | 0.76     | 544      | <1       | 0.06     | 122      | 130      | <2       | 0.65     | <2       | 4        | 8        | <20      |
| H098451            |                          | <1       | 0.07     | <10      | 1.66     | 775      | <1       | 0.05     | 61       | 160      | <2       | 0.01     | <2       | 5        | 11       | <20      |
| H098452            |                          | <1       | 0.16     | <10      | 0.91     | 812      | <1       | 0.08     | 109      | 140      | <2       | 0.05     | <2       | 5        | 6        | <20      |
| H098453            |                          | <1       | 0.04     | <10      | 0.66     | 303      | <1       | 0.05     | 14       | 200      | <2       | <0.01    | <2       | 2        | 11       | <20      |
| H098454            |                          | <1       | 0.01     | <10      | 2.48     | 1135     | <1       | 0.01     | 63       | 510      | <2       | 0.03     | <2       | 3        | 10       | <20      |
| H098455            |                          | <1       | <0.01    | <10      | 0.02     | 31       | <1       | 0.01     | 1        | 10       | <2       | <0.01    | <2       | <1       | 1        | <20      |
| H098456            |                          | <1       | <0.01    | <10      | 0.40     | 258      | <1       | <0.01    | 13       | 20       | <2       | 0.27     | <2       | 1        | 1        | <20      |
| H098457            |                          | <1       | 0.02     | <10      | 1.83     | 785      | <1       | 0.06     | 42       | 210      | <2       | <0.01    | <2       | 3        | 4        | <20      |
| H098458            |                          | <1       | 0.01     | <10      | 2.20     | 1415     | <1       | 0.03     | 147      | 210      | <2       | 0.02     | <2       | 4        | 22       | <20      |
| H098459            |                          | <1       | 0.08     | 10       | 0.54     | 403      | <1       | 0.04     | 7        | 380      | <2       | 0.02     | <2       | 1        | 31       | <20      |
| H098460            |                          | <1       | <0.01    | <10      | 11.40    | 583      | <1       | 0.01     | 1265     | 60       | <2       | 0.02     | <2       | 4        | 5        | <20      |



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**CERTIFICATE OF ANALYSIS TB08095780**

| Sample Description | Method Analyte Units LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Au-AA23 |        |
|--------------------|--------------------------|----------|----------|----------|----------|----------|---------|--------|
|                    |                          | Ti %     | Ti ppm   | U ppm    | V ppm    | W ppm    | Zn ppm  | Au ppm |
|                    |                          | 0.01     | 10       | 10       | 1        | 10       | 2       | 0.005  |
| H098421            |                          | 0.06     | <10      | <10      | 11       | <10      | 93      | <0.005 |
| H098422            |                          | 0.05     | <10      | <10      | 8        | <10      | 58      | <0.005 |
| H098423            |                          | 0.05     | <10      | <10      | 7        | <10      | 58      | <0.005 |
| H098424            |                          | 0.08     | <10      | <10      | 52       | <10      | 30      | <0.005 |
| H098425            |                          | 0.13     | <10      | <10      | 59       | <10      | 50      | <0.005 |
| H098426            |                          | 0.09     | <10      | <10      | 11       | <10      | 29      | <0.005 |
| H098427            |                          | 0.14     | <10      | <10      | 61       | <10      | 44      | <0.005 |
| H098428            |                          | 0.21     | <10      | <10      | 75       | <10      | 69      | <0.005 |
| H098429            |                          | 0.15     | <10      | <10      | 45       | <10      | 17      | <0.005 |
| H098430            |                          | 0.06     | <10      | <10      | 24       | <10      | 24      | <0.005 |
| H098431            |                          | 0.01     | <10      | <10      | 3        | <10      | 2       | <0.005 |
| H098432            |                          | 0.14     | <10      | <10      | 78       | <10      | 52      | <0.005 |
| H098433            |                          | 0.11     | <10      | <10      | 48       | <10      | 21      | <0.005 |
| H098434            |                          | 0.18     | <10      | <10      | 47       | <10      | 57      | <0.005 |
| H098435            |                          | 0.10     | <10      | <10      | 18       | <10      | 8       | <0.005 |
| H098436            |                          | 0.08     | <10      | <10      | 20       | <10      | 45      | <0.005 |
| H098437            |                          | 0.13     | <10      | <10      | 18       | <10      | 43      | <0.005 |
| H098438            |                          | 0.06     | <10      | <10      | 12       | <10      | 25      | <0.005 |
| H098439            |                          | 0.11     | <10      | <10      | 39       | <10      | 30      | <0.005 |
| H098440            |                          | 0.13     | <10      | <10      | 33       | <10      | 32      | <0.005 |
| H098441            |                          | 0.13     | <10      | <10      | 43       | <10      | 33      | <0.005 |
| H098442            |                          | 0.18     | <10      | <10      | 190      | <10      | 79      | <0.005 |
| H098443            |                          | 0.03     | <10      | <10      | 3        | <10      | 23      | <0.005 |
| H098444            |                          | 0.05     | <10      | <10      | 7        | <10      | 46      | <0.005 |
| H098445            |                          | 0.21     | <10      | <10      | 52       | <10      | 48      | <0.005 |
| H098446            |                          | 0.09     | <10      | <10      | 13       | <10      | 20      | <0.005 |
| H098447            |                          | 0.05     | <10      | <10      | 4        | <10      | 39      | <0.005 |
| H098448            |                          | 0.10     | <10      | <10      | 170      | <10      | 157     | <0.005 |
| H098449            |                          | 0.19     | <10      | <10      | 141      | <10      | 55      | <0.005 |
| H098450            |                          | 0.13     | <10      | <10      | 47       | <10      | 39      | <0.005 |
| H098451            |                          | 0.11     | <10      | <10      | 54       | <10      | 48      | <0.005 |
| H098452            |                          | 0.09     | <10      | <10      | 40       | <10      | 30      | <0.005 |
| H098453            |                          | 0.12     | <10      | <10      | 23       | <10      | 19      | <0.005 |
| H098454            |                          | 0.09     | <10      | <10      | 64       | <10      | 55      | <0.005 |
| H098455            |                          | 0.01     | <10      | <10      | 1        | <10      | <2      | <0.005 |
| H098456            |                          | 0.02     | <10      | <10      | 15       | <10      | 11      | <0.005 |
| H098457            |                          | 0.15     | <10      | <10      | 78       | <10      | 37      | 0.005  |
| H098458            |                          | 0.15     | <10      | <10      | 80       | <10      | 46      | <0.005 |
| H098459            |                          | 0.08     | <10      | <10      | 13       | <10      | 39      | <0.005 |
| H098460            |                          | 0.02     | <10      | <10      | 22       | <10      | 7       | <0.005 |



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**CERTIFICATE OF ANALYSIS TB08095780**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21          | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 |           |
|--------------------|-----------------------------------|-----------------|-----------|----------|-----------|----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|----------|-----------|
|                    |                                   | Recvd Wt.<br>kg | Ag<br>ppm | Al<br>%  | As<br>ppm | B<br>ppm | Ba<br>ppm | Be<br>ppm | Bi<br>ppm | Ca<br>%  | Cd<br>ppm | Co<br>ppm | Cr<br>ppm | Cu<br>ppm | Fe<br>%  | Ga<br>ppm |
|                    |                                   | 0.02            | 0.2       | 0.01     | 2         | 10       | 10        | 2         | 0.01      | 0.5      | 1         | 1         | 1         | 0.01      | 10       |           |
| H098461            |                                   | 0.77            | <0.2      | 1.48     | <2        | <10      | 10        | <0.5      | <2        | 0.60     | <0.5      | 14        | 76        | 4         | 2.17     | <10       |
| H098462            |                                   | 0.55            | <0.2      | 0.35     | 3         | <10      | <10       | <0.5      | <2        | 1.12     | <0.5      | 54        | 679       | 6         | 2.46     | <10       |
| H098463            |                                   | 0.75            | <0.2      | 2.53     | <2        | <10      | 20        | <0.5      | <2        | 0.35     | <0.5      | 20        | 172       | <1        | 3.23     | <10       |
| H098464            |                                   | 1.04            | <0.2      | 2.75     | 2         | <10      | 30        | <0.5      | <2        | 0.59     | <0.5      | 30        | 41        | 89        | 5.71     | 10        |
| H098465            |                                   | 0.60            | <0.2      | 4.48     | <2        | <10      | 10        | <0.5      | <2        | 5.43     | <0.5      | 33        | 87        | 17        | 8.32     | 20        |
| H098466            |                                   | 0.92            | <0.2      | 5.43     | <2        | <10      | 10        | <0.5      | <2        | 5.80     | <0.5      | 33        | 444       | 19        | 10.10    | 10        |
| H098467            |                                   | 1.61            | <0.2      | 0.35     | 2         | <10      | 10        | <0.5      | <2        | 0.60     | <0.5      | 5         | 46        | 1         | 1.00     | <10       |
| H098468            |                                   | 0.45            | <0.2      | 3.84     | <2        | <10      | 20        | <0.5      | <2        | 5.86     | <0.5      | 52        | 601       | 23        | 6.82     | 10        |
| H098469            |                                   | 0.77            | <0.2      | 0.80     | <2        | <10      | 30        | <0.5      | <2        | 0.91     | <0.5      | 7         | 16        | 1         | 1.46     | <10       |
| H098470            |                                   | 0.75            | <0.2      | 3.08     | 2         | <10      | 10        | <0.5      | <2        | 1.71     | <0.5      | 38        | 7         | 169       | 6.53     | 10        |
| H098471            |                                   | 0.48            | <0.2      | 3.47     | <2        | <10      | 10        | <0.5      | 2         | 1.70     | <0.5      | 25        | <1        | 4         | 11.55    | 20        |
| H098472            |                                   | 0.75            | <0.2      | 3.44     | 2         | <10      | 20        | <0.5      | <2        | 2.53     | <0.5      | 28        | <1        | 20        | 11.10    | 20        |
| H098473            |                                   | 1.10            | <0.2      | 2.16     | <2        | <10      | 80        | <0.5      | <2        | 2.59     | <0.5      | 18        | 13        | 17        | 4.62     | 10        |
| H098474            |                                   | 0.42            | <0.2      | 4.96     | 4         | <10      | 40        | <0.5      | <2        | 4.54     | <0.5      | 31        | 63        | 91        | 15.9     | 20        |
| H098475            |                                   | 1.02            | <0.2      | 4.68     | <2        | <10      | 20        | <0.5      | <2        | 4.21     | <0.5      | 37        | 182       | 3         | 7.17     | 20        |
| H098476            |                                   | 0.90            | <0.2      | 4.68     | 3         | <10      | 10        | <0.5      | <2        | 4.57     | <0.5      | 32        | 33        | 157       | 8.93     | 20        |
| H098477            |                                   | 1.12            | <0.2      | 4.17     | 2         | <10      | 20        | <0.5      | <2        | 3.82     | <0.5      | 22        | 55        | 21        | 7.38     | 20        |
| H098478            |                                   | 0.86            | <0.2      | 4.59     | <2        | <10      | 10        | <0.5      | <2        | 4.86     | <0.5      | 26        | 70        | 49        | 8.87     | 20        |
| H098479            |                                   | 0.94            | <0.2      | 3.41     | <2        | <10      | <10       | <0.5      | <2        | 12.25    | <0.5      | 19        | 30        | 117       | 6.03     | 10        |
| H098480            |                                   | 0.82            | <0.2      | 5.98     | <2        | <10      | <10       | <0.5      | <2        | 0.85     | <0.5      | 37        | 79        | 107       | 10.20    | 20        |





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Project: OFF LAKE

## CERTIFICATE OF ANALYSIS TB08095780

| Sample Description | Method Analyte Units LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    |                          | Hg ppm   | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   |
|                    |                          | 1        | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 2        | 1        | 1        | 20       |
| H098461            |                          | <1       | 0.02     | <10      | 1.27     | 315      | <1       | 0.03     | 22       | 260      | <2       | <0.01    | <2       | 3        | 17       | <20      |
| H098462            |                          | <1       | <0.01    | <10      | 10.00    | 358      | <1       | <0.01    | 1245     | 10       | <2       | 0.03     | <2       | 3        | 29       | <20      |
| H098463            |                          | <1       | 0.04     | <10      | 2.59     | 401      | <1       | 0.03     | 45       | 300      | <2       | <0.01    | <2       | 4        | 3        | <20      |
| H098464            |                          | <1       | 0.10     | <10      | 1.91     | 608      | <1       | 0.04     | 73       | 240      | <2       | 0.06     | <2       | 2        | 12       | <20      |
| H098465            |                          | <1       | 0.01     | <10      | 3.22     | 861      | <1       | 0.03     | 89       | 220      | <2       | 0.01     | <2       | 20       | 128      | <20      |
| H098466            |                          | <1       | 0.01     | <10      | 3.57     | 3000     | <1       | 0.02     | 88       | 200      | <2       | 0.03     | <2       | 34       | 103      | <20      |
| H098467            |                          | <1       | 0.01     | <10      | 0.26     | 231      | <1       | 0.01     | 19       | 130      | <2       | <0.01    | <2       | 2        | 10       | <20      |
| H098468            |                          | <1       | 0.03     | <10      | 3.28     | 1905     | <1       | 0.04     | 291      | 320      | <2       | 0.09     | <2       | 36       | 128      | <20      |
| H098469            |                          | <1       | 0.10     | 10       | 0.39     | 146      | <1       | 0.06     | 9        | 310      | <2       | <0.01    | <2       | 1        | 52       | <20      |
| H098470            |                          | <1       | 0.01     | <10      | 2.19     | 1000     | <1       | 0.04     | 31       | 490      | <2       | 0.12     | <2       | 6        | 48       | <20      |
| H098471            |                          | <1       | 0.01     | <10      | 2.14     | 1745     | <1       | 0.04     | <1       | 1550     | <2       | 0.01     | <2       | 15       | 23       | <20      |
| H098472            |                          | <1       | 0.01     | <10      | 2.00     | 1580     | <1       | 0.04     | <1       | 1240     | <2       | 0.08     | <2       | 22       | 48       | <20      |
| H098473            |                          | <1       | 0.41     | <10      | 1.77     | 981      | <1       | 0.01     | 20       | 140      | <2       | <0.01    | <2       | 12       | 25       | <20      |
| H098474            |                          | <1       | 0.02     | <10      | 2.98     | 2160     | 1        | 0.02     | 49       | 870      | <2       | 0.34     | <2       | 32       | 195      | <20      |
| H098475            |                          | <1       | 0.01     | <10      | 3.94     | 1705     | <1       | 0.02     | 89       | 970      | <2       | <0.01    | <2       | 36       | 130      | <20      |
| H098476            |                          | <1       | 0.02     | <10      | 2.51     | 1785     | <1       | 0.03     | 34       | 910      | <2       | 0.11     | <2       | 27       | 69       | <20      |
| H098477            |                          | <1       | 0.04     | <10      | 2.24     | 1590     | <1       | 0.03     | 39       | 820      | <2       | 0.05     | 3        | 13       | 61       | <20      |
| H098478            |                          | <1       | 0.01     | <10      | 2.21     | 1590     | <1       | 0.03     | 42       | 800      | <2       | 0.02     | <2       | 29       | 89       | <20      |
| H098479            |                          | <1       | <0.01    | <10      | 2.06     | 2770     | <1       | 0.01     | 19       | 140      | <2       | 0.78     | <2       | 17       | 235      | <20      |
| H098480            |                          | <1       | <0.01    | <10      | 4.34     | 918      | <1       | 0.02     | 55       | 910      | <2       | 0.44     | <2       | 37       | 37       | <20      |



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**CERTIFICATE OF ANALYSIS TB08095780**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Au-AA23 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|----------|---------|
|                    |                                   | Ti       | Ti       | U        | V        | W        | Zn       | Au      |
|                    |                                   | %        | ppm      | ppm      | ppm      | ppm      | ppm      | ppm     |
|                    |                                   | 0.01     | 10       | 10       | 1        | 10       | 2        | 0.005   |
| H098461            |                                   | 0.16     | <10      | <10      | 43       | <10      | 16       | <0.005  |
| H098462            |                                   | 0.02     | <10      | <10      | 17       | <10      | 6        | <0.005  |
| H098463            |                                   | 0.12     | <10      | <10      | 67       | <10      | 20       | <0.005  |
| H098464            |                                   | 0.20     | <10      | <10      | 72       | <10      | 94       | <0.005  |
| H098465            |                                   | 0.05     | <10      | <10      | 178      | <10      | 81       | <0.005  |
| H098466            |                                   | 0.11     | <10      | <10      | 204      | <10      | 102      | <0.005  |
| H098467            |                                   | 0.03     | <10      | <10      | 13       | <10      | 7        | <0.005  |
| H098468            |                                   | 0.06     | <10      | <10      | 201      | <10      | 78       | <0.005  |
| H098469            |                                   | 0.02     | <10      | <10      | 9        | <10      | 37       | <0.005  |
| H098470            |                                   | 0.36     | <10      | <10      | 141      | <10      | 69       | <0.005  |
| H098471            |                                   | 0.31     | <10      | <10      | 69       | <10      | 132      | <0.005  |
| H098472            |                                   | 0.32     | <10      | <10      | 103      | <10      | 123      | <0.005  |
| H098473            |                                   | 0.21     | <10      | <10      | 251      | <10      | 61       | <0.005  |
| H098474            |                                   | 0.06     | <10      | <10      | 335      | <10      | 107      | <0.005  |
| H098475            |                                   | 0.03     | <10      | <10      | 276      | <10      | 147      | <0.005  |
| H098476            |                                   | 0.22     | <10      | <10      | 261      | <10      | 148      | <0.005  |
| H098477            |                                   | 0.03     | <10      | <10      | 189      | <10      | 100      | <0.005  |
| H098478            |                                   | 0.03     | <10      | <10      | 300      | <10      | 67       | <0.005  |
| H098479            |                                   | 0.02     | <10      | <10      | 167      | <10      | 57       | <0.005  |
| H098480            |                                   | 0.03     | <10      | <10      | 331      | <10      | 63       | <0.005  |



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## CERTIFICATE TB08100094

Project: OFF LAKE

P.O. No.:

This report is for 80 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 22-JUL-2008.

The following have access to data associated with this certificate:

CJ BAKER  
NELSON BAKER

NELSON BAKER  
ALLEN RAOUL

CJ BAKER

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION                    |
|----------|--------------------------------|
| WEI-21   | Received Sample Weight         |
| LOG-22   | Sample login - Rcd w/o BarCode |
| CRU-QC   | Crushing QC Test               |
| PUL-QC   | Pulverizing QC Test            |
| CRU-31   | Fine crushing - 70% <2mm       |
| SPL-21   | Split sample - riffle splitter |
| PUL-31   | Pulverize split to 85% <75 um  |

## ANALYTICAL PROCEDURES

| ALS CODE  | DESCRIPTION                   | INSTRUMENT |
|-----------|-------------------------------|------------|
| ME-ICP41  | 35 Element Aqua Regia ICP-AES | ICP-AES    |
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP         | ICP-AES    |
| Au-AA23   | Au 30g FA-AA finish           | AAS        |

To: RAINY RIVER RESOURCES LTD.  
ATTN: ALLEN RAOUL  
P.O.BOX 5, 48 MARION STREET  
ECHO LAKES ESTATE  
EMO ON P0W 1E0

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

  
Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS TB08104713**

| Sample Description | Method  | WEI-21    | Au-AA23 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|--------------------|---------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    | Analyte | Recvd Wt. | Au      | Ag       | Al       | As       | B        | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       |
|                    | Units   | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        |
|                    | LOR     |           |         |          |          |          |          |          |          |          |          |          |          |          |          |          |
|                    |         | 0.02      | 0.005   | 0.2      | 0.01     | 2        | 10       | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     |
| C371001            |         | 0.56      | <0.005  | 0.2      | 3.70     | 8        | <10      | 30       | <0.5     | 3        | 1.57     | <0.5     | 33       | 97       | 45       | 5.89     |
| C371002            |         | 1.31      | <0.005  | 0.2      | 1.54     | 4        | <10      | 40       | <0.5     | 3        | 1.35     | <0.5     | 6        | 4        | 11       | 3.16     |
| C371003            |         | 1.07      | <0.005  | <0.2     | 0.75     | <2       | <10      | 40       | <0.5     | <2       | 1.90     | <0.5     | 6        | 6        | 21       | 1.34     |
|                    |         | 1.07      | <0.005  | <0.2     | 1.28     | 3        | <10      | 30       | <0.5     | <2       | 2.52     | <0.5     | 9        | 5        | 16       | 3.37     |
|                    |         | 1.38      | <0.005  | <0.2     | 1.14     | <2       | <10      | 30       | <0.5     | <2       | 1.77     | <0.5     | 7        | 7        | 9        | 2.16     |
|                    |         | 0.24      | <0.005  | <0.2     | 1.17     | <2       | <10      | 20       | <0.5     | <2       | 2.18     | <0.5     | 8        | 12       | 22       | 2.17     |
|                    |         | 0.65      | <0.005  | <0.2     | 1.52     | 3        | <10      | 10       | <0.5     | <2       | 1.08     | <0.5     | 14       | 18       | 15       | 2.15     |
|                    |         | 1.73      | <0.005  | <0.2     | 1.10     | <2       | <10      | 40       | <0.5     | <2       | 0.87     | <0.5     | 12       | 13       | 27       | 2.24     |
|                    |         | 0.56      | 0.007   | 0.4      | 0.48     | <2       | <10      | 40       | <0.5     | <2       | 0.83     | <0.5     | 8        | 10       | 82       | 0.85     |
|                    |         | 1.09      | 0.005   | <0.2     | 0.60     | <2       | <10      | 30       | <0.5     | <2       | 1.53     | <0.5     | 6        | 3        | <1       | 1.13     |
|                    |         | 0.89      | 0.005   | <0.2     | 0.66     | <2       | <10      | 40       | <0.5     | <2       | 1.07     | <0.5     | 5        | 4        | 12       | 1.08     |
|                    |         | 0.51      | 0.006   | <0.2     | 0.49     | <2       | <10      | 30       | <0.5     | <2       | 1.08     | <0.5     | 4        | 5        | 2        | 1.10     |
|                    |         | 0.70      | <0.005  | <0.2     | 1.01     | <2       | <10      | 40       | <0.5     | <2       | 0.85     | <0.5     | 8        | 7        | 1        | 1.85     |
|                    |         | 0.89      | <0.005  | <0.2     | 0.90     | <2       | <10      | 40       | <0.5     | <2       | 2.12     | <0.5     | 6        | 6        | 18       | 1.46     |
|                    |         | 0.64      | <0.005  | <0.2     | 1.31     | <2       | <10      | 30       | <0.5     | 2        | 0.89     | <0.5     | 6        | 8        | 8        | 1.59     |
|                    |         | 1.14      | <0.005  | <0.2     | 1.03     | <2       | <10      | 30       | <0.5     | <2       | 1.95     | <0.5     | 7        | 6        | 2        | 1.84     |
|                    |         | 0.55      | <0.005  | <0.2     | 1.15     | <2       | <10      | 30       | <0.5     | <2       | 0.59     | <0.5     | 9        | 9        | 3        | 1.82     |
|                    |         | 1.07      | <0.005  | <0.2     | 0.06     | <2       | <10      | 10       | <0.5     | 2        | 0.18     | <0.5     | 1        | 11       | <1       | 0.43     |
|                    |         | 0.76      | <0.005  | 0.2      | 0.92     | <2       | <10      | 30       | <0.5     | 2        | 0.87     | <0.5     | 7        | 12       | 13       | 1.59     |
|                    |         | 0.93      | <0.005  | <0.2     | 0.70     | <2       | <10      | 40       | <0.5     | <2       | 0.61     | <0.5     | 6        | 13       | 6        | 1.35     |
| H098481            |         | 0.47      | <0.005  | <0.2     | 4.13     | <2       | <10      | 20       | <0.5     | 3        | 6.96     | <0.5     | 31       | 177      | 29       | 8.46     |
| H098482            |         | 0.50      | <0.005  | 0.3      | 5.57     | 9        | <10      | 20       | <0.5     | 3        | 3.68     | <0.5     | 48       | 66       | 77       | 11.30    |
| H098483            |         | 0.49      | <0.005  | <0.2     | 4.68     | 2        | <10      | 10       | <0.5     | 3        | 4.24     | <0.5     | 37       | 62       | 68       | 9.07     |
| H098484            |         | 1.98      | <0.005  | <0.2     | 3.72     | <2       | <10      | 30       | <0.5     | 3        | 2.03     | <0.5     | 33       | 115      | 40       | 5.46     |
| H098485            |         | 0.83      | <0.005  | <0.2     | 4.05     | <2       | <10      | 10       | <0.5     | 4        | 3.83     | <0.5     | 40       | <1       | 3        | 12.00    |
| H098486            |         | 0.28      | <0.005  | 0.3      | 3.85     | <2       | <10      | 40       | <0.5     | 2        | 4.36     | <0.5     | 41       | 65       | 48       | 9.09     |
| H098487            |         | 0.91      | <0.005  | <0.2     | 2.23     | <2       | <10      | 10       | <0.5     | <2       | 5.52     | <0.5     | 24       | 203      | 25       | 4.86     |
| H098488            |         | 0.54      | <0.005  | <0.2     | 4.49     | 7        | <10      | 50       | <0.5     | <2       | 5.06     | <0.5     | 67       | 901      | 10       | 7.43     |
| H098489            |         | 0.95      | <0.005  | 0.4      | 4.57     | <2       | <10      | 90       | <0.5     | <2       | 5.58     | <0.5     | 26       | 465      | <1       | 6.46     |
| H098490            |         | 0.87      | 0.006   | 0.2      | 3.29     | <2       | <10      | 30       | <0.5     | 2        | 3.56     | <0.5     | 37       | 111      | 72       | 6.85     |
| H098491            |         | 1.05      | 0.005   | 0.2      | 1.88     | <2       | <10      | 20       | <0.5     | 2        | 1.56     | <0.5     | 25       | 30       | 107      | 4.64     |
| H098492            |         | 1.10      | <0.005  | <0.2     | 0.76     | <2       | <10      | 80       | <0.5     | <2       | 0.72     | <0.5     | 5        | 8        | 13       | 1.40     |
| H098493            |         | 1.56      | 0.005   | 0.5      | 1.90     | 2        | <10      | 90       | <0.5     | 3        | 0.86     | <0.5     | 42       | 29       | 159      | 5.46     |
| H098494            |         | 1.14      | <0.005  | <0.2     | 1.04     | 4        | <10      | 20       | <0.5     | 2        | 1.15     | <0.5     | 23       | 6        | 79       | 8.01     |
| H098495            |         | 1.17      | <0.005  | <0.2     | 1.68     | <2       | <10      | 10       | <0.5     | 2        | 1.66     | <0.5     | 17       | 12       | 67       | 4.62     |
|                    |         | 0.56      | <0.005  | <0.2     | 0.79     | <2       | <10      | 90       | <0.5     | <2       | 0.89     | <0.5     | 6        | 8        | 2        | 1.31     |
|                    |         | 0.75      | <0.005  | 0.2      | 1.94     | <2       | <10      | 20       | <0.5     | 2        | 0.75     | <0.5     | 18       | 83       | 38       | 3.16     |
|                    |         | 0.94      | <0.005  | 0.2      | 3.06     | <2       | <10      | 30       | <0.5     | 2        | 0.71     | <0.5     | 23       | 97       | 30       | 5.24     |
|                    |         | 1.52      | <0.005  | <0.2     | 2.91     | <2       | <10      | 20       | <0.5     | 3        | 2.38     | <0.5     | 23       | 47       | 65       | 4.55     |
| H098500            |         | 0.51      | <0.005  | <0.2     | 4.18     | <2       | <10      | 10       | <0.5     | 2        | 4.66     | <0.5     | 44       | 72       | 126      | 9.33     |



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 Finalized Date: 14-AUG-2008  
 Account: RRR

Project: OFF LAKE

**CERTIFICATE OF ANALYSIS TB08104713**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41        | ME-ICP41       | ME-ICP41       | ME-ICP41        | ME-ICP41        | ME-ICP41       | ME-ICP41       | ME-ICP41        | ME-ICP41       | ME-ICP41       | ME-ICP41       | ME-ICP41       | ME-ICP41       | ME-ICP41       |                |
|--------------------|-----------------------------------|-----------------|----------------|----------------|-----------------|-----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                    |                                   | Ga<br>ppm<br>10 | Hg<br>ppm<br>1 | K<br>%<br>0.01 | La<br>ppm<br>10 | Mg<br>%<br>0.01 | Mn<br>ppm<br>5 | Mo<br>ppm<br>1 | Na<br>%<br>0.01 | Ni<br>ppm<br>1 | P<br>ppm<br>10 | Pb<br>ppm<br>2 | S<br>%<br>0.01 | Sb<br>ppm<br>2 | Sc<br>ppm<br>1 | Sr<br>ppm<br>1 |
| C371001            |                                   | 10              | <1             | 0.05           | <10             | 3.09            | 915            | <1             | 0.03            | 123            | 310            | <2             | 0.10           | 2              | 2              | 29             |
| C371002            |                                   | 10              | <1             | 0.09           | 10              | 0.73            | 597            | <1             | 0.04            | 7              | 380            | <2             | 0.15           | <2             | 1              | 59             |
| C371003            |                                   | <10             | <1             | 0.12           | 10              | 0.31            | 322            | <1             | 0.04            | 12             | 370            | <2             | 0.02           | <2             | 1              | 55             |
| [REDACTED]         |                                   | <10             | <1             | 0.12           | 10              | 0.63            | 541            | <1             | 0.03            | 11             | 430            | <2             | 0.75           | <2             | 1              | 71             |
| [REDACTED]         |                                   | <10             | <1             | 0.11           | 10              | 0.54            | 367            | <1             | 0.03            | 11             | 410            | <2             | 0.16           | <2             | 1              | 43             |
| [REDACTED]         |                                   | <10             | <1             | 0.07           | 10              | 0.62            | 361            | <1             | 0.05            | 10             | 450            | 4              | 0.07           | <2             | 1              | 44             |
| [REDACTED]         |                                   | <10             | <1             | 0.05           | 10              | 1.18            | 298            | <1             | 0.05            | 33             | 780            | <2             | 0.12           | <2             | 2              | 200            |
| [REDACTED]         |                                   | <10             | <1             | 0.13           | <10             | 0.71            | 356            | <1             | 0.04            | 20             | 550            | <2             | 0.43           | <2             | 1              | 92             |
| [REDACTED]         |                                   | <10             | <1             | 0.11           | 10              | 0.31            | 152            | <1             | 0.02            | 9              | 470            | 3              | 0.12           | <2             | 1              | 54             |
| [REDACTED]         |                                   | <10             | <1             | 0.12           | 10              | 0.21            | 164            | <1             | 0.05            | 3              | 310            | <2             | 0.04           | <2             | <1             | 39             |
| [REDACTED]         |                                   | <10             | <1             | 0.14           | 10              | 0.24            | 176            | <1             | 0.02            | 4              | 370            | <2             | 0.01           | <2             | <1             | 43             |
| [REDACTED]         |                                   | <10             | <1             | 0.07           | <10             | 0.19            | 206            | <1             | 0.04            | 4              | 280            | <2             | 0.01           | <2             | <1             | 31             |
| [REDACTED]         |                                   | <10             | <1             | 0.10           | 10              | 0.62            | 167            | <1             | 0.03            | 6              | 460            | <2             | <0.01          | <2             | 1              | 34             |
| [REDACTED]         |                                   | <10             | <1             | 0.17           | 10              | 0.49            | 384            | <1             | 0.02            | 12             | 550            | 2              | 0.01           | <2             | 1              | 74             |
| [REDACTED]         |                                   | <10             | <1             | 0.09           | 10              | 0.87            | 244            | <1             | 0.03            | 11             | 1270           | <2             | 0.01           | <2             | 1              | 40             |
| [REDACTED]         |                                   | <10             | <1             | 0.16           | 10              | 0.56            | 365            | <1             | 0.03            | 8              | 490            | <2             | 0.01           | <2             | 1              | 58             |
| [REDACTED]         |                                   | <10             | <1             | 0.12           | 10              | 0.66            | 272            | <1             | 0.04            | 11             | 480            | <2             | 0.01           | <2             | 1              | 67             |
| [REDACTED]         |                                   | <10             | <1             | 0.02           | <10             | 0.02            | 109            | <1             | 0.01            | 2              | 50             | <2             | <0.01          | <2             | <1             | 6              |
| [REDACTED]         |                                   | 10              | <1             | 0.20           | 10              | 0.48            | 240            | <1             | 0.04            | 11             | 460            | <2             | 0.03           | <2             | 1              | 54             |
| [REDACTED]         |                                   | <10             | <1             | 0.20           | <10             | 0.37            | 226            | <1             | 0.03            | 7              | 270            | <2             | 0.02           | <2             | 1              | 37             |
| H098481            |                                   | 20              | <1             | 0.02           | 30              | 2.61            | 2230           | <1             | 0.03            | 114            | 2200           | <2             | 0.09           | <2             | 25             | 253            |
| H098482            |                                   | 20              | <1             | 0.01           | <10             | 2.96            | 2240           | <1             | 0.01            | 71             | 790            | <2             | 0.88           | <2             | 37             | 96             |
| H098483            |                                   | 20              | <1             | 0.02           | <10             | 2.26            | 2440           | <1             | 0.02            | 49             | 760            | <2             | 0.11           | <2             | 26             | 101            |
| H098484            |                                   | 10              | <1             | 0.04           | <10             | 3.07            | 929            | <1             | 0.03            | 83             | 400            | <2             | 0.02           | <2             | 4              | 35             |
| H098485            |                                   | 20              | <1             | 0.01           | <10             | 3.28            | 1560           | <1             | 0.02            | <1             | 530            | <2             | 0.01           | <2             | 32             | 28             |
| H098486            |                                   | 20              | <1             | 0.04           | <10             | 1.62            | 2310           | <1             | 0.03            | 59             | 830            | <2             | 0.19           | <2             | 25             | 162            |
| H098487            |                                   | 10              | <1             | 0.01           | 70              | 3.80            | 1070           | <1             | 0.04            | 167            | 4620           | 2              | 0.04           | <2             | 11             | 732            |
| H098488            |                                   | 10              | <1             | 0.06           | <10             | 2.92            | 2390           | <1             | 0.01            | 367            | 230            | <2             | 0.09           | <2             | 17             | 101            |
| H098489            |                                   | 10              | <1             | 0.40           | 40              | 4.46            | 1690           | <1             | 0.01            | 145            | 1430           | <2             | <0.01          | <2             | 17             | 126            |
| H098490            |                                   | 20              | <1             | 0.06           | 10              | 1.61            | 1055           | <1             | 0.03            | 46             | 810            | <2             | 0.01           | <2             | 19             | 64             |
| H098491            |                                   | 10              | <1             | 0.11           | 10              | 0.75            | 627            | <1             | 0.16            | 26             | 960            | <2             | 0.27           | <2             | 13             | 16             |
| H098492            |                                   | <10             | <1             | 0.18           | 10              | 0.36            | 296            | <1             | 0.04            | 5              | 330            | 2              | 0.01           | <2             | 1              | 12             |
| H098493            |                                   | 10              | <1             | 0.28           | <10             | 1.37            | 829            | <1             | 0.09            | 40             | 250            | <2             | 1.21           | <2             | 10             | 13             |
| H098494            |                                   | 10              | <1             | 0.10           | 10              | 0.51            | 318            | <1             | 0.12            | 1              | 1840           | <2             | 0.36           | <2             | 9              | 15             |
| H098495            |                                   | 10              | <1             | 0.07           | <10             | 0.67            | 539            | <1             | 0.16            | 9              | 810            | <2             | 0.12           | <2             | 9              | 12             |
| [REDACTED]         |                                   | <10             | <1             | 0.52           | 10              | 0.41            | 286            | <1             | 0.06            | 6              | 380            | <2             | <0.01          | <2             | 1              | 45             |
| [REDACTED]         |                                   | <10             | <1             | 0.07           | <10             | 1.39            | 507            | <1             | 0.03            | 69             | 650            | <2             | <0.01          | <2             | 2              | 37             |
| [REDACTED]         |                                   | 10              | <1             | 0.05           | <10             | 2.47            | 939            | <1             | 0.02            | 82             | 630            | 2              | <0.01          | <2             | 4              | 15             |
| [REDACTED]         |                                   | 10              | <1             | 0.02           | 10              | 2.15            | 893            | <1             | 0.01            | 83             | 580            | <2             | <0.01          | <2             | 4              | 41             |
| H098500            |                                   | 20              | <1             | 0.01           | 10              | 2.46            | 1385           | <1             | 0.02            | 56             | 830            | <2             | 0.40           | <2             | 34             | 112            |



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 Account: RRR

Project: OFF LAKE

**CERTIFICATE OF ANALYSIS TB08104713**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41        | ME-ICP41        | ME-ICP41        | ME-ICP41       | ME-ICP41      | ME-ICP41       |
|--------------------|-----------------------------------|-----------------|-----------------|-----------------|----------------|---------------|----------------|
|                    |                                   | Th<br>ppm<br>20 | Ti<br>%<br>0.01 | Ti<br>ppm<br>10 | U<br>ppm<br>10 | V<br>ppm<br>1 | W<br>ppm<br>10 |
| C371001            |                                   | <20             | 0.23            | <10             | <10            | 83            | <10            |
| C371002            |                                   | <20             | <0.01           | <10             | <10            | 12            | <10            |
| C371003            |                                   | <20             | 0.07            | <10             | <10            | 6             | <10            |
|                    |                                   | <20             | 0.03            | <10             | <10            | 8             | <10            |
|                    |                                   | <20             | 0.06            | <10             | <10            | 10            | <10            |
|                    |                                   | <20             | 0.07            | <10             | <10            | 14            | <10            |
|                    |                                   | <20             | 0.14            | <10             | <10            | 34            | <10            |
|                    |                                   | <20             | 0.10            | <10             | <10            | 16            | <10            |
|                    |                                   | <20             | 0.02            | <10             | <10            | 6             | <10            |
|                    |                                   | <20             | <0.01           | <10             | <10            | 2             | <10            |
|                    |                                   | <20             | <0.01           | <10             | <10            | 3             | <10            |
|                    |                                   | <20             | <0.01           | <10             | <10            | 3             | <10            |
|                    |                                   | <20             | <0.01           | <10             | <10            | 10            | <10            |
|                    |                                   | <20             | 0.06            | <10             | <10            | 7             | <10            |
|                    |                                   | <20             | 0.01            | <10             | <10            | 9             | <10            |
|                    |                                   | <20             | 0.06            | <10             | <10            | 8             | <10            |
|                    |                                   | <20             | 0.09            | <10             | <10            | 14            | <10            |
|                    |                                   | <20             | <0.01           | <10             | <10            | 1             | <10            |
|                    |                                   | <20             | 0.11            | <10             | <10            | 14            | <10            |
|                    |                                   | <20             | 0.07            | <10             | <10            | 11            | <10            |
| H098481            |                                   | <20             | 0.02            | <10             | <10            | 238           | <10            |
| H098482            |                                   | <20             | 0.01            | <10             | <10            | 343           | <10            |
| H098483            |                                   | <20             | 0.01            | <10             | <10            | 267           | <10            |
| H098484            |                                   | <20             | 0.32            | <10             | <10            | 96            | <10            |
| H098485            |                                   | <20             | 0.64            | <10             | <10            | 553           | <10            |
| H098486            |                                   | <20             | 0.10            | <10             | <10            | 279           | <10            |
| H098487            |                                   | <20             | 0.01            | <10             | <10            | 98            | <10            |
| H098488            |                                   | <20             | 0.01            | <10             | <10            | 132           | <10            |
| H098489            |                                   | <20             | 0.09            | <10             | <10            | 130           | <10            |
| H098490            |                                   | <20             | 0.10            | <10             | <10            | 241           | <10            |
| H098491            |                                   | <20             | 0.17            | <10             | <10            | 136           | <10            |
| H098492            |                                   | <20             | 0.06            | <10             | <10            | 11            | <10            |
| H098493            |                                   | <20             | 0.13            | <10             | <10            | 90            | <10            |
| H098494            |                                   | <20             | 0.17            | <10             | <10            | 9             | <10            |
| H098495            |                                   | <20             | 0.19            | <10             | <10            | 96            | <10            |
|                    |                                   | <20             | 0.10            | <10             | <10            | 12            | <10            |
|                    |                                   | <20             | 0.25            | <10             | <10            | 39            | <10            |
|                    |                                   | <20             | 0.28            | <10             | <10            | 76            | <10            |
|                    |                                   | <20             | 0.33            | <10             | <10            | 76            | <10            |
| H098500            |                                   | <20             | 0.09            | <10             | <10            | 337           | <10            |



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Finalized Date: 13-SEP-2008

Account: RRR

## CERTIFICATE TB08122086

Project: OFF LAKE

P.O. No.:

This report is for 2 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 3-SEP-2008.

The following have access to data associated with this certificate:

CJ BAKER

NELSON BAKER

ALLEN RAOUL

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION                   |
|----------|-------------------------------|
| FND-02   | Find Sample for Addn Analysis |

## ANALYTICAL PROCEDURES

| ALS CODE  | DESCRIPTION           | INSTRUMENT |
|-----------|-----------------------|------------|
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES    |

To: RAINY RIVER RESOURCES LTD.

ATTN: ALLEN RAOUL

P.O.BOX 5, 48 MARION STREET

ECHO LAKES ESTATE

EMO ON P0W 1E0

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

  
Colin Ramshaw, Vancouver Laboratory Manager



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Total # Pages: 2 (A)

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Account: RRR

Project: OFF LAKE

## CERTIFICATE OF ANALYSIS TB08122086

| Sample Description | Method<br>Analyte<br>Units<br>LOR | PGM-ICP23          | PGM-ICP23          | PGM-ICP23          |
|--------------------|-----------------------------------|--------------------|--------------------|--------------------|
|                    |                                   | Au<br>ppm<br>0.001 | Pt<br>ppm<br>0.005 | Pd<br>ppm<br>0.001 |
| H098450            |                                   | <0.001             | 0.013              | 0.010              |
| H098451            |                                   | <0.001             | 0.010              | 0.008              |





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Page: 1

Finalized Date: 29-AUG-2008

Account: RRR

## CERTIFICATE TB08117880

Project: OFF LAKE

P.O. No.:

This report is for 100 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 21-AUG-2008.

The following have access to data associated with this certificate:

CJ BAKER  
NELSON BAKER

NELSON BAKER  
ALLEN RAOUL

CJ BAKER

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION                    |
|----------|--------------------------------|
| WEI-21   | Received Sample Weight         |
| LOG-22   | Sample login - Rcd w/o BarCode |
| CRU-QC   | Crushing QC Test               |
| PUL-QC   | Pulverizing QC Test            |
| CRU-31   | Fine crushing - 70% <2mm       |
| SPL-21   | Split sample - riffle splitter |
| PUL-31   | Pulverize split to 85% <75 um  |

## ANALYTICAL PROCEDURES

| ALS CODE  | DESCRIPTION                   | INSTRUMENT |
|-----------|-------------------------------|------------|
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP         | ICP-AES    |
| Au-AA23   | Au 30g FA-AA finish           | AAS        |
| ME-ICP41  | 35 Element Aqua Regia ICP-AES | ICP-AES    |

To: RAINY RIVER RESOURCES LTD.  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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 Account: RRR

Project: OFF LAKE

**CERTIFICATE OF ANALYSIS TB08117880**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21          | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  |
|--------------------|-----------------------------------|-----------------|-----------|----------|-----------|----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|----------|-----------|
|                    |                                   | Recvd Wt.<br>kg | Ag<br>ppm | Al<br>%  | As<br>ppm | B<br>ppm | Ba<br>ppm | Be<br>ppm | Bi<br>ppm | Ca<br>%  | Cd<br>ppm | Co<br>ppm | Cr<br>ppm | Cu<br>ppm | Fe<br>%  | Ga<br>ppm |
|                    |                                   | 0.02            | 0.2       | 0.01     | 2         | 10       | 10        | 0.5       | 2         | 0.01     | 0.5       | 1         | 1         | 1         | 0.01     | 10        |
|                    |                                   | 1.11            | 1.6       | 1.56     | <2        | <10      | 20        | <0.5      | <2        | 1.50     | <0.5      | 23        | 52        | 843       | 5.20     | 10        |
|                    |                                   | 0.93            | <0.2      | 2.99     | <2        | <10      | 30        | <0.5      | <2        | 2.35     | <0.5      | 19        | 68        | 40        | 4.20     | 10        |
|                    |                                   | 0.77            | <0.2      | 1.31     | 6         | <10      | 10        | <0.5      | <2        | 1.32     | <0.5      | 17        | 153       | 4         | 2.70     | <10       |
|                    |                                   | 1.04            | <0.2      | 1.00     | 3         | <10      | 100       | <0.5      | <2        | 0.29     | <0.5      | 6         | 21        | 4         | 1.83     | 10        |
|                    |                                   | 0.98            | <0.2      | 1.35     | 2         | <10      | 50        | <0.5      | <2        | 0.38     | <0.5      | 8         | 17        | 8         | 2.00     | 10        |
|                    |                                   | 0.77            | <0.2      | 2.45     | 2         | <10      | 50        | <0.5      | <2        | 0.90     | <0.5      | 21        | 28        | 55        | 4.43     | 10        |
|                    |                                   | 0.98            | <0.2      | 1.18     | <2        | <10      | 140       | <0.5      | <2        | 0.36     | <0.5      | 7         | 15        | 5         | 1.99     | <10       |
|                    |                                   | 0.48            | <0.2      | 3.14     | <2        | <10      | 30        | <0.5      | <2        | 0.99     | <0.5      | 29        | 161       | 94        | 5.28     | 10        |
|                    |                                   | 0.70            | <0.2      | 1.52     | 2         | <10      | 20        | <0.5      | <2        | 1.51     | <0.5      | 14        | 2         | 8         | 3.56     | 10        |
|                    |                                   | 0.57            | <0.2      | 0.05     | 3         | <10      | <10       | <0.5      | <2        | 0.04     | <0.5      | 1         | 9         | 1         | 0.42     | <10       |
|                    |                                   | 0.80            | <0.2      | 2.42     | <2        | <10      | 40        | <0.5      | <2        | 1.55     | <0.5      | 18        | <1        | 17        | 5.48     | 10        |
|                    |                                   | 0.46            | <0.2      | 0.68     | <2        | <10      | <10       | <0.5      | <2        | 0.20     | <0.5      | 5         | 2         | 19        | 1.95     | 10        |
|                    |                                   | 0.75            | <0.2      | 3.28     | <2        | <10      | 30        | <0.5      | <2        | 0.94     | <0.5      | 36        | 72        | 74        | 6.88     | 10        |
|                    |                                   | 1.38            | <0.2      | 1.00     | 3         | <10      | 30        | <0.5      | 2         | 0.21     | <0.5      | 19        | 14        | 100       | 2.56     | 10        |
|                    |                                   | 0.52            | <0.2      | 0.24     | <2        | <10      | 20        | <0.5      | <2        | 0.09     | <0.5      | 2         | 7         | 3         | 0.77     | <10       |
|                    |                                   | 0.60            | <0.2      | 2.07     | 4         | <10      | 60        | <0.5      | <2        | 1.24     | <0.5      | 22        | 45        | 70        | 5.02     | 10        |
|                    |                                   | 0.92            | <0.2      | 0.16     | <2        | <10      | 10        | <0.5      | <2        | 0.08     | <0.5      | 1         | 11        | 2         | 0.72     | <10       |
| C371257            |                                   | 0.63            | <0.2      | 0.69     | <2        | <10      | 40        | <0.5      | <2        | 0.41     | <0.5      | 5         | 11        | 12        | 1.17     | <10       |
| C371258            |                                   | 0.66            | <0.2      | 2.30     | <2        | <10      | 70        | <0.5      | <2        | 1.07     | <0.5      | 15        | 66        | 26        | 3.25     | 10        |
| C371259            |                                   | 0.65            | <0.2      | 2.64     | 2         | <10      | 10        | <0.5      | <2        | 2.32     | <0.5      | 18        | 35        | 40        | 3.96     | 10        |
| C371260            |                                   | 0.70            | <0.2      | 2.64     | 16        | <10      | 20        | <0.5      | <2        | 1.24     | <0.5      | 26        | 105       | 38        | 5.37     | 10        |
| C371261            |                                   | 1.19            | <0.2      | 1.90     | 8         | <10      | 10        | <0.5      | <2        | 1.64     | <0.5      | 17        | 52        | 65        | 3.24     | <10       |
| C371262            |                                   | 0.49            | <0.2      | 1.95     | 3         | <10      | 20        | <0.5      | <2        | 3.98     | <0.5      | 32        | 95        | 111       | 5.21     | <10       |
| C371263            |                                   | 1.69            | <0.2      | 2.61     | 3         | <10      | 30        | <0.5      | <2        | 0.70     | <0.5      | 21        | 218       | 24        | 4.37     | <10       |
| C371264            |                                   | 0.85            | <0.2      | 1.75     | <2        | <10      | 20        | <0.5      | <2        | 1.37     | <0.5      | 12        | 33        | 36        | 3.23     | 10        |
| C371265            |                                   | 1.18            | <0.2      | 3.02     | <2        | <10      | 70        | <0.5      | <2        | 0.94     | <0.5      | 29        | 15        | 32        | 7.16     | 10        |
| C371266            |                                   | 0.71            | <0.2      | 2.32     | 9         | <10      | 10        | <0.5      | <2        | 0.93     | <0.5      | 17        | 138       | 62        | 3.80     | <10       |
| C371267            |                                   | 0.84            | <0.2      | 2.62     | <2        | <10      | 10        | <0.5      | <2        | 0.90     | <0.5      | 28        | 118       | 28        | 4.95     | <10       |
| C371268            |                                   | 0.77            | <0.2      | 3.02     | <2        | <10      | 90        | <0.5      | <2        | 0.49     | <0.5      | 34        | 254       | 19        | 4.16     | <10       |
| C371269            |                                   | 0.82            | <0.2      | 1.69     | <2        | <10      | <10       | <0.5      | <2        | 1.45     | <0.5      | 23        | 41        | 121       | 3.84     | <10       |
| C371270            |                                   | 0.74            | <0.2      | 0.96     | 2         | <10      | 50        | <0.5      | <2        | 0.24     | <0.5      | 5         | 10        | 5         | 2.01     | <10       |
| C371271            |                                   | 0.90            | <0.2      | 0.97     | <2        | <10      | 60        | <0.5      | <2        | 0.41     | <0.5      | 6         | 8         | 6         | 1.60     | <10       |
|                    |                                   | 0.96            | <0.2      | 1.40     | <2        | <10      | 20        | <0.5      | <2        | 1.25     | <0.5      | 14        | 113       | 7         | 2.56     | <10       |
| C371273            |                                   | 0.81            | <0.2      | 2.39     | <2        | <10      | 20        | <0.5      | <2        | 1.42     | <0.5      | 24        | 38        | 62        | 5.76     | 10        |
| C371274            |                                   | 0.59            | <0.2      | 3.10     | 3         | <10      | 60        | <0.5      | <2        | 1.47     | <0.5      | 28        | 49        | 106       | 6.75     | 10        |
| C371275            |                                   | 0.75            | <0.2      | 1.52     | <2        | <10      | 30        | <0.5      | <2        | 0.75     | <0.5      | 10        | 27        | 10        | 3.06     | 10        |
|                    |                                   | 0.69            | 0.2       | 2.51     | 4         | <10      | 290       | <0.5      | <2        | 0.93     | <0.5      | 69        | 52        | 307       | 9.24     | 10        |
|                    |                                   | 0.55            | <0.2      | 0.80     | 2         | <10      | 50        | <0.5      | <2        | 0.29     | <0.5      | 6         | 10        | 2         | 1.45     | <10       |
| C371278            |                                   | 0.89            | <0.2      | 4.25     | <2        | <10      | 10        | <0.5      | <2        | 3.06     | <0.5      | 38        | 20        | 74        | 12.75    | 20        |
| C371279            |                                   | 0.75            | <0.2      | 4.32     | 4         | <10      | 10        | <0.5      | <2        | 2.08     | <0.5      | 39        | 164       | 60        | 6.19     | <10       |



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 Account: RRR

Project: OFF LAKE

**CERTIFICATE OF ANALYSIS TB08117880**

| Sample Description | Method                  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41  |
|--------------------|-------------------------|-----------|----------|-----------|----------|-----------|-----------|----------|-----------|----------|-----------|----------|-----------|-----------|-----------|-----------|
|                    | Analyte<br>Units<br>LOR | Hg<br>ppm | K<br>%   | La<br>ppm | Mg<br>%  | Mn<br>ppm | Mo<br>ppm | Na<br>%  | Ni<br>ppm | P<br>ppm | Pb<br>ppm | S<br>%   | Sb<br>ppm | Sc<br>ppm | Sr<br>ppm | Th<br>ppm |
| [REDACTED]         |                         | 1         | 0.01     | 10        | 0.01     | 5         | 1         | 0.01     | 1         | 10       | 2         | 0.01     | 2         | 1         | 1         | 20        |
| [REDACTED]         |                         | <1        | 0.05     | <10       | 1.13     | 385       | <1        | 0.18     | 51        | 460      | 2         | 0.17     | <2        | 12        | 15        | <20       |
| [REDACTED]         |                         | <1        | 0.08     | 10        | 2.13     | 738       | <1        | 0.05     | 68        | 640      | 3         | <0.01    | <2        | 4         | 73        | <20       |
| [REDACTED]         |                         | <1        | 0.05     | <10       | 1.06     | 656       | <1        | 0.13     | 48        | 140      | <2        | 0.02     | <2        | 7         | 14        | <20       |
| [REDACTED]         |                         | <1        | 0.64     | 10        | 0.49     | 309       | <1        | 0.11     | 8         | 300      | <2        | 0.02     | <2        | 2         | 27        | <20       |
| [REDACTED]         |                         | <1        | 0.87     | <10       | 0.81     | 308       | <1        | 0.10     | 9         | 460      | <2        | 0.08     | <2        | 1         | 31        | <20       |
| [REDACTED]         |                         | <1        | 0.04     | 10        | 1.66     | 698       | <1        | 0.07     | 40        | 730      | <2        | 0.05     | <2        | 5         | 28        | <20       |
| [REDACTED]         |                         | <1        | 0.59     | <10       | 0.69     | 278       | <1        | 0.09     | 9         | 390      | <2        | 0.09     | <2        | 1         | 32        | <20       |
| [REDACTED]         |                         | 1         | 0.03     | <10       | 2.26     | 876       | <1        | 0.05     | 94        | 190      | <2        | 0.04     | 2         | 4         | 18        | <20       |
| [REDACTED]         |                         | <1        | 0.05     | <10       | 1.10     | 459       | <1        | 0.18     | 11        | 380      | <2        | 0.03     | <2        | 12        | 11        | <20       |
| [REDACTED]         |                         | <1        | <0.01    | <10       | 0.04     | 57        | <1        | 0.03     | <1        | 20       | <2        | 0.02     | <2        | <1        | 1         | <20       |
| [REDACTED]         |                         | <1        | 0.05     | <10       | 1.55     | 726       | <1        | 0.20     | <1        | 450      | <2        | 0.08     | 2         | 16        | 10        | <20       |
| [REDACTED]         |                         | <1        | 0.01     | <10       | 0.48     | 229       | <1        | 0.05     | <1        | 90       | <2        | 0.03     | <2        | 1         | 1         | <20       |
| [REDACTED]         |                         | <1        | 0.04     | <10       | 2.28     | 866       | <1        | 0.12     | 65        | 680      | <2        | 0.18     | <2        | 7         | 15        | <20       |
| [REDACTED]         |                         | <1        | 0.06     | 10        | 0.58     | 143       | <1        | 0.10     | 10        | 320      | <2        | 0.57     | <2        | 1         | 20        | <20       |
| [REDACTED]         |                         | <1        | 0.03     | <10       | 0.16     | 75        | <1        | 0.05     | 3         | 210      | <2        | 0.03     | <2        | <1        | 9         | <20       |
| [REDACTED]         |                         | <1        | 0.28     | <10       | 1.36     | 368       | <1        | 0.19     | 27        | 770      | <2        | 0.19     | 2         | 9         | 20        | <20       |
| [REDACTED]         |                         | <1        | 0.01     | <10       | 0.08     | 76        | <1        | 0.04     | <1        | 150      | <2        | 0.02     | <2        | <1        | 4         | <20       |
| C371257            |                         | <1        | 0.25     | 10        | 0.34     | 203       | <1        | 0.08     | 5         | 370      | <2        | 0.07     | <2        | 1         | 42        | <20       |
| C371258            |                         | <1        | 0.15     | 10        | 1.48     | 627       | <1        | 0.15     | 63        | 710      | <2        | 0.04     | <2        | 3         | 28        | <20       |
| C371259            |                         | <1        | <0.01    | 10        | 1.93     | 649       | <1        | 0.07     | 55        | 650      | <2        | <0.01    | <2        | 3         | 49        | <20       |
| C371260            |                         | <1        | 0.02     | <10       | 1.98     | 762       | <1        | 0.05     | 70        | 310      | <2        | 0.01     | <2        | 2         | 55        | <20       |
| C371261            |                         | <1        | 0.03     | <10       | 1.44     | 519       | <1        | 0.06     | 56        | 460      | 3         | 0.01     | <2        | 2         | 45        | <20       |
| C371262            |                         | 1         | 0.04     | <10       | 2.59     | 992       | <1        | 0.04     | 90        | 220      | <2        | 0.15     | <2        | 12        | 37        | <20       |
| C371263            |                         | 1         | 0.11     | 10        | 2.31     | 604       | <1        | 0.04     | 99        | 1070     | <2        | <0.01    | <2        | 2         | 23        | <20       |
| C371264            |                         | <1        | 0.05     | 10        | 1.10     | 777       | <1        | 0.07     | 18        | 340      | 6         | 0.05     | <2        | 4         | 63        | <20       |
| C371265            |                         | <1        | 0.02     | <10       | 2.04     | 914       | <1        | 0.05     | 23        | 640      | <2        | 0.10     | <2        | 4         | 14        | <20       |
| C371266            |                         | <1        | 0.04     | 10        | 1.91     | 556       | <1        | 0.05     | 87        | 990      | <2        | <0.01    | <2        | 2         | 48        | <20       |
| C371267            |                         | <1        | 0.02     | <10       | 1.93     | 650       | <1        | 0.04     | 79        | 310      | <2        | <0.01    | <2        | 4         | 25        | <20       |
| C371268            |                         | <1        | 0.56     | 10        | 3.53     | 299       | <1        | 0.06     | 255       | 700      | <2        | 0.02     | <2        | 2         | 15        | <20       |
| C371269            |                         | 1         | 0.03     | <10       | 1.03     | 530       | <1        | 0.12     | 45        | 580      | <2        | 0.15     | <2        | 6         | 19        | <20       |
| C371270            |                         | <1        | 0.16     | 10        | 0.52     | 249       | <1        | 0.11     | 7         | 270      | <2        | 0.01     | <2        | 1         | 12        | <20       |
| C371271            |                         | <1        | 0.17     | 10        | 0.59     | 262       | <1        | 0.07     | 8         | 290      | <2        | <0.01    | <2        | 1         | 16        | <20       |
| [REDACTED]         |                         | <1        | 0.06     | <10       | 0.99     | 556       | <1        | 0.06     | 41        | 130      | <2        | 0.01     | <2        | 4         | 18        | <20       |
| C371273            |                         | <1        | 0.05     | <10       | 1.41     | 800       | <1        | 0.16     | 44        | 730      | <2        | 0.06     | <2        | 9         | 17        | <20       |
| C371274            |                         | <1        | 0.09     | <10       | 2.35     | 853       | <1        | 0.09     | 46        | 640      | 2         | 0.17     | <2        | 6         | 26        | <20       |
| C371275            |                         | <1        | 0.05     | 10        | 1.13     | 461       | <1        | 0.10     | 14        | 390      | <2        | 0.04     | <2        | 2         | 18        | <20       |
| [REDACTED]         |                         | <1        | 0.57     | <10       | 1.53     | 725       | <1        | 0.12     | 28        | 770      | 2         | 1.01     | <2        | 9         | 40        | <20       |
| [REDACTED]         |                         | <1        | 0.39     | 10        | 0.53     | 167       | <1        | 0.10     | 9         | 290      | <2        | <0.01    | <2        | 1         | 33        | <20       |
| C371278            |                         | <1        | 0.01     | <10       | 2.25     | 1240      | <1        | 0.04     | 20        | 540      | <2        | 0.03     | <2        | 32        | 30        | <20       |
| C371279            |                         | <1        | 0.01     | <10       | 4.24     | 1025      | <1        | 0.02     | 88        | 180      | <2        | 0.01     | <2        | 13        | 44        | <20       |



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Project: OFF LAKE

**CERTIFICATE OF ANALYSIS TB08117880**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41  | PGM-ICP23 | PGM-ICP23 | PGM-ICP23 | Au-AA23   | Au-AA23         | Au-AA23         |
|--------------------|-----------------------------------|----------|-----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------------|-----------------|
|                    |                                   | Ti<br>%  | Ti<br>ppm | U<br>ppm | V<br>ppm | W<br>ppm | Zn<br>ppm | Au<br>ppm | Pt<br>ppm | Pd<br>ppm | Au<br>ppm | Au Check<br>ppm | Au Check<br>ppm |
|                    |                                   | 0.01     | 10        | 10       | 1        | 10       | 2         | 0.001     | 0.005     | 0.001     | 0.005     | 0.005           | 0.005           |
|                    |                                   | 0.28     | <10       | <10      | 342      | <10      | 83        | 0.039     | <0.005    | <0.001    |           |                 |                 |
|                    |                                   | 0.01     | <10       | <10      | 43       | <10      | 82        |           |           |           | <0.005    |                 |                 |
|                    |                                   | 0.14     | <10       | <10      | 57       | <10      | 32        |           |           |           | <0.005    |                 |                 |
|                    |                                   | 0.14     | <10       | <10      | 29       | <10      | 48        |           |           |           | <0.005    |                 |                 |
|                    |                                   | 0.16     | <10       | <10      | 34       | <10      | 56        |           |           |           | <0.005    |                 |                 |
|                    |                                   | 0.39     | <10       | <10      | 76       | <10      | 86        |           |           |           | <0.005    |                 |                 |
|                    |                                   | 0.15     | <10       | <10      | 34       | <10      | 47        |           |           |           | <0.005    |                 |                 |
|                    |                                   | 0.28     | <10       | <10      | 86       | <10      | 67        |           |           |           | <0.005    |                 |                 |
|                    |                                   | 0.28     | <10       | <10      | 209      | <10      | 74        | <0.001    | <0.005    | <0.001    |           |                 |                 |
|                    |                                   | 0.02     | <10       | <10      | 4        | <10      | <2        |           |           |           | <0.005    |                 |                 |
|                    |                                   | 0.25     | <10       | <10      | 268      | <10      | 128       | <0.001    | <0.005    | <0.001    |           |                 |                 |
|                    |                                   | 0.09     | <10       | <10      | 36       | <10      | 36        |           |           |           | <0.005    |                 |                 |
|                    |                                   | 0.19     | <10       | <10      | 126      | <10      | 116       | 0.001     | <0.005    | <0.001    |           |                 |                 |
|                    |                                   | 0.05     | <10       | <10      | 16       | <10      | 25        |           |           |           | <0.005    |                 |                 |
|                    |                                   | 0.02     | <10       | <10      | 6        | <10      | 6         |           |           |           | <0.005    |                 |                 |
|                    |                                   | 0.24     | <10       | <10      | 119      | <10      | 54        |           |           |           | <0.005    |                 |                 |
|                    |                                   | 0.02     | <10       | <10      | 5        | <10      | 6         |           |           |           | <0.005    |                 |                 |
| C371257            |                                   | 0.10     | <10       | <10      | 17       | <10      | 24        |           |           |           | <0.005    |                 |                 |
| C371258            |                                   | 0.19     | <10       | <10      | 46       | <10      | 71        |           |           |           | <0.005    |                 |                 |
| C371259            |                                   | 0.24     | <10       | <10      | 53       | <10      | 65        |           |           |           | <0.005    |                 |                 |
| C371260            |                                   | 0.36     | <10       | <10      | 57       | <10      | 90        |           |           |           | <0.005    |                 |                 |
| C371261            |                                   | 0.26     | <10       | <10      | 45       | <10      | 57        |           |           |           | <0.005    |                 |                 |
| C371262            |                                   | 0.01     | <10       | <10      | 61       | <10      | 61        |           |           |           | 0.752     | 0.094           | 0.008           |
| C371263            |                                   | 0.19     | <10       | <10      | 40       | <10      | 69        |           |           |           | <0.005    |                 |                 |
| C371264            |                                   | 0.14     | <10       | <10      | 47       | <10      | 80        |           |           |           | <0.005    |                 |                 |
| C371265            |                                   | 0.55     | <10       | <10      | 166      | <10      | 79        |           |           |           | <0.005    |                 |                 |
| C371266            |                                   | 0.24     | <10       | <10      | 42       | <10      | 66        |           |           |           | <0.005    |                 |                 |
| C371267            |                                   | 0.35     | <10       | <10      | 78       | <10      | 54        |           |           |           | <0.005    |                 |                 |
| C371268            |                                   | 0.12     | <10       | <10      | 37       | <10      | 56        | 0.001     | <0.005    | 0.001     |           |                 |                 |
| C371269            |                                   | 0.30     | <10       | <10      | 78       | <10      | 40        | 0.002     | <0.005    | 0.001     |           |                 |                 |
| C371270            |                                   | 0.08     | <10       | <10      | 22       | <10      | 24        |           |           |           | <0.005    |                 |                 |
| C371271            |                                   | 0.05     | <10       | <10      | 10       | <10      | 45        |           |           |           | <0.005    |                 |                 |
|                    |                                   | 0.14     | <10       | <10      | 42       | <10      | 28        |           |           |           | <0.005    |                 |                 |
| C371273            |                                   | 0.22     | <10       | <10      | 115      | <10      | 93        |           |           |           | <0.005    |                 |                 |
| C371274            |                                   | 0.23     | <10       | <10      | 144      | <10      | 151       |           |           |           | <0.005    |                 |                 |
| C371275            |                                   | 0.09     | <10       | <10      | 55       | <10      | 61        |           |           |           | <0.005    |                 |                 |
|                    |                                   | 0.21     | <10       | <10      | 202      | <10      | 38        |           |           |           | <0.005    |                 |                 |
|                    |                                   | 0.11     | <10       | <10      | 23       | <10      | 37        |           |           |           | <0.005    |                 |                 |
| C371278            |                                   | 0.26     | <10       | <10      | 489      | <10      | 160       |           |           |           | <0.005    |                 |                 |
| C371279            |                                   | 0.18     | <10       | <10      | 109      | <10      | 69        |           |           |           | <0.005    |                 |                 |



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To: RAINY RIVER RESOURCES LTD.  
 303-1620 WEST 8TH AVENUE  
 VANCOUVER BC V6J 1V4

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 Finalized Date: 29-AUG-2008  
 Account: RRR

Project: OFF LAKE

**CERTIFICATE OF ANALYSIS TB08117880**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21          | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 |           |
|--------------------|-----------------------------------|-----------------|-----------|----------|-----------|----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|----------|-----------|
|                    |                                   | Recvd Wt.<br>kg | Ag<br>ppm | Al<br>%  | As<br>ppm | B<br>ppm | Ba<br>ppm | Be<br>ppm | Bi<br>ppm | Ca<br>%  | Cd<br>ppm | Co<br>ppm | Cr<br>ppm | Cu<br>ppm | Fe<br>%  | Ga<br>ppm |
|                    |                                   | 0.02            | 0.2       | 0.01     | 2         | 10       | 10        | 0.5       | 2         | 0.01     | 0.5       | 1         | 1         | 0.01      | 10       |           |
| C371280            |                                   | 0.64            | <0.2      | 1.51     | <2        | <10      | 40        | <0.5      | <2        | 0.69     | <0.5      | 21        | 62        | 122       | 4.68     | 10        |
| C371281            |                                   | 1.07            | <0.2      | 3.86     | <2        | <10      | 10        | <0.5      | <2        | 3.09     | <0.5      | 25        | 19        | 46        | 5.78     | 10        |
|                    |                                   | 0.59            | <0.2      | 1.22     | <2        | <10      | 50        | <0.5      | <2        | 1.39     | <0.5      | 14        | 3         | 59        | 2.50     | <10       |
|                    |                                   | 0.48            | <0.2      | 1.00     | 3         | <10      | 20        | <0.5      | <2        | 2.80     | <0.5      | 6         | 3         | 12        | 2.21     | <10       |
|                    |                                   | 0.58            | <0.2      | 2.28     | <2        | <10      | 20        | <0.5      | <2        | 5.87     | <0.5      | 28        | 122       | 5         | 5.71     | <10       |
|                    |                                   | 0.48            | <0.2      | 0.83     | <2        | <10      | 30        | <0.5      | <2        | 0.30     | <0.5      | 6         | 3         | 2         | 1.76     | <10       |
|                    |                                   | 0.67            | 0.2       | 2.35     | 2         | <10      | 20        | <0.5      | <2        | 3.03     | <0.5      | 22        | 9         | 99        | 6.50     | 10        |
|                    |                                   | 0.63            | <0.2      | 1.22     | <2        | <10      | 60        | <0.5      | <2        | 1.30     | <0.5      | 5         | 5         | 8         | 2.48     | <10       |
|                    |                                   | 0.45            | <0.2      | 3.27     | <2        | <10      | 20        | <0.5      | <2        | 3.62     | <0.5      | 23        | 31        | 53        | 7.97     | 10        |
|                    |                                   | 0.87            | <0.2      | 1.10     | <2        | <10      | 40        | <0.5      | <2        | 2.12     | <0.5      | 5         | 5         | 13        | 1.65     | <10       |
|                    |                                   | 0.57            | <0.2      | 1.05     | <2        | <10      | 40        | <0.5      | <2        | 1.19     | <0.5      | 5         | 5         | 7         | 2.20     | <10       |
|                    |                                   | 0.60            | <0.2      | 0.91     | <2        | <10      | 60        | <0.5      | <2        | 1.15     | 0.5       | 3         | 2         | 1         | 2.31     | <10       |
|                    |                                   | 0.76            | 0.3       | 1.54     | 2         | <10      | 70        | <0.5      | <2        | 0.58     | 0.5       | 11        | 3         | 53        | 4.31     | <10       |
|                    |                                   | 0.56            | <0.2      | 3.62     | 2         | <10      | 50        | <0.5      | <2        | 2.90     | <0.5      | 30        | 3         | 70        | 8.85     | 10        |
|                    |                                   | 0.64            | <0.2      | 0.86     | <2        | <10      | 30        | <0.5      | <2        | 0.69     | <0.5      | 7         | 5         | 12        | 1.60     | <10       |
|                    |                                   | 0.64            | 0.2       | 1.49     | 3         | <10      | 30        | <0.5      | <2        | 1.02     | <0.5      | 11        | 7         | 77        | 3.15     | 10        |
|                    |                                   | 0.59            | <0.2      | 3.18     | 3         | <10      | 10        | <0.5      | <2        | 0.94     | <0.5      | 34        | 226       | 84        | 5.68     | 10        |
|                    |                                   | 0.83            | <0.2      | 4.51     | <2        | <10      | 10        | <0.5      | <2        | 4.68     | <0.5      | 35        | 177       | 11        | 6.26     | 10        |
|                    |                                   | 1.15            | 0.3       | 3.30     | 16        | <10      | 20        | <0.5      | 5         | 0.03     | <0.5      | 24        | 14        | 88        | 16.0     | 10        |
|                    |                                   | 0.75            | <0.2      | 3.67     | <2        | <10      | 10        | <0.5      | <2        | 3.06     | <0.5      | 24        | 4         | 32        | 11.10    | 20        |
|                    |                                   | 0.66            | 0.3       | 3.77     | 2         | <10      | 60        | <0.5      | <2        | 0.80     | <0.5      | 46        | 1         | 84        | 11.25    | 20        |
|                    |                                   | 1.01            | <0.2      | 1.16     | <2        | <10      | 30        | <0.5      | <2        | 2.12     | <0.5      | 8         | 3         | 31        | 1.88     | <10       |
|                    |                                   | 0.73            | <0.2      | 3.76     | 2         | <10      | 30        | <0.5      | <2        | 5.03     | <0.5      | 24        | 207       | 34        | 6.07     | 10        |
|                    |                                   | 0.97            | <0.2      | 3.14     | 4         | <10      | 20        | <0.5      | <2        | 1.67     | <0.5      | 6         | 10        | 2         | 7.44     | 10        |
|                    |                                   | 0.65            | 0.2       | 4.40     | <2        | <10      | 20        | <0.5      | <2        | 4.07     | <0.5      | 39        | 702       | 30        | 4.91     | 10        |
|                    |                                   | 0.59            | <0.2      | 1.89     | <2        | <10      | 40        | <0.5      | <2        | 3.34     | <0.5      | 10        | 8         | 28        | 2.93     | 10        |
|                    |                                   | 0.70            | <0.2      | 3.19     | <2        | <10      | 10        | <0.5      | <2        | 4.08     | <0.5      | 28        | 8         | 49        | 8.74     | 20        |
|                    |                                   | 0.58            | <0.2      | 4.46     | <2        | <10      | 10        | <0.5      | <2        | 3.38     | <0.5      | 22        | <1        | 26        | 10.65    | 20        |
|                    |                                   | 0.63            | <0.2      | 1.12     | <2        | <10      | 30        | <0.5      | <2        | 1.76     | <0.5      | 6         | 4         | 3         | 2.04     | <10       |
|                    |                                   | 0.73            | <0.2      | 4.56     | <2        | <10      | 10        | <0.5      | <2        | 4.29     | <0.5      | 36        | 242       | 16        | 7.21     | 10        |
|                    |                                   | 0.92            | <0.2      | 3.97     | <2        | <10      | 10        | <0.5      | <2        | 4.83     | <0.5      | 37        | 231       | 2         | 6.44     | 10        |
|                    |                                   | 0.78            | <0.2      | 4.28     | <2        | <10      | 10        | <0.5      | <2        | 4.49     | <0.5      | 34        | 231       | 97        | 6.52     | 10        |
|                    |                                   | 0.85            | <0.2      | 0.75     | <2        | <10      | 50        | <0.5      | <2        | 1.76     | <0.5      | 6         | 4         | 9         | 0.91     | <10       |
|                    |                                   | 0.76            | <0.2      | 0.76     | <2        | <10      | 50        | <0.5      | <2        | 1.19     | <0.5      | 4         | 3         | 9         | 1.52     | <10       |
|                    |                                   | 0.90            | <0.2      | 0.93     | <2        | <10      | 30        | <0.5      | <2        | 1.00     | <0.5      | 3         | 3         | <1        | 1.91     | <10       |
|                    |                                   | 0.47            | <0.2      | 0.49     | <2        | <10      | 70        | <0.5      | <2        | 0.32     | <0.5      | 4         | 8         | 1         | 0.98     | <10       |
|                    |                                   | 0.53            | 0.3       | 2.85     | 13        | <10      | 30        | <0.5      | <2        | 1.67     | <0.5      | 16        | 20        | 27        | 6.10     | 10        |
|                    |                                   | 1.15            | 0.3       | 2.55     | 78        | <10      | 10        | <0.5      | 2         | 7.16     | <0.5      | 117       | 1130      | 281       | 12.10    | 10        |
|                    |                                   | 0.84            | <0.2      | 3.65     | 7         | <10      | 10        | <0.5      | <2        | 2.25     | <0.5      | 37        | 5         | 2         | 8.62     | 10        |
|                    |                                   | 0.92            | <0.2      | 1.48     | <2        | <10      | 40        | <0.5      | <2        | 1.82     | <0.5      | 8         | 17        | 15        | 2.99     | 10        |



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**CERTIFICATE OF ANALYSIS TB08117880**

| Sample Description | Method Analyte Units LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |        |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Hg ppm   | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm |
| C371280            |                          | <1       | 0.13     | <10      | 0.71     | 329      | <1       | 0.13     | 34       | 630      | <2       | 0.32     | <2       | 12       | 34       | <20    |
| C371281            |                          | <1       | <0.01    | 10       | 2.63     | 946      | <1       | 0.05     | 50       | 570      | <2       | <0.01    | <2       | 8        | 61       | <20    |
| [REDACTED]         |                          | 1        | 0.10     | 10       | 0.35     | 403      | <1       | 0.06     | 8        | 340      | <2       | 0.01     | <2       | 1        | 40       | <20    |
| [REDACTED]         |                          | <1       | 0.12     | 10       | 0.33     | 545      | <1       | 0.08     | 8        | 360      | 2        | 0.04     | <2       | 1        | 72       | <20    |
| [REDACTED]         |                          | 1        | 0.05     | <10      | 2.49     | 2150     | <1       | 0.07     | 55       | 250      | 2        | <0.01    | <2       | 11       | 60       | <20    |
| [REDACTED]         |                          | <1       | 0.10     | 10       | 0.24     | 422      | <1       | 0.10     | 6        | 370      | 2        | <0.01    | <2       | <1       | 24       | <20    |
| [REDACTED]         |                          | 1        | 0.07     | <10      | 0.77     | 1345     | <1       | 0.06     | 18       | 330      | 9        | 1.50     | <2       | 4        | 77       | <20    |
| [REDACTED]         |                          | <1       | 0.17     | 10       | 0.34     | 492      | <1       | 0.05     | 5        | 390      | <2       | 0.01     | <2       | 1        | 43       | <20    |
| [REDACTED]         |                          | <1       | 0.05     | <10      | 1.32     | 2420     | <1       | 0.04     | 31       | 550      | <2       | 0.20     | <2       | 9        | 120      | <20    |
| [REDACTED]         |                          | <1       | 0.14     | 10       | 0.39     | 465      | <1       | 0.07     | 4        | 390      | <2       | <0.01    | <2       | 1        | 63       | <20    |
| [REDACTED]         |                          | <1       | 0.19     | 10       | 0.47     | 552      | <1       | 0.06     | 5        | 370      | <2       | 0.15     | <2       | 1        | 43       | <20    |
| [REDACTED]         |                          | <1       | 0.11     | 10       | 0.37     | 1655     | 1        | 0.10     | 4        | 390      | 43       | <0.01    | <2       | <1       | 33       | <20    |
| [REDACTED]         |                          | <1       | 0.11     | 10       | 0.75     | 2090     | 1        | 0.06     | 9        | 460      | 2        | <0.01    | <2       | 1        | 26       | <20    |
| [REDACTED]         |                          | 1        | 0.07     | 10       | 1.75     | 1970     | <1       | 0.04     | 12       | 1140     | <2       | 0.16     | <2       | 15       | 22       | <20    |
| [REDACTED]         |                          | <1       | 0.09     | 10       | 0.41     | 298      | <1       | 0.07     | 8        | 390      | <2       | 0.11     | <2       | 1        | 25       | <20    |
| [REDACTED]         |                          | <1       | 0.11     | 10       | 0.54     | 514      | <1       | 0.05     | 17       | 410      | 3        | 0.44     | <2       | 3        | 32       | <20    |
| [REDACTED]         |                          | <1       | 0.01     | <10      | 2.81     | 1125     | <1       | 0.04     | 54       | 250      | <2       | 0.01     | <2       | 5        | 15       | <20    |
| [REDACTED]         |                          | <1       | 0.05     | <10      | 3.18     | 1145     | <1       | 0.02     | 58       | 250      | 2        | 0.01     | <2       | 16       | 61       | <20    |
| [REDACTED]         |                          | <1       | 0.08     | <10      | 0.57     | 271      | 1        | 0.02     | 20       | 370      | 3        | 6.01     | <2       | 2        | 6        | <20    |
| [REDACTED]         |                          | <1       | 0.01     | <10      | 2.27     | 3370     | <1       | 0.03     | 14       | 950      | <2       | 0.37     | <2       | 30       | 79       | <20    |
| [REDACTED]         |                          | <1       | 0.07     | <10      | 1.71     | 2620     | <1       | 0.02     | 15       | 1090     | <2       | 0.56     | <2       | 21       | 23       | <20    |
| [REDACTED]         |                          | <1       | 0.12     | 10       | 0.35     | 334      | <1       | 0.09     | 4        | 390      | <2       | 0.05     | <2       | 1        | 64       | <20    |
| [REDACTED]         |                          | <1       | 0.02     | <10      | 2.95     | 1540     | <1       | 0.05     | 52       | 270      | 2        | 0.09     | <2       | 24       | 84       | <20    |
| [REDACTED]         |                          | <1       | 0.06     | 10       | 1.07     | 763      | <1       | 0.03     | 14       | 340      | <2       | 0.58     | <2       | 4        | 35       | <20    |
| [REDACTED]         |                          | 1        | <0.01    | 20       | 6.58     | 962      | <1       | 0.01     | 256      | 1080     | 3        | 0.01     | <2       | 17       | 389      | <20    |
| [REDACTED]         |                          | 1        | 0.06     | 10       | 1.24     | 584      | <1       | 0.08     | 12       | 500      | 2        | 0.07     | <2       | 2        | 69       | <20    |
| [REDACTED]         |                          | <1       | <0.01    | <10      | 2.26     | 3130     | <1       | 0.04     | 14       | 850      | <2       | 0.08     | <2       | 26       | 68       | <20    |
| [REDACTED]         |                          | <1       | 0.01     | <10      | 2.14     | 2820     | <1       | 0.02     | 7        | 980      | <2       | 0.09     | <2       | 35       | 59       | <20    |
| [REDACTED]         |                          | <1       | 0.11     | 10       | 0.63     | 462      | <1       | 0.08     | 6        | 390      | <2       | 0.01     | <2       | 1        | 31       | <20    |
| [REDACTED]         |                          | 1        | <0.01    | <10      | 3.68     | 1435     | <1       | 0.03     | 57       | 240      | 2        | <0.01    | <2       | 40       | 77       | <20    |
| [REDACTED]         |                          | <1       | <0.01    | <10      | 3.09     | 1310     | <1       | 0.05     | 60       | 220      | <2       | <0.01    | <2       | 17       | 40       | <20    |
| [REDACTED]         |                          | <1       | <0.01    | <10      | 3.93     | 1420     | <1       | 0.04     | 54       | 240      | 2        | 0.01     | <2       | 40       | 83       | <20    |
| [REDACTED]         |                          | <1       | 0.18     | 10       | 0.36     | 183      | <1       | 0.03     | 4        | 270      | <2       | 0.02     | <2       | <1       | 49       | <20    |
| [REDACTED]         |                          | <1       | 0.14     | 10       | 0.29     | 511      | <1       | 0.05     | 4        | 420      | <2       | <0.01    | <2       | 1        | 46       | <20    |
| [REDACTED]         |                          | <1       | 0.08     | 10       | 0.23     | 311      | <1       | 0.08     | 3        | 350      | <2       | 0.01     | <2       | <1       | 39       | <20    |
| [REDACTED]         |                          | <1       | 0.13     | 10       | 0.22     | 183      | <1       | 0.05     | 12       | 270      | <2       | 0.01     | <2       | 1        | 31       | <20    |
| [REDACTED]         |                          | 1        | 0.08     | <10      | 1.17     | 1470     | <1       | 0.05     | 18       | 480      | 25       | 0.36     | <2       | 4        | 41       | <20    |
| [REDACTED]         |                          | 1        | <0.01    | <10      | 3.33     | 1785     | <1       | 0.01     | 305      | 280      | <2       | 0.88     | <2       | 16       | 65       | <20    |
| [REDACTED]         |                          | <1       | 0.02     | <10      | 2.02     | 1135     | <1       | 0.01     | 2        | 720      | <2       | 0.01     | <2       | 7        | 26       | <20    |
| [REDACTED]         |                          | <1       | 0.10     | 10       | 0.62     | 672      | <1       | 0.06     | 9        | 400      | 2        | 0.31     | <2       | 1        | 59       | <20    |



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| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41  | PGM-ICP23 | PGM-ICP23 | PGM-ICP23 | Au-AA23   | Au-AA23         | Au-AA23         |
|--------------------|-----------------------------------|----------|-----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------------|-----------------|
|                    |                                   | Ti<br>%  | Ti<br>ppm | U<br>ppm | V<br>ppm | W<br>ppm | Zn<br>ppm | Au<br>ppm | Pt<br>ppm | Pd<br>ppm | Au<br>ppm | Au Check<br>ppm | Au Check<br>ppm |
| C371280            |                                   | 0.17     | <10       | <10      | 152      | <10      | 40        |           |           |           | <0.005    |                 |                 |
| C371281            |                                   | 0.03     | <10       | <10      | 96       | <10      | 89        |           |           |           | <0.005    |                 |                 |
|                    |                                   | <0.01    | <10       | <10      | 8        | <10      | 96        |           |           |           | <0.005    |                 |                 |
|                    |                                   | <0.01    | <10       | <10      | 7        | <10      | 55        |           |           |           | <0.005    |                 |                 |
|                    |                                   | <0.01    | <10       | <10      | 78       | <10      | 120       |           |           |           | <0.005    |                 |                 |
|                    |                                   | <0.01    | <10       | <10      | 5        | <10      | 37        |           |           |           | 0.005     |                 |                 |
|                    |                                   | <0.01    | <10       | <10      | 26       | <10      | 93        |           |           |           | <0.005    |                 |                 |
|                    |                                   | <0.01    | <10       | <10      | 6        | <10      | 76        |           |           |           | <0.005    |                 |                 |
|                    |                                   | 0.01     | <10       | <10      | 114      | <10      | 102       |           |           |           | <0.005    |                 |                 |
|                    |                                   | <0.01    | <10       | <10      | 6        | <10      | 54        |           |           |           | <0.005    |                 |                 |
|                    |                                   | 0.02     | <10       | <10      | 10       | <10      | 52        |           |           |           | <0.005    |                 |                 |
|                    |                                   | <0.01    | <10       | <10      | 4        | <10      | 240       |           |           |           | <0.005    |                 |                 |
|                    |                                   | <0.01    | <10       | <10      | 10       | <10      | 107       |           |           |           | <0.005    |                 |                 |
|                    |                                   | 0.01     | <10       | <10      | 151      | <10      | 188       |           |           |           | <0.005    |                 |                 |
|                    |                                   | <0.01    | <10       | <10      | 7        | <10      | 31        |           |           |           | <0.005    |                 |                 |
|                    |                                   | <0.01    | <10       | <10      | 19       | <10      | 82        |           |           |           | <0.005    |                 |                 |
|                    |                                   | 0.20     | <10       | <10      | 107      | <10      | 79        |           |           |           | <0.005    |                 |                 |
|                    |                                   | 0.01     | <10       | <10      | 135      | <10      | 73        |           |           |           | <0.005    |                 |                 |
|                    |                                   | 0.01     | <10       | <10      | 32       | <10      | 128       | 0.007     | <0.005    | <0.001    |           |                 |                 |
|                    |                                   | 0.12     | <10       | <10      | 292      | <10      | 167       | 0.001     | <0.005    | <0.001    |           |                 |                 |
|                    |                                   | 0.09     | <10       | <10      | 239      | <10      | 169       |           |           |           | <0.005    |                 |                 |
|                    |                                   | <0.01    | <10       | <10      | 10       | <10      | 50        |           |           |           | <0.005    |                 |                 |
|                    |                                   | 0.01     | <10       | <10      | 159      | <10      | 89        |           |           |           | <0.005    |                 |                 |
|                    |                                   | 0.01     | <10       | <10      | 28       | <10      | 283       |           |           |           | <0.005    |                 |                 |
|                    |                                   | 0.01     | <10       | <10      | 101      | <10      | 172       |           |           |           | <0.005    |                 |                 |
|                    |                                   | <0.01    | <10       | <10      | 21       | <10      | 114       |           |           |           | <0.005    |                 |                 |
|                    |                                   | 0.11     | <10       | <10      | 282      | <10      | 120       |           |           |           | <0.005    |                 |                 |
|                    |                                   | 0.01     | <10       | <10      | 231      | <10      | 139       |           |           |           | <0.005    |                 |                 |
|                    |                                   | <0.01    | <10       | <10      | 10       | <10      | 22        |           |           |           | <0.005    |                 |                 |
|                    |                                   | 0.16     | <10       | <10      | 226      | <10      | 95        |           |           |           | <0.005    |                 |                 |
|                    |                                   | 0.17     | <10       | <10      | 192      | <10      | 80        |           |           |           | <0.005    |                 |                 |
|                    |                                   | 0.19     | <10       | <10      | 224      | <10      | 70        |           |           |           | <0.005    |                 |                 |
|                    |                                   | <0.01    | <10       | <10      | 4        | <10      | 46        |           |           |           | <0.005    |                 |                 |
|                    |                                   | <0.01    | <10       | <10      | 5        | <10      | 63        |           |           |           | <0.005    |                 |                 |
|                    |                                   | <0.01    | <10       | <10      | 4        | <10      | 33        |           |           |           | <0.005    |                 |                 |
|                    |                                   | <0.01    | <10       | <10      | 5        | <10      | 32        |           |           |           | <0.005    |                 |                 |
|                    |                                   | <0.01    | <10       | <10      | 40       | <10      | 233       |           |           |           | 0.008     |                 |                 |
|                    |                                   | 0.01     | <10       | <10      | 83       | <10      | 125       |           |           |           | 0.580     | 0.636           |                 |
|                    |                                   | 0.49     | <10       | <10      | 139      | <10      | 96        |           |           |           | <0.005    |                 |                 |
|                    |                                   | <0.01    | <10       | <10      | 12       | <10      | 72        |           |           |           | <0.005    |                 |                 |



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 Account: RRR

Project: OFF LAKE

**CERTIFICATE OF ANALYSIS TB08117880**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21         | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 |           |
|--------------------|-----------------------------------|----------------|-----------|----------|-----------|----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|----------|-----------|
|                    |                                   | Recvd WL<br>kg | Ag<br>ppm | Al<br>%  | As<br>ppm | B<br>ppm | Ba<br>ppm | Be<br>ppm | Bi<br>ppm | Ca<br>%  | Cd<br>ppm | Co<br>ppm | Cr<br>ppm | Cu<br>ppm | Fe<br>%  | Ga<br>ppm |
|                    |                                   | 0.02           | 0.2       | 0.01     | 2         | 10       | 10        | 0.5       | 2         | 0.01     | 0.5       | 1         | 1         | 1         | 0.01     | 10        |
|                    |                                   | 0.53           | <0.2      | 1.77     | <2        | <10      | 50        | <0.5      | <2        | 1.31     | <0.5      | 6         | 6         | 8         | 3.51     | 10        |
|                    |                                   | 0.93           | <0.2      | 0.63     | <2        | <10      | 30        | <0.5      | <2        | 0.83     | <0.5      | 2         | 5         | 14        | 1.18     | <10       |
|                    |                                   | 0.65           | <0.2      | 3.55     | <2        | <10      | 10        | <0.5      | <2        | 5.40     | <0.5      | 30        | 551       | 1         | 4.48     | 10        |
|                    |                                   | 0.82           | <0.2      | 1.01     | <2        | <10      | 40        | <0.5      | <2        | 1.28     | <0.5      | 6         | 5         | <1        | 1.61     | <10       |
|                    |                                   | 0.50           | <0.2      | 0.81     | <2        | <10      | 50        | <0.5      | <2        | 1.53     | <0.5      | 6         | 12        | 20        | 1.76     | <10       |
|                    |                                   | 0.51           | <0.2      | 4.64     | <2        | <10      | 10        | <0.5      | <2        | 5.32     | <0.5      | 41        | 213       | 69        | 7.00     | 10        |
|                    |                                   | 0.46           | <0.2      | 2.28     | <2        | <10      | 10        | <0.5      | <2        | 3.28     | <0.5      | 23        | 2         | 10        | 7.26     | 10        |
| C371327            |                                   | 0.58           | <0.2      | 1.47     | <2        | <10      | 20        | <0.5      | <2        | 1.28     | <0.5      | 13        | 55        | 87        | 2.44     | <10       |
| C371328            |                                   | 0.52           | 0.3       | 1.09     | <2        | <10      | 10        | <0.5      | <2        | 1.24     | <0.5      | 11        | 55        | 186       | 2.05     | <10       |
| C371329            |                                   | 0.63           | 0.3       | 1.60     | <2        | <10      | 40        | <0.5      | <2        | 1.12     | <0.5      | 16        | 86        | 322       | 2.67     | <10       |
| C371330            |                                   | 0.88           | 0.6       | 1.29     | <2        | <10      | 10        | <0.5      | <2        | 0.96     | <0.5      | 13        | 96        | 761       | 2.38     | <10       |
| C371331            |                                   | 0.68           | 0.3       | 1.12     | 2         | <10      | 40        | <0.5      | <2        | 0.87     | <0.5      | 16        | 1         | 123       | 4.69     | 10        |
| C371332            |                                   | 0.52           | 0.5       | 0.36     | 3         | <10      | 10        | <0.5      | <2        | 0.32     | <0.5      | 3         | 7         | 144       | 0.67     | <10       |
| C371333            |                                   | 0.49           | <0.2      | 0.39     | <2        | <10      | 10        | <0.5      | <2        | 0.23     | <0.5      | 3         | 4         | 34        | 0.52     | <10       |
| C371334            |                                   | 0.31           | <0.2      | 1.08     | <2        | <10      | 10        | <0.5      | <2        | 1.01     | <0.5      | 9         | 7         | 89        | 1.91     | <10       |
| C371335            |                                   | 0.60           | <0.2      | 0.42     | <2        | <10      | 20        | <0.5      | <2        | 0.28     | <0.5      | 2         | 5         | 4         | 0.51     | <10       |
| C371336            |                                   | 0.55           | 0.2       | 0.33     | <2        | <10      | 10        | <0.5      | 2         | 0.50     | <0.5      | 2         | 28        | 59        | 0.57     | <10       |
| C371337            |                                   | 0.77           | <0.2      | 0.32     | <2        | <10      | 10        | <0.5      | <2        | 0.64     | <0.5      | 2         | 44        | 172       | 0.49     | <10       |
| C371338            |                                   | 0.92           | <0.2      | 0.52     | <2        | <10      | 10        | <0.5      | <2        | 0.11     | <0.5      | 2         | 8         | 5         | 1.00     | <10       |
|                    |                                   | 0.71           | <0.2      | 0.10     | <2        | <10      | <10       | <0.5      | <2        | 0.02     | <0.5      | 1         | 16        | 20        | 0.45     | <10       |





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 Account: RRR

Project: OFF LAKE

**CERTIFICATE OF ANALYSIS TB08117880**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  |           |
|--------------------|-----------------------------------|-----------|----------|-----------|----------|-----------|-----------|----------|-----------|----------|-----------|----------|-----------|-----------|-----------|-----------|
|                    |                                   | Hg<br>ppm | K<br>%   | La<br>ppm | Mg<br>%  | Mn<br>ppm | Mo<br>ppm | Na<br>%  | Ni<br>ppm | P<br>ppm | Pb<br>ppm | S<br>%   | Sb<br>ppm | Sc<br>ppm | Sr<br>ppm | Th<br>ppm |
|                    |                                   | 1         | 0.01     | 10        | 0.01     | 5         | 1         | 0.01     | 1         | 10       | 2         | 0.01     | 2         | 1         | 1         | 20        |
|                    |                                   | 1         | 0.10     | 10        | 0.68     | 811       | <1        | 0.05     | 6         | 380      | <2        | 0.16     | <2        | 1         | 45        | <20       |
|                    |                                   | 1         | 0.12     | 10        | 0.16     | 279       | <1        | 0.06     | 4         | 320      | <2        | 0.01     | <2        | 1         | 33        | <20       |
|                    |                                   | 1         | 0.03     | 40        | 4.33     | 829       | <1        | 0.03     | 222       | 1460     | 2         | 0.01     | <2        | 7         | 149       | <20       |
|                    |                                   | <1        | 0.09     | 10        | 0.43     | 322       | <1        | 0.06     | 6         | 340      | <2        | 0.01     | <2        | 1         | 45        | <20       |
|                    |                                   | <1        | 0.10     | 10        | 0.31     | 255       | <1        | 0.07     | 11        | 410      | 2         | 0.02     | <2        | 1         | 41        | <20       |
|                    |                                   | 1         | 0.03     | <10       | 3.00     | 1080      | <1        | 0.04     | 70        | 230      | <2        | 0.02     | <2        | 27        | 53        | <20       |
|                    |                                   | 1         | 0.01     | <10       | 1.74     | 2170      | <1        | 0.05     | 11        | 860      | <2        | <0.01    | <2        | 24        | 67        | <20       |
| C371327            |                                   | 1         | 0.13     | <10       | 1.22     | 283       | 1         | 0.10     | 22        | 430      | <2        | 0.01     | <2        | 10        | 24        | <20       |
| C371328            |                                   | <1        | 0.11     | <10       | 0.90     | 192       | 5         | 0.10     | 15        | 360      | <2        | 0.05     | <2        | 6         | 16        | <20       |
| C371329            |                                   | 1         | 0.23     | <10       | 1.35     | 252       | <1        | 0.09     | 27        | 300      | <2        | 0.06     | <2        | 7         | 16        | <20       |
| C371330            |                                   | <1        | 0.04     | <10       | 1.09     | 152       | 2         | 0.07     | 29        | 300      | <2        | 0.12     | <2        | 5         | 44        | <20       |
| C371331            |                                   | <1        | 0.18     | <10       | 0.93     | 152       | 39        | 0.07     | 10        | 390      | <2        | 0.05     | <2        | 5         | 20        | <20       |
| C371332            |                                   | <1        | 0.02     | <10       | 0.22     | 56        | 91        | 0.06     | 3         | 260      | <2        | 0.02     | <2        | 1         | 17        | <20       |
| C371333            |                                   | <1        | 0.01     | <10       | 0.25     | 52        | 19        | 0.07     | 2         | 230      | <2        | <0.01    | <2        | <1        | 17        | <20       |
| C371334            |                                   | <1        | 0.09     | <10       | 0.92     | 151       | 1         | 0.08     | 15        | 330      | <2        | <0.01    | <2        | 6         | 20        | <20       |
| C371335            |                                   | <1        | 0.06     | <10       | 0.25     | 58        | 2         | 0.06     | 2         | 230      | <2        | <0.01    | <2        | <1        | 35        | <20       |
| C371336            |                                   | <1        | 0.03     | 10        | 0.26     | 61        | <1        | 0.07     | 8         | 940      | <2        | <0.01    | <2        | 1         | 32        | <20       |
| C371337            |                                   | <1        | 0.01     | 30        | 0.33     | 46        | <1        | 0.07     | 13        | 1630     | <2        | 0.01     | <2        | 1         | 18        | <20       |
| C371338            |                                   | <1        | 0.03     | <10       | 0.44     | 77        | <1        | 0.05     | 2         | 240      | <2        | 0.01     | <2        | 1         | 15        | <20       |
|                    |                                   | <1        | 0.01     | <10       | 0.07     | 36        | 3         | <0.01    | <1        | 40       | <2        | <0.01    | <2        | <1        | 1         | <20       |



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Finalized Date: 29-AUG-2008

Account: RRR

Project: OFF LAKE

## CERTIFICATE OF ANALYSIS TB08117880

| Sample Description | Method Analyte Units LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | PGM-ICP23 | PGM-ICP23 | PGM-ICP23 | Au-AA23 | Au-AA23 | Au-AA23      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|---------|---------|--------------|
|                    |                          | Ti %     | Ti ppm   | U ppm    | V ppm    | W ppm    | Zn ppm    | Au ppm    | Pt ppm    | Pd ppm  | Au ppm  | Au Check ppm |
| <del>Sample</del>  |                          | 0.01     | 10       | 10       | 1        | 10       |           |           |           |         | 0.005   | 0.005        |
| <del>Sample</del>  |                          | 0.01     | <10      | <10      | 13       | <10      |           |           |           |         | <0.005  |              |
| <del>Sample</del>  |                          | 0.05     | <10      | <10      | 5        | <10      |           |           |           |         | <0.005  |              |
| <del>Sample</del>  |                          | 0.01     | <10      | <10      | 48       | <10      |           |           |           |         | <0.005  |              |
| <del>Sample</del>  |                          | <0.01    | <10      | <10      | 7        | <10      |           |           |           |         | <0.005  |              |
| <del>Sample</del>  |                          | <0.01    | <10      | <10      | 6        | <10      |           |           |           |         | <0.005  |              |
| <del>Sample</del>  |                          | 0.01     | <10      | <10      | 179      | <10      |           |           |           |         | <0.005  |              |
| <del>Sample</del>  |                          | 0.10     | <10      | <10      | 246      | <10      |           |           |           |         | <0.005  |              |
| C371327            |                          | 0.19     | <10      | <10      | 76       | <10      | 0.005     | 0.012     | 0.005     |         |         |              |
| C371328            |                          | 0.21     | <10      | <10      | 64       | <10      | 0.015     | 0.006     | 0.004     |         |         |              |
| C371329            |                          | 0.20     | <10      | <10      | 73       | <10      | 0.014     | 0.007     | 0.006     |         |         |              |
| C371330            |                          | 0.20     | <10      | <10      | 57       | <10      | 0.014     | 0.006     | 0.007     |         |         |              |
| C371331            |                          | 0.24     | <10      | <10      | 142      | <10      | 0.017     | <0.005    | <0.001    |         |         |              |
| C371332            |                          | 0.08     | <10      | <10      | 20       | <10      | 0.010     | <0.005    | <0.001    |         |         |              |
| C371333            |                          | 0.06     | <10      | <10      | 10       | <10      |           |           |           | 0.006   |         |              |
| C371334            |                          | 0.18     | <10      | <10      | 61       | <10      |           |           |           | 0.010   |         |              |
| C371335            |                          | 0.08     | <10      | <10      | 9        | <10      |           |           |           | <0.005  |         |              |
| C371336            |                          | 0.11     | <10      | <10      | 20       | <10      |           |           |           | 0.008   |         |              |
| C371337            |                          | 0.11     | <10      | <10      | 21       | <10      | 0.001     | <0.005    | <0.001    |         |         |              |
| C371338            |                          | 0.03     | <10      | <10      | 13       | <10      |           |           |           | <0.005  |         |              |
| <del>Sample</del>  |                          | <0.01    | <10      | <10      | 2        | <10      | <2        |           |           | <0.005  |         |              |



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Page: 1  
Finalized Date: 7-SEP-2008  
Account: RRR

## CERTIFICATE TB08120875

Project: OFF LAKE

P.O. No.:

This report is for 37 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 26-AUG-2008.

The following have access to data associated with this certificate:

CJ BAKER

NELSON BAKER

ALLEN RAOUL

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION                    |
|----------|--------------------------------|
| WEI-21   | Received Sample Weight         |
| LOG-22   | Sample login - Rcd w/o BarCode |
| CRU-QC   | Crushing QC Test               |
| PUL-QC   | Pulverizing QC Test            |
| CRU-31   | Fine crushing - 70% <2mm       |
| SPL-21   | Split sample - riffle splitter |
| PUL-31   | Pulverize split to 85% <75 um  |

## ANALYTICAL PROCEDURES

| ALS CODE  | DESCRIPTION                   | INSTRUMENT |
|-----------|-------------------------------|------------|
| ME-ICP41  | 35 Element Aqua Regia ICP-AES | ICP-AES    |
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP         | ICP-AES    |
| Au-AA23   | Au 30g FA-AA finish           | AAS        |

To: RAINY RIVER RESOURCES LTD.  
ATTN: ALLEN RAOUL  
P.O.BOX 5, 48 MARION STREET  
ECHO LAKES ESTATE  
EMO ON POW 1E0

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS TB08120875**

| Sample Description | Method Analyte Units LOR | WEI-21      | Au-AA23 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |      |
|--------------------|--------------------------|-------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | Recvd Wt kg | 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 % |
|                    |                          | 0.02        | 0.005   | 0.2      | 0.01     | 2        | 10       | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01 |
|                    |                          | 0.72        | <0.005  | <0.2     | 0.46     | <2       | <10      | 30       | <0.5     | <2       | 1.27     | <0.5     | 4        | 3        | 12       | 1.29 |
|                    |                          | 0.64        | <0.005  | <0.2     | 0.49     | <2       | <10      | 50       | <0.5     | <2       | 0.73     | <0.5     | 5        | 3        | 7        | 1.38 |
|                    |                          | 0.70        | <0.005  | <0.2     | 0.87     | <2       | <10      | 40       | <0.5     | <2       | 1.63     | <0.5     | 5        | 6        | 2        | 1.54 |
|                    |                          | 0.77        | <0.005  | <0.2     | 2.45     | 3        | <10      | 50       | <0.5     | <2       | 1.58     | <0.5     | 53       | 81       | 109      | 6.22 |
|                    |                          | 0.83        | <0.005  | <0.2     | 3.35     | <2       | <10      | 10       | <0.5     | <2       | 0.82     | <0.5     | 33       | 80       | 35       | 6.40 |
|                    |                          | 0.62        | <0.005  | <0.2     | 2.52     | 5        | <10      | 10       | <0.5     | <2       | 1.06     | <0.5     | 31       | 77       | 97       | 5.34 |
|                    |                          | 1.84        | 0.040   | 1.2      | 3.05     | 9        | <10      | 10       | 0.6      | <2       | 0.09     | <0.5     | 49       | 4        | 239      | 28.6 |
|                    |                          | 0.53        | <0.005  | 0.2      | 0.73     | <2       | <10      | 30       | <0.5     | <2       | 1.57     | <0.5     | 4        | 5        | 5        | 1.22 |
|                    |                          | 0.78        | <0.005  | <0.2     | 1.36     | <2       | <10      | 40       | <0.5     | <2       | 0.80     | <0.5     | 8        | 13       | 8        | 3.67 |
|                    |                          | 0.81        | <0.005  | <0.2     | 1.12     | <2       | <10      | 50       | <0.5     | <2       | 1.09     | <0.5     | 8        | 18       | 7        | 1.60 |
|                    |                          | 0.61        | <0.005  | <0.2     | 3.71     | 6        | <10      | 20       | <0.5     | <2       | 5.57     | <0.5     | 30       | 41       | 32       | 7.96 |
|                    |                          | 0.54        | <0.005  | <0.2     | 3.30     | <2       | <10      | 20       | <0.5     | <2       | 3.75     | <0.5     | 30       | 10       | 4        | 9.21 |
|                    |                          | 0.77        | 0.010   | 0.2      | 3.23     | 12       | <10      | <10      | <0.5     | <2       | 3.13     | <0.5     | 29       | 468      | 235      | 3.20 |
|                    |                          | 0.77        | <0.005  | <0.2     | 0.76     | <2       | <10      | 20       | <0.5     | <2       | 1.02     | <0.5     | 5        | 7        | 1        | 1.38 |
|                    |                          | 0.59        | <0.005  | 0.2      | 0.81     | <2       | <10      | 20       | <0.5     | <2       | 1.66     | <0.5     | 5        | 10       | 2        | 1.33 |
|                    |                          | 1.02        | <0.005  | <0.2     | 0.82     | <2       | <10      | 30       | <0.5     | <2       | 1.49     | <0.5     | 5        | 6        | 1        | 1.34 |
|                    |                          | 0.70        | <0.005  | <0.2     | 2.11     | 2        | <10      | 70       | <0.5     | <2       | 3.38     | <0.5     | 24       | <1       | 17       | 6.05 |
|                    |                          | 0.76        | <0.005  | 0.2      | 3.13     | <2       | <10      | 20       | <0.5     | <2       | 1.46     | <0.5     | 31       | 43       | 169      | 6.19 |
|                    |                          | 0.60        | 0.005   | <0.2     | 3.48     | 2        | 10       | 20       | <0.5     | <2       | 2.64     | <0.5     | 23       | 42       | 1        | 5.60 |
|                    |                          | 1.35        | <0.005  | <0.2     | 1.43     | <2       | <10      | <10      | <0.5     | <2       | 0.69     | <0.5     | 23       | 3        | 54       | 7.60 |
|                    |                          | 0.79        | <0.005  | 0.4      | 2.97     | <2       | <10      | 10       | <0.5     | <2       | 1.32     | <0.5     | 42       | 40       | 268      | 7.77 |
|                    |                          | 0.85        | <0.005  | <0.2     | 1.05     | <2       | <10      | 90       | <0.5     | <2       | 0.71     | <0.5     | 9        | 22       | 15       | 1.47 |
| C371383            |                          | 1.10        | <0.005  | <0.2     | 4.01     | <2       | <10      | 10       | <0.5     | <2       | 3.93     | <0.5     | 33       | <1       | 93       | 9.96 |
| C371384            |                          | 0.68        | <0.005  | <0.2     | 1.06     | <2       | <10      | 120      | <0.5     | <2       | 0.69     | <0.5     | 7        | 23       | 22       | 1.19 |
| C371385            |                          | 0.40        | 0.026   | <0.2     | 0.28     | 7        | <10      | 120      | <0.5     | 2        | 0.12     | <0.5     | 1        | 2        | 4        | 0.58 |
| C371386            |                          | 1.18        | 0.011   | 0.2      | 0.73     | 2        | <10      | 70       | <0.5     | <2       | 0.41     | <0.5     | 4        | 15       | 171      | 0.70 |
| C371387            |                          | 0.59        | <0.005  | <0.2     | 0.61     | <2       | <10      | 50       | <0.5     | <2       | 0.34     | <0.5     | 3        | 7        | 22       | 0.78 |
| C371388            |                          | 0.73        | <0.005  | <0.2     | 0.71     | <2       | <10      | 50       | <0.5     | <2       | 0.66     | <0.5     | 4        | 13       | 46       | 0.88 |
| C371389            |                          | 0.78        | <0.005  | <0.2     | 0.05     | <2       | <10      | 10       | <0.5     | <2       | 0.03     | <0.5     | 1        | 11       | 2        | 0.18 |
| C371390            |                          | 0.60        | <0.005  | <0.2     | 2.34     | <2       | <10      | 60       | <0.5     | <2       | 1.42     | <0.5     | 17       | 56       | 33       | 5.04 |
| C371391            |                          | 1.31        | 0.008   | <0.2     | 0.76     | <2       | <10      | 60       | <0.5     | <2       | 0.72     | <0.5     | 6        | 14       | 3        | 1.00 |
|                    |                          | 0.88        | <0.005  | <0.2     | 0.69     | <2       | <10      | 50       | <0.5     | <2       | 0.55     | <0.5     | 5        | 9        | 1        | 0.82 |
|                    |                          | 0.66        | <0.005  | <0.2     | 0.90     | <2       | <10      | 20       | <0.5     | <2       | 0.24     | <0.5     | 6        | 12       | 1        | 1.13 |
|                    |                          | 0.33        | <0.005  | <0.2     | 0.21     | <2       | <10      | 10       | <0.5     | <2       | 0.11     | <0.5     | 1        | 6        | 1        | 0.40 |
|                    |                          | 0.52        | <0.005  | <0.2     | 0.26     | <2       | <10      | 20       | <0.5     | <2       | 0.10     | <0.5     | 2        | 9        | 1        | 0.50 |
|                    |                          | 0.80        | <0.005  | <0.2     | 0.77     | <2       | <10      | 20       | <0.5     | <2       | 1.21     | <0.5     | 10       | 12       | 84       | 1.70 |
|                    |                          | 0.79        | 0.043   | <0.2     | 2.70     | <2       | <10      | 240      | <0.5     | <2       | 0.81     | <0.5     | 35       | 94       | 129      | 5.79 |



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 Finalized Date: 7-SEP-2008  
 Account: RRR

Project: OFF LAKE

**CERTIFICATE OF ANALYSIS TB08120875**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  |           |
|--------------------|-----------------------------------|-----------|-----------|----------|-----------|----------|-----------|-----------|----------|-----------|----------|-----------|----------|-----------|-----------|-----------|
|                    |                                   | Ga<br>ppm | Hg<br>ppm | K<br>%   | La<br>ppm | Mg<br>%  | Mn<br>ppm | Mo<br>ppm | Na<br>%  | Ni<br>ppm | P<br>ppm | Pb<br>ppm | S<br>%   | Sb<br>ppm | Sc<br>ppm | Sr<br>ppm |
|                    |                                   | 10        | 1         | 0.01     | 10        | 0.01     | 5         | 1         | 0.01     | 1         | 10       | 2         | 0.01     | 2         | 1         | 1         |
|                    |                                   | <10       | <1        | 0.12     | 10        | 0.22     | 229       | <1        | 0.03     | 5         | 320      | <2        | <0.01    | <2        | 1         | 49        |
|                    |                                   | <10       | <1        | 0.09     | 10        | 0.16     | 283       | <1        | 0.05     | 5         | 370      | 3         | 0.01     | <2        | 1         | 43        |
|                    |                                   | <10       | <1        | 0.09     | 10        | 0.39     | 293       | <1        | 0.05     | 5         | 290      | <2        | 0.01     | <2        | 1         | 90        |
|                    |                                   | 10        | <1        | 0.06     | <10       | 1.21     | 1270      | <1        | 0.02     | 82        | 650      | 2         | 0.14     | <2        | 5         | 79        |
|                    |                                   | 10        | <1        | 0.02     | <10       | 2.27     | 984       | <1        | 0.01     | 103       | 620      | <2        | 0.02     | <2        | 2         | 19        |
|                    |                                   | <10       | <1        | 0.01     | <10       | 1.58     | 810       | <1        | 0.02     | 52        | 580      | <2        | 0.13     | <2        | 3         | 20        |
|                    |                                   | 10        | 1         | 0.28     | <10       | 1.39     | 2200      | 1         | <0.01    | 50        | 520      | 2         | >10.0    | <2        | 29        | 3         |
|                    |                                   | <10       | <1        | 0.11     | 30        | 0.29     | 332       | <1        | 0.03     | 4         | 460      | 2         | 0.03     | <2        | 1         | 48        |
|                    |                                   | 10        | <1        | 0.09     | 20        | 0.79     | 717       | <1        | 0.04     | 7         | 470      | <2        | 0.01     | <2        | 2         | 37        |
|                    |                                   | <10       | <1        | 0.11     | 10        | 0.76     | 263       | <1        | 0.04     | 16        | 540      | 2         | 0.01     | <2        | 2         | 95        |
|                    |                                   | 10        | <1        | 0.08     | <10       | 1.66     | 2580      | <1        | 0.01     | 47        | 800      | <2        | 0.12     | <2        | 11        | 202       |
|                    |                                   | 10        | <1        | 0.01     | <10       | 2.29     | 1675      | <1        | 0.01     | 3         | 610      | <2        | 0.04     | <2        | 11        | 40        |
|                    |                                   | <10       | 1         | 0.01     | <10       | 3.33     | 602       | <1        | 0.01     | 98        | 150      | <2        | 0.02     | <2        | 3         | 40        |
|                    |                                   | <10       | <1        | 0.07     | <10       | 0.40     | 212       | <1        | 0.03     | 4         | 300      | <2        | 0.01     | <2        | 1         | 41        |
|                    |                                   | <10       | <1        | 0.08     | 10        | 0.38     | 263       | <1        | 0.03     | 5         | 310      | <2        | 0.01     | <2        | 1         | 55        |
|                    |                                   | <10       | <1        | 0.08     | 10        | 0.39     | 184       | <1        | 0.03     | 4         | 310      | <2        | <0.01    | <2        | 1         | 61        |
|                    |                                   | 10        | 1         | 0.14     | <10       | 1.25     | 1300      | <1        | 0.03     | 8         | 50       | <2        | 0.01     | <2        | 4         | 27        |
|                    |                                   | 10        | <1        | 0.02     | <10       | 2.04     | 869       | <1        | 0.05     | 38        | 650      | 3         | 0.12     | <2        | 8         | 9         |
|                    |                                   | 20        | 1         | 0.01     | <10       | 1.30     | 696       | <1        | 0.04     | 41        | 590      | <2        | 0.01     | <2        | 5         | 17        |
|                    |                                   | 10        | <1        | 0.01     | <10       | 0.84     | 508       | <1        | 0.06     | 8         | 750      | 2         | 0.15     | <2        | 7         | 9         |
|                    |                                   | 10        | <1        | 0.01     | <10       | 1.63     | 727       | <1        | 0.05     | 54        | 560      | 3         | 0.23     | <2        | 5         | 52        |
|                    |                                   | <10       | <1        | 0.66     | 10        | 0.74     | 242       | <1        | 0.04     | 18        | 470      | <2        | 0.02     | <2        | 1         | 51        |
| C371383            |                                   | 20        | <1        | 0.01     | <10       | 2.11     | 1405      | <1        | 0.02     | 8         | 920      | <2        | 0.09     | <2        | 36        | 178       |
| C371384            |                                   | <10       | <1        | 0.67     | 10        | 0.77     | 217       | <1        | 0.04     | 20        | 490      | <2        | 0.01     | <2        | 1         | 65        |
| C371385            |                                   | <10       | <1        | 0.17     | 10        | 0.03     | 24        | 2         | <0.01    | <1        | 310      | 3         | 0.15     | <2        | <1        | 26        |
| C371386            |                                   | <10       | <1        | 0.43     | 10        | 0.47     | 96        | 1         | 0.03     | 18        | 630      | 2         | 0.09     | <2        | <1        | 42        |
| C371387            |                                   | <10       | <1        | 0.30     | 10        | 0.34     | 141       | <1        | 0.03     | 6         | 360      | <2        | 0.04     | <2        | <1        | 29        |
| C371388            |                                   | <10       | <1        | 0.25     | 10        | 0.50     | 176       | <1        | 0.04     | 8         | 380      | <2        | 0.01     | <2        | 1         | 52        |
| C371389            |                                   | <10       | <1        | 0.02     | <10       | 0.01     | 19        | 60        | <0.01    | <1        | 30       | <2        | 0.01     | <2        | <1        | 4         |
| C371390            |                                   | 10        | <1        | 0.19     | 10        | 0.88     | 587       | 1         | 0.10     | 27        | 900      | <2        | 0.08     | <2        | 9         | 34        |
| C371391            |                                   | <10       | <1        | 0.43     | 10        | 0.45     | 210       | <1        | 0.04     | 7         | 400      | <2        | 0.01     | <2        | 1         | 31        |
|                    |                                   | <10       | <1        | 0.39     | 10        | 0.43     | 176       | <1        | 0.05     | 7         | 340      | <2        | 0.01     | <2        | 1         | 37        |
|                    |                                   | <10       | <1        | 0.08     | 10        | 0.78     | 148       | <1        | 0.04     | 7         | 390      | <2        | <0.01    | <2        | 1         | 36        |
|                    |                                   | <10       | <1        | 0.03     | <10       | 0.13     | 53        | 2         | 0.02     | 1         | 110      | <2        | <0.01    | <2        | <1        | 16        |
|                    |                                   | <10       | <1        | 0.09     | <10       | 0.17     | 87        | <1        | 0.02     | 3         | 130      | <2        | <0.01    | <2        | <1        | 14        |
|                    |                                   | <10       | <1        | 0.05     | <10       | 0.46     | 357       | <1        | 0.10     | 17        | 370      | <2        | 0.01     | <2        | 5         | 8         |
|                    |                                   | 10        | <1        | 1.48     | <10       | 1.07     | 303       | <1        | 0.11     | 48        | 810      | 2         | 0.01     | <2        | 12        | 8         |



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 Finalized Date: 7-SEP-2008  
 Account: RRR

Project: OFF LAKE

## CERTIFICATE OF ANALYSIS TB08120875

| Sample Description    | Method Analyte Units LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | PGM-ICP23 | PGM-ICP23 | PGM-ICP23 |
|-----------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|
|                       |                          | Th ppm   | Ti %     | Ti ppm   | U ppm    | V ppm    | W ppm    | Zn ppm   | Au ppm    | Pt ppm    | Pd ppm    |
|                       |                          | 20       | 0.01     | 10       | 10       | 1        | 10       | 2        | 0.001     | 0.005     | 0.001     |
| <del>XXXXXXXXXX</del> |                          | <20      | <0.01    | <10      | <10      | 3        | <10      | 24       |           |           |           |
| <del>XXXXXXXXXX</del> |                          | <20      | <0.01    | <10      | <10      | 4        | <10      | 40       |           |           |           |
| <del>XXXXXXXXXX</del> |                          | <20      | <0.01    | <10      | <10      | 6        | <10      | 53       |           |           |           |
| <del>XXXXXXXXXX</del> |                          | <20      | 0.35     | <10      | <10      | 113      | <10      | 142      |           |           |           |
| <del>XXXXXXXXXX</del> |                          | <20      | 0.37     | <10      | <10      | 101      | <10      | 101      | 0.001     | <0.005    | 0.001     |
| <del>XXXXXXXXXX</del> |                          | <20      | 0.33     | <10      | <10      | 87       | <10      | 75       |           |           |           |
| <del>XXXXXXXXXX</del> |                          | <20      | 0.17     | <10      | <10      | 230      | <10      | 127      |           |           |           |
| <del>XXXXXXXXXX</del> |                          | <20      | <0.01    | <10      | <10      | 6        | <10      | 42       | <0.001    | <0.005    | 0.001     |
| <del>XXXXXXXXXX</del> |                          | <20      | 0.07     | <10      | <10      | 24       | <10      | 77       |           |           |           |
| <del>XXXXXXXXXX</del> |                          | <20      | 0.05     | <10      | <10      | 14       | <10      | 45       |           |           |           |
| <del>XXXXXXXXXX</del> |                          | <20      | 0.01     | <10      | <10      | 133      | <10      | 117      |           |           |           |
| <del>XXXXXXXXXX</del> |                          | <20      | 0.42     | <10      | <10      | 231      | <10      | 124      |           |           |           |
| <del>XXXXXXXXXX</del> |                          | <20      | 0.09     | <10      | <10      | 45       | <10      | 52       |           |           |           |
| <del>XXXXXXXXXX</del> |                          | <20      | 0.01     | <10      | <10      | 9        | <10      | 38       |           |           |           |
| <del>XXXXXXXXXX</del> |                          | <20      | <0.01    | <10      | <10      | 6        | <10      | 35       |           |           |           |
| <del>XXXXXXXXXX</del> |                          | <20      | <0.01    | <10      | <10      | 5        | <10      | 37       |           |           |           |
| <del>XXXXXXXXXX</del> |                          | <20      | 0.57     | <10      | <10      | 162      | <10      | 67       | <0.001    | <0.005    | <0.001    |
| <del>XXXXXXXXXX</del> |                          | <20      | 0.27     | <10      | <10      | 166      | <10      | 69       |           |           |           |
| <del>XXXXXXXXXX</del> |                          | <20      | 0.31     | <10      | <10      | 153      | <10      | 76       |           |           |           |
| <del>XXXXXXXXXX</del> |                          | <20      | 0.30     | <10      | <10      | 189      | <10      | 36       | 0.002     | <0.005    | 0.001     |
| <del>XXXXXXXXXX</del> |                          | <20      | 0.26     | <10      | <10      | 189      | <10      | 53       |           |           |           |
| <del>XXXXXXXXXX</del> |                          | <20      | 0.12     | <10      | <10      | 23       | <10      | 47       |           |           |           |
| C371383               |                          | <20      | 0.08     | <10      | <10      | 332      | <10      | 172      |           |           |           |
| C371384               |                          | <20      | 0.12     | <10      | <10      | 19       | <10      | 43       |           |           |           |
| C371385               |                          | <20      | 0.01     | <10      | <10      | 4        | <10      | 5        |           |           |           |
| C371386               |                          | <20      | 0.06     | <10      | <10      | 7        | <10      | 29       |           |           |           |
| C371387               |                          | <20      | 0.06     | <10      | <10      | 8        | <10      | 22       |           |           |           |
| C371388               |                          | <20      | 0.09     | <10      | <10      | 11       | <10      | 32       |           |           |           |
| C371389               |                          | <20      | 0.01     | <10      | <10      | 1        | <10      | <2       |           |           |           |
| C371390               |                          | <20      | 0.33     | <10      | <10      | 102      | <10      | 40       |           |           |           |
| C371391               |                          | <20      | 0.09     | <10      | <10      | 10       | <10      | 79       |           |           |           |
| <del>XXXXXXXXXX</del> |                          | <20      | 0.08     | <10      | <10      | 9        | <10      | 32       |           |           |           |
| <del>XXXXXXXXXX</del> |                          | <20      | 0.02     | <10      | <10      | 13       | <10      | 38       |           |           |           |
| <del>XXXXXXXXXX</del> |                          | <20      | 0.02     | <10      | <10      | 4        | <10      | 8        |           |           |           |
| <del>XXXXXXXXXX</del> |                          | <20      | 0.04     | <10      | <10      | 5        | <10      | 18       |           |           |           |
| <del>XXXXXXXXXX</del> |                          | <20      | 0.19     | <10      | <10      | 49       | <10      | 24       |           |           |           |
| <del>XXXXXXXXXX</del> |                          | <20      | 0.31     | <10      | <10      | 203      | <10      | 36       |           |           |           |



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Page: 1  
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Account: RRR

**CERTIFICATE TB08111960**

Project: OFF LAKE-HWY 404

P.O. No.:

This report is for 51 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 11-AUG-2008.

The following have access to data associated with this certificate:

CJ BAKER  
NELSON BAKER

NELSON BAKER  
ALLEN RAOUL

CJ BAKER

**SAMPLE PREPARATION**

| ALS CODE | DESCRIPTION                    |
|----------|--------------------------------|
| WEI-21   | Received Sample Weight         |
| LOG-22   | Sample login - Rcd w/o BarCode |
| DRY-21   | High Temperature Drying        |
| CRU-QC   | Crushing QC Test               |
| PUL-QC   | Pulverizing QC Test            |
| CRU-31   | Fine crushing - 70% <2mm       |
| SPL-21   | Split sample - riffle splitter |
| PUL-31   | Pulverize split to 85% <75 um  |

**ANALYTICAL PROCEDURES**

| ALS CODE | DESCRIPTION                   | INSTRUMENT |
|----------|-------------------------------|------------|
| ME-ICP41 | 35 Element Aqua Regia ICP-AES | ICP-AES    |
| Au-AA23  | Au 30g FA-AA finish           | AAS        |

To: RAINY RIVER RESOURCES LTD.  
ATTN: ALLEN RAOUL  
P.O.BOX 5, 48 MARION STREET  
ECHO LAKES ESTATE  
EMO ON POW 1E0

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:



Colin Ramshaw, Vancouver Laboratory Manager



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To: RAINY RIVER RESOURCES LTD.  
 303-1620 WEST 8TH AVENUE  
 VANCOUVER BC V6J 1V4

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 Total # Pages: 3 (A - C)  
 Finalized Date: 21-AUG-2008  
 Account: RRR

Project: OFF LAKE-HWY 404

**CERTIFICATE OF ANALYSIS TB08111960**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21          | Au-AA23   | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41  |         |
|--------------------|-----------------------------------|-----------------|-----------|-----------|----------|-----------|----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|---------|
|                    |                                   | Recvd Wt.<br>kg | Au<br>ppm | Ag<br>ppm | Al<br>%  | As<br>ppm | B<br>ppm | Ba<br>ppm | Be<br>ppm | Bi<br>ppm | Ca<br>%  | Cd<br>ppm | Co<br>ppm | Cr<br>ppm | Cu<br>ppm | Fe<br>% |
|                    |                                   | 0.02            | 0.005     | 0.2       | 0.01     | 2         | 10       | 10        | 0.5       | 2         | 0.01     | 0.5       | 1         | 1         | 0.01      |         |
| C369501            |                                   | 2.49            | 0.005     | 0.2       | 3.34     | <2        | <10      | 20        | <0.5      | <2        | 1.10     | <0.5      | 33        | 97        | 161       | 5.22    |
| C369502            |                                   | 1.83            | 0.411     | 6.0       | 0.03     | <2        | <10      | <10       | <0.5      | 27        | 0.02     | <0.5      | 3         | 11        | 1525      | 3.40    |
| C369503            |                                   | 0.97            | 0.073     | 1.4       | 2.01     | <2        | <10      | 30        | <0.5      | 3         | 4.67     | <0.5      | 40        | 68        | 434       | 6.98    |
| C369504            |                                   | 1.38            | 0.020     | 0.9       | 1.61     | <2        | <10      | <10       | <0.5      | 3         | 0.28     | 8.6       | 58        | 34        | 798       | 6.25    |
| C369505            |                                   | 1.21            | 0.035     | 0.7       | 1.82     | <2        | <10      | 10        | <0.5      | 4         | 0.27     | 1.4       | 22        | 45        | 447       | 8.37    |
| C369506            |                                   | 1.41            | <0.005    | <0.2      | 1.22     | 2         | <10      | 10        | <0.5      | <2        | 0.81     | <0.5      | 15        | 38        | 88        | 2.04    |
| C369507            |                                   | 1.03            | 0.061     | 1.3       | 0.73     | 2         | <10      | <10       | <0.5      | <2        | 0.06     | 3.0       | 130       | 20        | 822       | 7.17    |
| C369508            |                                   | 1.21            | 0.021     | 1.5       | 4.37     | 10        | <10      | 10        | <0.5      | 4         | 0.21     | 13.6      | 417       | 81        | 2730      | 17.4    |
| C369509            |                                   | 1.24            | 0.015     | 0.7       | 1.88     | 3         | <10      | 10        | <0.5      | <2        | 0.47     | 3.6       | 48        | 36        | 548       | 5.83    |
| C369510            |                                   | 1.98            | <0.005    | 0.2       | 1.61     | <2        | <10      | 10        | <0.5      | <2        | 0.55     | <0.5      | 23        | 26        | 135       | 2.75    |
| C369511            |                                   | 1.26            | 0.011     | 0.7       | 1.41     | 2         | <10      | <10       | <0.5      | <2        | 0.43     | <0.5      | 92        | 43        | 610       | 5.03    |
| C369512            |                                   | 1.60            | 0.005     | 0.2       | 1.93     | <2        | <10      | 10        | <0.5      | <2        | 1.08     | 0.9       | 33        | 58        | 281       | 3.52    |
| C369513            |                                   | 1.77            | <0.005    | 0.2       | 1.19     | <2        | <10      | 10        | <0.5      | 4         | 0.79     | <0.5      | 15        | 45        | 140       | 2.19    |
| C369514            |                                   | 1.70            | <0.005    | <0.2      | 0.18     | <2        | <10      | <10       | <0.5      | 3         | 0.24     | <0.5      | 3         | 15        | 34        | 0.54    |
| C369515            |                                   | 2.01            | <0.005    | 0.3       | 1.19     | 2         | <10      | 30        | <0.5      | 5         | 1.34     | <0.5      | 20        | 22        | 259       | 4.50    |
| C369516            |                                   | 1.96            | 0.005     | 0.5       | 0.68     | <2        | <10      | 10        | <0.5      | 5         | 0.66     | 0.8       | 124       | 37        | 950       | 6.76    |
| C369517            |                                   | 1.67            | <0.005    | 0.2       | 3.19     | 3         | <10      | 20        | <0.5      | 6         | 0.89     | <0.5      | 26        | 58        | 84        | 7.00    |
| C369518            |                                   | 1.96            | <0.005    | 0.2       | 1.14     | <2        | <10      | <10       | <0.5      | 3         | 0.89     | <0.5      | 18        | 21        | 149       | 2.29    |
| C369519            |                                   | 2.03            | <0.005    | <0.2      | 1.15     | <2        | <10      | 10        | <0.5      | 4         | 0.78     | <0.5      | 13        | 56        | 41        | 1.85    |
| C369520            |                                   | 1.55            | <0.005    | 0.2       | 1.14     | <2        | <10      | 10        | <0.5      | 4         | 0.47     | <0.5      | 14        | 104       | 22        | 1.79    |
| C369521            |                                   | 1.75            | <0.005    | <0.2      | 1.46     | 2         | <10      | 30        | <0.5      | 4         | 0.61     | <0.5      | 19        | 143       | 77        | 2.28    |
| C369522            |                                   | 1.33            | <0.005    | 0.2       | 2.16     | <2        | <10      | 30        | <0.5      | 4         | 1.70     | <0.5      | 27        | 259       | 88        | 3.22    |
| C369523            |                                   | 1.65            | <0.005    | <0.2      | 1.32     | <2        | <10      | 20        | <0.5      | 4         | 0.68     | <0.5      | 15        | 32        | 50        | 2.29    |
| C369524            |                                   | 2.18            | <0.005    | 0.2       | 1.54     | 2         | <10      | 10        | <0.5      | 4         | 0.64     | <0.5      | 32        | 79        | 205       | 2.58    |
| C369525            |                                   | 1.06            | <0.005    | 0.2       | 1.58     | <2        | <10      | 10        | <0.5      | 4         | 0.78     | <0.5      | 21        | 28        | 148       | 2.45    |
| C369526            |                                   | 1.09            | <0.005    | 0.2       | 1.69     | <2        | <10      | 10        | <0.5      | 5         | 0.96     | <0.5      | 26        | 32        | 188       | 3.62    |
| C369527            |                                   | 1.22            | 0.012     | 0.6       | 0.72     | <2        | <10      | 10        | <0.5      | 6         | 0.45     | 4.0       | 74        | 33        | 781       | 3.91    |
| C369528            |                                   | 1.22            | 0.024     | 0.7       | 2.24     | <2        | <10      | <10       | <0.5      | 8         | 0.26     | 21.7      | 65        | 40        | 831       | 6.14    |
| C369529            |                                   | 1.69            | <0.005    | 0.2       | 1.00     | 3         | <10      | 10        | <0.5      | 4         | 1.07     | <0.5      | 21        | 58        | 79        | 1.72    |
| C369530            |                                   | 2.52            | <0.005    | 0.2       | 1.78     | <2        | <10      | <10       | <0.5      | 4         | 0.81     | <0.5      | 22        | 58        | 99        | 2.22    |
| C369531            |                                   | 2.75            | <0.005    | 0.2       | 1.51     | 2         | <10      | <10       | <0.5      | 4         | 1.02     | <0.5      | 16        | 44        | 77        | 1.45    |
| C369532            |                                   | 2.38            | <0.005    | 0.2       | 0.99     | <2        | <10      | 10        | <0.5      | 4         | 1.15     | <0.5      | 11        | 35        | 99        | 0.90    |
| C369533            |                                   | 1.78            | <0.005    | <0.2      | 0.72     | <2        | <10      | <10       | <0.5      | 4         | 0.89     | <0.5      | 4         | 36        | 4         | 0.72    |
| C369534            |                                   | 2.05            | <0.005    | <0.2      | 3.81     | 2         | <10      | 10        | <0.5      | 6         | 2.63     | <0.5      | 19        | 38        | 132       | 1.56    |
| C369535            |                                   | 1.58            | <0.005    | 0.3       | 1.41     | 2         | <10      | <10       | <0.5      | 4         | 1.00     | <0.5      | 16        | 35        | 103       | 1.38    |
| C369536            |                                   | 1.84            | <0.005    | 0.2       | 1.52     | 4         | <10      | 10        | <0.5      | 4         | 0.63     | <0.5      | 22        | 63        | 63        | 2.28    |
| C369601            |                                   | 0.57            | <0.005    | <0.2      | 2.65     | <2        | <10      | 10        | <0.5      | 4         | 1.45     | <0.5      | 16        | 58        | 103       | 1.92    |
| C369602            |                                   | 0.51            | <0.005    | 0.2       | 0.91     | <2        | <10      | 20        | <0.5      | 5         | 0.72     | <0.5      | 15        | 25        | 28        | 1.64    |
| C369603            |                                   | 0.88            | <0.005    | <0.2      | 0.99     | <2        | <10      | 10        | <0.5      | 4         | 0.74     | <0.5      | 15        | 43        | 52        | 1.79    |
| C369604            |                                   | 0.45            | <0.005    | <0.2      | 1.03     | <2        | <10      | 10        | <0.5      | 4         | 0.55     | <0.5      | 17        | 67        | 43        | 1.88    |





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Project: OFF LAKE-HWY 404

**CERTIFICATE OF ANALYSIS TB08111960**

| Sample Description | Method Analyte Units LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |     |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|
|                    |                          | Ga       | Hg       | K        | La       | Mg       | Mn       | Mo       | Na       | Ni       | P        | Pb       | S        | Sb       | Sc       | Sr  |
|                    |                          | ppm      | ppm      | %        | ppm      | %        | ppm      | ppm      | %        | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm |
|                    |                          | 10       | 1        | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 2        | 1        | 1   |
| C369501            |                          | 10       | <1       | 0.08     | <10      | 2.49     | 956      | <1       | 0.08     | 54       | 310      | <2       | 0.22     | 2        | 5        | 9   |
| C369502            |                          | <10      | <1       | <0.01    | <10      | 0.02     | 40       | <1       | 0.01     | 4        | 10       | <2       | 2.98     | <2       | <1       | 2   |
| C369503            |                          | <10      | <1       | 0.45     | <10      | 3.02     | 1390     | <1       | 0.02     | 64       | 280      | 2        | 0.98     | <2       | 11       | 181 |
| C369504            |                          | 10       | <1       | 0.01     | 10       | 1.29     | 419      | <1       | 0.08     | 93       | 290      | 31       | 3.13     | <2       | 2        | 7   |
| C369505            |                          | 10       | <1       | 0.05     | 10       | 1.30     | 433      | 1        | 0.04     | 28       | 420      | 4        | 0.89     | <2       | 3        | 17  |
| C369506            |                          | <10      | <1       | 0.03     | <10      | 0.85     | 307      | <1       | 0.06     | 41       | 290      | <2       | 0.07     | <2       | 3        | 11  |
| C369507            |                          | <10      | <1       | 0.03     | <10      | 0.43     | 181      | <1       | 0.01     | 129      | 70       | 3        | 5.94     | <2       | 1        | 3   |
| C369508            |                          | 10       | <1       | 0.03     | 10       | 3.06     | 962      | 1        | 0.01     | 114      | 360      | 3        | >10.0    | <2       | 3        | 6   |
| C369509            |                          | 10       | <1       | 0.03     | <10      | 1.27     | 549      | <1       | 0.03     | 39       | 260      | 9        | 2.47     | <2       | 2        | 9   |
| C369510            |                          | <10      | <1       | 0.06     | <10      | 1.27     | 329      | 4        | 0.05     | 74       | 240      | <2       | 0.25     | <2       | 2        | 7   |
| C369511            |                          | <10      | <1       | 0.03     | <10      | 0.93     | 288      | <1       | 0.03     | 68       | 240      | <2       | 2.23     | 2        | 3        | 7   |
| C369512            |                          | <10      | <1       | 0.02     | <10      | 1.14     | 574      | <1       | 0.06     | 33       | 320      | <2       | 0.16     | 2        | 4        | 14  |
| C369513            |                          | <10      | 1        | 0.03     | <10      | 0.81     | 348      | <1       | 0.07     | 23       | 350      | <2       | 0.05     | <2       | 4        | 8   |
| C369514            |                          | <10      | 1        | <0.01    | <10      | 0.14     | 118      | <1       | <0.01    | 5        | 30       | <2       | <0.01    | <2       | <1       | 2   |
| C369515            |                          | <10      | 1        | 0.04     | <10      | 0.66     | 766      | <1       | 0.09     | 37       | 260      | <2       | 0.68     | <2       | 5        | 6   |
| C369516            |                          | <10      | <1       | 0.03     | <10      | 0.28     | 356      | <1       | 0.02     | 121      | 270      | 4        | 4.02     | <2       | 5        | 3   |
| C369517            |                          | 10       | <1       | 0.05     | <10      | 1.99     | 1405     | <1       | 0.04     | 67       | 290      | 2        | 0.35     | <2       | 4        | 6   |
| C369518            |                          | <10      | <1       | 0.03     | <10      | 0.64     | 267      | <1       | 0.10     | 33       | 290      | <2       | 0.19     | <2       | 4        | 9   |
| C369519            |                          | <10      | 1        | 0.07     | <10      | 0.87     | 297      | <1       | 0.06     | 34       | 180      | <2       | 0.04     | <2       | 3        | 7   |
| C369520            |                          | <10      | 1        | 0.02     | <10      | 0.96     | 245      | <1       | 0.02     | 41       | 120      | <2       | <0.01    | <2       | 2        | 7   |
| C369521            |                          | <10      | <1       | 0.02     | <10      | 1.22     | 390      | <1       | 0.03     | 60       | 180      | 15       | 0.01     | <2       | 4        | 7   |
| C369522            |                          | 10       | 1        | 0.09     | <10      | 2.17     | 583      | <1       | 0.02     | 132      | 430      | <2       | 0.08     | <2       | 2        | 36  |
| C369523            |                          | <10      | <1       | 0.04     | 10       | 0.97     | 398      | <1       | 0.03     | 18       | 550      | <2       | 0.02     | <2       | 2        | 29  |
| C369524            |                          | <10      | 1        | 0.01     | <10      | 1.20     | 378      | 4        | 0.03     | 105      | 100      | <2       | 0.23     | <2       | 3        | 6   |
| C369525            |                          | <10      | 1        | 0.04     | <10      | 1.10     | 311      | <1       | 0.07     | 66       | 250      | <2       | 0.12     | <2       | 3        | 9   |
| C369526            |                          | <10      | 1        | 0.03     | <10      | 1.20     | 363      | 2        | 0.07     | 43       | 310      | <2       | 0.40     | <2       | 5        | 7   |
| C369527            |                          | 10       | <1       | 0.05     | <10      | 0.51     | 186      | 1        | 0.04     | 98       | 290      | 4        | 2.49     | <2       | 3        | 5   |
| C369528            |                          | 10       | 1        | 0.01     | <10      | 1.89     | 502      | 3        | <0.01    | 62       | 300      | <2       | 1.86     | <2       | 5        | 6   |
| C369529            |                          | <10      | <1       | 0.06     | <10      | 0.67     | 279      | <1       | 0.03     | 49       | 100      | <2       | 0.68     | <2       | 2        | 8   |
| C369530            |                          | <10      | 1        | 0.02     | <10      | 1.44     | 320      | <1       | 0.04     | 61       | 120      | <2       | 0.12     | <2       | 2        | 9   |
| C369531            |                          | <10      | <1       | 0.02     | <10      | 0.88     | 218      | <1       | 0.06     | 52       | 100      | <2       | 0.06     | <2       | 2        | 12  |
| C369532            |                          | <10      | <1       | 0.03     | <10      | 0.42     | 196      | <1       | 0.06     | 39       | 100      | <2       | 0.08     | <2       | 2        | 13  |
| C369533            |                          | <10      | <1       | <0.01    | <10      | 0.32     | 174      | <1       | 0.06     | 12       | 160      | <2       | <0.01    | <2       | 2        | 12  |
| C369534            |                          | <10      | 1        | 0.01     | <10      | 0.61     | 195      | <1       | 0.30     | 64       | 100      | <2       | 0.16     | <2       | 3        | 37  |
| C369535            |                          | <10      | <1       | 0.02     | <10      | 0.58     | 195      | 1        | 0.11     | 37       | 90       | <2       | 0.12     | <2       | 2        | 18  |
| C369536            |                          | <10      | 1        | 0.02     | <10      | 1.30     | 331      | 1        | 0.03     | 57       | 110      | <2       | 0.28     | <2       | 2        | 7   |
| C369601            |                          | <10      | 1        | 0.02     | <10      | 1.15     | 285      | <1       | 0.17     | 50       | 110      | <2       | 0.06     | <2       | 2        | 24  |
| C369602            |                          | <10      | <1       | 0.07     | <10      | 0.77     | 166      | <1       | 0.04     | 50       | 410      | <2       | 0.59     | <2       | 2        | 21  |
| C369603            |                          | <10      | <1       | 0.05     | <10      | 0.60     | 233      | <1       | 0.03     | 38       | 100      | <2       | 0.29     | <2       | 3        | 9   |
| C369604            |                          | <10      | <1       | 0.04     | <10      | 0.87     | 244      | <1       | 0.03     | 48       | 90       | <2       | 0.34     | <2       | 2        | 8   |



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| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |      |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|----------|------|
|                    |                                   | Th       | Ti       | Tl       | U        | V        | W        | Zn   |
|                    |                                   | ppm      | %        | ppm      | ppm      | ppm      | ppm      | ppm  |
|                    |                                   | 20       | 0.01     | 10       | 10       | 1        | 10       | 2    |
| C369501            |                                   | <20      | 0.19     | <10      | <10      | 86       | <10      | 70   |
| C369502            |                                   | <20      | <0.01    | <10      | <10      | 2        | <10      | 3    |
| C369503            |                                   | <20      | 0.07     | <10      | <10      | 75       | <10      | 70   |
| C369504            |                                   | <20      | 0.10     | <10      | <10      | 35       | <10      | 3740 |
| C369505            |                                   | <20      | 0.18     | <10      | <10      | 48       | <10      | 542  |
| C369506            |                                   | <20      | 0.17     | <10      | <10      | 46       | <10      | 40   |
| C369507            |                                   | <20      | 0.03     | <10      | <10      | 28       | <10      | 715  |
| C369508            |                                   | <20      | 0.12     | <10      | <10      | 67       | <10      | 3950 |
| C369509            |                                   | <20      | 0.12     | <10      | <10      | 40       | <10      | 1280 |
| C369510            |                                   | <20      | 0.16     | <10      | <10      | 50       | <10      | 44   |
| C369511            |                                   | <20      | 0.13     | <10      | <10      | 38       | <10      | 99   |
| C369512            |                                   | <20      | 0.17     | <10      | <10      | 50       | <10      | 213  |
| C369513            |                                   | <20      | 0.10     | <10      | <10      | 41       | <10      | 30   |
| C369514            |                                   | <20      | 0.01     | <10      | <10      | 7        | <10      | 8    |
| C369515            |                                   | <20      | 0.09     | <10      | <10      | 42       | <10      | 68   |
| C369516            |                                   | <20      | 0.16     | <10      | <10      | 43       | <10      | 441  |
| C369517            |                                   | <20      | 0.14     | <10      | <10      | 100      | <10      | 137  |
| C369518            |                                   | <20      | 0.10     | <10      | <10      | 53       | <10      | 31   |
| C369519            |                                   | <20      | 0.12     | <10      | <10      | 33       | <10      | 23   |
| C369520            |                                   | <20      | 0.10     | <10      | <10      | 28       | <10      | 23   |
| C369521            |                                   | <20      | 0.11     | <10      | <10      | 42       | <10      | 42   |
| C369522            |                                   | <20      | 0.10     | <10      | <10      | 57       | <10      | 65   |
| C369523            |                                   | <20      | 0.13     | <10      | <10      | 43       | <10      | 40   |
| C369524            |                                   | <20      | 0.11     | <10      | <10      | 35       | <10      | 37   |
| C369525            |                                   | <20      | 0.14     | <10      | <10      | 47       | <10      | 33   |
| C369526            |                                   | <20      | 0.11     | <10      | <10      | 72       | <10      | 45   |
| C369527            |                                   | <20      | 0.19     | <10      | <10      | 46       | <10      | 1290 |
| C369528            |                                   | <20      | 0.12     | <10      | <10      | 43       | <10      | 3200 |
| C369529            |                                   | <20      | 0.07     | <10      | <10      | 23       | <10      | 38   |
| C369530            |                                   | <20      | 0.11     | <10      | <10      | 35       | <10      | 46   |
| C369531            |                                   | <20      | 0.10     | <10      | <10      | 29       | <10      | 20   |
| C369532            |                                   | <20      | 0.09     | <10      | <10      | 19       | <10      | 23   |
| C369533            |                                   | <20      | 0.12     | <10      | <10      | 18       | <10      | 9    |
| C369534            |                                   | <20      | 0.07     | <10      | <10      | 26       | <10      | 15   |
| C369535            |                                   | <20      | 0.09     | <10      | <10      | 23       | <10      | 17   |
| C369536            |                                   | <20      | 0.11     | <10      | <10      | 30       | <10      | 29   |
| C369601            |                                   | <20      | 0.09     | <10      | <10      | 33       | <10      | 25   |
| C369602            |                                   | <20      | 0.07     | <10      | <10      | 24       | <10      | 19   |
| C369603            |                                   | <20      | 0.14     | <10      | <10      | 28       | <10      | 18   |
| C369604            |                                   | <20      | 0.13     | <10      | <10      | 31       | <10      | 27   |



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 Account: RRR

Project: OFF LAKE-HWY 404

**CERTIFICATE OF ANALYSIS TB08111960**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21    | Au-AA23 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|--------------------|-----------------------------------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    |                                   | Recvd Wt. | Au      | Ag       | Al       | As       | B        | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       |
|                    |                                   | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        |
|                    |                                   | 0.02      | 0.005   | 0.2      | 0.01     | 2        | 10       | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     |
| C369605            |                                   | 0.38      | <0.005  | <0.2     | 1.64     | <2       | <10      | <10      | <0.5     | 3        | 0.68     | <0.5     | 21       | 65       | 32       | 2.16     |
| C369606            |                                   | 0.40      | <0.005  | <0.2     | 0.16     | 2        | <10      | <10      | <0.5     | 3        | 0.17     | <0.5     | 6        | 11       | 16       | 0.73     |
| C369607            |                                   | 1.58      | <0.005  | 0.2      | 1.56     | <2       | <10      | 10       | <0.5     | 4        | 0.75     | <0.5     | 23       | 51       | 141      | 3.32     |
| C369551            |                                   | 1.64      | <0.005  | 0.2      | 0.68     | <2       | <10      | 20       | <0.5     | 4        | 0.85     | <0.5     | 10       | 15       | 6        | 1.49     |
| C369552            |                                   | 2.03      | 0.005   | 0.4      | 1.42     | 2        | <10      | 10       | <0.5     | 6        | 0.55     | <0.5     | 41       | 85       | 262      | 3.33     |
| C369553            |                                   | 1.14      | 0.016   | 1.5      | 2.28     | 4        | <10      | 70       | <0.5     | 9        | 0.88     | 6.8      | 61       | 42       | 798      | 10.95    |
| C369554            |                                   | 1.21      | <0.005  | 0.2      | 2.49     | <2       | <10      | 10       | <0.5     | 6        | 1.31     | <0.5     | 24       | 88       | 57       | 3.09     |
| C369555            |                                   | 1.33      | <0.005  | <0.2     | 1.46     | <2       | <10      | 10       | <0.5     | 4        | 0.80     | <0.5     | 14       | 45       | 33       | 1.83     |
| C369556            |                                   | 1.03      | <0.005  | <0.2     | 2.83     | 2        | <10      | 10       | <0.5     | <2       | 0.80     | <0.5     | 26       | 81       | 48       | 3.88     |
| C369557            |                                   | 1.21      | <0.005  | 0.2      | 1.67     | 3        | <10      | <10      | <0.5     | <2       | 0.78     | <0.5     | 21       | 79       | 109      | 2.82     |
| C369558            |                                   | 1.06      | <0.005  | <0.2     | 0.42     | <2       | <10      | <10      | <0.5     | <2       | 0.18     | <0.5     | 6        | 19       | 26       | 1.11     |



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 Account: RRR

Project: OFF LAKE-HWY 404

**CERTIFICATE OF ANALYSIS TB08111960**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41        | ME-ICP41       | ME-ICP41       | ME-ICP41        | ME-ICP41        | ME-ICP41       | ME-ICP41       | ME-ICP41        | ME-ICP41       | ME-ICP41       | ME-ICP41       | ME-ICP41       | ME-ICP41       | ME-ICP41       |                |
|--------------------|-----------------------------------|-----------------|----------------|----------------|-----------------|-----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                    |                                   | Ga<br>ppm<br>10 | Hg<br>ppm<br>1 | K<br>%<br>0.01 | La<br>ppm<br>10 | Mg<br>%<br>0.01 | Mn<br>ppm<br>5 | Mo<br>ppm<br>1 | Na<br>%<br>0.01 | Ni<br>ppm<br>1 | P<br>ppm<br>10 | Pb<br>ppm<br>2 | S<br>%<br>0.01 | Sb<br>ppm<br>2 | Sc<br>ppm<br>1 | Sr<br>ppm<br>1 |
| C369605            |                                   | <10             | 1              | 0.03           | <10             | 1.44            | 326            | <1             | 0.04            | 56             | 110            | <2             | 0.15           | <2             | 2              | 11             |
| C369606            |                                   | <10             | <1             | <0.01          | <10             | 0.16            | 92             | <1             | 0.01            | 9              | 10             | <2             | 0.23           | <2             | <1             | 3              |
| C369607            |                                   | <10             | 1              | 0.04           | <10             | 1.23            | 405            | <1             | 0.04            | 49             | 350            | <2             | 0.32           | <2             | 3              | 6              |
| C369551            |                                   | <10             | 1              | 0.04           | 10              | 0.55            | 250            | <1             | 0.04            | 15             | 340            | <2             | 0.21           | <2             | 2              | 19             |
| C369552            |                                   | <10             | <1             | 0.03           | <10             | 1.27            | 341            | <1             | 0.02            | 84             | 200            | <2             | 1.24           | <2             | 3              | 23             |
| C369553            |                                   | 10              | 1              | 0.22           | <10             | 1.53            | 658            | 1              | 0.01            | 269            | 360            | 5              | 2.73           | <2             | 3              | 41             |
| C369554            |                                   | <10             | 1              | 0.01           | <10             | 1.69            | 518            | <1             | 0.07            | 71             | 120            | 2              | 0.09           | <2             | 3              | 13             |
| C369555            |                                   | <10             | 1              | 0.03           | <10             | 0.91            | 238            | <1             | 0.08            | 44             | 120            | <2             | 0.13           | <2             | 2              | 11             |
| C369556            |                                   | <10             | <1             | 0.03           | <10             | 2.49            | 500            | 1              | 0.04            | 87             | 120            | 2              | 0.29           | <2             | 2              | 8              |
| C369557            |                                   | <10             | <1             | 0.03           | <10             | 1.16            | 284            | 2              | 0.10            | 57             | 60             | <2             | 0.57           | <2             | 3              | 9              |
| C369558            |                                   | <10             | <1             | 0.01           | <10             | 0.31            | 135            | 1              | 0.01            | 26             | 100            | <2             | <0.01          | <2             | 1              | 3              |



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**CERTIFICATE OF ANALYSIS TB08111960**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|----------|----------|
|                    |                                   | Th       | Ti       | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | %        | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 20       | 0.01     | 10       | 10       | 1        | 10       | 2        |
| C369605            |                                   | <20      | 0.11     | <10      | <10      | 42       | <10      | 29       |
| C369606            |                                   | <20      | <0.01    | <10      | <10      | 8        | <10      | 3        |
| C369607            |                                   | <20      | 0.12     | <10      | <10      | 69       | <10      | 34       |
| C369551            |                                   | <20      | 0.05     | <10      | <10      | 18       | <10      | 17       |
| C369552            |                                   | <20      | 0.13     | <10      | <10      | 48       | <10      | 47       |
| C369553            |                                   | <20      | 0.12     | <10      | <10      | 42       | <10      | 2640     |
| C369554            |                                   | <20      | 0.12     | <10      | <10      | 60       | <10      | 47       |
| C369555            |                                   | <20      | 0.11     | <10      | <10      | 30       | <10      | 32       |
| C369556            |                                   | <20      | 0.13     | <10      | <10      | 43       | <10      | 60       |
| C369557            |                                   | <20      | 0.13     | <10      | <10      | 40       | <10      | 28       |
| C369558            |                                   | <20      | 0.03     | <10      | <10      | 9        | <10      | 9        |



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## CERTIFICATE TB08119995

Project: OFF LAKE-404-2

P.O. No.:

This report is for 99 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 25-AUG-2008.

The following have access to data associated with this certificate:

CJ BAKER  
NELSON BAKER

NELSON BAKER  
ALLEN RAOUL

CJ BAKER

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION                    |
|----------|--------------------------------|
| WEI-21   | Received Sample Weight         |
| LOG-22   | Sample login - Rcd w/o BarCode |
| CRU-QC   | Crushing QC Test               |
| PUL-QC   | Pulverizing QC Test            |
| CRU-31   | Fine crushing - 70% <2mm       |
| SPL-21   | Split sample - riffle splitter |
| PUL-31   | Pulverize split to 85% <75 um  |

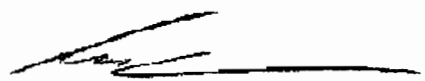
## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION                    | INSTRUMENT |
|----------|--------------------------------|------------|
| ME-ICP41 | 35 Element Aqua Regia ICP-AES  | ICP-AES    |
| ME-OG46  | Ore Grade Elements - AquaRegia | ICP-AES    |
| Zn-OG46  | Ore Grade Zn - Aqua Regia      | VARIABLE   |
| Au-AA23  | Au 30g FA-AA finish            | AAS        |

To: RAINY RIVER RESOURCES LTD.  
ATTN: ALLEN RAOUL  
P.O.BOX 5, 48 MARION STREET  
ECHO LAKES ESTATE  
EMO ON P0W 1E0

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

  
Colin Ramshaw, Vancouver Laboratory Manager



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Project: OFF LAKE-404-2

**CERTIFICATE OF ANALYSIS TB08119995**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21          | Au-AA23   | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 |
|--------------------|-----------------------------------|-----------------|-----------|-----------|----------|-----------|----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|----------|
|                    |                                   | Recvd Wt.<br>kg | Au<br>ppm | Ag<br>ppm | Al<br>%  | As<br>ppm | B<br>ppm | Ba<br>ppm | Be<br>ppm | Bi<br>ppm | Ca<br>%  | Cd<br>ppm | Co<br>ppm | Cr<br>ppm | Cu<br>ppm | Fe<br>%  |
| C369608            |                                   | 1.21            | 0.012     | <0.2      | 2.18     | 3         | <10      | 10        | <0.5      | 2         | 1.67     | <0.5      | 17        | 74        | 54        | 2.09     |
| C369609            |                                   | 1.44            | <0.005    | 0.3       | 2.16     | <2        | <10      | <10       | <0.5      | <2        | 2.02     | <0.5      | 22        | 93        | 79        | 2.65     |
| C369610            |                                   | 1.01            | <0.005    | 0.2       | 2.17     | <2        | <10      | <10       | <0.5      | <2        | 0.90     | <0.5      | 21        | 69        | 80        | 3.37     |
| C369611            |                                   | 0.60            | 0.007     | <0.2      | 2.27     | <2        | <10      | <10       | <0.5      | 2         | 5.16     | <0.5      | 23        | 81        | 38        | 4.20     |
| C369612            |                                   | 0.50            | 0.014     | 0.2       | 2.97     | 2         | <10      | 10        | <0.5      | 3         | 5.42     | <0.5      | 31        | 111       | 47        | 5.72     |
| C369613            |                                   | 0.98            | 0.288     | 0.3       | 3.19     | 2         | <10      | <10       | <0.5      | <2        | 5.48     | <0.5      | 32        | 116       | 53        | 6.25     |
| C369614            |                                   | 0.62            | <0.005    | 0.5       | 1.82     | <2        | <10      | <10       | <0.5      | <2        | 0.73     | <0.5      | 46        | 125       | 30        | 4.36     |
| C369615            |                                   | 1.33            | <0.005    | 0.2       | 2.28     | <2        | <10      | <10       | <0.5      | <2        | 3.74     | <0.5      | 40        | 100       | 107       | 5.67     |
| C369616            |                                   | 0.53            | <0.005    | 0.2       | 2.08     | <2        | <10      | <10       | <0.5      | <2        | 1.18     | <0.5      | 22        | 65        | 128       | 3.65     |
| C369617            |                                   | 0.78            | <0.005    | 0.4       | 3.21     | <2        | <10      | 10        | <0.5      | <2        | 1.04     | <0.5      | 31        | 93        | 80        | 5.85     |
| C369618            |                                   | 0.79            | <0.005    | 0.3       | 2.85     | <2        | <10      | <10       | <0.5      | <2        | 0.82     | <0.5      | 25        | 72        | 244       | 5.70     |
| C369619            |                                   | 0.51            | <0.005    | 0.3       | 3.02     | <2        | <10      | 10        | <0.5      | <2        | 1.17     | <0.5      | 28        | 90        | 105       | 5.27     |
| C369620            |                                   | 0.75            | <0.005    | 0.2       | 2.24     | <2        | <10      | <10       | <0.5      | <2        | 1.62     | <0.5      | 14        | 51        | 56        | 2.70     |
| C369621            |                                   | 0.45            | <0.005    | <0.2      | 1.98     | <2        | <10      | 10        | <0.5      | <2        | 1.64     | <0.5      | 18        | 44        | 148       | 2.82     |
| C369622            |                                   | 0.95            | <0.005    | 0.2       | 1.68     | <2        | <10      | <10       | <0.5      | <2        | 1.28     | <0.5      | 17        | 42        | 132       | 2.17     |
| C369623            |                                   | 0.59            | <0.005    | 0.2       | 0.03     | <2        | <10      | <10       | <0.5      | <2        | 0.06     | <0.5      | 1         | 13        | 17        | 0.41     |
| C369624            |                                   | 0.57            | 0.005     | <0.2      | 2.97     | <2        | <10      | 20        | <0.5      | <2        | 1.72     | <0.5      | 21        | 16        | 114       | 4.20     |
| C369625            |                                   | 0.80            | <0.005    | 0.3       | 2.74     | <2        | 10       | 10        | <0.5      | <2        | 2.08     | <0.5      | 29        | 10        | 26        | 6.13     |
| C369626            |                                   | 0.94            | <0.005    | 0.5       | 1.59     | <2        | <10      | 10        | <0.5      | <2        | 0.86     | <0.5      | 29        | 56        | 110       | 3.68     |
| C369627            |                                   | 1.13            | <0.005    | 0.4       | 1.76     | <2        | <10      | <10       | <0.5      | <2        | 0.87     | <0.5      | 33        | 72        | 252       | 4.67     |
| C369628            |                                   | 0.79            | <0.005    | 0.3       | 2.07     | <2        | <10      | <10       | <0.5      | <2        | 1.14     | <0.5      | 32        | 3         | 29        | 5.62     |
| C369629            |                                   | 0.73            | <0.005    | 0.2       | 1.89     | <2        | <10      | <10       | <0.5      | <2        | 1.05     | <0.5      | 23        | 60        | 129       | 3.45     |
| C369630            |                                   | 1.00            | <0.005    | 0.3       | 2.70     | <2        | <10      | 10        | <0.5      | 2         | 1.72     | <0.5      | 24        | 3         | 87        | 6.88     |
| C369631            |                                   | 0.79            | <0.005    | 0.2       | 3.06     | 4         | <10      | <10       | <0.5      | <2        | 7.11     | <0.5      | 33        | 141       | 86        | 4.38     |
| C369632            |                                   | 1.33            | <0.005    | <0.2      | 1.12     | <2        | <10      | 10        | <0.5      | <2        | 1.63     | <0.5      | 17        | 45        | 108       | 1.63     |
| C369633            |                                   | 0.75            | 0.071     | 0.5       | 0.24     | <2        | <10      | 10        | <0.5      | <2        | 1.92     | <0.5      | 6         | 6         | 83        | 1.68     |
| C369634            |                                   | 0.92            | <0.005    | 0.3       | 1.30     | <2        | <10      | 10        | <0.5      | <2        | 1.29     | <0.5      | 27        | 56        | 165       | 2.99     |
| C369635            |                                   | 0.66            | <0.005    | 0.3       | 3.22     | <2        | <10      | 10        | <0.5      | <2        | 0.55     | <0.5      | 34        | 1085      | 52        | 5.61     |
| C369636            |                                   | 1.04            | <0.005    | 0.4       | 2.20     | <2        | <10      | <10       | <0.5      | <2        | 1.49     | <0.5      | 19        | 19        | 46        | 6.20     |
| C369637            |                                   | 0.59            | <0.005    | 0.4       | 0.19     | <2        | <10      | <10       | <0.5      | <2        | 0.09     | <0.5      | 2         | 10        | 26        | 0.78     |
| C369638            |                                   | 1.05            | 0.010     | 0.3       | 4.07     | 4         | <10      | <10       | <0.5      | 2         | 0.37     | <0.5      | 28        | 1780      | 98        | 7.83     |
| C369639            |                                   | 1.07            | <0.005    | 0.2       | 3.11     | 3         | <10      | <10       | <0.5      | <2        | 0.22     | <0.5      | 25        | 1475      | 65        | 5.95     |
| C369640            |                                   | 0.68            | <0.005    | 0.4       | 2.79     | 4         | <10      | 20        | <0.5      | <2        | 0.25     | <0.5      | 14        | 1500      | 123       | 7.04     |
| C369641            |                                   | 0.56            | <0.005    | 0.2       | 2.73     | 3         | <10      | <10       | <0.5      | <2        | 0.24     | <0.5      | 16        | 1425      | 120       | 5.69     |
| C369642            |                                   | 0.75            | <0.005    | 0.2       | 1.45     | <2        | <10      | <10       | <0.5      | <2        | 0.37     | <0.5      | 15        | 186       | 61        | 3.42     |
| C369643            |                                   | 1.17            | 0.031     | 1.2       | 2.87     | <2        | <10      | <10       | <0.5      | <2        | 1.01     | 1.6       | 59        | 103       | 1200      | 6.56     |
| C369644            |                                   | 0.50            | <0.005    | 0.2       | 0.15     | <2        | <10      | <10       | <0.5      | <2        | 0.04     | <0.5      | 1         | 11        | 38        | 1.11     |
| C369645            |                                   | 0.72            | <0.005    | 0.7       | 1.43     | <2        | <10      | 40        | <0.5      | <2        | 0.20     | 1.0       | 18        | 96        | 721       | 5.52     |
| C369646            |                                   | 1.32            | 3.01      | 15.2      | 0.36     | <2        | <10      | 40        | <0.5      | 9         | 9.64     | <0.5      | 36        | 67        | 20        | 6.45     |
| C369647            |                                   | 0.54            | 0.033     | 0.7       | 0.59     | <2        | <10      | 30        | <0.5      | <2        | 1.80     | <0.5      | 6         | 17        | 27        | 2.03     |



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Project: OFF LAKE-404-2

**CERTIFICATE OF ANALYSIS TB08119995**

| Sample Description | Method                  | ME-ICP41        | ME-ICP41       | ME-ICP41       | ME-ICP41        | ME-ICP41        | ME-ICP41       | ME-ICP41       | ME-ICP41        | ME-ICP41       | ME-ICP41       | ME-ICP41       | ME-ICP41       | ME-ICP41       | ME-ICP41       |                |
|--------------------|-------------------------|-----------------|----------------|----------------|-----------------|-----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                    | Analyte<br>Units<br>LOR | Ga<br>ppm<br>10 | Hg<br>ppm<br>1 | K<br>%<br>0.01 | La<br>ppm<br>10 | Mg<br>%<br>0.01 | Mn<br>ppm<br>5 | Mo<br>ppm<br>1 | Na<br>%<br>0.01 | Ni<br>ppm<br>1 | P<br>ppm<br>10 | Pb<br>ppm<br>2 | S<br>%<br>0.01 | Sb<br>ppm<br>2 | Sc<br>ppm<br>1 | Sr<br>ppm<br>1 |
| C369608            |                         | <10             | <1             | 0.02           | <10             | 0.92            | 331            | <1             | 0.08            | 67             | 120            | 11             | 0.05           | <2             | 4              | 16             |
| C369609            |                         | <10             | <1             | 0.02           | <10             | 1.30            | 463            | <1             | 0.03            | 76             | 110            | 2              | 0.05           | <2             | 3              | 14             |
| C369610            |                         | <10             | <1             | 0.01           | <10             | 1.66            | 470            | <1             | 0.01            | 60             | 200            | 3              | 0.03           | 2              | 3              | 11             |
| C369611            |                         | 10              | <1             | 0.13           | <10             | 1.83            | 899            | 14             | 0.01            | 66             | 120            | 3              | 0.49           | <2             | 7              | 47             |
| C369612            |                         | <10             | <1             | 0.13           | <10             | 2.90            | 1385           | 3              | 0.02            | 100            | 180            | <2             | 0.23           | <2             | 12             | 74             |
| C369613            |                         | 10              | <1             | 0.13           | <10             | 3.08            | 1460           | 4              | 0.01            | 107            | 180            | 5              | 0.23           | 2              | 12             | 79             |
| C369614            |                         | <10             | <1             | 0.07           | <10             | 1.89            | 382            | 3              | <0.01           | 67             | 130            | 2              | 1.26           | 2              | 4              | 22             |
| C369615            |                         | <10             | <1             | 0.16           | <10             | 2.39            | 1160           | 1              | <0.01           | 114            | 140            | 3              | 0.54           | <2             | 7              | 19             |
| C369616            |                         | <10             | <1             | 0.02           | <10             | 1.26            | 522            | <1             | 0.08            | 64             | 220            | 2              | 0.10           | 2              | 4              | 10             |
| C369617            |                         | 10              | <1             | 0.03           | <10             | 2.46            | 947            | <1             | 0.04            | 75             | 260            | <2             | 0.03           | 2              | 3              | 8              |
| C369618            |                         | 10              | <1             | 0.02           | <10             | 2.05            | 743            | <1             | 0.03            | 58             | 260            | 2              | 0.09           | <2             | 4              | 10             |
| C369619            |                         | 10              | <1             | 0.02           | <10             | 1.86            | 728            | <1             | 0.09            | 74             | 260            | 6              | 0.05           | <2             | 5              | 15             |
| C369620            |                         | <10             | <1             | 0.04           | <10             | 0.94            | 416            | <1             | 0.20            | 42             | 260            | 3              | 0.01           | 2              | 6              | 24             |
| C369621            |                         | <10             | <1             | 0.04           | <10             | 0.85            | 456            | <1             | 0.15            | 46             | 280            | 2              | 0.07           | <2             | 5              | 18             |
| C369622            |                         | <10             | <1             | 0.02           | <10             | 0.65            | 284            | <1             | 0.18            | 54             | 290            | 2              | 0.12           | 2              | 5              | 14             |
| C369623            |                         | <10             | <1             | <0.01          | <10             | 0.01            | 49             | 1              | <0.01           | 1              | 10             | <2             | <0.01          | <2             | <1             | 1              |
| C369624            |                         | 10              | <1             | 0.13           | <10             | 1.09            | 332            | <1             | 0.21            | 35             | 310            | 2              | 0.08           | <2             | 3              | 40             |
| C369625            |                         | 10              | <1             | 0.07           | <10             | 1.13            | 386            | <1             | 0.04            | 19             | 510            | 2              | 0.15           | <2             | 8              | 12             |
| C369626            |                         | <10             | <1             | 0.05           | <10             | 1.13            | 456            | 2              | 0.07            | 82             | 280            | 7              | 0.60           | <2             | 5              | 12             |
| C369627            |                         | <10             | <1             | 0.04           | <10             | 1.23            | 510            | <1             | 0.01            | 106            | 300            | 2              | 1.21           | <2             | 4              | 11             |
| C369628            |                         | 10              | <1             | 0.02           | <10             | 1.15            | 661            | <1             | 0.09            | 2              | 510            | <2             | 0.23           | <2             | 9              | 10             |
| C369629            |                         | <10             | <1             | 0.03           | <10             | 1.37            | 431            | <1             | 0.04            | 45             | 280            | 2              | 0.12           | <2             | 4              | 14             |
| C369630            |                         | 10              | <1             | 0.08           | <10             | 0.69            | 444            | <1             | 0.16            | 14             | 580            | <2             | 0.06           | <2             | 4              | 25             |
| C369631            |                         | 10              | <1             | 0.05           | <10             | 2.23            | 828            | <1             | 0.01            | 99             | 120            | <2             | 0.08           | <2             | 7              | 25             |
| C369632            |                         | <10             | <1             | 0.01           | <10             | 0.44            | 305            | <1             | 0.04            | 65             | 240            | 2              | 0.09           | 2              | 4              | 15             |
| C369633            |                         | <10             | <1             | 0.07           | 10              | 0.66            | 619            | 1              | 0.05            | 18             | 410            | 4              | 0.27           | <2             | 2              | 92             |
| C369634            |                         | <10             | <1             | 0.01           | <10             | 0.71            | 366            | <1             | 0.07            | 73             | 390            | 6              | 0.23           | <2             | 5              | 13             |
| C369635            |                         | 10              | <1             | 0.06           | <10             | 3.80            | 470            | <1             | 0.02            | 321            | 390            | 2              | 0.01           | 2              | 1              | 4              |
| C369636            |                         | 10              | <1             | 0.05           | 10              | 0.90            | 660            | 1              | 0.14            | 4              | 2120           | 2              | 0.06           | 2              | 8              | 18             |
| C369637            |                         | <10             | <1             | 0.04           | <10             | 0.03            | 94             | 1              | 0.10            | 1              | 50             | 16             | 0.02           | <2             | <1             | 2              |
| C369638            |                         | 10              | <1             | 0.01           | <10             | 4.73            | 501            | <1             | 0.01            | 807            | 490            | <2             | 0.11           | 3              | 2              | 5              |
| C369639            |                         | 10              | <1             | 0.01           | <10             | 4.17            | 395            | <1             | 0.01            | 559            | 420            | 2              | 0.02           | 2              | 1              | 4              |
| C369640            |                         | 10              | <1             | 0.01           | <10             | 3.61            | 380            | 2              | 0.01            | 386            | 360            | 2              | 0.04           | 2              | 2              | 3              |
| C369641            |                         | 10              | <1             | 0.01           | <10             | 3.38            | 354            | <1             | 0.01            | 409            | 370            | 2              | 0.02           | 3              | 1              | 2              |
| C369642            |                         | 10              | <1             | 0.04           | <10             | 1.24            | 245            | 1              | 0.09            | 76             | 630            | 3              | <0.01          | <2             | 1              | 4              |
| C369643            |                         | <10             | <1             | 0.02           | <10             | 1.76            | 778            | <1             | 0.06            | 76             | 170            | 2              | 0.40           | 2              | 5              | 8              |
| C369644            |                         | <10             | <1             | 0.03           | <10             | 0.02            | 57             | 1              | 0.04            | <1             | 40             | 7              | <0.01          | <2             | <1             | 2              |
| C369645            |                         | 10              | <1             | 0.16           | <10             | 1.22            | 310            | <1             | 0.05            | 11             | 290            | 4              | 0.47           | <2             | 5              | 5              |
| C369646            |                         | <10             | <1             | 0.19           | 10              | 4.55            | 1965           | <1             | 0.02            | 147            | 280            | 9              | 1.68           | <2             | 12             | 661            |
| C369647            |                         | <10             | <1             | 0.06           | 10              | 0.52            | 423            | 5              | 0.09            | 11             | 440            | 7              | 0.75           | <2             | 2              | 95             |





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**CERTIFICATE OF ANALYSIS TB08119995**

| Sample Description | Method Analyte Units LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Zn-OG46 |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|---------|
|                    |                          | Th ppm   | Ti %     | Tl ppm   | U ppm    | V ppm    | W ppm    | Zn ppm   | Zn %    |
|                    |                          | 20       | 0.01     | 10       | 10       | 1        | 10       | 2        | 0.01    |
| C369608            |                          | <20      | 0.15     | <10      | <10      | 46       | <10      | 46       |         |
| C369609            |                          | <20      | 0.16     | <10      | <10      | 49       | <10      | 39       |         |
| C369610            |                          | <20      | 0.16     | <10      | <10      | 58       | <10      | 37       |         |
| C369611            |                          | <20      | 0.01     | <10      | <10      | 47       | <10      | 33       |         |
| C369612            |                          | <20      | <0.01    | <10      | <10      | 63       | <10      | 73       |         |
| C369613            |                          | <20      | <0.01    | <10      | <10      | 67       | <10      | 77       |         |
| C369614            |                          | <20      | 0.18     | <10      | <10      | 47       | <10      | 44       |         |
| C369615            |                          | <20      | 0.01     | <10      | <10      | 56       | <10      | 49       |         |
| C369616            |                          | <20      | 0.22     | <10      | <10      | 62       | <10      | 50       |         |
| C369617            |                          | <20      | 0.26     | <10      | <10      | 88       | <10      | 84       |         |
| C369618            |                          | <20      | 0.21     | <10      | <10      | 73       | <10      | 62       |         |
| C369619            |                          | <20      | 0.23     | <10      | <10      | 89       | <10      | 68       |         |
| C369620            |                          | <20      | 0.17     | <10      | <10      | 57       | <10      | 33       |         |
| C369621            |                          | <20      | 0.19     | <10      | <10      | 54       | <10      | 34       |         |
| C369622            |                          | <20      | 0.14     | <10      | <10      | 47       | <10      | 25       |         |
| C369623            |                          | <20      | <0.01    | <10      | <10      | 1        | <10      | <2       |         |
| C369624            |                          | <20      | 0.20     | <10      | <10      | 152      | <10      | 58       |         |
| C369625            |                          | <20      | 0.37     | <10      | <10      | 268      | <10      | 64       |         |
| C369626            |                          | <20      | 0.22     | <10      | <10      | 62       | <10      | 40       |         |
| C369627            |                          | <20      | 0.19     | <10      | <10      | 61       | <10      | 40       |         |
| C369628            |                          | <20      | 0.29     | <10      | <10      | 235      | <10      | 58       |         |
| C369629            |                          | <20      | 0.26     | <10      | <10      | 70       | <10      | 38       |         |
| C369630            |                          | <20      | 0.33     | <10      | <10      | 232      | <10      | 74       |         |
| C369631            |                          | <20      | 0.12     | <10      | <10      | 104      | <10      | 46       |         |
| C369632            |                          | <20      | 0.13     | <10      | <10      | 30       | <10      | 16       |         |
| C369633            |                          | <20      | <0.01    | <10      | <10      | 4        | <10      | 33       |         |
| C369634            |                          | <20      | 0.24     | <10      | <10      | 53       | <10      | 72       |         |
| C369635            |                          | <20      | 0.31     | <10      | <10      | 94       | <10      | 41       |         |
| C369636            |                          | <20      | 0.18     | <10      | <10      | 44       | <10      | 56       |         |
| C369637            |                          | <20      | 0.01     | <10      | <10      | 1        | <10      | 24       |         |
| C369638            |                          | <20      | 0.30     | <10      | <10      | 150      | <10      | 59       |         |
| C369639            |                          | <20      | 0.09     | <10      | <10      | 133      | <10      | 49       |         |
| C369640            |                          | <20      | 0.10     | <10      | <10      | 121      | <10      | 40       |         |
| C369641            |                          | <20      | 0.21     | <10      | <10      | 115      | <10      | 43       |         |
| C369642            |                          | <20      | 0.22     | <10      | <10      | 42       | <10      | 23       |         |
| C369643            |                          | <20      | 0.16     | <10      | <10      | 61       | <10      | 222      |         |
| C369644            |                          | <20      | <0.01    | <10      | <10      | 2        | <10      | 28       |         |
| C369645            |                          | <20      | 0.18     | <10      | <10      | 71       | <10      | 221      |         |
| C369646            |                          | <20      | 0.01     | <10      | <10      | 31       | <10      | 154      |         |
| C369647            |                          | <20      | 0.02     | <10      | <10      | 14       | <10      | 35       |         |



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Project: OFF LAKE-404-2

**CERTIFICATE OF ANALYSIS TB08119995**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21          | Au-AA23   | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 |
|--------------------|-----------------------------------|-----------------|-----------|-----------|----------|-----------|----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|----------|
|                    |                                   | Recvd Wt.<br>kg | Au<br>ppm | Ag<br>ppm | Al<br>%  | As<br>ppm | B<br>ppm | Ba<br>ppm | Be<br>ppm | Bi<br>ppm | Ca<br>%  | Cd<br>ppm | Co<br>ppm | Cr<br>ppm | Cu<br>ppm | Fe<br>%  |
|                    |                                   | 0.02            | 0.005     | 0.2       | 0.01     | 2         | 10       | 10        | 0.5       | 2         | 0.01     | 0.5       | 1         | 1         | 1         | 0.01     |
| C369648            |                                   | 0.69            | 0.076     | 13.5      | 0.10     | <2        | <10      | <10       | <0.5      | 31        | 0.37     | <0.5      | 1         | 16        | 6         | 0.82     |
| C369649            |                                   | 1.01            | 0.005     | 0.4       | 2.08     | <2        | <10      | <10       | <0.5      | <2        | 1.77     | <0.5      | 17        | 16        | 52        | 2.62     |
| C369650            |                                   | 0.68            | <0.005    | 0.2       | 1.54     | <2        | <10      | 20        | <0.5      | <2        | 0.95     | <0.5      | 16        | 23        | 53        | 2.38     |
| C369559            |                                   | 1.08            | <0.005    | <0.2      | 2.05     | <2        | <10      | <10       | 0.5       | <2        | 8.15     | <0.5      | 47        | 544       | 56        | 5.47     |
| C369560            |                                   | 1.30            | <0.005    | <0.2      | 2.17     | <2        | <10      | <10       | <0.5      | <2        | 1.20     | <0.5      | 19        | 59        | 89        | 3.33     |
| C369561            |                                   | 1.42            | <0.005    | 0.4       | 1.01     | <2        | <10      | <10       | <0.5      | <2        | 2.05     | <0.5      | 19        | 35        | 153       | 1.87     |
| C369562            |                                   | 1.49            | 0.006     | 0.2       | 2.45     | <2        | <10      | <10       | <0.5      | <2        | 1.77     | <0.5      | 16        | 47        | 112       | 2.40     |
| C369563            |                                   | 1.42            | <0.005    | 0.2       | 2.67     | <2        | <10      | <10       | <0.5      | <2        | 1.47     | <0.5      | 28        | 52        | 145       | 5.15     |
| C369564            |                                   | 1.02            | 0.042     | 1.0       | 2.36     | <2        | <10      | 10        | <0.5      | <2        | 1.05     | <0.5      | 31        | 74        | 60        | 4.51     |
| C369565            |                                   | 0.98            | 0.104     | 0.8       | 3.44     | <2        | <10      | <10       | <0.5      | 4         | 5.66     | <0.5      | 44        | 129       | 33        | 6.48     |
| C369566            |                                   | 0.97            | 0.057     | 0.3       | 0.88     | <2        | <10      | <10       | <0.5      | <2        | 5.34     | <0.5      | 22        | 33        | 15        | 4.19     |
| C369567            |                                   | 1.16            | 0.029     | 0.6       | 2.35     | <2        | <10      | 30        | <0.5      | <2        | 6.00     | <0.5      | 47        | 132       | 108       | 7.20     |
| C369568            |                                   | 0.92            | 0.031     | 0.4       | 2.04     | <2        | <10      | 30        | <0.5      | <2        | 7.21     | <0.5      | 43        | 85        | 118       | 6.13     |
| C369569            |                                   | 1.27            | <0.005    | 0.3       | 1.30     | <2        | <10      | <10       | <0.5      | <2        | 1.19     | <0.5      | 11        | 22        | 127       | 2.05     |
| C369570            |                                   | 1.30            | <0.005    | 0.2       | 1.82     | <2        | <10      | <10       | <0.5      | <2        | 1.01     | <0.5      | 19        | 52        | 110       | 2.85     |
| C369571            |                                   | 1.36            | <0.005    | 0.3       | 1.98     | <2        | <10      | <10       | <0.5      | <2        | 1.11     | <0.5      | 28        | 69        | 151       | 3.76     |
| C369572            |                                   | 0.85            | <0.005    | 0.3       | 2.49     | <2        | <10      | <10       | <0.5      | <2        | 1.39     | <0.5      | 22        | 49        | 128       | 3.37     |
| C369573            |                                   | 0.99            | 0.009     | 0.2       | 1.87     | <2        | <10      | <10       | <0.5      | <2        | 1.52     | <0.5      | 20        | 51        | 134       | 2.70     |
| C369574            |                                   | 1.04            | <0.005    | 0.3       | 1.24     | <2        | <10      | <10       | <0.5      | <2        | 1.11     | <0.5      | 22        | 41        | 131       | 2.17     |
| C369575            |                                   | 1.40            | <0.005    | <0.2      | 1.57     | <2        | <10      | <10       | <0.5      | <2        | 1.39     | <0.5      | 16        | 52        | 99        | 2.46     |
| C369576            |                                   | 1.08            | <0.005    | <0.2      | 1.20     | <2        | <10      | <10       | <0.5      | <2        | 1.18     | <0.5      | 18        | 43        | 136       | 2.32     |
| C369577            |                                   | 1.07            | 0.008     | 0.4       | 2.46     | 3         | <10      | 30        | <0.5      | <2        | 1.20     | <0.5      | 39        | 93        | 124       | 5.32     |
| C369578            |                                   | 1.15            | <0.005    | 0.6       | 1.06     | 3         | <10      | 10        | <0.5      | <2        | 0.95     | <0.5      | 41        | 52        | 241       | 4.05     |
| C369579            |                                   | 1.49            | <0.005    | 0.2       | 0.18     | 2         | <10      | <10       | <0.5      | 2         | 0.08     | <0.5      | 2         | 32        | 11        | 0.59     |
| C369580            |                                   | 1.32            | 0.017     | 0.7       | 1.13     | <2        | <10      | 20        | <0.5      | 3         | 0.51     | 9.2       | 113       | 50        | 1100      | 5.79     |
| C369581            |                                   | 1.31            | 0.014     | 1.0       | 1.02     | <2        | <10      | 20        | <0.5      | 4         | 0.31     | 35.4      | 223       | 52        | 1520      | 13.70    |
| C369582            |                                   | 1.52            | <0.005    | 0.5       | 2.49     | <2        | <10      | 20        | <0.5      | <2        | 1.03     | 0.5       | 40        | 76        | 318       | 5.58     |
| C369583            |                                   | 1.28            | <0.005    | <0.2      | 1.38     | <2        | <10      | 10        | <0.5      | <2        | 0.75     | <0.5      | 20        | 71        | 110       | 2.73     |
| C369584            |                                   | 1.37            | 2.15      | 4.2       | 0.23     | <2        | <10      | 20        | <0.5      | 6         | 0.33     | <0.5      | 10        | 17        | 1670      | 3.25     |
| C369585            |                                   | 1.13            | 0.500     | 2.0       | 2.65     | <2        | <10      | 10        | <0.5      | 5         | 0.86     | 0.5       | 34        | 92        | 509       | 6.76     |
| C369586            |                                   | 1.47            | 0.032     | <0.2      | 1.74     | <2        | <10      | 10        | <0.5      | <2        | 1.49     | <0.5      | 21        | 14        | 93        | 4.83     |
| C369587            |                                   | 1.08            | 0.025     | 0.4       | 0.11     | 4         | <10      | 40        | <0.5      | 4         | 0.48     | <0.5      | 8         | 23        | 12        | 2.76     |
| C369588            |                                   | 0.94            | <0.005    | <0.2      | 0.75     | <2        | <10      | 70        | <0.5      | 2         | 0.80     | <0.5      | 6         | 14        | 16        | 1.41     |
| C369589            |                                   | 1.23            | <0.005    | <0.2      | 1.88     | <2        | <10      | 10        | <0.5      | 2         | 1.11     | <0.5      | 18        | 26        | 67        | 2.59     |
| C369590            |                                   | 0.96            | <0.005    | <0.2      | 0.74     | <2        | <10      | 80        | <0.5      | 2         | 0.54     | <0.5      | 5         | 18        | 17        | 1.24     |
| C369591            |                                   | 0.95            | <0.005    | 0.4       | 2.06     | <2        | <10      | 20        | <0.5      | <2        | 0.70     | <0.5      | 24        | 3         | 89        | 7.39     |
| C369592            |                                   | 1.02            | <0.005    | <0.2      | 4.00     | 2         | 10       | 10        | <0.5      | 2         | 2.59     | <0.5      | 24        | 10        | 128       | 4.97     |
| C369593            |                                   | 1.00            | <0.005    | <0.2      | 2.36     | <2        | <10      | 10        | <0.5      | <2        | 1.38     | <0.5      | 23        | 3         | 51        | 5.81     |
| C369594            |                                   | 1.10            | <0.005    | <0.2      | 0.93     | <2        | <10      | 130       | <0.5      | <2        | 0.39     | <0.5      | 6         | 17        | 7         | 1.58     |
| C369595            |                                   | 1.17            | <0.005    | 0.2       | 2.68     | <2        | <10      | 10        | <0.5      | 2         | 1.26     | <0.5      | 28        | 9         | 142       | 5.88     |



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 VANCOUVER BC V6J 1V4

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 Account: RRR

Project: OFF LAKE-404-2

**CERTIFICATE OF ANALYSIS TB08119995**

| Sample Description | Method                  | ME-ICP41        | ME-ICP41       | ME-ICP41       | ME-ICP41        | ME-ICP41        | ME-ICP41       | ME-ICP41       | ME-ICP41        | ME-ICP41       | ME-ICP41       | ME-ICP41       | ME-ICP41       | ME-ICP41       | ME-ICP41       |                |
|--------------------|-------------------------|-----------------|----------------|----------------|-----------------|-----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                    | Analyte<br>Units<br>LOR | Ga<br>ppm<br>10 | Hg<br>ppm<br>1 | K<br>%<br>0.01 | La<br>ppm<br>10 | Mg<br>%<br>0.01 | Mn<br>ppm<br>5 | Mo<br>ppm<br>1 | Na<br>%<br>0.01 | Ni<br>ppm<br>1 | P<br>ppm<br>10 | Pb<br>ppm<br>2 | S<br>%<br>0.01 | Sb<br>ppm<br>2 | Sc<br>ppm<br>1 | Sr<br>ppm<br>1 |
| C369648            |                         | <10             | <1             | 0.03           | <10             | 0.02            | 74             | 1              | 0.05            | 2              | 120            | 168            | 0.10           | <2             | <1             | 40             |
| C369649            |                         | <10             | <1             | 0.04           | <10             | 1.34            | 494            | <1             | 0.05            | 23             | 310            | 3              | 0.01           | 2              | 5              | 23             |
| C369650            |                         | <10             | <1             | 0.07           | <10             | 1.10            | 366            | <1             | 0.06            | 26             | 220            | 3              | 0.02           | <2             | 4              | 17             |
| C369559            |                         | 10              | <1             | <0.01          | 10              | 6.48            | 1425           | <1             | 0.02            | 198            | 340            | 3              | <0.01          | <2             | 22             | 273            |
| C369560            |                         | <10             | <1             | 0.03           | <10             | 1.48            | 497            | <1             | 0.11            | 56             | 230            | 2              | 0.02           | 2              | 4              | 14             |
| C369561            |                         | <10             | <1             | 0.01           | <10             | 0.26            | 298            | 1              | 0.03            | 63             | 210            | 2              | 0.08           | 3              | 3              | 40             |
| C369562            |                         | <10             | <1             | 0.03           | <10             | 1.00            | 386            | <1             | 0.26            | 36             | 200            | 2              | 0.07           | <2             | 6              | 22             |
| C369563            |                         | 10              | <1             | 0.03           | <10             | 1.90            | 675            | <1             | 0.11            | 42             | 350            | 4              | 0.12           | <2             | 8              | 14             |
| C369564            |                         | 10              | <1             | 0.17           | <10             | 1.50            | 860            | 8              | 0.03            | 92             | 50             | 5              | 0.27           | 2              | 8              | 18             |
| C369565            |                         | 10              | <1             | 0.13           | <10             | 3.18            | 1340           | 33             | 0.03            | 120            | 60             | 6              | 0.91           | <2             | 15             | 102            |
| C369566            |                         | <10             | <1             | 0.16           | <10             | 1.98            | 959            | 6              | 0.05            | 70             | 30             | 5              | 0.27           | <2             | 6              | 105            |
| C369567            |                         | 10              | <1             | 0.13           | <10             | 3.38            | 1395           | 3              | 0.05            | 113            | 130            | 6              | 0.84           | <2             | 12             | 135            |
| C369568            |                         | <10             | <1             | 0.17           | <10             | 3.37            | 1310           | 1              | 0.05            | 128            | 90             | 6              | 0.75           | <2             | 8              | 157            |
| C369569            |                         | <10             | <1             | 0.03           | <10             | 0.51            | 230            | <1             | 0.02            | 8              | 60             | 2              | 0.04           | <2             | 1              | 25             |
| C369570            |                         | <10             | <1             | 0.02           | <10             | 0.98            | 389            | <1             | 0.14            | 57             | 190            | 2              | 0.10           | <2             | 4              | 9              |
| C369571            |                         | <10             | <1             | 0.05           | <10             | 1.25            | 507            | <1             | 0.15            | 81             | 250            | <2             | 0.27           | <2             | 6              | 17             |
| C369572            |                         | 10              | <1             | 0.03           | <10             | 1.50            | 378            | <1             | 0.19            | 68             | 270            | 2              | 0.06           | <2             | 4              | 16             |
| C369573            |                         | <10             | <1             | 0.03           | <10             | 0.88            | 340            | <1             | 0.23            | 67             | 280            | 3              | 0.24           | <2             | 7              | 20             |
| C369574            |                         | <10             | <1             | 0.01           | <10             | 0.58            | 245            | <1             | 0.05            | 71             | 210            | 2              | 0.18           | <2             | 3              | 16             |
| C369575            |                         | <10             | <1             | 0.03           | <10             | 0.82            | 363            | <1             | 0.15            | 53             | 240            | 2              | 0.08           | <2             | 5              | 20             |
| C369576            |                         | <10             | <1             | 0.02           | <10             | 0.73            | 292            | <1             | 0.13            | 59             | 270            | 2              | 0.16           | <2             | 5              | 9              |
| C369577            |                         | 10              | <1             | 0.02           | <10             | 1.86            | 667            | <1             | 0.04            | 95             | 280            | 2              | 1.31           | <2             | 4              | 22             |
| C369578            |                         | <10             | <1             | 0.04           | <10             | 0.65            | 363            | <1             | 0.09            | 103            | 240            | 4              | 1.37           | <2             | 5              | 8              |
| C369579            |                         | <10             | <1             | <0.01          | <10             | 0.14            | 92             | <1             | <0.01           | 6              | 30             | 2              | 0.02           | <2             | 1              | 1              |
| C369580            |                         | 10              | <1             | 0.05           | <10             | 0.81            | 290            | 2              | 0.05            | 168            | 340            | 5              | 3.55           | <2             | 5              | 4              |
| C369581            |                         | <10             | <1             | 0.05           | 10              | 0.73            | 653            | 2              | 0.03            | 283            | 270            | 7              | 8.46           | 7              | 5              | 3              |
| C369582            |                         | 10              | <1             | 0.05           | <10             | 1.70            | 664            | <1             | 0.06            | 64             | 330            | 3              | 0.79           | <2             | 7              | 9              |
| C369583            |                         | <10             | 1              | 0.02           | <10             | 1.03            | 419            | <1             | 0.08            | 44             | 310            | <2             | 0.13           | <2             | 4              | 7              |
| C369584            |                         | <10             | <1             | 0.05           | 10              | 0.12            | 543            | <1             | 0.07            | 39             | 230            | 7              | 0.71           | <2             | 3              | 18             |
| C369585            |                         | <10             | <1             | 0.03           | <10             | 2.44            | 885            | <1             | 0.03            | 83             | 340            | 3              | 1.00           | <2             | 5              | 29             |
| C369586            |                         | 10              | <1             | 0.04           | <10             | 0.98            | 578            | <1             | 0.15            | 9              | 900            | <2             | 0.20           | <2             | 10             | 9              |
| C369587            |                         | <10             | <1             | 0.01           | <10             | 0.09            | 317            | 1              | 0.06            | 11             | 60             | 3              | 1.27           | <2             | 2              | 10             |
| C369588            |                         | <10             | <1             | 0.19           | 10              | 0.35            | 289            | <1             | 0.07            | 9              | 380            | 2              | 0.02           | <2             | 1              | 57             |
| C369589            |                         | <10             | 1              | 0.04           | <10             | 1.42            | 425            | <1             | 0.07            | 44             | 320            | <2             | 0.09           | <2             | 4              | 15             |
| C369590            |                         | <10             | <1             | 0.23           | 10              | 0.45            | 225            | <1             | 0.08            | 8              | 350            | 2              | 0.05           | <2             | 1              | 83             |
| C369591            |                         | 10              | <1             | 0.06           | <10             | 1.46            | 374            | <1             | 0.09            | 1              | 830            | 3              | 0.96           | <2             | 10             | 10             |
| C369592            |                         | 10              | <1             | 0.10           | <10             | 0.91            | 358            | <1             | 0.37            | 26             | 440            | <2             | 0.13           | <2             | 3              | 50             |
| C369593            |                         | 10              | <1             | 0.05           | <10             | 1.24            | 586            | <1             | 0.16            | 12             | 1170           | <2             | 0.08           | <2             | 10             | 11             |
| C369594            |                         | <10             | <1             | 0.32           | 10              | 0.46            | 224            | <1             | 0.09            | 8              | 420            | 3              | 0.01           | <2             | 1              | 92             |
| C369595            |                         | 10              | <1             | 0.04           | 10              | 1.70            | 717            | <1             | 0.08            | 14             | 1370           | 2              | 0.12           | <2             | 6              | 23             |



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Project: OFF LAKE-404-2

**CERTIFICATE OF ANALYSIS TB08119995**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Zn-OG46 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|----------|----------|---------|
|                    |                                   | Th       | Ti       | Ti       | U        | V        | W        | Zn       | Zn      |
|                    |                                   | ppm      | %        | ppm      | ppm      | ppm      | ppm      | ppm      | %       |
|                    |                                   | 20       | 0.01     | 10       | 10       | 1        | 10       | 2        | 0.01    |
| C369648            |                                   | <20      | <0.01    | <10      | <10      | 2        | <10      | 5        |         |
| C369649            |                                   | <20      | 0.24     | <10      | <10      | 66       | <10      | 51       |         |
| C369650            |                                   | <20      | 0.14     | <10      | <10      | 55       | <10      | 28       |         |
| C369559            |                                   | <20      | 0.03     | <10      | <10      | 133      | <10      | 57       |         |
| C369560            |                                   | <20      | 0.24     | <10      | <10      | 61       | <10      | 43       |         |
| C369561            |                                   | <20      | 0.22     | <10      | <10      | 41       | <10      | 14       |         |
| C369562            |                                   | <20      | 0.17     | <10      | <10      | 53       | <10      | 25       |         |
| C369563            |                                   | <20      | 0.28     | <10      | <10      | 112      | <10      | 66       |         |
| C369564            |                                   | <20      | 0.01     | <10      | <10      | 42       | <10      | 49       |         |
| C369565            |                                   | <20      | 0.01     | <10      | <10      | 86       | <10      | 80       |         |
| C369566            |                                   | <20      | <0.01    | <10      | <10      | 17       | <10      | 57       |         |
| C369567            |                                   | <20      | <0.01    | <10      | <10      | 66       | <10      | 84       |         |
| C369568            |                                   | <20      | <0.01    | <10      | <10      | 40       | <10      | 73       |         |
| C369569            |                                   | <20      | 0.02     | <10      | <10      | 30       | <10      | 13       |         |
| C369570            |                                   | <20      | 0.18     | <10      | <10      | 53       | <10      | 32       |         |
| C369571            |                                   | <20      | 0.21     | <10      | <10      | 72       | <10      | 41       |         |
| C369572            |                                   | <20      | 0.14     | <10      | <10      | 71       | <10      | 32       |         |
| C369573            |                                   | <20      | 0.16     | <10      | <10      | 60       | <10      | 28       |         |
| C369574            |                                   | <20      | 0.22     | <10      | <10      | 39       | <10      | 19       |         |
| C369575            |                                   | <20      | 0.18     | <10      | <10      | 55       | <10      | 28       |         |
| C369576            |                                   | <20      | 0.15     | <10      | <10      | 47       | <10      | 26       |         |
| C369577            |                                   | <20      | 0.27     | <10      | <10      | 76       | <10      | 55       |         |
| C369578            |                                   | <20      | 0.20     | <10      | <10      | 53       | <10      | 41       |         |
| C369579            |                                   | <20      | 0.02     | <10      | <10      | 7        | <10      | 11       |         |
| C369580            |                                   | <20      | 0.19     | <10      | <10      | 61       | <10      | 3520     |         |
| C369581            |                                   | <20      | 0.10     | <10      | <10      | 46       | 10       | >10000   | 1.42    |
| C369582            |                                   | <20      | 0.24     | <10      | <10      | 95       | <10      | 311      |         |
| C369583            |                                   | <20      | 0.24     | <10      | <10      | 58       | <10      | 68       |         |
| C369584            |                                   | <20      | 0.01     | <10      | <10      | 5        | <10      | 56       |         |
| C369585            |                                   | <20      | 0.13     | <10      | <10      | 73       | <10      | 205      |         |
| C369586            |                                   | <20      | 0.32     | <10      | <10      | 92       | <10      | 57       |         |
| C369587            |                                   | <20      | <0.01    | <10      | <10      | 3        | <10      | 27       |         |
| C369588            |                                   | <20      | 0.03     | <10      | <10      | 9        | <10      | 47       |         |
| C369589            |                                   | <20      | 0.17     | <10      | <10      | 44       | <10      | 34       |         |
| C369590            |                                   | <20      | 0.07     | <10      | <10      | 18       | <10      | 47       |         |
| C369591            |                                   | <20      | 0.28     | <10      | <10      | 85       | <10      | 27       |         |
| C369592            |                                   | <20      | 0.27     | <10      | <10      | 186      | <10      | 69       |         |
| C369593            |                                   | <20      | 0.23     | <10      | <10      | 114      | <10      | 56       |         |
| C369594            |                                   | <20      | 0.08     | <10      | <10      | 23       | <10      | 46       |         |
| C369595            |                                   | <20      | 0.22     | <10      | <10      | 68       | <10      | 77       |         |



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Project: OFF LAKE-404-2

**CERTIFICATE OF ANALYSIS TB08119995**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21          | Au-AA23   | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 |
|--------------------|-----------------------------------|-----------------|-----------|-----------|----------|-----------|----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|----------|
|                    |                                   | Recvd Wt.<br>kg | Au<br>ppm | Ag<br>ppm | Al<br>%  | As<br>ppm | B<br>ppm | Ba<br>ppm | Be<br>ppm | Bi<br>ppm | Ca<br>%  | Cd<br>ppm | Co<br>ppm | Cr<br>ppm | Cu<br>ppm | Fe<br>%  |
|                    |                                   | 0.02            | 0.005     | 0.2       | 0.01     | 2         | 10       | 10        | 0.5       | 2         | 0.01     | 0.5       | 1         | 1         | 1         | 0.01     |
| C369596            |                                   | 1.38            | <0.005    | 0.3       | 2.12     | 2         | <10      | 10        | <0.5      | <2        | 1.59     | <0.5      | 23        | 9         | 221       | 4.84     |
| C369597            |                                   | 1.38            | <0.005    | <0.2      | 2.68     | 12        | <10      | 10        | <0.5      | <2        | 1.70     | <0.5      | 39        | 71        | 21        | 5.03     |
| C369598            |                                   | 1.16            | <0.005    | <0.2      | 2.98     | <2        | <10      | 10        | <0.5      | <2        | 5.18     | <0.5      | 31        | 31        | 79        | 10.05    |
| C369599            |                                   | 1.31            | <0.005    | 0.2       | 2.44     | <2        | <10      | 10        | <0.5      | <2        | 1.00     | <0.5      | 29        | 7         | 94        | 5.87     |
| C369600            |                                   | 1.22            | <0.005    | 0.4       | 1.92     | <2        | <10      | 10        | <0.5      | 2         | 1.16     | <0.5      | 23        | 3         | 135       | 5.22     |
| C369537            |                                   | 1.68            | <0.005    | <0.2      | 2.13     | <2        | <10      | 10        | <0.5      | <2        | 1.36     | <0.5      | 22        | 78        | 91        | 2.50     |
| C369538            |                                   | 1.66            | <0.005    | 0.3       | 2.81     | <2        | <10      | 10        | <0.5      | 3         | 1.81     | <0.5      | 30        | 86        | 166       | 4.82     |
| C369539            |                                   | 1.53            | <0.005    | <0.2      | 1.87     | <2        | <10      | <10       | <0.5      | 3         | 1.55     | <0.5      | 22        | 68        | 108       | 3.06     |
| C369540            |                                   | 1.65            | <0.005    | <0.2      | 1.82     | <2        | <10      | 40        | <0.5      | 2         | 0.99     | <0.5      | 24        | 75        | 68        | 2.44     |
| C369541            |                                   | 1.21            | <0.005    | <0.2      | 2.13     | <2        | <10      | 20        | <0.5      | <2        | 1.12     | <0.5      | 22        | 120       | 75        | 3.09     |
| C369542            |                                   | 1.24            | 0.031     | 0.7       | 4.11     | <2        | <10      | 20        | <0.5      | 2         | 0.79     | <0.5      | 47        | 187       | 97        | 6.89     |
| C369543            |                                   | 1.72            | 0.020     | 0.2       | 2.69     | <2        | <10      | 10        | <0.5      | 2         | 5.70     | <0.5      | 37        | 136       | 49        | 5.81     |
| C369544            |                                   | 1.18            | <0.005    | <0.2      | 3.12     | 2         | <10      | 10        | <0.5      | 2         | 6.11     | <0.5      | 29        | 133       | 13        | 5.06     |
| C369545            |                                   | 0.57            | 0.033     | 0.5       | 2.94     | 2         | <10      | 20        | <0.5      | 2         | 2.64     | <0.5      | 48        | 138       | 91        | 6.78     |
| C369546            |                                   | 0.80            | 0.017     | 0.6       | 3.32     | <2        | <10      | 10        | <0.5      | 2         | 4.66     | <0.5      | 44        | 169       | 106       | 6.35     |
| C369547            |                                   | 1.44            | 0.016     | 0.4       | 3.14     | <2        | <10      | 10        | <0.5      | 2         | 5.55     | <0.5      | 36        | 139       | 44        | 6.04     |
| C369548            |                                   | 1.00            | 0.011     | 0.3       | 3.06     | <2        | <10      | 30        | <0.5      | 3         | 4.16     | <0.5      | 39        | 132       | 94        | 6.27     |
| C369549            |                                   | 1.29            | 0.014     | 0.4       | 4.30     | <2        | <10      | 10        | <0.5      | <2        | 5.14     | <0.5      | 43        | 193       | 105       | 6.66     |
| C369550            |                                   | 1.15            | 0.009     | 0.2       | 3.90     | 4         | <10      | 10        | <0.5      | 2         | 5.15     | <0.5      | 37        | 159       | 87        | 5.50     |



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Project: OFF LAKE-404-2

## CERTIFICATE OF ANALYSIS TB08119995

| Sample Description | Method Analyte Units LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |        |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Ga ppm   | Hg ppm   | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm |
| C369596            |                          | 10       | <1       | 0.08     | <10      | 1.33     | 573      | <1       | 0.18     | 22       | 660      | 3        | 0.05     | <2       | 10       | 18     |
| C369597            |                          | 10       | 1        | 0.01     | <10      | 2.15     | 778      | <1       | 0.05     | 101      | 750      | <2       | 0.31     | <2       | 4        | 25     |
| C369598            |                          | 20       | <1       | 0.01     | <10      | 1.35     | 1570     | <1       | 0.04     | 24       | 730      | <2       | 0.11     | <2       | 31       | 75     |
| C369599            |                          | 10       | <1       | 0.02     | <10      | 1.34     | 753      | 1        | 0.07     | 12       | 500      | <2       | 0.09     | <2       | 5        | 14     |
| C369600            |                          | 10       | <1       | 0.05     | <10      | 0.97     | 628      | <1       | 0.14     | 11       | 800      | <2       | 0.12     | 2        | 7        | 15     |
| C369537            |                          | <10      | <1       | 0.02     | <10      | 1.17     | 402      | <1       | 0.12     | 74       | 110      | <2       | 0.09     | 2        | 3        | 20     |
| C369538            |                          | 10       | <1       | 0.05     | <10      | 2.03     | 631      | <1       | 0.10     | 73       | 390      | <2       | 0.27     | <2       | 6        | 14     |
| C369539            |                          | <10      | <1       | 0.02     | <10      | 1.25     | 477      | <1       | 0.15     | 65       | 240      | <2       | 0.16     | <2       | 6        | 9      |
| C369540            |                          | <10      | 1        | 0.11     | <10      | 1.55     | 437      | <1       | 0.05     | 63       | 110      | <2       | 0.35     | <2       | 4        | 11     |
| C369541            |                          | 10       | <1       | 0.03     | 20       | 2.00     | 515      | <1       | 0.11     | 87       | 830      | <2       | 0.04     | <2       | 5        | 38     |
| C369542            |                          | 10       | <1       | 0.13     | <10      | 3.25     | 1190     | 2        | 0.04     | 149      | 130      | 5        | 0.24     | <2       | 14       | 23     |
| C369543            |                          | <10      | 1        | 0.13     | <10      | 3.40     | 1105     | 1        | 0.06     | 135      | 130      | 2        | 0.25     | <2       | 11       | 104    |
| C369544            |                          | 10       | <1       | 0.12     | <10      | 3.28     | 897      | 1        | 0.07     | 101      | 100      | <2       | 0.05     | <2       | 11       | 101    |
| C369545            |                          | 10       | <1       | 0.13     | <10      | 2.37     | 1310     | 7        | 0.04     | 130      | 160      | 4        | 0.55     | <2       | 12       | 37     |
| C369546            |                          | 10       | 1        | 0.09     | <10      | 3.18     | 1165     | <1       | 0.07     | 136      | 150      | 3        | 0.28     | <2       | 14       | 81     |
| C369547            |                          | 10       | <1       | 0.17     | <10      | 3.50     | 1315     | 28       | 0.03     | 156      | 120      | 4        | 0.31     | <2       | 10       | 123    |
| C369548            |                          | 10       | 1        | 0.16     | <10      | 2.95     | 1250     | 12       | 0.03     | 149      | 210      | 4        | 0.37     | <2       | 11       | 85     |
| C369549            |                          | 10       | <1       | 0.12     | <10      | 3.57     | 1320     | 2        | 0.04     | 128      | 150      | 4        | 0.33     | 2        | 19       | 102    |
| C369550            |                          | 10       | <1       | 0.11     | <10      | 2.99     | 1015     | <1       | 0.06     | 128      | 150      | 2        | 0.13     | <2       | 15       | 72     |



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**CERTIFICATE OF ANALYSIS TB08119995**

| Sample Description | Method Analyte Units LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Zn-OG46 |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|---------|
|                    |                          | Th ppm   | Ti %     | Ti ppm   | U ppm    | V ppm    | W ppm    | Zn ppm   | Zn %    |
|                    |                          | 20       | 0.01     | 10       | 10       | 1        | 10       | 2        | 0.01    |
| C369596            |                          | <20      | 0.33     | <10      | <10      | 117      | <10      | 36       |         |
| C369597            |                          | <20      | 0.22     | <10      | <10      | 99       | <10      | 82       |         |
| C369598            |                          | <20      | 0.35     | <10      | <10      | 334      | <10      | 142      |         |
| C369599            |                          | <20      | 0.34     | <10      | <10      | 148      | <10      | 44       |         |
| C369600            |                          | <20      | 0.31     | <10      | <10      | 129      | <10      | 99       |         |
| C369537            |                          | <20      | 0.16     | <10      | <10      | 44       | <10      | 30       |         |
| C369538            |                          | <20      | 0.22     | <10      | <10      | 107      | <10      | 56       |         |
| C369539            |                          | <20      | 0.23     | <10      | <10      | 69       | <10      | 38       |         |
| C369540            |                          | <20      | 0.16     | <10      | <10      | 44       | <10      | 45       |         |
| C369541            |                          | <20      | 0.15     | <10      | <10      | 78       | <10      | 36       |         |
| C369542            |                          | <20      | 0.01     | <10      | <10      | 97       | <10      | 92       |         |
| C369543            |                          | <20      | <0.01    | <10      | <10      | 65       | <10      | 81       |         |
| C369544            |                          | <20      | <0.01    | <10      | <10      | 70       | <10      | 73       |         |
| C369545            |                          | <20      | <0.01    | <10      | <10      | 71       | <10      | 83       |         |
| C369546            |                          | <20      | <0.01    | <10      | <10      | 89       | <10      | 80       |         |
| C369547            |                          | <20      | <0.01    | <10      | <10      | 59       | <10      | 89       |         |
| C369548            |                          | <20      | <0.01    | <10      | <10      | 65       | <10      | 91       |         |
| C369549            |                          | <20      | 0.01     | <10      | <10      | 111      | <10      | 93       |         |
| C369550            |                          | <20      | 0.01     | <10      | <10      | 105      | <10      | 99       |         |



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## CERTIFICATE TB08119996

Project: OFF LAKE-404-2

P.O. No.:

This report is for 84 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 25-AUG-2008.

The following have access to data associated with this certificate:

CJ BAKER  
NELSON BAKER

NELSON BAKER  
ALLEN RAOUL

CJ BAKER

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION                    |
|----------|--------------------------------|
| WEI-21   | Received Sample Weight         |
| LOG-22   | Sample login - Rcd w/o BarCode |
| CRU-QC   | Crushing QC Test               |
| PUL-QC   | Pulverizing QC Test            |
| CRU-31   | Fine crushing - 70% <2mm       |
| SPL-21   | Split sample - riffle splitter |
| PUL-31   | Pulverize split to 85% <75 um  |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION                   | INSTRUMENT |
|----------|-------------------------------|------------|
| ME-ICP41 | 35 Element Aqua Regia ICP-AES | ICP-AES    |
| Au-AA23  | Au 30g FA-AA finish           | AAS        |
| Au-GRA21 | Au 30g FA-GRAV finish         | WST-SIM    |

To: RAINY RIVER RESOURCES LTD.  
ATTN: ALLEN RAOUL  
P.O.BOX 5, 48 MARION STREET  
ECHO LAKES ESTATE  
EMO ON P0W 1E0

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.





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**CERTIFICATE OF ANALYSIS TB08119996**

| Sample Description | Method Analyte Units LOR | WEI-21       | Au-AA23 | Au-GRA21 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |        |
|--------------------|--------------------------|--------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Recvd Wt. kg | Au ppm  | Au ppm   | Ag ppm   | Al %     | As ppm   | B ppm    | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm |
|                    |                          | 0.02         | 0.005   | 0.05     | 0.2      | 0.01     | 2        | 10       | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1      |
| C369651            |                          | 1.16         | <0.005  |          | 0.3      | 1.84     | <2       | <10      | 40       | <0.5     | 2        | 5.73     | <0.5     | 38       | 81       | 76     |
| C369652            |                          | 1.10         | 0.010   |          | 0.3      | 2.53     | <2       | <10      | 40       | <0.5     | <2       | 3.09     | <0.5     | 39       | 110      | 90     |
| C369653            |                          | 1.15         | <0.005  |          | 0.3      | 1.59     | 2        | <10      | 10       | <0.5     | <2       | 0.89     | <0.5     | 20       | 52       | 110    |
| C369654            |                          | 1.22         | <0.005  |          | <0.2     | 1.29     | <2       | <10      | 10       | <0.5     | 2        | 0.74     | <0.5     | 15       | 39       | 98     |
| C369655            |                          | 1.24         | <0.005  |          | 0.2      | 1.77     | <2       | <10      | 10       | <0.5     | <2       | 1.35     | <0.5     | 20       | 72       | 95     |
| C369656            |                          | 1.06         | 0.005   |          | <0.2     | 1.56     | 2        | <10      | <10      | <0.5     | 2        | 3.08     | <0.5     | 19       | 55       | 79     |
| C369657            |                          | 1.21         | <0.005  |          | <0.2     | 2.44     | 2        | <10      | 10       | <0.5     | <2       | 0.98     | <0.5     | 26       | 80       | 164    |
| C369658            |                          | 1.33         | <0.005  |          | <0.2     | 1.07     | <2       | <10      | 10       | <0.5     | <2       | 1.38     | <0.5     | 18       | 46       | 151    |
| C369659            |                          | 0.92         | <0.005  |          | <0.2     | 1.27     | <2       | <10      | 10       | <0.5     | 2        | 1.56     | <0.5     | 10       | 57       | 49     |
| C369660            |                          | 0.99         | <0.005  |          | <0.2     | 0.62     | 2        | <10      | <10      | <0.5     | 2        | 2.46     | <0.5     | 9        | 16       | 64     |
| C369661            |                          | 0.65         | <0.005  |          | <0.2     | 1.70     | <2       | <10      | 10       | <0.5     | 3        | 1.30     | <0.5     | 22       | 63       | 115    |
| C369662            |                          | 0.77         | 0.010   |          | <0.2     | 0.77     | <2       | <10      | 50       | <0.5     | <2       | 2.23     | <0.5     | 6        | 15       | 24     |
| C369663            |                          | 1.05         | <0.005  |          | 0.3      | 3.00     | <2       | <10      | 20       | <0.5     | 2        | 0.79     | <0.5     | 38       | 133      | 127    |
| C369664            |                          | 1.35         | <0.005  |          | <0.2     | 1.50     | <2       | <10      | 10       | <0.5     | 2        | 1.12     | <0.5     | 23       | 56       | 52     |
| C369665            |                          | 0.84         | <0.005  |          | 0.3      | 2.49     | 2        | <10      | 10       | <0.5     | 3        | 1.21     | <0.5     | 29       | 74       | 145    |
| C369666            |                          | 1.38         | <0.005  |          | 0.2      | 1.42     | <2       | <10      | 40       | <0.5     | 3        | 0.90     | <0.5     | 23       | 83       | 72     |
| C369667            |                          | 1.12         | <0.005  |          | <0.2     | 2.48     | <2       | <10      | 10       | <0.5     | 2        | 0.59     | <0.5     | 28       | 118      | 7      |
| C369668            |                          | 1.50         | <0.005  |          | 0.3      | 2.24     | <2       | <10      | 10       | <0.5     | <2       | 1.30     | <0.5     | 27       | 2        | 42     |
| C369669            |                          | 1.07         | <0.005  |          | 0.2      | 2.02     | <2       | <10      | 10       | <0.5     | 2        | 1.11     | <0.5     | 23       | 5        | 129    |
| C369670            |                          | 1.11         | 0.013   |          | 0.6      | 2.94     | <2       | <10      | <10      | <0.5     | 2        | 0.72     | <0.5     | 68       | <1       | 776    |
| C369671            |                          | 1.60         | 0.026   |          | 1.1      | 2.30     | <2       | <10      | 120      | <0.5     | 3        | 1.61     | <0.5     | 25       | 231      | 675    |
| C369672            |                          | 0.95         | <0.005  |          | 0.3      | 2.63     | <2       | 10       | 10       | <0.5     | 2        | 2.00     | <0.5     | 29       | 7        | 26     |
| C369673            |                          | 1.26         | <0.005  |          | 0.9      | 2.23     | 12       | <10      | 10       | <0.5     | 2        | 0.99     | <0.5     | 34       | 23       | 467    |
| C369674            |                          | 1.06         | <0.005  |          | 0.3      | 1.61     | <2       | <10      | 10       | <0.5     | 3        | 1.08     | <0.5     | 13       | 1        | 13     |
| C369675            |                          | 1.10         | 0.006   |          | 0.2      | 4.07     | <2       | <10      | 10       | <0.5     | 2        | 0.59     | <0.5     | 59       | 162      | 143    |
| C369676            |                          | 1.18         | <0.005  |          | 0.3      | 2.10     | <2       | <10      | 20       | <0.5     | 2        | 1.22     | <0.5     | 24       | 1        | 13     |
| C369677            |                          | 1.15         | <0.005  |          | <0.2     | 1.54     | <2       | <10      | <10      | <0.5     | 2        | 0.24     | <0.5     | 11       | 83       | 57     |
| C369678            |                          | 1.09         | 1.285   |          | 1.9      | 0.23     | <2       | <10      | 20       | <0.5     | 4        | 1.00     | <0.5     | 7        | 6        | 505    |
| C369679            |                          | 1.21         | >10.0   | 10.20    | 60.8     | 0.14     | <2       | <10      | 10       | <0.5     | 62       | 0.02     | <0.5     | 4        | 8        | 134    |
| C369680            |                          | 1.26         | 0.091   |          | 0.6      | 0.37     | <2       | <10      | 130      | <0.5     | 2        | 1.97     | <0.5     | 7        | 5        | 53     |
| C369681            |                          | 1.67         | 0.049   |          | 0.5      | 0.97     | 4        | <10      | 20       | <0.5     | 2        | 2.48     | <0.5     | 16       | 36       | 85     |
| C369682            |                          | 1.29         | <0.005  |          | 0.3      | 1.56     | <2       | <10      | 10       | <0.5     | 3        | 1.19     | <0.5     | 20       | 2        | 163    |
| C369683            |                          | 1.17         | 0.006   |          | 0.3      | 3.87     | <2       | <10      | 20       | <0.5     | <2       | 4.06     | <0.5     | 36       | 3        | 81     |
| C369684            |                          | 1.96         | <0.005  |          | <0.2     | 1.78     | <2       | <10      | 40       | <0.5     | <2       | 1.28     | <0.5     | 16       | 4        | 48     |
| C369685            |                          | 1.29         | <0.005  |          | <0.2     | 1.48     | <2       | <10      | 30       | <0.5     | 2        | 1.39     | <0.5     | 15       | 2        | 59     |
| C369686            |                          | 1.21         | 0.019   |          | 0.9      | 0.17     | 2        | <10      | 20       | <0.5     | 3        | 0.08     | <0.5     | 4        | 5        | 13     |
| C369687            |                          | 1.46         | 0.021   |          | 0.4      | 0.27     | 2        | <10      | 70       | <0.5     | 3        | 1.33     | <0.5     | 7        | 4        | 17     |
| C369688            |                          | 1.26         | <0.005  |          | 0.2      | 3.45     | <2       | <10      | 10       | <0.5     | <2       | 1.49     | <0.5     | 40       | 110      | 119    |
| C369689            |                          | 0.90         | <0.005  |          | 0.4      | 2.31     | <2       | <10      | 10       | <0.5     | <2       | 1.49     | <0.5     | 33       | 1        | 59     |
| C369690            |                          | 0.91         | 0.009   |          | 1.1      | 0.88     | <2       | <10      | 10       | <0.5     | 4        | 1.58     | <0.5     | 12       | 6        | 7      |



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**CERTIFICATE OF ANALYSIS TB08119996**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |     |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|
|                    |                                   | Fe       | Ga       | Hg       | K        | La       | Mg       | Mn       | Mo       | Na       | Ni       | P        | Pb       | S        | Sb       | Sc  |
|                    |                                   | %        | ppm      | ppm      | %        | ppm      | %        | ppm      | ppm      | %        | ppm      | ppm      | ppm      | %        | ppm      | ppm |
|                    |                                   | 0.01     | 10       | 1        | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 2        | 1   |
| C369651            |                                   | 5.29     | <10      | <1       | 0.14     | <10      | 2.76     | 1090     | 1        | 0.03     | 99       | 150      | 16       | 0.53     | <2       | 8   |
| C369652            |                                   | 5.54     | 10       | <1       | 0.12     | <10      | 2.38     | 1015     | 3        | 0.06     | 103      | 160      | 13       | 0.37     | 3        | 9   |
| C369653            |                                   | 2.64     | <10      | <1       | 0.01     | <10      | 1.04     | 382      | <1       | 0.04     | 58       | 220      | 10       | 0.07     | <2       | 3   |
| C369654            |                                   | 2.23     | <10      | <1       | 0.02     | <10      | 0.86     | 319      | <1       | 0.10     | 44       | 190      | <2       | 0.08     | <2       | 3   |
| C369655            |                                   | 2.10     | <10      | <1       | 0.01     | <10      | 1.09     | 349      | <1       | 0.02     | 70       | 130      | 2        | 0.06     | <2       | 2   |
| C369656            |                                   | 1.35     | <10      | <1       | <0.01    | <10      | 0.56     | 279      | <1       | 0.01     | 69       | 140      | <2       | 0.06     | 2        | 3   |
| C369657            |                                   | 3.88     | <10      | <1       | 0.02     | <10      | 1.67     | 555      | <1       | 0.12     | 65       | 280      | <2       | 0.07     | <2       | 5   |
| C369658            |                                   | 1.84     | <10      | <1       | <0.01    | <10      | 0.44     | 251      | <1       | 0.01     | 62       | 180      | <2       | 0.22     | <2       | 3   |
| C369659            |                                   | 1.61     | <10      | <1       | 0.08     | <10      | 0.44     | 338      | <1       | 0.13     | 29       | 270      | 2        | 0.02     | <2       | 6   |
| C369660            |                                   | 1.15     | <10      | <1       | <0.01    | <10      | 0.24     | 232      | <1       | 0.01     | 19       | 110      | 2        | 0.05     | <2       | 4   |
| C369661            |                                   | 2.94     | <10      | 1        | 0.03     | <10      | 0.93     | 467      | <1       | 0.16     | 68       | 290      | <2       | 0.14     | <2       | 7   |
| C369662            |                                   | 1.53     | <10      | <1       | 0.11     | 20       | 0.38     | 259      | <1       | 0.06     | 12       | 380      | 6        | 0.04     | <2       | 1   |
| C369663            |                                   | 5.54     | 10       | <1       | 0.03     | <10      | 2.17     | 873      | <1       | 0.06     | 100      | 210      | <2       | 0.14     | <2       | 5   |
| C369664            |                                   | 2.76     | <10      | <1       | 0.03     | <10      | 0.87     | 395      | <1       | 0.06     | 66       | 270      | <2       | 0.19     | <2       | 5   |
| C369665            |                                   | 4.00     | <10      | <1       | 0.03     | <10      | 1.54     | 574      | <1       | 0.11     | 78       | 290      | <2       | 0.12     | <2       | 5   |
| C369666            |                                   | 3.35     | <10      | <1       | 0.26     | <10      | 1.00     | 423      | <1       | 0.05     | 58       | 330      | 2        | 0.74     | <2       | 4   |
| C369667            |                                   | 2.91     | <10      | <1       | 0.05     | <10      | 2.67     | 415      | <1       | 0.05     | 203      | 160      | <2       | 0.02     | <2       | 2   |
| C369668            |                                   | 6.42     | 10       | <1       | 0.04     | <10      | 1.01     | 765      | <1       | 0.09     | 3        | 840      | <2       | 0.10     | <2       | 7   |
| C369669            |                                   | 4.72     | 10       | <1       | 0.02     | <10      | 1.05     | 610      | <1       | 0.07     | 11       | 540      | <2       | 0.13     | <2       | 5   |
| C369670            |                                   | 8.61     | 10       | <1       | 0.04     | <10      | 1.87     | 704      | <1       | 0.06     | 22       | 360      | <2       | 1.47     | <2       | 3   |
| C369671            |                                   | 6.35     | 10       | <1       | 0.24     | <10      | 1.28     | 1110     | <1       | 0.17     | 67       | 210      | 2        | 0.79     | <2       | 11  |
| C369672            |                                   | 6.80     | 10       | <1       | 0.07     | <10      | 0.75     | 444      | <1       | 0.10     | 16       | 1000     | <2       | 0.18     | <2       | 4   |
| C369673            |                                   | 6.11     | 10       | <1       | 0.02     | <10      | 1.16     | 591      | <1       | 0.06     | 22       | 770      | <2       | 0.85     | <2       | 5   |
| C369674            |                                   | 4.93     | 10       | <1       | 0.06     | <10      | 0.51     | 660      | <1       | 0.14     | <1       | 1020     | <2       | 0.10     | 2        | 8   |
| C369675            |                                   | 8.25     | 10       | 1        | 0.01     | <10      | 2.69     | 1235     | <1       | 0.04     | 97       | 190      | <2       | 0.22     | <2       | 4   |
| C369676            |                                   | 6.91     | 10       | <1       | 0.09     | <10      | 0.94     | 887      | <1       | 0.09     | <1       | 830      | <2       | 0.13     | <2       | 8   |
| C369677            |                                   | 3.10     | <10      | <1       | 0.02     | <10      | 1.09     | 423      | <1       | <0.01    | 20       | 210      | <2       | 0.05     | <2       | 2   |
| C369678            |                                   | 1.83     | <10      | <1       | 0.07     | 10       | 0.29     | 483      | <1       | 0.08     | 18       | 310      | 3        | 0.39     | <2       | 2   |
| C369679            |                                   | 2.92     | <10      | <1       | 0.11     | 10       | 0.03     | 43       | <1       | 0.05     | 11       | 60       | 117      | 1.49     | <2       | <1  |
| C369680            |                                   | 1.41     | <10      | <1       | 0.13     | 10       | 0.22     | 362      | <1       | 0.07     | 11       | 430      | 2        | 0.65     | <2       | 1   |
| C369681            |                                   | 1.31     | <10      | <1       | 0.01     | <10      | 0.26     | 229      | <1       | 0.03     | 58       | 310      | 3        | 0.13     | 2        | 4   |
| C369682            |                                   | 4.20     | 10       | <1       | 0.03     | <10      | 0.86     | 515      | <1       | 0.13     | 8        | 590      | <2       | 0.12     | <2       | 8   |
| C369683            |                                   | 9.23     | 20       | <1       | 0.04     | <10      | 2.66     | 1115     | <1       | 0.03     | 17       | 1130     | <2       | 0.02     | <2       | 31  |
| C369684            |                                   | 5.10     | 10       | <1       | 0.11     | 10       | 0.70     | 573      | <1       | 0.14     | <1       | 1400     | <2       | 0.12     | <2       | 9   |
| C369685            |                                   | 4.36     | 10       | <1       | 0.13     | 10       | 0.56     | 480      | 3        | 0.16     | <1       | 1380     | 2        | 0.13     | <2       | 9   |
| C369686            |                                   | 1.07     | <10      | <1       | 0.04     | 10       | 0.01     | 165      | 1        | 0.09     | 4        | 180      | 11       | 0.44     | <2       | 1   |
| C369687            |                                   | 1.53     | <10      | <1       | 0.13     | 10       | 0.14     | 304      | 1        | 0.06     | 5        | 430      | 5        | 0.89     | <2       | 1   |
| C369688            |                                   | 4.56     | 10       | <1       | 0.02     | <10      | 3.58     | 795      | <1       | 0.01     | 111      | 300      | <2       | 0.12     | <2       | 4   |
| C369689            |                                   | 6.34     | 10       | <1       | 0.06     | <10      | 1.41     | 693      | <1       | 0.08     | <1       | 920      | <2       | 0.23     | 2        | 9   |
| C369690            |                                   | 3.90     | <10      | <1       | 0.02     | <10      | 0.53     | 415      | <1       | 0.04     | 2        | 720      | 3        | 0.17     | <2       | 3   |



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 Account: RRR

Project: OFF LAKE-404-2

**CERTIFICATE OF ANALYSIS TB08119996**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |     |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|----------|----------|-----|
|                    |                                   | Sr       | Th       | Ti       | Ti       | U        | V        | W        | Zn  |
|                    |                                   | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | ppm |
|                    |                                   | 1        | 20       | 0.01     | 10       | 10       | 1        | 10       | 2   |
| C369651            |                                   | 65       | <20      | <0.01    | <10      | <10      | 49       | <10      | 91  |
| C369652            |                                   | 45       | <20      | 0.01     | <10      | <10      | 72       | <10      | 92  |
| C369653            |                                   | 13       | <20      | 0.19     | <10      | <10      | 48       | <10      | 61  |
| C369654            |                                   | 5        | <20      | 0.13     | <10      | <10      | 38       | <10      | 34  |
| C369655            |                                   | 13       | <20      | 0.12     | <10      | <10      | 38       | <10      | 35  |
| C369656            |                                   | 12       | <20      | 0.13     | <10      | <10      | 34       | <10      | 18  |
| C369657            |                                   | 6        | <20      | 0.16     | <10      | <10      | 71       | <10      | 55  |
| C369658            |                                   | 42       | <20      | 0.19     | <10      | <10      | 34       | <10      | 17  |
| C369659            |                                   | 18       | <20      | 0.20     | <10      | <10      | 50       | <10      | 26  |
| C369660            |                                   | 18       | <20      | 0.07     | <10      | <10      | 32       | <10      | 21  |
| C369661            |                                   | 12       | <20      | 0.21     | <10      | <10      | 73       | <10      | 35  |
| C369662            |                                   | 37       | <20      | 0.06     | <10      | <10      | 15       | <10      | 52  |
| C369663            |                                   | 9        | <20      | 0.29     | <10      | <10      | 132      | <10      | 82  |
| C369664            |                                   | 10       | <20      | 0.21     | <10      | <10      | 55       | <10      | 40  |
| C369665            |                                   | 13       | <20      | 0.26     | <10      | <10      | 71       | <10      | 55  |
| C369666            |                                   | 16       | <20      | 0.32     | <10      | <10      | 84       | <10      | 41  |
| C369667            |                                   | 9        | <20      | 0.10     | <10      | <10      | 34       | <10      | 41  |
| C369668            |                                   | 21       | <20      | 0.22     | <10      | <10      | 74       | <10      | 67  |
| C369669            |                                   | 18       | <20      | 0.35     | <10      | <10      | 129      | <10      | 60  |
| C369670            |                                   | 7        | <20      | 0.31     | <10      | <10      | 224      | <10      | 65  |
| C369671            |                                   | 14       | <20      | 0.18     | <10      | <10      | 83       | <10      | 59  |
| C369672            |                                   | 16       | <20      | 0.32     | <10      | <10      | 203      | <10      | 64  |
| C369673            |                                   | 15       | <20      | 0.38     | <10      | <10      | 145      | <10      | 44  |
| C369674            |                                   | 10       | <20      | 0.18     | <10      | <10      | 20       | <10      | 53  |
| C369675            |                                   | 5        | <20      | 0.20     | <10      | <10      | 104      | <10      | 146 |
| C369676            |                                   | 18       | <20      | 0.24     | <10      | <10      | 99       | <10      | 69  |
| C369677            |                                   | 4        | <20      | 0.18     | <10      | <10      | 56       | <10      | 72  |
| C369678            |                                   | 48       | <20      | 0.01     | <10      | <10      | 4        | <10      | 26  |
| C369679            |                                   | 9        | <20      | <0.01    | <10      | <10      | 3        | <10      | 47  |
| C369680            |                                   | 79       | <20      | <0.01    | <10      | <10      | 6        | <10      | 22  |
| C369681            |                                   | 18       | <20      | 0.27     | <10      | <10      | 46       | <10      | 20  |
| C369682            |                                   | 11       | <20      | 0.23     | <10      | <10      | 131      | <10      | 46  |
| C369683            |                                   | 93       | <20      | 0.05     | <10      | <10      | 274      | <10      | 107 |
| C369684            |                                   | 13       | <20      | 0.20     | <10      | <10      | 53       | <10      | 55  |
| C369685            |                                   | 11       | <20      | 0.18     | <10      | <10      | 51       | <10      | 45  |
| C369686            |                                   | 11       | <20      | <0.01    | <10      | <10      | 2        | <10      | 13  |
| C369687            |                                   | 77       | <20      | 0.01     | <10      | <10      | 4        | <10      | 18  |
| C369688            |                                   | 29       | <20      | 0.13     | <10      | <10      | 58       | <10      | 66  |
| C369689            |                                   | 16       | <20      | 0.28     | <10      | <10      | 115      | <10      | 69  |
| C369690            |                                   | 92       | <20      | 0.11     | <10      | <10      | 21       | <10      | 40  |



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Project: OFF LAKE-404-2

**CERTIFICATE OF ANALYSIS TB08119996**

| Sample Description | Method Analyte Units LOR | WEI-21       | Au-AA23 | Au-GR421 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |        |
|--------------------|--------------------------|--------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Recvd Wt. kg | Au ppm  | Au ppm   | Ag ppm   | Al %     | As ppm   | B ppm    | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm |
| C369691            |                          | 0.98         | 0.026   |          | 1.0      | 0.93     | <2       | <10      | 10       | <0.5     | 4        | 1.57     | <0.5     | 12       | 5        | 7      |
| C369692            |                          | 1.00         | <0.005  |          | 0.2      | 4.80     | <2       | <10      | 10       | <0.5     | 2        | 3.72     | <0.5     | 38       | 79       | 138    |
| C369693            |                          | 1.31         | 0.266   |          | 37.3     | 0.17     | <2       | <10      | 20       | <0.5     | 84       | 0.09     | <0.5     | 2        | 10       | 7      |
| C369694            |                          | 1.15         | 0.099   |          | 7.5      | 0.31     | <2       | <10      | 40       | <0.5     | 19       | 0.50     | <0.5     | 3        | 11       | 21     |
| C369695            |                          | 1.09         | 0.017   |          | 0.6      | 0.31     | <2       | <10      | 70       | <0.5     | 4        | 1.69     | <0.5     | 5        | 5        | 34     |
| C369696            |                          | 0.67         | 1.055   |          | 34.5     | 0.11     | <2       | <10      | 10       | <0.5     | 118      | 0.15     | <0.5     | 6        | 5        | 18     |
| C369697            |                          | 1.53         | 0.008   |          | 0.4      | 1.26     | <2       | <10      | 10       | <0.5     | 3        | 1.08     | <0.5     | 16       | 17       | 109    |
| C369698            |                          | 1.42         | 0.010   |          | 0.3      | 3.51     | <2       | <10      | 10       | <0.5     | 2        | 1.28     | <0.5     | 33       | <1       | 53     |
| C369699            |                          | 0.98         | 0.006   |          | 0.3      | 2.36     | <2       | <10      | 10       | <0.5     | <2       | 1.15     | <0.5     | 32       | 13       | 126    |
| C369700            |                          | 1.00         | <0.005  |          | <0.2     | 2.26     | 3        | <10      | <10      | <0.5     | 3        | 0.94     | <0.5     | 32       | 1        | 170    |
| C369701            |                          | 1.02         | 0.010   |          | <0.2     | 0.24     | <2       | <10      | 40       | <0.5     | 3        | 0.75     | <0.5     | 3        | 6        | 15     |
| C369702            |                          | 1.13         | 0.008   |          | 0.3      | 4.64     | <2       | <10      | 20       | <0.5     | 3        | 4.33     | <0.5     | 48       | 44       | 126    |
| C369703            |                          | 1.28         | <0.005  |          | 0.3      | 3.03     | 3        | <10      | 30       | <0.5     | 3        | 2.39     | <0.5     | 43       | 13       | 186    |
| C369704            |                          | 1.47         | <0.005  |          | <0.2     | 2.11     | <2       | <10      | 10       | <0.5     | 2        | 1.48     | <0.5     | 33       | 1        | 63     |
| C369705            |                          | 1.61         | <0.005  |          | 0.2      | 1.67     | 2        | <10      | 10       | <0.5     | <2       | 0.62     | <0.5     | 24       | 1        | 85     |
| C369706            |                          | 1.21         | 0.005   |          | 0.3      | 3.31     | <2       | <10      | 20       | <0.5     | 3        | 2.43     | <0.5     | 41       | 7        | 230    |
| C369707            |                          | 1.29         | 0.006   |          | <0.2     | 2.84     | 2        | <10      | <10      | <0.5     | <2       | 2.74     | <0.5     | 42       | 34       | 176    |
| C369708            |                          | 1.11         | <0.005  |          | <0.2     | 3.33     | <2       | <10      | 20       | <0.5     | 2        | 5.53     | <0.5     | 33       | 32       | 77     |
| C369709            |                          | 1.20         | <0.005  |          | 0.4      | 2.97     | <2       | <10      | 20       | <0.5     | <2       | 5.42     | <0.5     | 31       | 25       | 79     |
| C369710            |                          | 1.51         | <0.005  |          | 0.3      | 3.95     | 3        | <10      | 10       | <0.5     | 3        | 2.60     | <0.5     | 45       | 161      | 80     |
| C369711            |                          | 1.42         | <0.005  |          | 0.3      | 1.90     | <2       | <10      | 50       | <0.5     | 2        | 2.72     | <0.5     | 16       | 84       | 28     |
| C369712            |                          | 1.02         | <0.005  |          | 0.5      | 3.29     | 2        | <10      | 10       | <0.5     | 2        | 1.98     | <0.5     | 43       | 50       | 137    |
| C369713            |                          | 1.43         | <0.005  |          | 0.3      | 3.78     | <2       | <10      | 20       | <0.5     | <2       | 3.66     | <0.5     | 37       | <1       | 75     |
| C369714            |                          | 0.80         | <0.005  |          | <0.2     | 0.21     | <2       | <10      | 10       | <0.5     | 2        | 0.17     | <0.5     | 4        | 35       | 12     |
| C369715            |                          | 1.63         | <0.005  |          | 0.5      | 4.24     | 2        | <10      | 30       | <0.5     | <2       | 6.14     | <0.5     | 45       | 62       | 123    |
| C369716            |                          | 1.06         | <0.005  |          | 0.5      | 3.92     | <2       | <10      | 30       | <0.5     | 2        | 2.10     | <0.5     | 51       | 11       | 199    |
| C369717            |                          | 1.19         | <0.005  |          | <0.2     | 3.42     | <2       | <10      | 10       | <0.5     | 2        | 1.50     | <0.5     | 39       | 24       | 87     |
| C369718            |                          | 1.01         | 0.006   |          | <0.2     | 0.40     | <2       | <10      | 50       | <0.5     | 2        | 1.07     | <0.5     | 7        | 5        | 33     |
| C369719            |                          | 1.16         | 0.021   |          | 0.2      | 0.36     | <2       | <10      | 50       | <0.5     | 2        | 1.12     | <0.5     | 5        | 7        | 18     |
| C369720            |                          | 0.87         | <0.005  |          | <0.2     | 3.66     | <2       | <10      | 20       | <0.5     | <2       | 5.13     | <0.5     | 32       | 36       | 80     |
| C369721            |                          | 1.08         | <0.005  |          | <0.2     | 1.93     | 10       | <10      | <10      | <0.5     | <2       | 0.76     | <0.5     | 26       | 17       | 136    |
| C369722            |                          | 0.99         | 0.005   |          | <0.2     | 3.82     | 4        | <10      | 30       | <0.5     | <2       | 4.87     | <0.5     | 34       | 252      | 71     |
| C369723            |                          | 1.63         | 0.005   |          | <0.2     | 3.90     | 6        | <10      | 20       | <0.5     | <2       | 3.22     | <0.5     | 53       | 46       | 190    |
| C369724            |                          | 1.24         | 0.007   |          | <0.2     | 0.75     | <2       | <10      | 60       | <0.5     | <2       | 1.05     | <0.5     | 10       | 15       | 33     |
| C369725            |                          | 1.28         | <0.005  |          | 0.2      | 0.68     | <2       | <10      | 80       | <0.5     | <2       | 1.46     | <0.5     | 5        | 11       | 15     |
| C369726            |                          | 1.01         | 0.006   |          | <0.2     | 5.68     | <2       | <10      | 40       | <0.5     | <2       | 5.31     | <0.5     | 41       | 69       | 77     |
| C369727            |                          | 1.33         | <0.005  |          | <0.2     | 2.47     | <2       | <10      | 10       | <0.5     | <2       | 3.54     | <0.5     | 23       | <1       | 23     |
| C369728            |                          | 1.46         | <0.005  |          | <0.2     | 0.59     | <2       | <10      | 80       | <0.5     | <2       | 0.31     | <0.5     | 5        | 9        | 8      |
| C369729            |                          | 1.42         | <0.005  |          | <0.2     | 0.68     | <2       | <10      | 80       | <0.5     | <2       | 0.49     | <0.5     | 5        | 10       | 7      |
| C369730            |                          | 1.33         | <0.005  |          | <0.2     | 0.58     | <2       | <10      | 70       | <0.5     | <2       | 1.01     | <0.5     | 6        | 11       | 6      |



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Project: OFF LAKE-404-2

**CERTIFICATE OF ANALYSIS TB08119996**

| Sample Description | Method Analyte Units LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |        |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Fe %     | Ga ppm   | Hg ppm   | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm |
|                    |                          | 0.01     | 10       | 1        | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 2        | 1      |
| C369691            |                          | 4.10     | <10      | <1       | 0.02     | <10      | 0.54     | 430      | <1       | 0.04     | 1        | 760      | 3        | 0.16     | <2       | 3      |
| C369692            |                          | 8.65     | 20       | <1       | 0.08     | <10      | 3.76     | 1125     | <1       | 0.01     | 47       | 770      | <2       | 0.36     | <2       | 16     |
| C369693            |                          | 0.99     | <10      | <1       | 0.03     | <10      | 0.11     | 78       | <1       | 0.04     | 2        | 120      | 185      | 0.11     | <2       | 1      |
| C369694            |                          | 0.88     | <10      | <1       | 0.12     | <10      | 0.17     | 160      | <1       | 0.03     | 3        | 170      | 27       | 0.22     | <2       | 1      |
| C369695            |                          | 1.23     | <10      | <1       | 0.13     | 10       | 0.09     | 290      | 2        | 0.06     | 4        | 340      | 4        | 0.55     | <2       | 1      |
| C369696            |                          | 1.65     | <10      | <1       | 0.01     | <10      | 0.01     | 330      | <1       | 0.06     | 5        | 590      | 30       | 0.53     | <2       | 2      |
| C369697            |                          | 3.36     | <10      | <1       | 0.03     | <10      | 0.69     | 486      | 25       | 0.11     | 6        | 820      | 2        | 0.10     | <2       | 6      |
| C369698            |                          | 9.78     | 20       | <1       | 0.02     | <10      | 1.74     | 1340     | <1       | 0.02     | <1       | 790      | <2       | 0.24     | <2       | 11     |
| C369699            |                          | 5.12     | 10       | <1       | 0.01     | <10      | 1.50     | 783      | <1       | 0.02     | 34       | 420      | <2       | 0.12     | <2       | 3      |
| C369700            |                          | 5.58     | 10       | <1       | 0.01     | <10      | 1.26     | 666      | <1       | 0.03     | 10       | 480      | <2       | 0.17     | 2        | 3      |
| C369701            |                          | 0.82     | <10      | <1       | 0.12     | 10       | 0.08     | 233      | <1       | 0.03     | 5        | 270      | 3        | 0.26     | <2       | <1     |
| C369702            |                          | 8.71     | 20       | <1       | 0.06     | <10      | 3.58     | 1315     | <1       | 0.01     | 65       | 310      | <2       | 0.02     | <2       | 31     |
| C369703            |                          | 8.26     | 10       | 1        | 0.08     | <10      | 2.12     | 1625     | <1       | 0.03     | 29       | 480      | <2       | 0.28     | <2       | 9      |
| C369704            |                          | 6.89     | 10       | <1       | 0.06     | <10      | 0.97     | 780      | 4        | 0.03     | 5        | 480      | <2       | 0.17     | <2       | 5      |
| C369705            |                          | 5.66     | 10       | <1       | 0.02     | <10      | 0.95     | 528      | 1        | 0.06     | 2        | 450      | <2       | 0.13     | <2       | 4      |
| C369706            |                          | 8.39     | 10       | <1       | 0.06     | <10      | 2.20     | 1150     | <1       | 0.03     | 29       | 530      | <2       | 0.05     | <2       | 5      |
| C369707            |                          | 5.86     | 10       | <1       | 0.01     | <10      | 1.78     | 1040     | <1       | 0.02     | 65       | 310      | <2       | 0.20     | <2       | 3      |
| C369708            |                          | 8.93     | 10       | <1       | 0.08     | <10      | 1.49     | 1250     | <1       | 0.02     | 27       | 630      | <2       | 0.13     | <2       | 16     |
| C369709            |                          | 8.18     | 10       | <1       | 0.06     | <10      | 1.28     | 1655     | <1       | 0.02     | 21       | 770      | <2       | 0.15     | <2       | 18     |
| C369710            |                          | 8.12     | 10       | <1       | 0.01     | <10      | 3.23     | 1240     | <1       | 0.02     | 71       | 620      | <2       | 0.55     | <2       | 6      |
| C369711            |                          | 2.37     | 10       | <1       | 0.06     | 20       | 1.71     | 411      | <1       | 0.03     | 63       | 1440     | 9        | 0.05     | <2       | 2      |
| C369712            |                          | 6.54     | 10       | <1       | 0.01     | <10      | 2.47     | 1050     | <1       | 0.02     | 51       | 390      | <2       | 0.09     | <2       | 3      |
| C369713            |                          | 10.05    | 20       | <1       | 0.01     | <10      | 2.66     | 1090     | <1       | 0.02     | 19       | 360      | <2       | 0.08     | <2       | 34     |
| C369714            |                          | 0.53     | <10      | <1       | 0.01     | <10      | 0.13     | 111      | <1       | 0.01     | 15       | 40       | <2       | 0.01     | <2       | 1      |
| C369715            |                          | 9.28     | 20       | 1        | 0.03     | <10      | 1.28     | 1875     | <1       | 0.02     | 62       | 630      | <2       | 0.10     | <2       | 18     |
| C369716            |                          | 9.63     | 10       | <1       | 0.04     | <10      | 2.67     | 1550     | <1       | 0.01     | 55       | 540      | <2       | 0.05     | <2       | 5      |
| C369717            |                          | 6.90     | 10       | <1       | 0.01     | <10      | 2.83     | 1100     | <1       | 0.02     | 44       | 370      | <2       | 0.03     | <2       | 3      |
| C369718            |                          | 1.13     | <10      | <1       | 0.10     | 10       | 0.19     | 250      | 1        | 0.04     | 5        | 270      | 3        | 0.24     | <2       | <1     |
| C369719            |                          | 1.01     | <10      | <1       | 0.10     | 10       | 0.22     | 242      | 5        | 0.03     | 5        | 300      | 3        | 0.41     | <2       | <1     |
| C369720            |                          | 8.73     | 20       | <1       | 0.03     | <10      | 1.40     | 1595     | <1       | 0.02     | 27       | 750      | <2       | 0.11     | <2       | 25     |
| C369721            |                          | 2.61     | <10      | <1       | <0.01    | <10      | 1.71     | 434      | <1       | 0.02     | 57       | 180      | <2       | 0.03     | <2       | 2      |
| C369722            |                          | 5.61     | 10       | <1       | 0.24     | 30       | 4.46     | 1085     | <1       | 0.02     | 176      | 900      | 6        | 0.03     | <2       | 20     |
| C369723            |                          | 8.25     | 10       | <1       | 0.05     | <10      | 2.82     | 1380     | <1       | 0.02     | 82       | 340      | <2       | 0.36     | 3        | 4      |
| C369724            |                          | 2.27     | <10      | <1       | 0.12     | 10       | 0.58     | 336      | <1       | 0.04     | 16       | 360      | 4        | 0.75     | <2       | 1      |
| C369725            |                          | 1.20     | <10      | <1       | 0.24     | 10       | 0.45     | 349      | <1       | 0.04     | 9        | 410      | 3        | 0.04     | <2       | 1      |
| C369726            |                          | 13.40    | 20       | <1       | 0.02     | <10      | 2.68     | 2500     | <1       | 0.02     | 45       | 730      | <2       | 0.11     | 4        | 37     |
| C369727            |                          | 10.55    | 20       | <1       | 0.01     | <10      | 1.28     | 1445     | <1       | 0.04     | <1       | 1410     | <2       | 0.11     | 3        | 15     |
| C369728            |                          | 1.06     | <10      | <1       | 0.20     | 10       | 0.35     | 197      | <1       | 0.05     | 6        | 320      | 4        | 0.03     | <2       | 1      |
| C369729            |                          | 1.01     | <10      | <1       | 0.24     | 10       | 0.43     | 232      | <1       | 0.05     | 7        | 350      | 3        | 0.03     | <2       | 1      |
| C369730            |                          | 0.85     | <10      | <1       | 0.16     | 10       | 0.31     | 301      | <1       | 0.04     | 6        | 370      | 3        | 0.04     | <2       | 1      |



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| Sample Description | Method  | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |     |
|--------------------|---------|----------|----------|----------|----------|----------|----------|----------|-----|
|                    | Analyte | Sr       | Th       | Ti       | Ti       | U        | V        | W        |     |
|                    | Units   | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      |     |
| LOR                |         | 1        | 20       | 0.01     | 10       | 10       | 1        | 10       |     |
|                    |         |          |          |          |          |          |          | Zn       |     |
|                    |         |          |          |          |          |          |          | 2        |     |
| C369691            |         | 88       | <20      | 0.12     | <10      | <10      | 23       | <10      | 43  |
| C369692            |         | 28       | <20      | 0.25     | <10      | <10      | 195      | <10      | 84  |
| C369693            |         | 9        | <20      | 0.01     | <10      | <10      | 4        | <10      | 11  |
| C369694            |         | 31       | <20      | 0.03     | <10      | <10      | 5        | <10      | 24  |
| C369695            |         | 64       | <20      | <0.01    | <10      | <10      | 3        | <10      | 15  |
| C369696            |         | 15       | <20      | <0.01    | <10      | <10      | 2        | <10      | 12  |
| C369697            |         | 8        | <20      | 0.15     | <10      | <10      | 87       | <10      | 74  |
| C369698            |         | 33       | <20      | 0.19     | <10      | <10      | 105      | <10      | 94  |
| C369699            |         | 27       | <20      | 0.33     | <10      | <10      | 87       | <10      | 76  |
| C369700            |         | 9        | <20      | 0.25     | <10      | <10      | 128      | <10      | 34  |
| C369701            |         | 44       | <20      | <0.01    | <10      | <10      | 4        | <10      | 14  |
| C369702            |         | 87       | <20      | 0.23     | <10      | <10      | 246      | <10      | 141 |
| C369703            |         | 36       | <20      | 0.27     | <10      | <10      | 189      | <10      | 150 |
| C369704            |         | 27       | <20      | 0.25     | <10      | <10      | 245      | <10      | 57  |
| C369705            |         | 5        | <20      | 0.20     | <10      | <10      | 163      | <10      | 39  |
| C369706            |         | 20       | <20      | 0.34     | <10      | <10      | 200      | <10      | 95  |
| C369707            |         | 20       | <20      | 0.28     | <10      | <10      | 91       | <10      | 79  |
| C369708            |         | 85       | <20      | 0.08     | <10      | <10      | 235      | <10      | 118 |
| C369709            |         | 102      | <20      | 0.08     | <10      | <10      | 231      | <10      | 114 |
| C369710            |         | 61       | <20      | 0.27     | <10      | <10      | 161      | <10      | 116 |
| C369711            |         | 231      | <20      | 0.10     | <10      | <10      | 28       | <10      | 50  |
| C369712            |         | 35       | <20      | 0.25     | <10      | <10      | 105      | <10      | 96  |
| C369713            |         | 54       | <20      | 0.17     | <10      | <10      | 623      | <10      | 79  |
| C369714            |         | 4        | <20      | 0.01     | <10      | <10      | 8        | <10      | 11  |
| C369715            |         | 129      | <20      | 0.01     | <10      | <10      | 207      | <10      | 131 |
| C369716            |         | 33       | <20      | 0.31     | <10      | <10      | 171      | <10      | 136 |
| C369717            |         | 26       | <20      | 0.35     | <10      | <10      | 127      | <10      | 93  |
| C369718            |         | 70       | <20      | 0.01     | <10      | <10      | 5        | <10      | 19  |
| C369719            |         | 65       | <20      | 0.01     | <10      | <10      | 5        | <10      | 28  |
| C369720            |         | 92       | <20      | 0.07     | <10      | <10      | 302      | <10      | 125 |
| C369721            |         | 13       | <20      | 0.13     | <10      | <10      | 39       | <10      | 31  |
| C369722            |         | 244      | <20      | 0.15     | <10      | <10      | 161      | <10      | 105 |
| C369723            |         | 29       | <20      | 0.30     | <10      | <10      | 162      | <10      | 111 |
| C369724            |         | 60       | <20      | <0.01    | <10      | <10      | 11       | <10      | 48  |
| C369725            |         | 83       | <20      | 0.06     | <10      | <10      | 13       | <10      | 34  |
| C369726            |         | 102      | <20      | 0.01     | <10      | <10      | 278      | <10      | 203 |
| C369727            |         | 45       | <20      | 0.29     | <10      | <10      | 78       | <10      | 80  |
| C369728            |         | 59       | <20      | 0.07     | <10      | <10      | 16       | <10      | 37  |
| C369729            |         | 97       | <20      | 0.07     | <10      | <10      | 13       | <10      | 40  |
| C369730            |         | 100      | <20      | 0.06     | <10      | <10      | 7        | <10      | 35  |



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**CERTIFICATE OF ANALYSIS TB08119996**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21    | Au-AA23 | Au-GRA21 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |    |
|--------------------|-----------------------------------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----|
|                    |                                   | Recvd Wt. | Au      | Au       | Ag       | Al       | As       | B        | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu |
|                    |                                   | kg        | ppm     | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      |    |
|                    |                                   | 0.02      | 0.005   | 0.05     | 0.2      | 0.01     | 2        | 10       | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1  |
| C369731            |                                   | 1.23      | <0.005  |          | <0.2     | 0.69     | <2       | <10      | 90       | <0.5     | <2       | 0.39     | <0.5     | 6        | 11       | 6  |
| C369732            |                                   | 1.14      | <0.005  |          | <0.2     | 0.59     | <2       | <10      | 80       | <0.5     | <2       | 0.28     | <0.5     | 4        | 9        | 4  |
| C369733            |                                   | 1.45      | <0.005  |          | 0.2      | 0.64     | <2       | <10      | 100      | <0.5     | <2       | 0.77     | <0.5     | 6        | 15       | 5  |
| C369734            |                                   | 1.36      | <0.005  |          | <0.2     | 0.60     | <2       | <10      | 90       | <0.5     | <2       | 0.29     | <0.5     | 4        | 16       | 4  |



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## CERTIFICATE OF ANALYSIS TB08119996

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  |
|--------------------|-----------------------------------|----------|-----------|-----------|----------|-----------|----------|-----------|-----------|----------|-----------|----------|-----------|----------|-----------|-----------|
|                    |                                   | Fe<br>%  | Ga<br>ppm | Hg<br>ppm | K<br>%   | La<br>ppm | Mg<br>%  | Mn<br>ppm | Mo<br>ppm | Na<br>%  | Ni<br>ppm | P<br>ppm | Pb<br>ppm | S<br>%   | Sb<br>ppm | Sc<br>ppm |
|                    |                                   | 0.01     | 10        | 1         | 0.01     | 10        | 0.01     | 5         | 1         | 0.01     | 1         | 10       | 2         | 0.01     | 2         | 1         |
| C369731            |                                   | 1.12     | <10       | <1        | 0.26     | 10        | 0.48     | 231       | <1        | 0.05     | 8         | 370      | 2         | 0.03     | <2        | 1         |
| C369732            |                                   | 0.92     | <10       | <1        | 0.21     | 10        | 0.36     | 172       | <1        | 0.05     | 6         | 310      | 2         | 0.02     | <2        | 1         |
| C369733            |                                   | 1.10     | <10       | <1        | 0.35     | 10        | 0.42     | 298       | <1        | 0.05     | 7         | 360      | 3         | 0.05     | 2         | 1         |
| C369734            |                                   | 0.99     | <10       | <1        | 0.23     | 10        | 0.34     | 144       | <1        | 0.05     | 8         | 360      | 2         | 0.02     | <2        | 1         |





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**CERTIFICATE OF ANALYSIS TB08119996**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41       | ME-ICP41        | ME-ICP41        | ME-ICP41        | ME-ICP41       | ME-ICP41      | ME-ICP41       |                |
|--------------------|-----------------------------------|----------------|-----------------|-----------------|-----------------|----------------|---------------|----------------|----------------|
|                    |                                   | Sr<br>ppm<br>1 | Th<br>ppm<br>20 | Ti<br>%<br>0.01 | Ti<br>ppm<br>10 | U<br>ppm<br>10 | V<br>ppm<br>1 | W<br>ppm<br>10 | Zn<br>ppm<br>2 |
| C369731            |                                   | 73             | <20             | 0.08            | <10             | <10            | 15            | <10            | 39             |
| C369732            |                                   | 51             | <20             | 0.07            | <10             | <10            | 14            | <10            | 30             |
| C369733            |                                   | 61             | <20             | 0.07            | <10             | <10            | 15            | <10            | 40             |
| C369734            |                                   | 51             | <20             | 0.07            | <10             | <10            | 17            | <10            | 44             |



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## CERTIFICATE TB08122118

Project: OFF-LAKE-404-3

P.O. No.:

This report is for 41 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 29-AUG-2008.

The following have access to data associated with this certificate:

CJ BAKER

NELSON BAKER

ALLEN RAOUL

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION                    |
|----------|--------------------------------|
| WEI-21   | Received Sample Weight         |
| LOG-22   | Sample login - Rcd w/o BarCode |
| CRU-QC   | Crushing QC Test               |
| PUL-QC   | Pulverizing QC Test            |
| CRU-31   | Fine crushing - 70% <2mm       |
| SPL-21   | Split sample - riffle splitter |
| PUL-31   | Pulverize split to 85% <75 um  |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION                   | INSTRUMENT |
|----------|-------------------------------|------------|
| ME-ICP41 | 35 Element Aqua Regia ICP-AES | ICP-AES    |
| Au-AA23  | Au 30g FA-AA finish           | AAS        |

To: RAINY RIVER RESOURCES LTD.  
 ATTN: ALLEN RAOUL  
 P.O.BOX 5, 48 MARION STREET  
 ECHO LAKES ESTATE  
 EMO ON P0W 1E0

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



**ALS Chemex**  
**EXCELLENCE IN ANALYTICAL CHEMISTRY**  
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 VANCOUVER BC V6J 1V4

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 Total # Pages: 3 (A - C)  
 Finalized Date: 11-SEP-2008  
 Account: RRR

Project: OFF-LAKE-404-3

**CERTIFICATE OF ANALYSIS TB08122118**

| Sample Description | Method Analyte Units LOR | WEI-21       | Au-AA23 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|--------------------|--------------------------|--------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    |                          | Recvd Wt. kg | 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 %     |
|                    |                          | 0.02         | 0.005   | 0.2      | 0.01     | 2        | 10       | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     |
| C369735            |                          | 2.37         | 0.006   | <0.2     | 2.48     | <2       | <10      | 220      | <0.5     | <2       | 1.75     | <0.5     | 15       | 119      | 89       | 2.26     |
| C369736            |                          | 2.16         | <0.005  | <0.2     | 0.26     | <2       | <10      | 30       | <0.5     | <2       | 0.06     | <0.5     | 1        | 4        | 19       | 0.45     |
| C369737            |                          | 1.39         | <0.005  | <0.2     | 0.79     | <2       | <10      | 50       | <0.5     | <2       | 0.53     | <0.5     | 6        | 8        | 24       | 1.44     |
| C369738            |                          | 0.88         | <0.005  | <0.2     | 1.17     | <2       | <10      | <10      | <0.5     | <2       | 1.29     | <0.5     | 11       | 2        | 39       | 4.10     |
| C369739            |                          | 1.47         | <0.005  | <0.2     | 1.00     | <2       | <10      | 10       | <0.5     | <2       | 1.02     | <0.5     | 15       | 5        | 51       | 1.42     |
| C369740            |                          | 1.22         | <0.005  | <0.2     | 0.83     | <2       | <10      | 20       | <0.5     | <2       | 0.81     | <0.5     | 19       | 17       | 252      | 2.38     |
| C369741            |                          | 2.04         | <0.005  | <0.2     | 1.22     | <2       | <10      | <10      | <0.5     | <2       | 1.43     | <0.5     | 12       | 1        | 228      | 2.31     |
| C369742            |                          | 1.55         | <0.005  | <0.2     | 0.75     | <2       | <10      | 10       | <0.5     | <2       | 0.83     | <0.5     | 12       | 4        | 221      | 1.44     |
| C369743            |                          | 1.46         | <0.005  | <0.2     | 0.94     | <2       | <10      | 10       | <0.5     | <2       | 0.77     | <0.5     | 7        | 4        | 49       | 1.58     |
| C369744            |                          | 2.35         | <0.005  | <0.2     | 1.12     | <2       | <10      | <10      | <0.5     | <2       | 1.14     | <0.5     | 12       | 9        | 87       | 2.05     |
| C369745            |                          | 1.26         | <0.005  | <0.2     | 0.97     | <2       | <10      | 20       | <0.5     | <2       | 0.77     | <0.5     | 6        | 12       | 27       | 0.98     |
| C369746            |                          | 1.56         | <0.005  | <0.2     | 0.76     | <2       | <10      | 10       | <0.5     | <2       | 0.98     | <0.5     | 7        | 25       | 43       | 1.43     |
| C369747            |                          | 2.39         | <0.005  | <0.2     | 1.75     | <2       | <10      | 20       | <0.5     | <2       | 1.68     | <0.5     | 9        | 31       | 103      | 0.88     |
| C369748            |                          | 3.63         | <0.005  | <0.2     | 1.17     | <2       | <10      | 10       | <0.5     | <2       | 1.34     | <0.5     | 18       | 20       | 78       | 3.02     |
| C369749            |                          | 1.92         | <0.005  | <0.2     | 1.16     | <2       | <10      | 40       | <0.5     | <2       | 0.90     | <0.5     | 16       | 61       | 93       | 2.27     |
| C369750            |                          | 1.74         | <0.005  | <0.2     | 1.33     | <2       | <10      | 20       | <0.5     | <2       | 0.82     | <0.5     | 14       | 100      | 58       | 2.69     |
| C369777            |                          | 1.60         | <0.005  | <0.2     | 2.98     | <2       | <10      | 10       | <0.5     | <2       | 2.43     | <0.5     | 13       | 81       | 62       | 1.51     |
| C369778            |                          | 1.64         | <0.005  | <0.2     | 0.35     | <2       | <10      | 30       | <0.5     | <2       | 0.07     | <0.5     | 1        | 5        | 5        | 0.77     |
| C369779            |                          | 1.21         | <0.005  | <0.2     | 0.74     | <2       | <10      | 20       | <0.5     | <2       | 1.13     | <0.5     | 11       | 10       | 50       | 2.67     |
| C369780            |                          | 1.56         | <0.005  | <0.2     | 2.06     | <2       | <10      | 70       | <0.5     | <2       | 2.93     | <0.5     | 17       | 33       | 159      | 1.47     |
| C369781            |                          | 1.01         | <0.005  | <0.2     | 1.19     | <2       | <10      | 170      | <0.5     | <2       | 0.32     | <0.5     | 29       | 17       | 103      | 3.52     |
| C369782            |                          | 1.57         | <0.005  | 0.7      | 0.49     | <2       | <10      | 10       | <0.5     | <2       | 0.66     | 10.6     | 67       | 56       | 469      | 9.31     |
| C369783            |                          | 1.05         | <0.005  | <0.2     | 2.01     | <2       | <10      | 20       | <0.5     | <2       | 1.63     | <0.5     | 6        | 30       | 29       | 0.69     |
| C369784            |                          | 1.06         | <0.005  | 0.4      | 0.22     | <2       | <10      | <10      | <0.5     | <2       | 0.48     | 0.5      | 38       | 7        | 497      | 7.26     |
| C369785            |                          | 1.10         | <0.005  | <0.2     | 0.91     | <2       | <10      | 30       | <0.5     | <2       | 0.61     | <0.5     | 8        | 43       | 36       | 1.49     |
| C369786            |                          | 1.18         | <0.005  | <0.2     | 0.25     | <2       | <10      | 20       | <0.5     | <2       | 0.08     | <0.5     | 1        | 9        | 9        | 0.52     |
| C369787            |                          | 1.62         | <0.005  | <0.2     | 2.03     | <2       | <10      | 510      | <0.5     | <2       | 0.21     | <0.5     | 15       | 116      | 22       | 3.91     |
| C369788            |                          | 1.17         | <0.005  | 0.4      | 1.26     | <2       | <10      | 50       | <0.5     | <2       | 1.28     | <0.5     | 14       | 28       | 136      | 7.06     |
| C369824            |                          | 1.28         | <0.005  | <0.2     | 1.66     | <2       | <10      | 190      | <0.5     | <2       | 0.67     | <0.5     | 20       | 664      | 21       | 2.10     |
| C369825            |                          | 1.35         | <0.005  | <0.2     | 1.97     | <2       | <10      | 10       | <0.5     | <2       | 1.85     | <0.5     | 7        | 49       | 44       | 1.19     |
| C369826            |                          | 1.37         | <0.005  | <0.2     | 0.48     | <2       | <10      | 90       | <0.5     | <2       | 0.06     | <0.5     | 2        | 6        | 29       | 0.85     |
| C369827            |                          | 0.76         | <0.005  | <0.2     | 0.35     | <2       | <10      | 20       | <0.5     | <2       | 0.10     | <0.5     | 1        | 6        | 10       | 0.63     |
| C369828            |                          | 0.90         | <0.005  | <0.2     | 1.86     | <2       | <10      | 10       | <0.5     | <2       | 1.65     | <0.5     | 12       | 13       | 83       | 1.08     |
| C369829            |                          | 1.70         | <0.005  | 0.3      | 0.47     | <2       | <10      | <10      | <0.5     | <2       | 0.61     | <0.5     | 12       | 11       | 248      | 1.54     |
| C369830            |                          | 0.92         | <0.005  | 0.5      | 1.22     | <2       | <10      | <10      | <0.5     | <2       | 0.87     | <0.5     | 30       | 24       | 454      | 5.75     |
| C369831            |                          | 1.08         | <0.005  | 1.1      | 1.02     | 2        | <10      | 10       | <0.5     | <2       | 0.93     | <0.5     | 19       | 21       | 972      | 5.15     |
| C369832            |                          | 0.70         | <0.005  | <0.2     | 0.31     | <2       | <10      | 20       | <0.5     | <2       | 0.81     | <0.5     | 10       | 2        | 62       | 3.53     |
| C369833            |                          | 1.18         | <0.005  | 0.2      | 0.18     | <2       | <10      | 10       | <0.5     | <2       | 0.39     | <0.5     | 26       | 5        | 377      | 8.08     |
| C369834            |                          | 1.32         | <0.005  | <0.2     | 1.08     | <2       | <10      | 40       | <0.5     | <2       | 1.24     | <0.5     | 15       | 21       | 83       | 2.81     |
| C369835            |                          | 0.76         | <0.005  | <0.2     | 2.30     | <2       | <10      | 80       | <0.5     | <2       | 1.81     | <0.5     | 6        | 37       | 31       | 1.00     |



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| Sample Description | Method Analyte Units LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |     |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|
|                    |                          | Ga       | Hg       | K        | La       | Mg       | Mn       | Mo       | Na       | Ni       | P        | Pb       | S        | Sb       | Sc       | Sr  |
|                    |                          | ppm      | ppm      | %        | ppm      | %        | ppm      | ppm      | %        | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm |
| C369735            |                          | 10       | <1       | 0.35     | 10       | 0.85     | 316      | <1       | 0.22     | 39       | 160      | <2       | 0.06     | <2       | 5        | 63  |
| C369736            |                          | <10      | <1       | 0.11     | 10       | 0.07     | 186      | <1       | 0.04     | 1        | 30       | 10       | <0.01    | <2       | <1       | 9   |
| C369737            |                          | <10      | <1       | 0.12     | <10      | 0.49     | 170      | <1       | 0.09     | 7        | 140      | 4        | 0.02     | <2       | 4        | 7   |
| C369738            |                          | 10       | <1       | 0.05     | <10      | 0.39     | 273      | <1       | 0.18     | 4        | 440      | <2       | 0.02     | <2       | 7        | 6   |
| C369739            |                          | <10      | <1       | 0.06     | <10      | 0.66     | 200      | <1       | 0.07     | 20       | 130      | 4        | 0.38     | <2       | 4        | 29  |
| C369740            |                          | <10      | <1       | 0.10     | 10       | 0.43     | 237      | <1       | 0.08     | 26       | 290      | <2       | 0.50     | <2       | 3        | 26  |
| C369741            |                          | <10      | <1       | 0.06     | <10      | 0.56     | 282      | <1       | 0.13     | 9        | 190      | <2       | 0.05     | <2       | 7        | 19  |
| C369742            |                          | <10      | <1       | 0.06     | <10      | 0.33     | 131      | <1       | 0.05     | 15       | 170      | <2       | 0.24     | <2       | 4        | 16  |
| C369743            |                          | <10      | <1       | 0.08     | <10      | 0.45     | 211      | <1       | 0.07     | 9        | 80       | 7        | 0.04     | <2       | 4        | 5   |
| C369744            |                          | <10      | <1       | 0.09     | <10      | 0.63     | 271      | <1       | 0.11     | 18       | 260      | <2       | 0.02     | <2       | 6        | 13  |
| C369745            |                          | <10      | <1       | 0.18     | <10      | 0.57     | 178      | <1       | 0.13     | 12       | 70       | 3        | <0.01    | <2       | 4        | 11  |
| C369746            |                          | <10      | <1       | 0.06     | <10      | 0.51     | 212      | <1       | 0.10     | 13       | 260      | <2       | 0.01     | <2       | 5        | 12  |
| C369747            |                          | <10      | <1       | 0.04     | <10      | 0.35     | 134      | <1       | 0.11     | 21       | 180      | <2       | 0.10     | <2       | 3        | 23  |
| C369748            |                          | 10       | <1       | 0.13     | <10      | 0.82     | 357      | <1       | 0.18     | 37       | 390      | <2       | 0.15     | <2       | 6        | 10  |
| C369749            |                          | <10      | <1       | 0.19     | <10      | 0.95     | 254      | <1       | 0.11     | 56       | 270      | <2       | 0.06     | <2       | 3        | 12  |
| C369750            |                          | 10       | <1       | 0.08     | 10       | 1.19     | 272      | <1       | 0.08     | 67       | 1210     | <2       | 0.25     | <2       | 3        | 36  |
| C369777            |                          | 10       | <1       | 0.06     | <10      | 0.55     | 212      | <1       | 0.25     | 34       | 130      | <2       | 0.05     | <2       | 5        | 41  |
| C369778            |                          | <10      | <1       | 0.11     | 10       | 0.12     | 118      | <1       | 0.05     | 1        | 80       | 6        | <0.01    | <2       | <1       | 11  |
| C369779            |                          | <10      | <1       | 0.09     | 10       | 0.63     | 312      | <1       | 0.13     | 14       | 470      | <2       | 0.02     | <2       | 7        | 27  |
| C369780            |                          | <10      | <1       | 0.04     | <10      | 0.69     | 291      | <1       | 0.05     | 15       | 240      | <2       | 0.04     | <2       | 4        | 44  |
| C369781            |                          | <10      | <1       | 0.70     | <10      | 0.91     | 349      | <1       | 0.07     | 37       | 310      | <2       | 0.75     | <2       | 5        | 5   |
| C369782            |                          | <10      | <1       | 0.06     | <10      | 0.10     | 320      | 2        | 0.04     | 146      | 230      | 3        | 6.24     | <2       | 3        | 11  |
| C369783            |                          | <10      | <1       | 0.08     | <10      | 0.39     | 104      | <1       | 0.15     | 17       | 330      | <2       | 0.07     | <2       | 2        | 76  |
| C369784            |                          | <10      | <1       | 0.03     | <10      | 0.05     | 126      | <1       | 0.06     | 7        | 910      | <2       | 3.08     | <2       | 2        | 5   |
| C369785            |                          | <10      | <1       | 0.10     | <10      | 0.67     | 181      | <1       | 0.09     | 12       | 140      | 2        | 0.03     | <2       | 4        | 10  |
| C369786            |                          | <10      | <1       | 0.11     | <10      | 0.08     | 86       | <1       | 0.05     | 2        | 40       | 3        | 0.01     | <2       | 1        | 8   |
| C369787            |                          | 10       | <1       | 1.57     | 10       | 1.51     | 491      | <1       | 0.08     | 46       | 480      | <2       | 0.09     | <2       | 4        | 14  |
| C369788            |                          | 10       | <1       | 0.23     | 10       | 0.66     | 877      | 8        | 0.07     | 16       | 310      | 39       | 0.92     | <2       | 2        | 14  |
| C369824            |                          | 10       | <1       | 1.17     | 20       | 2.38     | 259      | <1       | 0.04     | 153      | 1470     | <2       | 0.01     | <2       | 2        | 62  |
| C369825            |                          | <10      | <1       | 0.05     | <10      | 0.50     | 213      | <1       | 0.19     | 17       | 240      | <2       | 0.01     | <2       | 5        | 27  |
| C369826            |                          | <10      | <1       | 0.09     | <10      | 0.21     | 88       | 3        | 0.09     | 1        | 40       | 9        | 0.01     | <2       | 1        | 13  |
| C369827            |                          | <10      | <1       | 0.12     | <10      | 0.10     | 63       | <1       | 0.08     | 2        | 40       | 4        | <0.01    | <2       | <1       | 12  |
| C369828            |                          | <10      | <1       | 0.04     | <10      | 0.22     | 138      | <1       | 0.19     | 26       | 280      | <2       | 0.06     | <2       | 3        | 29  |
| C369829            |                          | <10      | <1       | 0.05     | <10      | 0.15     | 114      | <1       | 0.07     | 13       | 230      | 2        | 0.34     | <2       | 2        | 16  |
| C369830            |                          | <10      | <1       | 0.12     | <10      | 0.46     | 280      | <1       | 0.04     | 90       | 380      | 7        | 3.21     | <2       | 5        | 9   |
| C369831            |                          | <10      | <1       | 0.08     | <10      | 0.33     | 247      | <1       | 0.03     | 29       | 290      | 7        | 1.40     | <2       | 5        | 5   |
| C369832            |                          | <10      | <1       | 0.01     | <10      | 0.11     | 155      | <1       | 0.03     | <1       | 760      | <2       | 0.66     | 2        | 3        | 10  |
| C369833            |                          | <10      | <1       | 0.02     | <10      | 0.05     | 159      | <1       | 0.04     | <1       | 870      | 2        | 2.73     | <2       | 2        | 4   |
| C369834            |                          | <10      | <1       | 0.09     | 10       | 0.56     | 433      | <1       | 0.12     | 21       | 700      | <2       | 0.18     | <2       | 8        | 9   |
| C369835            |                          | <10      | <1       | 0.05     | <10      | 0.41     | 167      | <1       | 0.19     | 13       | 210      | <2       | <0.01    | <2       | 4        | 31  |



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|--------------------|-----------------------------------|----------|----------|----------|----------|----------|----------|----------|
|                    |                                   | Th       | Ti       | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | %        | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 20       | 0.01     | 10       | 10       | 1        | 10       | 2        |
| C369735            |                                   | <20      | 0.12     | <10      | <10      | 71       | <10      | 30       |
| C369736            |                                   | <20      | 0.01     | <10      | <10      | 2        | <10      | 6        |
| C369737            |                                   | <20      | 0.08     | <10      | <10      | 37       | <10      | 35       |
| C369738            |                                   | <20      | 0.15     | <10      | <10      | 129      | <10      | 14       |
| C369739            |                                   | <20      | 0.07     | <10      | <10      | 36       | <10      | 12       |
| C369740            |                                   | <20      | 0.09     | <10      | <10      | 38       | <10      | 36       |
| C369741            |                                   | <20      | 0.18     | <10      | <10      | 167      | <10      | 15       |
| C369742            |                                   | <20      | 0.10     | <10      | <10      | 37       | <10      | 10       |
| C369743            |                                   | <20      | 0.07     | <10      | <10      | 36       | <10      | 14       |
| C369744            |                                   | <20      | 0.11     | <10      | <10      | 51       | <10      | 23       |
| C369745            |                                   | <20      | 0.06     | <10      | <10      | 25       | <10      | 12       |
| C369746            |                                   | <20      | 0.10     | <10      | <10      | 40       | <10      | 13       |
| C369747            |                                   | <20      | 0.07     | <10      | <10      | 21       | <10      | 9        |
| C369748            |                                   | <20      | 0.16     | <10      | <10      | 54       | <10      | 68       |
| C369749            |                                   | <20      | 0.14     | <10      | <10      | 33       | <10      | 31       |
| C369750            |                                   | <20      | 0.16     | <10      | <10      | 53       | <10      | 41       |
| C369777            |                                   | <20      | 0.07     | <10      | <10      | 42       | <10      | 11       |
| C369778            |                                   | <20      | 0.04     | <10      | <10      | 7        | <10      | 12       |
| C369779            |                                   | <20      | 0.12     | <10      | <10      | 53       | <10      | 22       |
| C369780            |                                   | <20      | 0.10     | <10      | <10      | 53       | <10      | 16       |
| C369781            |                                   | <20      | 0.18     | <10      | <10      | 102      | <10      | 49       |
| C369782            |                                   | <20      | 0.09     | <10      | <10      | 23       | <10      | 1160     |
| C369783            |                                   | <20      | 0.04     | <10      | <10      | 15       | <10      | 11       |
| C369784            |                                   | <20      | 0.14     | <10      | <10      | 19       | <10      | 78       |
| C369785            |                                   | <20      | 0.10     | <10      | <10      | 37       | <10      | 16       |
| C369786            |                                   | <20      | 0.03     | <10      | <10      | 5        | <10      | 4        |
| C369787            |                                   | <20      | 0.28     | <10      | <10      | 88       | <10      | 73       |
| C369788            |                                   | <20      | 0.07     | <10      | <10      | 37       | <10      | 179      |
| C369824            |                                   | <20      | 0.15     | <10      | <10      | 40       | <10      | 32       |
| C369825            |                                   | <20      | 0.08     | <10      | <10      | 35       | <10      | 12       |
| C369826            |                                   | <20      | 0.04     | <10      | <10      | 11       | <10      | 12       |
| C369827            |                                   | <20      | 0.03     | <10      | <10      | 7        | <10      | 5        |
| C369828            |                                   | <20      | 0.11     | <10      | <10      | 29       | <10      | 10       |
| C369829            |                                   | <20      | 0.15     | <10      | <10      | 26       | <10      | 17       |
| C369830            |                                   | <20      | 0.14     | <10      | <10      | 99       | <10      | 155      |
| C369831            |                                   | <20      | 0.22     | <10      | <10      | 83       | <10      | 56       |
| C369832            |                                   | <20      | 0.16     | <10      | <10      | 12       | <10      | 11       |
| C369833            |                                   | <20      | 0.15     | <10      | <10      | 28       | <10      | 17       |
| C369834            |                                   | <20      | 0.15     | <10      | <10      | 69       | <10      | 32       |
| C369835            |                                   | <20      | 0.07     | <10      | <10      | 28       | <10      | 9        |



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Finalized Date: 11-SEP-2008

Account: RRR

Project: OFF-LAKE-404-3

## CERTIFICATE OF ANALYSIS TB08122118

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21<br>Recvd Wt.<br>kg | Au-AA23<br>Au<br>ppm | ME-ICP41<br>Ag<br>ppm | ME-ICP41<br>Al<br>% | ME-ICP41<br>As<br>ppm | ME-ICP41<br>B<br>ppm | ME-ICP41<br>Ba<br>ppm | ME-ICP41<br>Be<br>ppm | ME-ICP41<br>Bi<br>ppm | ME-ICP41<br>Ca<br>% | ME-ICP41<br>Cd<br>ppm | ME-ICP41<br>Co<br>ppm | ME-ICP41<br>Cr<br>ppm | ME-ICP41<br>Cu<br>ppm | ME-ICP41<br>Fe<br>% |
|--------------------|-----------------------------------|---------------------------|----------------------|-----------------------|---------------------|-----------------------|----------------------|-----------------------|-----------------------|-----------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|
| C369836            |                                   | 1.72                      | <0.005               | <0.2                  | 0.18                | <2                    | <10                  | 20                    | <0.5                  | <2                    | 0.10                | <0.5                  | 4                     | 12                    | 13                    | 0.84                |



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 Account: RRR

Project: OFF-LAKE-404-3

**CERTIFICATE OF ANALYSIS TB08122118**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |     |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|
|                    |                                   | Ga       | Hg       | K        | La       | Mg       | Mn       | Mo       | Na       | Ni       | P        | Pb       | S        | Sb       | Sc       | Sr  |
|                    |                                   | ppm      | ppm      | %        | ppm      | %        | ppm      | ppm      | %        | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm |
| C369836            |                                   | <10      | <1       | 0.01     | <10      | 0.01     | 73       | <1       | 0.01     | 2        | 60       | 7        | 0.07     | <2       | 1        | 6   |



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Account: RRR

Project: OFF-LAKE-404-3

## CERTIFICATE OF ANALYSIS TB08122118

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|----------|----------|
|                    |                                   | Th       | Ti       | Ti       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | %        | ppm      | ppm      | ppm      | ppm      | ppm      |
| C369836            |                                   | <20      | 0.02     | <10      | <10      | 7        | <10      | 9        |





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Page: 1

Finalized Date: 2-SEP-2008

Account: RRR

## CERTIFICATE TB08119997

Project: OFF LAKE-404-7

P.O. No.:

This report is for 49 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 25-AUG-2008.

The following have access to data associated with this certificate:

CJ BAKER

NELSON BAKER

ALLEN RAOUL

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION                    |
|----------|--------------------------------|
| WEI-21   | Received Sample Weight         |
| LOG-22   | Sample login - Rcd w/o BarCode |
| CRU-QC   | Crushing QC Test               |
| PUL-QC   | Pulverizing QC Test            |
| CRU-31   | Fine crushing - 70% <2mm       |
| SPL-21   | Split sample - riffle splitter |
| PUL-31   | Pulverize split to 85% <75 um  |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION                   | INSTRUMENT |
|----------|-------------------------------|------------|
| ME-ICP41 | 35 Element Aqua Regia ICP-AES | ICP-AES    |
| Au-AA23  | Au 30g FA-AA finish           | AAS        |

To: RAINY RIVER RESOURCES LTD.  
 ATTN: ALLEN RAOUL  
 P.O.BOX 5, 48 MARION STREET  
 ECHO LAKES ESTATE  
 EMO ON POW 1E0

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Project: OFF LAKE-404-7

**CERTIFICATE OF ANALYSIS TB08119997**

| Method Analyte Units LOR | WEI-21 Recvd Wt. kg | Au-AA23 Au ppm | ME-ICP41 Ag ppm | ME-ICP41 Al % | ME-ICP41 As ppm | ME-ICP41 B ppm | ME-ICP41 Ba ppm | ME-ICP41 Be ppm | ME-ICP41 Bi ppm | ME-ICP41 Ca % | ME-ICP41 Cd ppm | ME-ICP41 Co ppm | ME-ICP41 Cr ppm | ME-ICP41 Cu ppm | ME-ICP41 Fe % |
|--------------------------|---------------------|----------------|-----------------|---------------|-----------------|----------------|-----------------|-----------------|-----------------|---------------|-----------------|-----------------|-----------------|-----------------|---------------|
| Sample Description       | 0.02                | 0.005          | 0.2             | 0.01          | 2               | 10             | 10              | 0.5             | 2               | 0.01          | 0.5             | 1               | 1               | 1               | 0.01          |
| C369801                  | 0.71                | 0.005          | <0.2            | 1.97          | 5               | <10            | <10             | <0.5            | <2              | 10.65         | <0.5            | 18              | 31              | 37              | 2.63          |
| C369802                  | 0.99                | 0.007          | 0.3             | 2.70          | 7               | <10            | 20              | <0.5            | <2              | 1.05          | <0.5            | 31              | 78              | 297             | 5.96          |
| C369803                  | 1.02                | <0.005         | <0.2            | 1.77          | <2              | <10            | 10              | <0.5            | <2              | 1.18          | <0.5            | 21              | 2               | 20              | 4.31          |
| C369804                  | 0.89                | <0.005         | <0.2            | 2.54          | <2              | <10            | 10              | <0.5            | <2              | 1.25          | <0.5            | 28              | 4               | 71              | 6.34          |
| C369805                  | 0.52                | <0.005         | <0.2            | 3.69          | <2              | <10            | 30              | <0.5            | <2              | 4.73          | <0.5            | 36              | 29              | 93              | 8.90          |
| C369806                  | 0.85                | 0.013          | <0.2            | 3.10          | <2              | <10            | 10              | <0.5            | <2              | 1.34          | <0.5            | 34              | 2               | 268             | 7.34          |
| C369807                  | 0.81                | <0.005         | <0.2            | 1.50          | <2              | <10            | 10              | <0.5            | <2              | 1.61          | <0.5            | 21              | 5               | 222             | 3.34          |
| C369808                  | 0.57                | <0.005         | <0.2            | 0.30          | <2              | <10            | <10             | <0.5            | <2              | 0.46          | <0.5            | 4               | 48              | 4               | 0.63          |
| C369809                  | 0.60                | <0.005         | <0.2            | 4.25          | <2              | <10            | 40              | <0.5            | <2              | 2.60          | <0.5            | 43              | 59              | 113             | 9.83          |
| C369810                  | 0.74                | <0.005         | <0.2            | 4.83          | <2              | <10            | 20              | <0.5            | <2              | 2.11          | <0.5            | 57              | 12              | 172             | 10.90         |
| C369811                  | 0.68                | <0.005         | <0.2            | 2.94          | <2              | <10            | 20              | <0.5            | <2              | 2.29          | <0.5            | 36              | 27              | 95              | 8.26          |
| C369812                  | 1.01                | 0.014          | 0.2             | 0.43          | <2              | <10            | 60              | <0.5            | <2              | 1.29          | <0.5            | 5               | 7               | 31              | 0.77          |
| C369813                  | 0.77                | <0.005         | <0.2            | 4.58          | 3               | <10            | 10              | <0.5            | <2              | 4.07          | <0.5            | 51              | 63              | 133             | 8.68          |
| C369814                  | 0.81                | 0.011          | <0.2            | 3.19          | <2              | <10            | 30              | <0.5            | <2              | 1.34          | <0.5            | 33              | 40              | 220             | 7.97          |
| C369815                  | 0.88                | <0.005         | 0.2             | 2.87          | <2              | <10            | 70              | <0.5            | <2              | 0.81          | <0.5            | 30              | 26              | 68              | 8.15          |
| C369816                  | 0.98                | <0.005         | <0.2            | 3.80          | <2              | <10            | 40              | <0.5            | <2              | 1.27          | <0.5            | 40              | <1              | 40              | 11.50         |
| C369817                  | 1.10                | <0.005         | 0.2             | 4.41          | <2              | <10            | 20              | <0.5            | <2              | 6.39          | <0.5            | 39              | 36              | 104             | 10.60         |
| C369818                  | 0.86                | <0.005         | <0.2            | 2.07          | <2              | <10            | <10             | <0.5            | <2              | 0.92          | <0.5            | 22              | 62              | 141             | 3.09          |
| C369819                  | 0.55                | <0.005         | 0.2             | 0.71          | <2              | <10            | 110             | <0.5            | <2              | 0.44          | <0.5            | 6               | 11              | 13              | 1.25          |
| C369820                  | 0.60                | <0.005         | 0.3             | 0.76          | <2              | <10            | 120             | <0.5            | <2              | 0.50          | <0.5            | 6               | 13              | 11              | 1.18          |
| C369821                  | 0.72                | <0.005         | <0.2            | 3.25          | <2              | <10            | <10             | <0.5            | <2              | 2.13          | <0.5            | 33              | 35              | 5               | 5.95          |
| C369822                  | 0.71                | <0.005         | <0.2            | 3.00          | <2              | <10            | 10              | <0.5            | <2              | 2.36          | <0.5            | 31              | 210             | 84              | 5.11          |
| C369823                  | 0.95                | <0.005         | <0.2            | 2.01          | <2              | <10            | 50              | <0.5            | <2              | 2.85          | <0.5            | 23              | 23              | 51              | 3.29          |
| C369751                  | 1.19                | <0.005         | <0.2            | 0.24          | 2               | <10            | 30              | <0.5            | <2              | 0.31          | <0.5            | 2               | 14              | 17              | 0.54          |
| C369752                  | 1.50                | <0.005         | 0.4             | 3.60          | 4               | <10            | 10              | <0.5            | <2              | 1.76          | <0.5            | 37              | 38              | 196             | 6.75          |
| C369753                  | 1.14                | <0.005         | <0.2            | 4.31          | 4               | <10            | 10              | <0.5            | <2              | 3.62          | <0.5            | 46              | <1              | 111             | 11.25         |
| C369754                  | 1.19                | <0.005         | 0.3             | 3.89          | 2               | <10            | 10              | <0.5            | <2              | 1.38          | <0.5            | 50              | 73              | 181             | 6.25          |
| C369755                  | 1.14                | <0.005         | <0.2            | 3.06          | 4               | <10            | 20              | <0.5            | <2              | 1.11          | <0.5            | 35              | 1               | 183             | 7.00          |
| C369756                  | 1.33                | <0.005         | <0.2            | 3.13          | <2              | <10            | <10             | <0.5            | <2              | 1.03          | <0.5            | 37              | 24              | 216             | 5.98          |
| C369757                  | 0.92                | <0.005         | 0.2             | 2.83          | 3               | <10            | 10              | <0.5            | <2              | 0.84          | <0.5            | 37              | 22              | 213             | 5.20          |
| C369758                  | 1.10                | <0.005         | 0.2             | 0.74          | 2               | <10            | 30              | <0.5            | <2              | 1.83          | <0.5            | 5               | 4               | 5               | 1.39          |
| C369759                  | 0.99                | <0.005         | 0.2             | 5.36          | 4               | <10            | 30              | <0.5            | <2              | 5.20          | <0.5            | 47              | 80              | 130             | 10.00         |
| C369760                  | 1.00                | <0.005         | 0.2             | 1.96          | 3               | <10            | 20              | <0.5            | <2              | 2.20          | <0.5            | 49              | 395             | 55              | 3.32          |
| C369761                  | 1.17                | <0.005         | 0.4             | 5.72          | <2              | <10            | 20              | <0.5            | <2              | 4.34          | <0.5            | 39              | 167             | 197             | 9.86          |
| C369762                  | 1.45                | <0.005         | 0.2             | 3.22          | 7               | <10            | 30              | <0.5            | <2              | 1.34          | <0.5            | 45              | 36              | 201             | 6.08          |
| C369763                  | 1.13                | <0.005         | <0.2            | 5.08          | 3               | <10            | 10              | <0.5            | <2              | 1.11          | <0.5            | 64              | 43              | 222             | 11.45         |
| C369764                  | 1.01                | <0.005         | <0.2            | 4.97          | 6               | <10            | 20              | <0.5            | <2              | 4.02          | <0.5            | 40              | 58              | 121             | 10.85         |
| C369765                  | 1.06                | 0.018          | 0.5             | 0.25          | 5               | <10            | 60              | <0.5            | 2               | 0.97          | <0.5            | 6               | 3               | 10              | 1.67          |
| C369766                  | 1.36                | <0.005         | 0.2             | 4.50          | <2              | <10            | 30              | <0.5            | <2              | 6.46          | <0.5            | 36              | 39              | 103             | 9.39          |
| C369767                  | 0.99                | <0.005         | <0.2            | 0.27          | 3               | <10            | 60              | <0.5            | <2              | 0.85          | <0.5            | 4               | 4               | 1               | 1.21          |



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Project: OFF LAKE-404-7

**CERTIFICATE OF ANALYSIS TB08119997**

| Sample Description | Method  | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |     |
|--------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|
|                    | Analyte | Ga       | Hg       | K        | La       | Mg       | Mn       | Mo       | Na       | Ni       | P        | Pb       | S        | Sb       | Sc       | Sr  |
| Units              |         | ppm      | ppm      | %        | ppm      | %        | ppm      | ppm      | %        | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm |
| LOR                |         | 10       | 1        | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 2        | 1        | 1   |
| C369801            |         | <10      | <1       | 0.03     | <10      | 1.74     | 892      | <1       | 0.02     | 30       | 90       | 4        | 0.03     | <2       | 9        | 57  |
| C369802            |         | 10       | <1       | 0.02     | <10      | 2.19     | 687      | <1       | 0.05     | 78       | 380      | 2        | 0.93     | 2        | 3        | 19  |
| C369803            |         | 10       | <1       | 0.01     | <10      | 0.95     | 566      | <1       | 0.05     | 4        | 390      | <2       | 0.09     | 4        | 3        | 16  |
| C369804            |         | 10       | <1       | 0.03     | <10      | 1.76     | 954      | <1       | 0.08     | 17       | 700      | <2       | 0.11     | <2       | 7        | 25  |
| C369805            |         | 10       | <1       | 0.05     | <10      | 1.61     | 1195     | <1       | 0.03     | 31       | 690      | <2       | 0.11     | 3        | 21       | 76  |
| C369806            |         | 10       | <1       | 0.01     | <10      | 1.86     | 1070     | <1       | 0.04     | 17       | 440      | <2       | 0.14     | 2        | 5        | 14  |
| C369807            |         | <10      | <1       | 0.02     | <10      | 0.68     | 421      | <1       | 0.03     | 9        | 270      | <2       | 0.19     | <2       | 4        | 31  |
| C369808            |         | <10      | <1       | <0.01    | <10      | 0.29     | 136      | <1       | 0.01     | 12       | 30       | <2       | 0.02     | <2       | 2        | 11  |
| C369809            |         | 10       | <1       | 0.07     | <10      | 0.93     | 1335     | <1       | 0.03     | 71       | 670      | <2       | 0.12     | 2        | 11       | 34  |
| C369810            |         | 10       | <1       | 0.03     | <10      | 3.22     | 1690     | <1       | 0.02     | 61       | 550      | <2       | 0.02     | 3        | 5        | 35  |
| C369811            |         | 10       | <1       | 0.03     | <10      | 2.11     | 1375     | <1       | 0.04     | 30       | 500      | <2       | 0.03     | 2        | 3        | 34  |
| C369812            |         | <10      | <1       | 0.16     | 10       | 0.21     | 256      | 2        | 0.04     | 5        | 380      | 2        | 0.18     | <2       | <1       | 72  |
| C369813            |         | 10       | <1       | 0.01     | <10      | 3.43     | 1535     | <1       | 0.02     | 67       | 380      | <2       | 0.09     | <2       | 4        | 37  |
| C369814            |         | 10       | <1       | 0.08     | <10      | 1.91     | 1065     | <1       | 0.04     | 26       | 570      | <2       | 0.18     | 3        | 5        | 21  |
| C369815            |         | 10       | <1       | 0.15     | <10      | 1.81     | 1400     | <1       | 0.04     | 18       | 900      | <2       | 0.07     | 2        | 5        | 21  |
| C369816            |         | 20       | <1       | 0.08     | <10      | 2.63     | 1765     | <1       | 0.03     | 3        | 1020     | <2       | 0.23     | <2       | 7        | 22  |
| C369817            |         | 20       | <1       | 0.01     | <10      | 2.00     | 1955     | <1       | 0.02     | 31       | 710      | <2       | 0.11     | 2        | 35       | 135 |
| C369818            |         | <10      | <1       | 0.01     | <10      | 1.13     | 382      | <1       | 0.12     | 71       | 260      | <2       | 0.15     | <2       | 3        | 11  |
| C369819            |         | <10      | <1       | 0.39     | 10       | 0.47     | 273      | <1       | 0.05     | 8        | 360      | 2        | 0.03     | <2       | 1        | 54  |
| C369820            |         | <10      | <1       | 0.41     | 20       | 0.51     | 238      | <1       | 0.05     | 9        | 380      | 4        | 0.03     | <2       | 1        | 58  |
| C369821            |         | 10       | <1       | 0.01     | <10      | 2.53     | 840      | <1       | 0.03     | 38       | 830      | <2       | 0.04     | 2        | 5        | 76  |
| C369822            |         | 10       | <1       | <0.01    | <10      | 3.12     | 948      | <1       | 0.04     | 53       | 330      | <2       | 0.02     | 4        | 4        | 46  |
| C369823            |         | 10       | <1       | 0.09     | 10       | 1.27     | 342      | <1       | 0.04     | 40       | 620      | <2       | 0.30     | <2       | 3        | 42  |
| C369751            |         | <10      | <1       | 0.06     | <10      | 0.13     | 122      | <1       | 0.02     | 2        | 150      | <2       | 0.06     | 2        | <1       | 22  |
| C369752            |         | 10       | 1        | 0.01     | <10      | 2.42     | 1105     | <1       | 0.03     | 44       | 470      | <2       | 0.11     | 3        | 6        | 40  |
| C369753            |         | 20       | 1        | 0.01     | <10      | 1.97     | 1235     | <1       | 0.04     | 6        | 680      | <2       | 0.23     | <2       | 26       | 72  |
| C369754            |         | 10       | 1        | 0.01     | <10      | 3.03     | 1010     | <1       | 0.03     | 148      | 340      | <2       | 0.08     | 2        | 2        | 22  |
| C369755            |         | 10       | <1       | 0.05     | <10      | 1.66     | 1080     | 3        | 0.04     | 14       | 580      | <2       | 0.15     | 2        | 5        | 44  |
| C369756            |         | 10       | <1       | <0.01    | <10      | 1.93     | 904      | <1       | 0.03     | 50       | 450      | <2       | 0.22     | 2        | 2        | 20  |
| C369757            |         | 10       | <1       | 0.02     | <10      | 1.71     | 830      | <1       | 0.03     | 64       | 350      | <2       | 0.14     | 3        | 2        | 36  |
| C369758            |         | <10      | 1        | 0.07     | 10       | 0.35     | 291      | <1       | 0.04     | 4        | 320      | <2       | 0.01     | <2       | 1        | 72  |
| C369759            |         | 10       | 1        | 0.10     | <10      | 2.39     | 1460     | <1       | 0.02     | 70       | 740      | 2        | 0.22     | <2       | 11       | 162 |
| C369760            |         | <10      | 1        | 0.02     | <10      | 1.41     | 1100     | <1       | 0.04     | 165      | 220      | <2       | 0.08     | <2       | 5        | 80  |
| C369761            |         | 20       | 2        | 0.01     | <10      | 3.33     | 1665     | <1       | 0.03     | 62       | 740      | <2       | 0.02     | <2       | 23       | 57  |
| C369762            |         | 10       | <1       | 0.02     | <10      | 2.11     | 927      | <1       | 0.02     | 71       | 440      | <2       | 0.29     | <2       | 4        | 35  |
| C369763            |         | 10       | 1        | 0.01     | <10      | 3.30     | 1640     | <1       | 0.02     | 88       | 680      | <2       | 0.07     | 5        | 3        | 18  |
| C369764            |         | 20       | <1       | 0.03     | <10      | 2.82     | 1650     | <1       | 0.02     | 43       | 800      | <2       | 0.10     | 3        | 18       | 41  |
| C369765            |         | <10      | <1       | 0.05     | 10       | 0.10     | 419      | <1       | 0.04     | 7        | 490      | 14       | 0.68     | 4        | 1        | 49  |
| C369766            |         | 20       | 1        | 0.03     | 10       | 1.72     | 1840     | <1       | 0.03     | 31       | 900      | <2       | 0.09     | 2        | 27       | 115 |
| C369767            |         | <10      | <1       | 0.07     | 10       | 0.07     | 313      | <1       | 0.05     | 2        | 340      | <2       | 0.01     | 3        | 1        | 32  |



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Total # Pages: 3 (A - C)

Finalized Date: 2-SEP-2008

Account: RRR

Project: OFF LAKE-404-7

## CERTIFICATE OF ANALYSIS TB08119997

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41 | ME-ICP41 |           |
|--------------------|-----------------------------------|-----------|----------|-----------|----------|----------|----------|-----------|
|                    |                                   | Th<br>ppm | Ti<br>%  | Ti<br>ppm | U<br>ppm | V<br>ppm | W<br>ppm | Zn<br>ppm |
|                    |                                   | 20        | 0.01     | 10        | 10       | 1        | 10       | 2         |
| C369801            |                                   | <20       | 0.03     | <10       | <10      | 58       | <10      | 44        |
| C369802            |                                   | <20       | 0.22     | <10       | <10      | 104      | <10      | 108       |
| C369803            |                                   | <20       | 0.28     | <10       | <10      | 159      | <10      | 33        |
| C369804            |                                   | <20       | 0.21     | <10       | <10      | 149      | <10      | 112       |
| C369805            |                                   | <20       | 0.16     | <10       | <10      | 249      | <10      | 164       |
| C369806            |                                   | <20       | 0.28     | <10       | <10      | 179      | <10      | 74        |
| C369807            |                                   | <20       | 0.42     | <10       | <10      | 261      | <10      | 26        |
| C369808            |                                   | <20       | 0.03     | <10       | <10      | 13       | <10      | <2        |
| C369809            |                                   | <20       | 0.01     | <10       | <10      | 152      | <10      | 109       |
| C369810            |                                   | <20       | 0.38     | <10       | <10      | 205      | <10      | 166       |
| C369811            |                                   | <20       | 0.43     | <10       | <10      | 190      | <10      | 100       |
| C369812            |                                   | <20       | 0.01     | <10       | <10      | 6        | <10      | 16        |
| C369813            |                                   | <20       | 0.25     | <10       | <10      | 151      | <10      | 109       |
| C369814            |                                   | <20       | 0.47     | <10       | <10      | 202      | <10      | 117       |
| C369815            |                                   | <20       | 0.40     | <10       | <10      | 151      | <10      | 114       |
| C369816            |                                   | <20       | 0.42     | <10       | <10      | 217      | <10      | 163       |
| C369817            |                                   | <20       | 0.02     | <10       | <10      | 343      | <10      | 157       |
| C369818            |                                   | <20       | 0.18     | <10       | <10      | 54       | <10      | 32        |
| C369819            |                                   | <20       | 0.08     | <10       | <10      | 25       | <10      | 43        |
| C369820            |                                   | <20       | 0.09     | <10       | <10      | 23       | <10      | 39        |
| C369821            |                                   | <20       | 0.20     | <10       | <10      | 118      | <10      | 48        |
| C369822            |                                   | <20       | 0.25     | <10       | <10      | 111      | <10      | 49        |
| C369823            |                                   | <20       | 0.04     | <10       | <10      | 31       | <10      | 38        |
| C369751            |                                   | <20       | 0.02     | <10       | <10      | 4        | <10      | 17        |
| C369752            |                                   | <20       | 0.27     | <10       | <10      | 149      | <10      | 98        |
| C369753            |                                   | <20       | 0.10     | <10       | <10      | 267      | <10      | 120       |
| C369754            |                                   | <20       | 0.20     | <10       | <10      | 104      | <10      | 91        |
| C369755            |                                   | <20       | 0.33     | <10       | <10      | 161      | <10      | 75        |
| C369756            |                                   | <20       | 0.33     | <10       | <10      | 104      | <10      | 87        |
| C369757            |                                   | <20       | 0.30     | <10       | <10      | 91       | <10      | 77        |
| C369758            |                                   | <20       | 0.01     | <10       | <10      | 6        | <10      | 42        |
| C369759            |                                   | <20       | 0.01     | <10       | <10      | 159      | <10      | 155       |
| C369760            |                                   | <20       | 0.15     | <10       | <10      | 90       | <10      | 52        |
| C369761            |                                   | <20       | 0.07     | <10       | <10      | 288      | <10      | 162       |
| C369762            |                                   | <20       | 0.22     | <10       | <10      | 111      | <10      | 84        |
| C369763            |                                   | <20       | 0.37     | <10       | <10      | 214      | <10      | 180       |
| C369764            |                                   | <20       | 0.22     | <10       | <10      | 354      | <10      | 162       |
| C369765            |                                   | <20       | 0.01     | <10       | <10      | 8        | <10      | 38        |
| C369766            |                                   | <20       | 0.08     | <10       | <10      | 341      | <10      | 155       |
| C369767            |                                   | <20       | <0.01    | <10       | <10      | 6        | <10      | 29        |



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 Account: RRR

Project: OFF LAKE-404-7

**CERTIFICATE OF ANALYSIS TB08119997**

| Method<br>Analyte<br>Units<br>LOR | WEI-21<br>Recvd Wt.<br>kg | Au-AA23<br>Au<br>ppm | ME-ICP41<br>Ag<br>ppm | ME-ICP41<br>Al<br>% | ME-ICP41<br>As<br>ppm | ME-ICP41<br>B<br>ppm | ME-ICP41<br>Ba<br>ppm | ME-ICP41<br>Be<br>ppm | ME-ICP41<br>Bi<br>ppm | ME-ICP41<br>Ca<br>% | ME-ICP41<br>Cd<br>ppm | ME-ICP41<br>Co<br>ppm | ME-ICP41<br>Cr<br>ppm | ME-ICP41<br>Cu<br>ppm | ME-ICP41<br>Fe<br>% |
|-----------------------------------|---------------------------|----------------------|-----------------------|---------------------|-----------------------|----------------------|-----------------------|-----------------------|-----------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|
| <b>Sample Description</b>         | 0.02                      | 0.005                | 0.2                   | 0.01                | 2                     | 10                   | 10                    | 0.5                   | 2                     | 0.01                | 0.5                   | 1                     | 1                     | 1                     | 0.01                |
| C369768                           | 0.99                      | <0.005               | <0.2                  | 3.45                | 6                     | <10                  | 10                    | <0.5                  | <2                    | 4.39                | <0.5                  | 36                    | 55                    | 206                   | 6.63                |
| C369769                           | 1.07                      | <0.005               | <0.2                  | 0.46                | 2                     | <10                  | 50                    | <0.5                  | <2                    | 1.76                | <0.5                  | 3                     | 5                     | 135                   | 0.83                |
| C369770                           | 1.03                      | <0.005               | 0.2                   | 3.54                | 6                     | <10                  | 10                    | <0.5                  | <2                    | 1.82                | <0.5                  | 42                    | 66                    | 179                   | 5.93                |
| C369771                           | 1.51                      | <0.005               | 0.3                   | 4.23                | 4                     | <10                  | 10                    | <0.5                  | <2                    | 1.58                | <0.5                  | 43                    | 40                    | 220                   | 8.15                |
| C369772                           | 1.39                      | <0.005               | <0.2                  | 4.31                | 3                     | <10                  | 10                    | <0.5                  | <2                    | 2.26                | <0.5                  | 43                    | 15                    | 153                   | 7.80                |
| C369773                           | 1.03                      | <0.005               | <0.2                  | 0.70                | <2                    | <10                  | 120                   | <0.5                  | <2                    | 0.31                | <0.5                  | 5                     | 10                    | 6                     | 1.08                |
| C369774                           | 1.30                      | <0.005               | <0.2                  | 0.51                | 3                     | <10                  | 60                    | <0.5                  | <2                    | 0.26                | <0.5                  | 3                     | 7                     | 8                     | 0.74                |
| C369775                           | 1.06                      | <0.005               | <0.2                  | 0.45                | 2                     | <10                  | 40                    | <0.5                  | <2                    | 0.25                | <0.5                  | 2                     | 8                     | 33                    | 0.57                |
| C369776                           | 1.21                      | 0.012                | <0.2                  | 0.41                | 2                     | <10                  | 50                    | <0.5                  | <2                    | 0.16                | <0.5                  | 2                     | 7                     | 4                     | 0.59                |



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 Account: RRR

Project: OFF LAKE-404-7

**CERTIFICATE OF ANALYSIS TB08119997**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  |           |
|--------------------|-----------------------------------|-----------|-----------|----------|-----------|----------|-----------|-----------|----------|-----------|----------|-----------|----------|-----------|-----------|-----------|
|                    |                                   | Ga<br>ppm | Hg<br>ppm | K<br>%   | La<br>ppm | Mg<br>%  | Mn<br>ppm | Mo<br>ppm | Na<br>%  | Ni<br>ppm | P<br>ppm | Pb<br>ppm | S<br>%   | Sb<br>ppm | Sc<br>ppm | Sr<br>ppm |
|                    |                                   | 10        | 1         | 0.01     | 10        | 0.01     | 5         | 1         | 0.01     | 1         | 10       | 2         | 0.01     | 2         | 1         |           |
| C369768            |                                   | 10        | <1        | 0.03     | <10       | 1.99     | 1195      | <1        | 0.03     | 59        | 430      | <2        | 0.11     | <2        | 4         | 37        |
| C369769            |                                   | <10       | <1        | 0.13     | 10        | 0.22     | 292       | <1        | 0.03     | 3         | 380      | 4         | 0.07     | 3         | 1         | 109       |
| C369770            |                                   | 10        | <1        | 0.01     | <10       | 2.51     | 980       | <1        | 0.02     | 109       | 370      | <2        | 0.28     | 4         | 2         | 28        |
| C369771            |                                   | 10        | 2         | 0.01     | <10       | 2.51     | 1235      | <1        | 0.02     | 55        | 520      | <2        | 0.28     | 4         | 4         | 31        |
| C369772            |                                   | 10        | <1        | <0.01    | <10       | 2.84     | 1270      | <1        | 0.02     | 58        | 490      | <2        | 0.13     | 4         | 2         | 46        |
| C369773            |                                   | <10       | <1        | 0.34     | 10        | 0.44     | 210       | <1        | 0.04     | 6         | 360      | <2        | 0.01     | <2        | 1         | 55        |
| C369774            |                                   | <10       | <1        | 0.14     | 10        | 0.25     | 179       | <1        | 0.04     | 3         | 210      | 2         | 0.01     | 3         | 1         | 43        |
| C369775            |                                   | <10       | <1        | 0.07     | <10       | 0.20     | 114       | <1        | 0.04     | 1         | 250      | 2         | 0.01     | 2         | <1        | 66        |
| C369776            |                                   | <10       | <1        | 0.11     | 10        | 0.16     | 196       | <1        | 0.04     | 2         | 210      | <2        | 0.01     | 3         | <1        | 32        |



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 Account: RRR

Project: OFF LAKE-404-7

**CERTIFICATE OF ANALYSIS TB08119997**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41  |
|--------------------|-----------------------------------|-----------|----------|-----------|----------|----------|----------|-----------|
|                    |                                   | Th<br>ppm | Ti<br>%  | Tl<br>ppm | U<br>ppm | V<br>ppm | W<br>ppm | Zn<br>ppm |
|                    |                                   | 20        | 0.01     | 10        | 10       | 1        | 10       | 2         |
| C369768            |                                   | <20       | 0.27     | <10       | <10      | 154      | <10      | 97        |
| C369769            |                                   | <20       | 0.04     | <10       | <10      | 6        | <10      | 33        |
| C369770            |                                   | <20       | 0.24     | <10       | <10      | 96       | <10      | 75        |
| C369771            |                                   | <20       | 0.37     | <10       | <10      | 154      | <10      | 126       |
| C369772            |                                   | <20       | 0.31     | <10       | <10      | 132      | <10      | 110       |
| C369773            |                                   | <20       | 0.09     | <10       | <10      | 22       | <10      | 43        |
| C369774            |                                   | <20       | 0.05     | <10       | <10      | 10       | <10      | 39        |
| C369775            |                                   | <20       | 0.04     | <10       | <10      | 7        | <10      | 31        |
| C369776            |                                   | <20       | 0.03     | <10       | <10      | 6        | <10      | 30        |



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Finalized Date: 12-SEP-2008

Account: RRR

## CERTIFICATE TB08122085

Project: OFF-LAKE-404-3

P.O. No.:

This report is for 6 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 3-SEP-2008.

The following have access to data associated with this certificate:

CJ BAKER

NELSON BAKER

ALLEN RAOUL

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION                   |
|----------|-------------------------------|
| FND-02   | Find Sample for Addn Analysis |

## ANALYTICAL PROCEDURES

| ALS CODE  | DESCRIPTION           | INSTRUMENT |
|-----------|-----------------------|------------|
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES    |

To: RAINY RIVER RESOURCES LTD.  
 ATTN: ALLEN RAOUL  
 P.O.BOX 5, 48 MARION STREET  
 ECHO LAKES ESTATE  
 EMO ON P0W 1E0

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager





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Account: RRR

Project: OFF-LAKE-404-3

**CERTIFICATE OF ANALYSIS TB08122085**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | PGM-ICP23          | PGM-ICP23          | PGM-ICP23          |
|--------------------|-----------------------------------|--------------------|--------------------|--------------------|
|                    |                                   | Au<br>ppm<br>0.001 | Pt<br>ppm<br>0.005 | Pd<br>ppm<br>0.001 |
| C369828            |                                   | <0.001             | 0.006              | 0.006              |
| C369829            |                                   | <0.001             | 0.006              | 0.006              |
| C369830            |                                   | 0.001              | 0.009              | 0.008              |
| C369831            |                                   | 0.001              | 0.010              | 0.015              |
| C369832            |                                   | <0.001             | <0.005             | 0.001              |
| C369833            |                                   | 0.001              | <0.005             | 0.001              |



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Finalized Date: 13-SEP-2008

Account: RRR

## CERTIFICATE TB08122082

Project: OFF LAKE-HWY 404

P.O. No.:

This report is for 7 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 3-SEP-2008.

The following have access to data associated with this certificate:

CJ BAKER

NELSON BAKER

ALLEN RAOUL

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION                   |
|----------|-------------------------------|
| FND-02   | Find Sample for Addn Analysis |

## ANALYTICAL PROCEDURES

| ALS CODE  | DESCRIPTION           | INSTRUMENT |
|-----------|-----------------------|------------|
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES    |

To: RAINY RIVER RESOURCES LTD.

ATTN: ALLEN RAOUL

P.O.BOX 5, 48 MARION STREET

ECHO LAKES ESTATE

EMO ON P0W 1E0

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Project: OFF LAKE-HWY 404

## CERTIFICATE OF ANALYSIS TB08122082

| Sample Description | Method<br>Analyte<br>Units<br>LOR | PGM-ICP23 | PGM-ICP23 | PGM-ICP23 |
|--------------------|-----------------------------------|-----------|-----------|-----------|
|                    |                                   | Au        | Pt        | Pd        |
|                    |                                   | ppm       | ppm       | ppm       |
|                    |                                   | 0.001     | 0.005     | 0.001     |
| C369507            |                                   | 0.049     | <0.005    | 0.011     |
| C369508            |                                   | 0.021     | 0.005     | 0.007     |
| C369509            |                                   | 0.016     | <0.005    | 0.003     |
| C369510            |                                   | 0.004     | <0.005    | 0.004     |
| C369511            |                                   | 0.011     | 0.010     | 0.010     |
| C369522            |                                   | 0.003     | 0.011     | 0.013     |
| C369527            |                                   | 0.013     | 0.015     | 0.014     |



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Page: 1  
Finalized Date: 13-SEP-2008  
Account: RRR

## CERTIFICATE TB08122084

Project: OFF LAKE-404-2

P.O. No.:

This report is for 28 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 3-SEP-2008.

The following have access to data associated with this certificate:

CJ BAKER

NELSON BAKER

ALLEN RAOUL

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION                   |
|----------|-------------------------------|
| FND-02   | Find Sample for Addn Analysis |

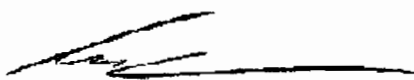
## ANALYTICAL PROCEDURES

| ALS CODE  | DESCRIPTION           | INSTRUMENT |
|-----------|-----------------------|------------|
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES    |

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Signature:

  
Colin Ramshaw, Vancouver Laboratory Manager



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Project: OFF LAKE-404-2

## CERTIFICATE OF ANALYSIS TB08122084

| Sample Description | Method<br>Analyte<br>Units<br>LOR | PGM-ICP23 | PGM-ICP23 | PGM-ICP23 |
|--------------------|-----------------------------------|-----------|-----------|-----------|
|                    |                                   | Au        | Pt        | Pd        |
|                    |                                   | ppm       | ppm       | ppm       |
|                    |                                   | 0.001     | 0.005     | 0.001     |
| C369668            |                                   | <0.001    | <0.005    | <0.001    |
| C369669            |                                   | <0.001    | <0.005    | <0.001    |
| C369670            |                                   | 0.016     | <0.005    | <0.001    |
| C369671            |                                   | 0.024     | 0.014     | 0.011     |
| C369677            |                                   | <0.001    | <0.005    | 0.002     |
| C369682            |                                   | 0.002     | <0.005    | 0.001     |
| C369683            |                                   | 0.004     | <0.005    | <0.001    |
| C369684            |                                   | <0.001    | <0.005    | 0.001     |
| C369685            |                                   | 0.001     | <0.005    | <0.001    |
| C369687            |                                   | 0.016     | <0.005    | <0.001    |
| C369688            |                                   | 0.001     | 0.007     | 0.002     |
| C369689            |                                   | <0.001    | <0.005    | <0.001    |
| C369690            |                                   | 0.011     | <0.005    | <0.001    |
| C369692            |                                   | 0.001     | 0.008     | 0.003     |
| C369697            |                                   | 0.006     | 0.005     | <0.001    |
| C369698            |                                   | 0.011     | <0.005    | 0.001     |
| C369699            |                                   | 0.003     | 0.010     | 0.009     |
| C369700            |                                   | <0.001    | <0.005    | 0.001     |
| C369702            |                                   | 0.002     | 0.015     | 0.010     |
| C369703            |                                   | 0.003     | <0.005    | <0.001    |
| C369704            |                                   | 0.001     | <0.005    | <0.001    |
| C369705            |                                   | 0.006     | <0.005    | <0.001    |
| C369706            |                                   | 0.002     | <0.005    | 0.001     |
| C369707            |                                   | 0.003     | 0.015     | 0.013     |
| C369708            |                                   | 0.001     | <0.005    | 0.002     |
| C369709            |                                   | <0.001    | <0.005    | 0.002     |
| C369710            |                                   | <0.001    | <0.005    | <0.001    |
| C369713            |                                   | 0.007     | <0.005    | <0.001    |



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Finalized Date: 15-SEP-2008

Account: RRR

## CERTIFICATE TB08122083

Project: OFF LAKE-404-2

P.O. No.:

This report is for 28 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 3-SEP-2008.

The following have access to data associated with this certificate:

CJ BAKER

NELSON BAKER

ALLEN RAOUL

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION                   |
|----------|-------------------------------|
| FND-02   | Find Sample for Addn Analysis |

## ANALYTICAL PROCEDURES

| ALS CODE  | DESCRIPTION           | INSTRUMENT |
|-----------|-----------------------|------------|
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES    |

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Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Project: OFF LAKE-404-2

**CERTIFICATE OF ANALYSIS TB08122083**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | PGM-ICP23          | PGM-ICP23          | PGM-ICP23          |
|--------------------|-----------------------------------|--------------------|--------------------|--------------------|
|                    |                                   | Au<br>ppm<br>0.001 | Pt<br>ppm<br>0.005 | Pd<br>ppm<br>0.001 |
| C369610            |                                   | 0.001              | 0.016              | 0.013              |
| C369614            |                                   | 0.002              | 0.020              | 0.023              |
| C369615            |                                   | 0.028              | 0.011              | 0.014              |
| C369616            |                                   | 0.004              | 0.008              | <0.001             |
| C369617            |                                   | 0.001              | <0.005             | <0.001             |
| C369619            |                                   | 0.001              | <0.005             | <0.001             |
| C369620            |                                   | <0.001             | <0.005             | 0.001              |
| C369621            |                                   | 0.002              | <0.005             | <0.001             |
| C369622            |                                   | 0.001              | <0.005             | <0.001             |
| C369625            |                                   | 0.001              | <0.005             | <0.001             |
| C369626            |                                   | 0.001              | <0.005             | 0.001              |
| C369627            |                                   | <0.001             | <0.005             | <0.001             |
| C369628            |                                   | <0.001             | <0.005             | <0.001             |
| C369629            |                                   | 0.001              | 0.006              | 0.005              |
| C369630            |                                   | <0.001             | <0.005             | <0.001             |
| C369632            |                                   | <0.001             | 0.007              | 0.010              |
| C369638            |                                   | 0.006              | 0.007              | 0.006              |
| C369639            |                                   | 0.003              | 0.006              | 0.003              |
| C369640            |                                   | 0.001              | <0.005             | 0.005              |
| C369641            |                                   | 0.001              | <0.005             | 0.005              |
| C369642            |                                   | 0.001              | 0.005              | 0.002              |
| C369649            |                                   | 0.001              | 0.009              | 0.004              |
| C369650            |                                   | 0.002              | 0.005              | 0.010              |
| C369573            |                                   | <0.001             | <0.005             | <0.001             |
| C369591            |                                   | <0.001             | <0.005             | 0.001              |
| C369592            |                                   | <0.001             | <0.005             | 0.001              |
| C369596            |                                   | 0.001              | <0.005             | 0.001              |
| C369598            |                                   | <0.001             | <0.005             | 0.001              |



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Finalized Date: 17-SEP-2008  
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## CERTIFICATE TB08127452

Project: OFF LAKE-JV

P.O. No.:

This report is for 32 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 8-SEP-2008.

The following have access to data associated with this certificate:

CJ BAKER  
NELSON BAKER

NELSON BAKER  
ALLEN RAOUL

CJ BAKER

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION                    |
|----------|--------------------------------|
| WEI-21   | Received Sample Weight         |
| LOG-22   | Sample login - Rcd w/o BarCode |
| CRU-31   | Fine crushing - 70% <2mm       |
| CRU-QC   | Crushing QC Test               |
| PUL-QC   | Pulverizing QC Test            |
| SPL-21   | Split sample - riffle splitter |
| PUL-31   | Pulverize split to 85% <75 um  |
| DRY-21   | High Temperature Drying        |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION                   | INSTRUMENT |
|----------|-------------------------------|------------|
| Au-AA23  | Au 30g FA-AA finish           | AAS        |
| Au-GRA21 | Au 30g FA-GRAV finish         | WST-SIM    |
| ME-ICP41 | 35 Element Aqua Regia ICP-AES | ICP-AES    |

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Signature:

Colin Ramshaw, Vancouver Laboratory Manager





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Project: OFF LAKE-JV

**CERTIFICATE OF ANALYSIS TB08127452**

| Sample Description | Method Analyte Units LOR | WEI-21       | Au-AA23 | Au-GRA21 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |        |
|--------------------|--------------------------|--------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Recvd Wt. kg | Au ppm  | Au ppm   | Ag ppm   | Al %     | As ppm   | B ppm    | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm |
|                    |                          | 0.02         | 0.005   | 0.05     | 0.2      | 0.01     | 2        | 10       | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1      |
| G143979            |                          | 1.64         | 0.011   |          | 1.0      | 2.98     | 12       | <10      | 150      | <0.5     | 2        | 1.40     | <0.5     | 48       | 39       | 232    |
| G143980            |                          | 1.31         | <0.005  |          | 0.5      | 0.82     | <2       | <10      | 10       | <0.5     | 2        | 1.09     | <0.5     | 36       | 72       | 218    |
| G143981            |                          | 1.19         | >10.0   | 12.50    | 74.7     | 0.11     | <2       | <10      | 20       | <0.5     | 63       | 0.02     | <0.5     | 4        | 7        | 144    |
| G143982            |                          | 0.61         | 0.350   |          | 1.9      | 0.27     | <2       | <10      | 40       | <0.5     | 5        | 0.29     | <0.5     | 31       | 33       | 43     |
| G143983            |                          | 1.03         | 1.250   |          | 12.4     | 0.20     | <2       | <10      | 30       | <0.5     | 14       | 3.33     | <0.5     | 13       | 6        | 2910   |
| G143984            |                          | 1.00         | 0.010   |          | 0.2      | 1.84     | <2       | <10      | 40       | <0.5     | 2        | 5.44     | <0.5     | 27       | 98       | 13     |
| G143985            |                          | 0.92         | 0.929   |          | 13.0     | 0.12     | <2       | <10      | 10       | <0.5     | 15       | 0.54     | <0.5     | 6        | 8        | 3630   |
| H417847            |                          | 3.81         | 0.008   |          | 0.3      | 2.98     | 2        | <10      | 10       | <0.5     | 2        | 1.54     | 1.7      | 54       | 95       | 322    |
| H417848            |                          | 5.16         | 0.040   |          | 0.5      | 2.70     | <2       | <10      | 20       | <0.5     | 2        | 0.53     | 6.4      | 108      | 76       | 828    |
| H417849            |                          | 3.91         | 0.009   |          | 0.7      | 2.26     | <2       | <10      | 30       | <0.5     | 2        | 0.36     | 5.1      | 147      | 76       | 1160   |
| H417850            |                          | 5.47         | 0.011   |          | 0.3      | 1.93     | <2       | <10      | 10       | <0.5     | <2       | 1.05     | 0.7      | 40       | 57       | 382    |
| H417851            |                          | 5.81         | 0.034   |          | 0.5      | 2.84     | <2       | <10      | 30       | <0.5     | 5        | 0.24     | 5.3      | 93       | 91       | 1070   |
| H417852            |                          | 5.18         | 0.027   |          | 0.7      | 2.07     | <2       | <10      | 30       | <0.5     | 3        | 0.45     | 8.1      | 120      | 65       | 918    |
| H417853            |                          | 4.15         | <0.005  |          | 0.3      | 1.90     | <2       | <10      | 10       | <0.5     | 2        | 1.52     | <0.5     | 25       | 50       | 160    |
| H417854            |                          | 4.57         | <0.005  |          | 0.4      | 2.67     | 2        | <10      | 10       | <0.5     | 3        | 1.42     | <0.5     | 38       | 82       | 190    |
| H417855            |                          | 4.42         | 0.022   |          | 2.9      | 2.11     | <2       | <10      | 30       | <0.5     | 2        | 0.30     | 3.7      | 93       | 74       | 817    |
| H417856            |                          | 6.23         | 0.010   |          | 2.5      | 1.92     | 2        | <10      | 20       | <0.5     | 2        | 0.53     | 8.4      | 92       | 75       | 1140   |
| H417857            |                          | 4.92         | <0.005  |          | 0.4      | 2.54     | 3        | <10      | 10       | <0.5     | <2       | 1.43     | 0.5      | 31       | 59       | 166    |
| H417858            |                          | 5.39         | <0.005  |          | 0.3      | 2.37     | <2       | <10      | 10       | <0.5     | 2        | 1.28     | <0.5     | 29       | 58       | 149    |
| H417859            |                          | 4.38         | <0.005  |          | 0.2      | 2.25     | 2        | <10      | 10       | <0.5     | <2       | 1.50     | <0.5     | 30       | 58       | 139    |
| H417860            |                          | 3.09         | 0.025   |          | 0.9      | 1.23     | <2       | <10      | 20       | <0.5     | 3        | 0.27     | 8.9      | 110      | 42       | 1520   |
| H417861            |                          | 4.32         | 0.026   |          | 0.5      | 2.32     | <2       | <10      | 20       | <0.5     | 3        | 0.43     | 4.7      | 121      | 84       | 1110   |
| H417862            |                          | 2.01         | 0.026   |          | 0.6      | 2.54     | <2       | <10      | 20       | <0.5     | 3        | 0.37     | 3.7      | 90       | 89       | 907    |
| H417863            |                          | 2.35         | 0.005   |          | 0.6      | 1.85     | 2        | <10      | 10       | <0.5     | <2       | 0.78     | <0.5     | 58       | 64       | 484    |
| H417864            |                          | 4.74         | 0.012   |          | 1.0      | 1.69     | 2        | <10      | 30       | <0.5     | 3        | 0.38     | 11.0     | 146      | 70       | 2050   |
| H417865            |                          | 4.29         | 0.025   |          | 0.5      | 2.48     | <2       | <10      | 10       | <0.5     | 2        | 0.40     | 4.8      | 101      | 89       | 990    |
| H417866            |                          | 2.84         | <0.005  |          | <0.2     | 2.85     | <2       | <10      | 10       | <0.5     | 2        | 1.14     | <0.5     | 44       | 91       | 268    |
| H417867            |                          | 6.03         | <0.005  |          | 0.2      | 2.48     | 2        | <10      | <10      | <0.5     | 2        | 1.22     | <0.5     | 26       | 44       | 149    |
| H417868            |                          | 4.68         | 0.043   |          | 0.6      | 2.11     | <2       | <10      | 20       | <0.5     | 3        | 0.37     | 5.9      | 132      | 72       | 1420   |
| H417869            |                          | 3.42         | 0.010   |          | 1.0      | 1.48     | <2       | <10      | 10       | <0.5     | 3        | 0.65     | 1.3      | 113      | 59       | 2090   |
| H417870            |                          | 4.16         | 0.011   |          | 0.4      | 1.53     | 2        | <10      | 20       | <0.5     | 4        | 0.34     | 21.3     | 141      | 60       | 793    |
| H417871            |                          | 4.22         | <0.005  |          | <0.2     | 2.21     | 2        | <10      | 10       | <0.5     | <2       | 1.05     | <0.5     | 28       | 50       | 114    |



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Project: OFF LAKE-JV

**CERTIFICATE OF ANALYSIS TB08127452**

| Sample Description | Method Analyte Units LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |        |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Fe %     | Ga ppm   | Hg ppm   | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm |
|                    |                          | 0.01     | 10       | 1        | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 2        | 1      |
| G143979            |                          | 8.54     | 10       | <1       | 0.35     | 10       | 1.72     | 647      | <1       | 0.08     | 42       | 1220     | 6        | 1.94     | 2        | 11     |
| G143980            |                          | 5.29     | <10      | <1       | 0.04     | <10      | 0.64     | 99       | <1       | 0.10     | 26       | 720      | 7        | 1.08     | <2       | 6      |
| G143981            |                          | 2.67     | <10      | <1       | 0.11     | 10       | 0.02     | 30       | <1       | 0.03     | 9        | 70       | 138      | 1.17     | <2       | <1     |
| G143982            |                          | 5.61     | <10      | <1       | 0.12     | 20       | 0.14     | 1510     | <1       | 0.01     | 78       | 570      | 13       | 1.63     | <2       | 8      |
| G143983            |                          | 4.50     | <10      | <1       | 0.06     | 10       | 1.01     | 1155     | <1       | 0.03     | 52       | 800      | 16       | 1.59     | <2       | 6      |
| G143984            |                          | 4.83     | 10       | <1       | 0.24     | <10      | 4.15     | 1330     | <1       | 0.03     | 101      | 710      | 8        | 0.01     | <2       | 18     |
| G143985            |                          | 2.46     | <10      | <1       | 0.01     | <10      | 0.11     | 249      | <1       | 0.01     | 18       | 70       | 15       | 0.90     | <2       | 1      |
| H417847            |                          | 6.67     | 10       | <1       | 0.07     | <10      | 2.43     | 1065     | <1       | 0.03     | 78       | 370      | 8        | 1.17     | <2       | 6      |
| H417848            |                          | 8.29     | 10       | <1       | 0.12     | <10      | 2.49     | 925      | 1        | <0.01    | 123      | 350      | 13       | 2.57     | <2       | 5      |
| H417849            |                          | 10.40    | 10       | <1       | 0.12     | <10      | 2.18     | 632      | 1        | 0.01     | 192      | 350      | 9        | 5.13     | <2       | 5      |
| H417850            |                          | 4.92     | 10       | <1       | 0.07     | <10      | 1.44     | 589      | <1       | 0.06     | 55       | 320      | 8        | 0.64     | <2       | 6      |
| H417851            |                          | 9.28     | 10       | <1       | 0.12     | 10       | 2.65     | 859      | <1       | <0.01    | 104      | 360      | 13       | 2.11     | <2       | 6      |
| H417852            |                          | 8.21     | 10       | <1       | 0.11     | <10      | 1.75     | 643      | 1        | 0.02     | 157      | 380      | 18       | 3.41     | <2       | 5      |
| H417853            |                          | 3.77     | <10      | <1       | 0.04     | <10      | 1.27     | 511      | 1        | 0.09     | 34       | 300      | 19       | 0.09     | <2       | 7      |
| H417854            |                          | 5.62     | 10       | <1       | 0.04     | <10      | 1.89     | 886      | <1       | 0.08     | 50       | 310      | 22       | 0.18     | <2       | 8      |
| H417855            |                          | 9.52     | 10       | <1       | 0.12     | <10      | 1.76     | 574      | 1        | 0.01     | 113      | 340      | 24       | 3.08     | <2       | 6      |
| H417856            |                          | 7.32     | 10       | <1       | 0.05     | <10      | 1.54     | 572      | 2        | 0.04     | 130      | 380      | 327      | 2.83     | <2       | 6      |
| H417857            |                          | 4.79     | 10       | <1       | 0.03     | <10      | 1.67     | 591      | <1       | 0.06     | 45       | 300      | 44       | 0.14     | <2       | 7      |
| H417858            |                          | 4.42     | 10       | <1       | 0.04     | <10      | 1.54     | 545      | <1       | 0.08     | 42       | 290      | 10       | 0.16     | <2       | 7      |
| H417859            |                          | 4.42     | <10      | <1       | 0.03     | <10      | 1.38     | 552      | 2        | 0.06     | 44       | 310      | 5        | 0.22     | <2       | 7      |
| H417860            |                          | 8.13     | <10      | <1       | 0.08     | <10      | 0.85     | 400      | 1        | 0.01     | 124      | 280      | 17       | 3.59     | <2       | 5      |
| H417861            |                          | 8.14     | 10       | <1       | 0.08     | <10      | 2.13     | 604      | 1        | 0.02     | 144      | 340      | 11       | 3.76     | <2       | 5      |
| H417862            |                          | 7.75     | 10       | <1       | 0.08     | <10      | 2.35     | 650      | 1        | 0.01     | 134      | 370      | 21       | 2.91     | <2       | 5      |
| H417863            |                          | 5.57     | 10       | <1       | 0.05     | <10      | 1.39     | 496      | <1       | 0.06     | 87       | 340      | 13       | 1.81     | <2       | 6      |
| H417864            |                          | 9.05     | 10       | <1       | 0.08     | 10       | 1.38     | 486      | 1        | 0.02     | 177      | 370      | 13       | 4.73     | <2       | 5      |
| H417865            |                          | 7.58     | 10       | <1       | 0.06     | <10      | 2.38     | 673      | <1       | 0.02     | 139      | 350      | 9        | 3.26     | <2       | 6      |
| H417866            |                          | 6.04     | 10       | <1       | 0.04     | <10      | 2.18     | 793      | <1       | 0.04     | 72       | 300      | 10       | 1.06     | <2       | 6      |
| H417867            |                          | 4.18     | <10      | <1       | 0.04     | <10      | 1.70     | 482      | <1       | 0.09     | 47       | 320      | 6        | 0.12     | 2        | 5      |
| H417868            |                          | 8.66     | 10       | <1       | 0.08     | <10      | 1.82     | 560      | 3        | 0.02     | 155      | 340      | 20       | 4.18     | <2       | 6      |
| H417869            |                          | 7.55     | 10       | <1       | 0.06     | 10       | 1.05     | 382      | 2        | 0.05     | 140      | 340      | 8        | 3.61     | <2       | 7      |
| H417870            |                          | 6.53     | 10       | <1       | 0.06     | 10       | 1.26     | 373      | 1        | 0.02     | 171      | 310      | 7        | 3.94     | <2       | 4      |
| H417871            |                          | 3.98     | 10       | <1       | 0.08     | <10      | 1.48     | 486      | <1       | 0.11     | 53       | 310      | 5        | 0.27     | <2       | 6      |



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

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To: RAINY RIVER RESOURCES LTD.

303-1620 WEST 8TH AVENUE

VANCOUVER BC V6J 1V4

Page: 2 - C

Total # Pages: 2 (A - C)

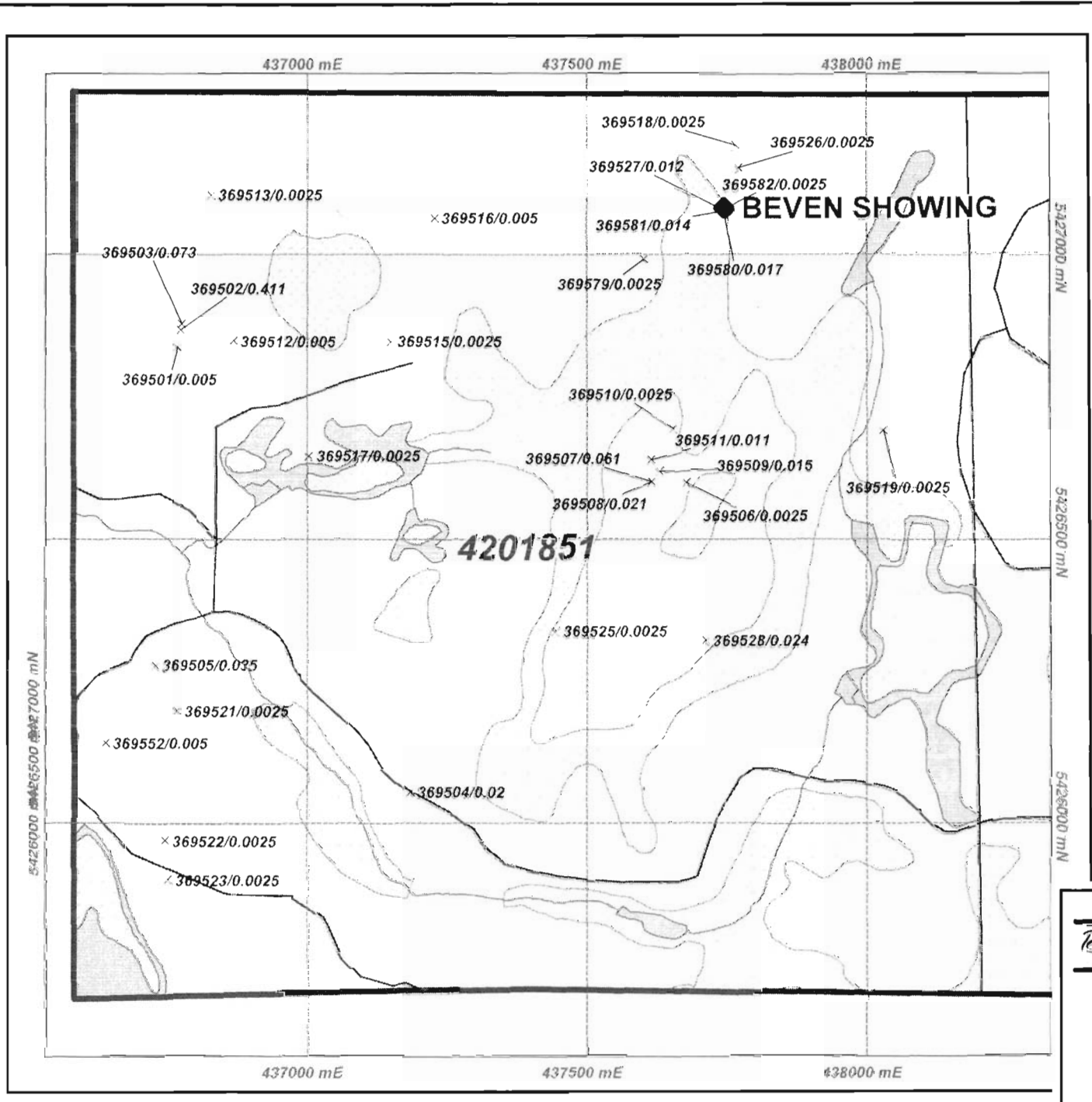
Finalized Date: 17-SEP-2008

Account: RRR

Project: OFF LAKE-JV

## CERTIFICATE OF ANALYSIS TB08127452

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41       | ME-ICP41        | ME-ICP41        | ME-ICP41        | ME-ICP41       | ME-ICP41      | ME-ICP41       |                |
|--------------------|-----------------------------------|----------------|-----------------|-----------------|-----------------|----------------|---------------|----------------|----------------|
|                    |                                   | Sr<br>ppm<br>1 | Th<br>ppm<br>20 | Ti<br>%<br>0.01 | Ti<br>ppm<br>10 | U<br>ppm<br>10 | V<br>ppm<br>1 | W<br>ppm<br>10 | Zn<br>ppm<br>2 |
| G143979            |                                   | 22             | <20             | 0.21            | <10             | <10            | 174           | <10            | 92             |
| G143980            |                                   | 11             | <20             | 0.26            | <10             | <10            | 116           | <10            | 15             |
| G143981            |                                   | 5              | <20             | <0.01           | <10             | <10            | 3             | <10            | 66             |
| G143982            |                                   | 17             | <20             | <0.01           | <10             | <10            | 15            | <10            | 92             |
| G143983            |                                   | 127            | <20             | <0.01           | <10             | <10            | 4             | <10            | 72             |
| G143984            |                                   | 237            | <20             | 0.04            | <10             | <10            | 79            | <10            | 51             |
| G143985            |                                   | 12             | <20             | <0.01           | <10             | <10            | 1             | <10            | 35             |
| H417847            |                                   | 5              | <20             | 0.20            | <10             | <10            | 113           | <10            | 1005           |
| H417848            |                                   | 2              | <20             | 0.17            | <10             | <10            | 76            | <10            | 2420           |
| H417849            |                                   | 2              | <20             | 0.18            | <10             | <10            | 78            | 10             | 2320           |
| H417850            |                                   | 3              | <20             | 0.20            | <10             | <10            | 82            | <10            | 418            |
| H417851            |                                   | 3              | <20             | 0.23            | <10             | <10            | 88            | <10            | 1940           |
| H417852            |                                   | 4              | <20             | 0.19            | <10             | <10            | 65            | 10             | 3340           |
| H417853            |                                   | 12             | <20             | 0.25            | <10             | <10            | 90            | <10            | 99             |
| H417854            |                                   | 8              | <20             | 0.24            | <10             | <10            | 131           | <10            | 165            |
| H417855            |                                   | 4              | <20             | 0.29            | <10             | <10            | 75            | <10            | 1340           |
| H417856            |                                   | 4              | <20             | 0.19            | <10             | <10            | 94            | <10            | 2640           |
| H417857            |                                   | 12             | <20             | 0.25            | <10             | <10            | 93            | <10            | 189            |
| H417858            |                                   | 10             | <20             | 0.23            | <10             | <10            | 92            | <10            | 79             |
| H417859            |                                   | 13             | <20             | 0.24            | <10             | <10            | 91            | <10            | 77             |
| H417860            |                                   | 4              | <20             | 0.18            | <10             | <10            | 47            | 10             | 3430           |
| H417861            |                                   | 3              | <20             | 0.23            | <10             | <10            | 94            | <10            | 1955           |
| H417862            |                                   | 4              | <20             | 0.24            | <10             | <10            | 103           | <10            | 1610           |
| H417863            |                                   | 6              | <20             | 0.21            | <10             | <10            | 81            | <10            | 174            |
| H417864            |                                   | 3              | <20             | 0.20            | <10             | <10            | 68            | 10             | 4290           |
| H417865            |                                   | 2              | <20             | 0.21            | <10             | <10            | 113           | <10            | 2290           |
| H417866            |                                   | 6              | <20             | 0.23            | <10             | <10            | 115           | <10            | 186            |
| H417867            |                                   | 7              | <20             | 0.17            | <10             | <10            | 83            | <10            | 72             |
| H417868            |                                   | 3              | <20             | 0.17            | <10             | <10            | 79            | 10             | 2330           |
| H417869            |                                   | 4              | <20             | 0.19            | <10             | <10            | 80            | <10            | 542            |
| H417870            |                                   | 2              | <20             | 0.15            | <10             | <10            | 65            | 10             | 5180           |
| H417871            |                                   | 7              | <20             | 0.18            | <10             | <10            | 73            | <10            | 92             |



**LEGEND**

- ◆ Beven Showing
- × Sample (collected by Stares)
- Road, Trail
- ▒ Lake
- Wetland

Scale: 1:10,000

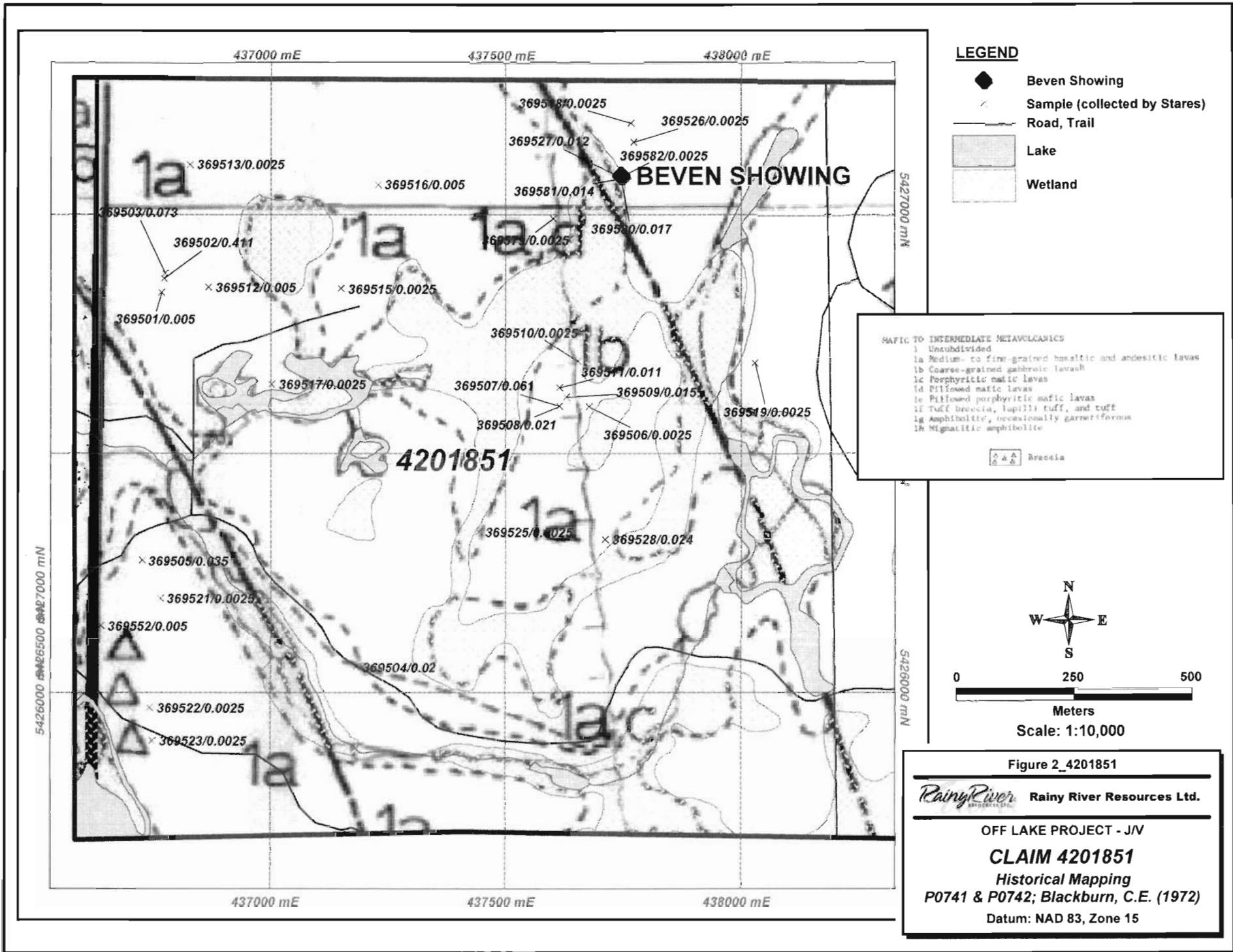
Figure 1\_4201851

*Rainy River Resources Ltd.* Rainy River Resources Ltd.

OFF LAKE PROJECT - J/V

**CLAIM 4201851**  
**2008 Sampling**

Datum: NAD 83, Zone 15



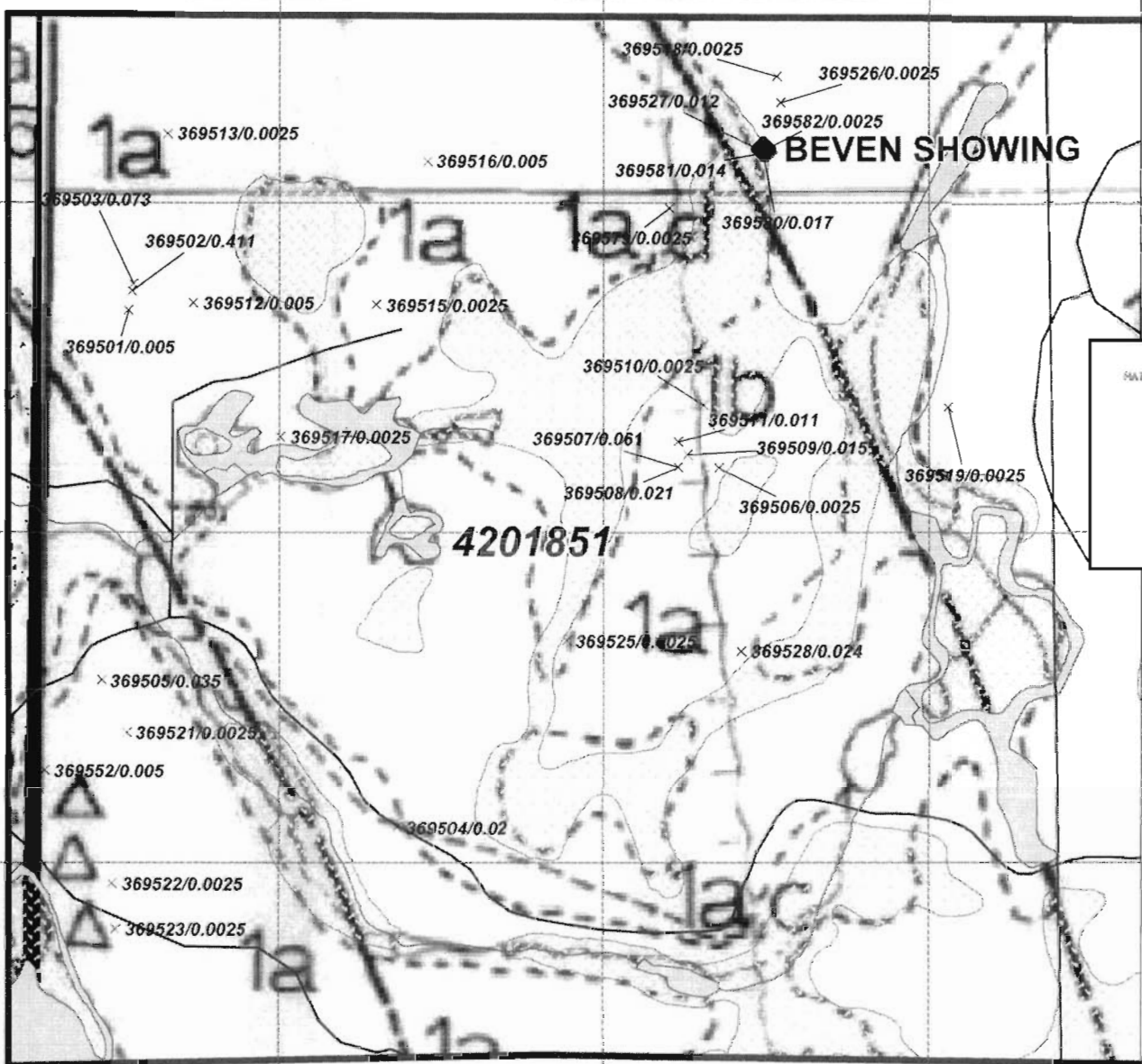
437000 mE

437500 mE

438000 mE

**LEGEND**

- ◆ Beven Showing
- × Sample (collected by Stares)
- Road, Trail
- ▭ Lake
- ▭ Wetland



5427000 mN

5426000 mN

4201851

**MAFIC TO INTERMEDIATE METAVOLCANICS**

- 1 Unsubdivided
- 1a Medium- to fine-grained basaltic and andesitic lavas
- 1b Coarse-grained gabbroic lavash
- 1c Porphyritic mafic lavas
- 1d Pillowed mafic lavas
- 1e Pillowed porphyritic mafic lavas
- 1f Tuff breccia, lapilli tuff, and tuff
- 1g Amphibolite, occasionally garnetiferous
- 1h Migmatitic amphibolite

▲▲▲ Breccia



Meters  
Scale: 1:10,000

Figure 2\_4201851

**Rainy River Resources Ltd.**

OFF LAKE PROJECT - JV

**CLAIM 4201851**

Historical Mapping

P0741 & P0742; Blackburn, C.E. (1972)

Datum: NAD 83, Zone 15

437000 mE

437500 mE

438000 mE