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Ministry of Energy, Mines & Petroleum Resources
Mining & Minerals Division
BC Geological Survey

ASSESSMENT REPORT
TITLE PAGE AND SUMMARY

TITLE OF REPORT [type of survey(s)]: ICE RIVER 2007-2008 Assessment Report

TOTAL COST: $816,788.20

AUTHOR(S): Jarrod A. Brown, P.Geo. SIGNATURE(S):

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):

YEAR OF WORK: 2007, 2008

STATEMENT OF WORK - CASH PAYMENT EVENT NUMBER(S)/DATE(S): 4228153 July 22, 2008; 4241591 Oct 15, 2008

PROPERTY NAME: ICE RIVER

CLAIM NAME(S) (on which work was done): 504464, 516361, 516358, 524099, 576018, 516233, 516355, 504463, 534311, 575644, 575641

COMMODITIES SOUGHT: Pb, Zn, Ag, Cu, Au, REE

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: Minfile 082N 025, 26, 27, 28

MINING DIVISION: Golden NTS: 082N 019

LATITUDE 51 ° 10 ' " LONGITUDE 116 ° 23 ' " (at centre of work)

OWNER(S)
1) Eagle Plains Resources Ltd. 2)

MAILING ADDRESS
Suite 200 16-11th Ave S.
Cranbrook, B.C., V1C 2P1

OPERATOR(S) [who paid for the work]
1) Eagle Plains Resources Ltd. 2)

MAILING ADDRESS
Suite 200 16-11th Ave S.
Cranbrook, B.C., V1C 2P1

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
ICE RIVER Complex, Upper Cambrian, Devonian, Alkaline Intrusion, Jacupirangite, Ijolite, Urtite, Carbonatite, Syenite, Zeolite, Hornfels, Fenitization, Siliceous Limestone, Pyrite, Arsenopyrite, sphalerite, galena, Ilmenite, Magnetite, Sodalite

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: Assessment Report 3433, 20207, 28187, 29013

(OVER)

APPENDIX I – STATEMENT OF QUALIFICATIONS

I, Jarrod A. Brown of 6660-A Harrop-Procter Road, in the city of Nelson in the Province of British Columbia hereby certify that:

1) I am a Professional Geoscientist registered with the Association of Professional Engineers and Geoscientists of British Columbia (#29239).

2) I am a graduate of the University of Manitoba with the degree of Master of Science in Geology (2001).

3) I am a graduate of Simon Fraser University with the degree of Bachelor of Science in Physical Geography (1997).

4) I have practiced my profession in North America since 1998, having worked for various Junior Resource Companies and government surveys.

5) This report is based upon a personal examination of all available company and government reports pertinent to the subject property, and upon fieldwork undertaken on the property in August of 2005, 2006 and 2007.

6) I hold an option to purchase 100,000 Common Shares each of Eagle Plains and Copper Canyon at $0.70 per share.

Dated this 22th day of October 2008 in Nelson, British Columbia.

Jarrod A. Brown, P. Geo.

GEOLOGICAL and GEOCHEMICAL and DIAMOND DRILLING REPORT

On 2007-2008 field activities

at the

ICE RIVER PROPERTY
Waterloo Prospect area
Golden Mining Division
Mapsheet 82N/01W

Center of Work
Latitude 51° 10' N, Longitude 116°23'W

Prepared for:

BOOTLEG EXPLORATION LTD.
Suite 200, 16-11th Ave. S.
Cranbrook, B.C. V1C 2P1

By

Jarrod A. Brown, M.Sc., P.Geo.
6660-A Harrop-Procter Road
Nelson, BC V1L 6R1

October 22, 2008
Updated: July 14, 2009

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SUMMARY

The Ice River property is located within the Golden Mining Division at Latitude 51° 11' 30” N, Longitude 116° 22' 00” W. The property is situated 45 km east of Golden, B.C. and is currently accessed by helicopter. Forest Service roads reach to within 5km of property boundaries. The property consists of 11 MTO mineral claims totaling 2169 Ha, and is located entirely within NTS mapsheet 082N/01W.

The tenure area strategically lies along the eastern boundary of the Ice River Complex. The Complex is one of the largest and best preserved alkaline ijolite/syenite/carbonatite complexes in the world. As such, it has been the focus of several projects from both economic and academic perspectives. Within the 29 square kilometre Complex, two distinct suites are present: an early, rhythmically layered, feldspar-free intrusion of jacupirangite, ijolite and urtite, cored by a carbonatite plug and crosscut by carbonatite dykes rich in mafic silicates and oxides; and a later zoned and crosscutting syenitic series, associated with a zeolite and feldspar-bearing carbonatite. The alkaline rocks intruded Cambrian and Ordovician shales and carbonates of the Chancellor, Ottertail and McKay Formations. Contact metamorphism of the enclosing sedimentary rocks resulted in the formation of hornfels and skarns. Some limited soda metasomatism also occurred. The complex and its host rocks were deformed and subjected to low-grade regional metamorphism during the Columbian orogeny.

The original focus of past workers was with strataform massive sulphides of the Waterloo prospect, the extensive nepheline syenite and the presence of ornamental sodalite. Currie (1975) published a comprehensive 1: 25000 map of the Ice River Complex and surrounding host rock. It remains an invaluable guiding document, aiding in the understanding of, and distribution of the most prospective units. Work since 2005 has demonstrated that much more mapping detail is required to fully evaluate the economic potential of the property area.

Work by Eagle Plains Resources over the last 3 field seasons represents the first detailed and comprehensive exploration of the property area. This most recent work included detailed prospecting, mapping and rock sampling, along with soil and stream silt geochemistry. The 2006 geochemical program proved to be highly successful in being able to delineate REE and Nb mineralized dyke systems. Detailed mapping in the vicinity of the Waterloo base metal showing, also positively identified stratigraphic and structural features that control sulfide mineralization there. The limited 2007 drill program verified this geological assessment by successfully intersecting a sulfide bearing stock-work zone, located 120 metres along strike west of the known workings.

A number of other commodities are being passively explored for on the property. Those which show some promise include 1) (nepheline) syenite as a source of ceramic grade feldspathic minerals, 2) sodalite syenite as a source of semi-precious gemstones or aggregate, and 3) a wide variety of intrusive phases of the Ice River complex which could be used as dimension stone. Despite the complex structural history of the area, felsic and mafic phases of the complex are remarkably undeformed and could readily be developed into a range of attractive building products.

In terms of recommendations, the latest fieldwork and geochemical programs carried out successfully determined a number of rock type hosts to REE and Nb +- Zr+-Hf mineralization. Subsequent field programs should be devoted to the collection of samples for petrographic study for the purposes of identifying the mineral carrier of these elements. Field identification of the REE minerals has proven to

be very difficult as most samples comprise fine bands, wisps and disseminations of very fine orange, brown and black amorphous mineralization, generally obscured by a strong Fe-Mn overprint.

A number of days should be spent following up the latest rock and soil analytical results along the north and east flanks of Buttress Peak and north of the Waterloo showing area. New work should include a series of traverses in the south bowl and beyond, into newly staked (2008) territory as far as Mount Mollison. The northern limit of the property, along the southeast flank of Sentry peak, also requires detailed prospecting and mapping. Systematic stream sediment sampling should be done in both areas, with upwards of 50 sample stations. Another 5 line-kilometres of soil sampling is recommended, along four contours to the south of the current soil grid, at least as far as the main creek draining the south bowl. At 25 metre spacing, this would require approximately 200 samples. Time and budget permitting, contour soil sampling should continue further south across the creek with a western limit of the tree line, and an east limit of approximately 1 kilometre from the IRC contact.

At the Waterloo showing, base metal mineralization should be followed-up using geophysical methods. The massive to semimasive nature of the mineralization should be amenable to both EM and magnetic surveys. Small pods of sulfide mineralization have been observed at several other localities. This includes late veins of massive pyrrhotite associated with fenite and carbonatite in the zeolite altered units of the Ice River Complex, as well as conformable bands of disseminated galena and sphalerite hosted in hard altered limestone. It is suspected that the latter occur proximal to sub-unit stratigraphic contacts in the limestone, especially in close proximity to dykes and sills of syenite and/or lamprophyre; as such, these associations should be carefully assessed during future field programs both by mapping/prospecting and by geochemical means.

Total 2007-2008 exploration expenditures by Eagle Plains Resources on the Ice River property was $ 216 095.44.

LOCATION AND ACCESS

The Ice River property is located within the Golden Mining Division, on NTS mapsheet 82N/1W at Latitude 51° 10' N, Longitude 116° 23' W (Figure 1). It is located within the headwaters of Moose Creek, occupying the western side of the valley. Moose Creek drains southward to the Beaverfoot Valley, which flows northwestward to the Kicking Horse River . The property is situated 45 km east of Golden, B.C. and is currently accessed by helicopter. Forest Service roads reach to within 5km of property boundaries.

The property is located from elevation 1760 to 2800m, and consists of primary subalpine scrub vegetation and talus. Lower elevations are forest-covered, with mature spruce and pine dominating.

The climate is dominated by prevailing moist westerly winds from the Pacific Ocean. Occasionally, drier continental weather patterns extend over the region. Generally, summers are short and cool, with occasional hot spells, while winters are long and snowy. Annual precipitation in the adjacent Kootenay National Park ranges from less than 380 mm at lower elevations to over 1250 mm at higher elevations. In valley bottoms, average January highs are -7°C, while July highs average 22°C. Average temperatures decrease by about 0.5°C for every 100 m of elevation gain.

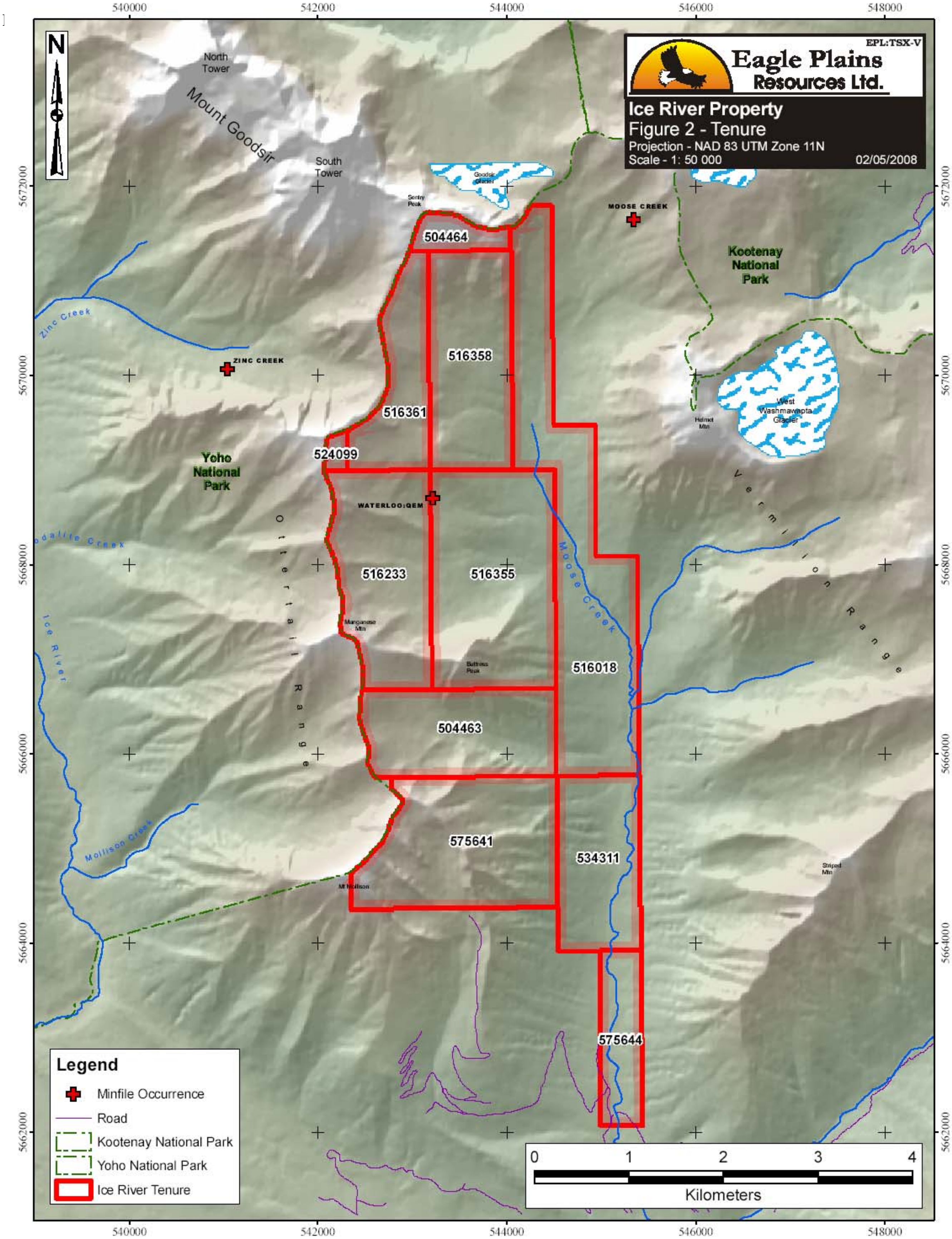

140°0'0"W
130°0'0"W
120°0'0"W
60°0'0"N
50°0'0"N
Eagle Plains Resources Ltd.
EPL:TSX-V
Ice River Property
Figure 1 - Property Location
Projection - NAD 83 UTM Zone 11N
Scale - 1: 7 500 000
01/03/2007
Ross River
Yukon Territory
Northwest Territories
Alaska
British Columbia
Alberta
Smithers
Terrace
Prince Rupert
Prince George
Bella Coola
Ice River Property
Golden
Kamloops
Kelowna
Vancouver
Hope
Castlegar
Nelson
Cranbrook
Creston
Grand Forks
Victoria
Pacific Ocean
Washington
Idaho
N
0
125
250
375
500
Kilometers

TENURE

The property consists of 11 MTO mineral claims totaling 2169 Ha, located within NTS mapsheet 082N/01W, and is entirely within 1:20000 mapsheet 082N.019 (Figure 2). The area is approximately 45 kilometres east of Golden, B.C. The claims are owned 100% by Eagle Plains Resources Ltd. and carry no underlying encumbrances.

Table I: Mineral Titles Report

Tenure Number	Project	Good to Date	NTS Sheet	Mining Division	Area (Ha)	Owner
504463	ICE RIVER	15/11/2011	082N01	GOLDEN	203	Eagle Plains Resources 100%
504464	ICE RIVER	15/11/2011	082N01	GOLDEN	61	Eagle Plains Resources 100%
516018	ICE RIVER	15/11/2011	082N01	GOLDEN	385	Eagle Plains Resources 100%
516233	ICE RIVER	15/11/2011	082N01	GOLDEN	284	Eagle Plains Resources 100%
516355	ICE RIVER	15/11/2011	082N01	GOLDEN	304	Eagle Plains Resources 100%
516358	ICE RIVER	15/11/2011	082N01	GOLDEN	203	Eagle Plains Resources 100%
516361	ICE RIVER	15/11/2011	082N01	GOLDEN	182	Eagle Plains Resources 100%
524099	ICE RIVER	15/11/2011	082N01	GOLDEN	20	Eagle Plains Resources 100%
534311	ICE RIVER	15/11/2011	082N01	GOLDEN	162	Eagle Plains Resources 100%
575641	ICE RIVER	08/02/2009	082N01	GOLDEN	284	Eagle Plains Resources 100%
575644	ICE RIVER	08/02/2009	082N01	GOLDEN	81	Eagle Plains Resources 100%
Total					2169	


Eagle Plains Resources Ltd.
EPL:TSX-V
Ice River Property
Figure 2 - Tenure
Projection - NAD 83 UTM Zone 11N
Scale - 1: 50 000
02/05/2008
Mount Goodsir
North Tower
South Tower
Yoho National Park
Kootenay National Park
Otterail Range
Vermilion Range
Moose Creek
Zinc Creek
Ice River
Mollison Creek
ZINC CREEK
MOOSE CREEK
WATERLOO:QEM
504464
516358
516361
524099
516233
516355
516018
504463
575641
534311
575644
Legend
Minfile Occurrence
Road
Kootenay National Park
Yoho National Park
Ice River Tenure
0 1 2 3 4
Kilometers
540000
542000
544000
546000
548000
5672000
5670000
5668000
5666000
5664000
5662000

HISTORY AND PREVIOUS WORK

The Ice River group of claims overlies a sequence of rocks that has seen geologic investigation since the early 1900s. This is due to both the unique geological and geochemical characteristics of the area, and the considerable economic potential located there. Various groups have completed programs in the area, first described in 1914 by J.A. Allan in GSC Memoir No. 55, Map 142A. Albany Oil and Gas in 1971 staked the Bow 1-49 claims, which cover most of the area now underlain by the Ice River tenures. Their work consisted of evaluating the property for a number of commodities, including titaniferous magnetite, uranium, columbium/niobium, and sodalite. Cominco Ltd. investigated the Moose Creek area in 1971 (Webber and MacKean, 1971).

In the late 1980's to early 1990's the property was revisited for its sodalite potential (Addie, 1990). The area is of great interest to mineral collectors primarily for sodalite, and also for a wide variety of rare minerals associated with alkaline complexes (http://www.mindat.org/loc-475.html).

In 1993, the headwaters of the Moose Creek basin were acquired by Magtite Mineral Ltd. and restaked as the Kim and Gust claims. The initial focus of work was to test the potential of industrial quality titaniferous magnetite and ilmenite (Termuende, 1998; Butrenchuck, 2001). Results included a rough resource calculation and brief notes on the distribution of sodalite on the property.

The Ice River Complex is one of the largest and best preserved alkaline ijolite/syenite/carbonatite complexes in the world. As such, it has been the focus of several projects from both economic and academic perspectives. Over the decades since its discovery, several competing theories have been presented to explain its derivation, evolution, and emplacement. Many details remain speculative or controversial. In particular, little work on the metallogenesis of the complex has been reported.

Allan (1914) originally mapped the central core carbonate units as limestone inclusions. Allan's work was revised and updated by Currie (1975) after Rapson (1963) argued for the presence of an igneous carbonatite body. Gussow (1977) supported Allan's interpretation that the crystalline limestone masses of the complex are recrystallized and remobilized limestone. He went further to suggest that the entire complex is actually a Precambrian basement complex brought to the surface in two thrust sheets, comprising nepheline and sodalite syenite, paragneiss and crystalline limestones. These arguments were made despite the prevailing body of knowledge supporting igneous derivation and emplacement, supported by textural evidence (Currie, 1975), differentiation trends (Campbell, 1961) and Devonian K-Ar mica dates (Baadsgaard, 1961; Rapson 1963). Parrish et al., (1987) proposed an age of 368+-4 Ma for the complex, based on a synthesis of dating techniques, including U-Pb dating of zircon and sphene, Rb-Sr analysis of various minerals, and $^{40}Ar/^{39}Ar$ age spectrum on hornblende. He acknowledged that all isotopic systems are disturbed. Locock (1994) discussed the metamorphic conditions that affected these and other isotopic systems, and provided a concordant U-Pb age date of 356+-6 Ma.

Questions are ongoing regarding the petrogenetic evolution of the complex. Currie (1975), and Locock (1994) concluded that the complex was emplaced mainly as sill-like bodies and subordinate dykes and plugs. The diverse array of rock types were derived from a single magma pulse, ultimately affected by various combinations of fractional crystallization, and silicate/carbonate and silicate/silicate immiscibility. Work done by Peterson (1983) agreed with Currie's petrologic subdivisions, but brought into question the role of liquid immiscibility and specifics of emplacement.

Peterson and Currie (1994) provided evidence to suggest that the ijolite and nepheline syenite were derived from separate magma batches, but that the evolution of the igneous system is complex because of variable degrees of incorporation of country rock. They also suggested that metasomatic activity may provide possible mechanisms for the formation of some of the rock types in the complex, particularly the units rich in zeolites. They concluded that it is difficult to explain the complex shape and distribution of the units of the Ice River Complex while envisioning a single source pluton of simple shape.

History of work by Eagle Plains Resources

The northern half of the current tenure was staked by Eagle Plains Resources in October of 2003. Work commenced in 2005 and included reconnaissance rock geochemical sampling and prospecting of talus and outcrop in the cirques and valleys east of the Yoho National park boundary (Brown, 2006). Two persons spent five days exploring alpine and subalpine areas north and east of the ridges delimitated by Buttress Peak west to Manganese Mountain, and Manganese Mountain north to the minor peak between Zinc Mountain and Sentry Peak.

Traverses in the property area successfully located or verified mineral potential for the semiprecious gemstone sodalite, dimension stone (syenite, and alkaline mafic intrusive rock), and industrial or rare metals including titanium, niobium, zirconium and a variety of rare earth elements (REEs). Many occurrences of zeolite mineralization/ alteration were also noted throughout the property area, both as large euhedral vug filling masses, and as microscopic alteration of syenite as mapped by Currie (1975). Massive sulfide mineralization at the Waterloo showing comprises structurally controlled and replacement mineralization, with 2005 outcrop samples containing up to several percent lead and zinc, greater than 6500 ppm copper, 1200 ppb gold, and above detection limit silver (>100 ppm) (Brown, 2006). Total expenditures for the 2005 program were $19,186.51.

The 2006 Bootleg Exploration program (Brown, 2007) consisted of four components: i) Detailed stratigraphic and structural mapping of country rock in the vicinity of the Waterloo Zn-Pb-Ag showing; ii) property-scale geology mapping of the circ east and north of the divides defined by Zinc Mountain, Manganese Mountain and Buttress Peak; iii) lithogeochemical and contour soil geochemical sampling within areas iⅈ and iv) stream, silt and heavy mineral sampling of Moose Creek and tributaries.

The geologic mapping at the Waterloo showing area identified a significant sub-unit lithological contact within the Ottertail Formation, and a swarm of lamprophyre (ultramafic diatreme) and syenite dykes and a dominant WNW trending, tight fold system. Mapping of the cirque below Zinc and Manganese mountains provided greater detail of the distribution of the zoned syenite and layered mafic intrusions of the Ice River complex. Mapping also revealed the presence of two previously unreported zones rich in sodalite syenite. One such zone coincides with a multi-element soil geochemical anomaly (Zn, Pb, Li, Mo, Y, and Ba and spot high to extreme Cu, La, and Nb). Total expenditures for the 2006 program were $40,015.81.

Two field programs were carried out at the Ice River property during the 2007 field season.

1) July 11 to July 19 fieldwork included 2 helicopter supported camps for the purposes of prospecting, soil geochemical sampling, and follow-up of 2006 geochemical anomalies. Twelve man-days were spent soil sampling and prospecting, mostly to south of the camp along the east flank of Buttress Peak. An additional twenty-three man-days were spent soil sampling, prospecting and mapping the upper benches from Sodalite circ to the 2800m elevation marker on the south flank of Sentry peak.

2) A program of diamond drilling at the Waterloo Showing was completed between August 15th and August 19th, 2007. The program was helicopter supported with personnel housed in Golden, BC. Field and drilling crews rotated on 12 hour shifts, supported by two daily flights out of Golden. Concurrent to

the drilling program, 6 man-days were spent prospecting and sampling the ridge lines and the northern and southernmost bowls below Sentry peak and south of Buttress peak respectively.

A total of 77 rock samples were collected for analysis, and approximately 2000 lbs. of sodalite syenite boulders and hand specimens were flown out by sling. The soil and silt geochemical sampling program included 156 soil samples, and 3 silt samples. Total 2007 expenditures were $198,395.13.

REGIONAL GEOLOGY

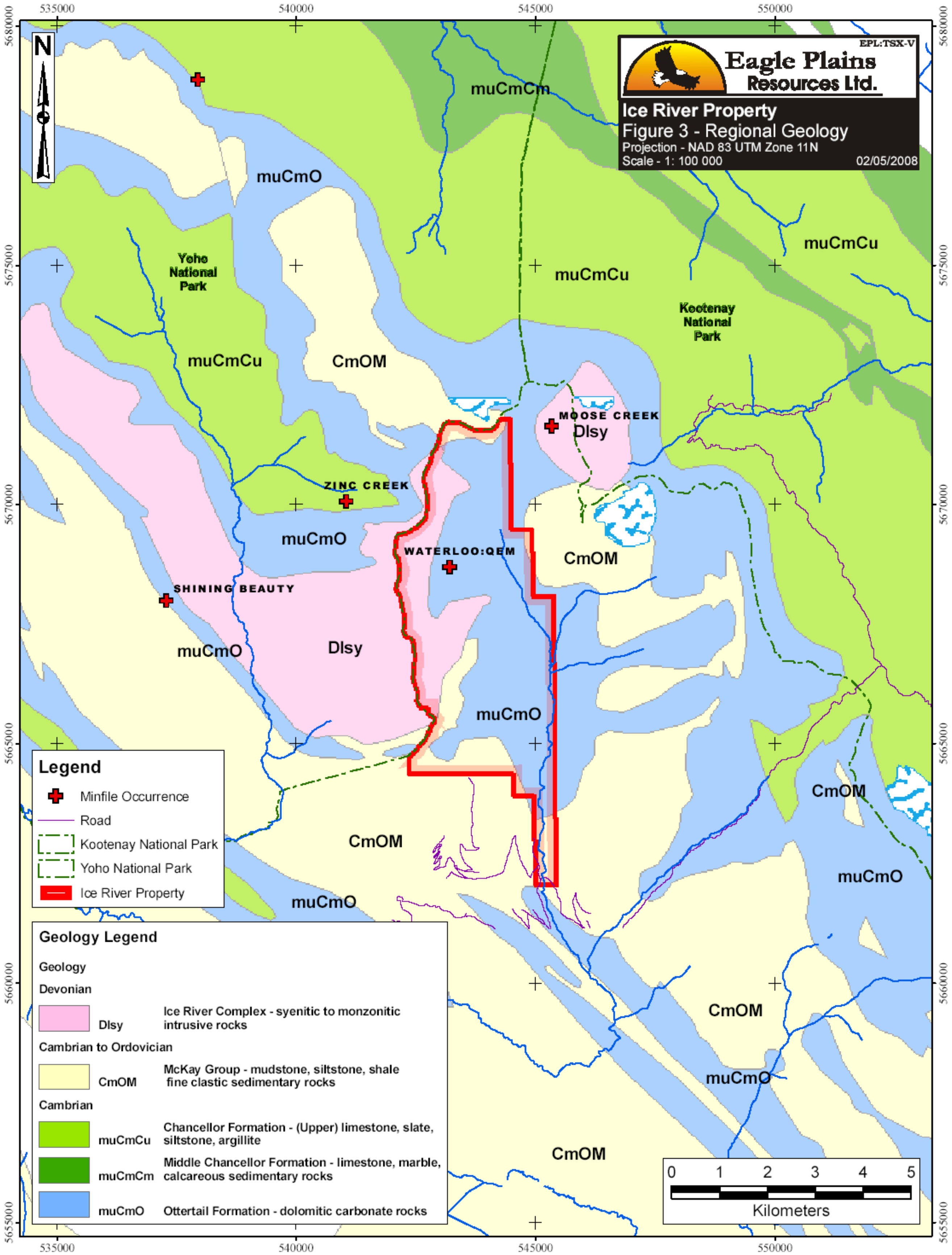
The Ice River Complex (IRC) is a large, J-shaped alkaline intrusion, approximately 18 kilometres in length with a total exposure of 29 square kilometres (Figure 3). Within the complex, two distinct suites are present: an early, rhythmically layered, feldspar-free intrusion of jacupirangite, ijolite and urtite, cored by a carbonatite plug and crosscut by carbonatite dykes rich in mafic silicates and oxides; and a later zoned and crosscutting syenitic series, associated with a zeolite and feldspar-bearing carbonatite. The alkaline rocks intruded Cambrian and Ordovician shales and carbonates of the Chancellor, Ottertail and McKay Formations. The following unit descriptions are derived mainly from Currie (1975):

Country Rock

The oldest country rock in the area consists of sheared argillaceous rocks of the Upper Cambrian *Chancellor Formation* (Unit 1). The lowest parts of the formation comprise grayish calcareous shales or argillites, sometimes showing phyllitic parting, whereas upper lithologies are dominated by reddish slate interbedded with dolomite or siliceous limestone (Currie, 1975). In the Ice River Valley, a succession more than 600m thick is exposed. No exposures have been documented in the Moose Creek drainage area. Macroscopically there is a sharp contact between the Chancellor Formation and the overlying Ottertail limestone; however, lithologies consistent with one formation are noted to interbed in the adjacent one, suggesting a conformable gradational contact at a local scale.

The overlying *Ottertail Formation* (Unit 2) consists of essentially massive limestone with some intercalated shaly beds near the base. On a fresh surface the rock displays a blue-grey shade, weathering to pale grey. This unit is the most common throughout the map area, and may obtains thicknesses greater than 500m (Currie, 1975). The unit is almost pure carbonate, with only minor insoluable constituents including argillaceous material and lesser quartz. Towards the top of the formation, lithologies exhibit a characteristic olive shade, with a transition from massive cliff-forming limestone to sharply angular blocks. This physical variation demarcates a transition to the overlying McKay Group.

The *McKay Group* (Unit 3) exposed in the Ice River area is characterized by alternating bands of slate, siliceous slate, siliceous limestone, and dolomite. The colour is commonly olive to brownish, with distinct colour striping, as on Striped Mountain southeast of the area. The unit forms a capping on the ranges of the Ice River, and is thus thickest at higher elevations. Currie (1975) calculated a true thickness of exposure on top of Mt. Goodsir to a minimum of 1035 m. Another large but thin exposure exists on Eagle Ridge and parts of Mt. Mollison, where it appears to form a narrow synclinal core in the Ottertail Formation. Fossil evidence suggests an Ordovician age for the top of the Group, and a Late Cambrian age for the base (Aitken and Norford, 1967).


Eagle Plains Resources Ltd.
EPL:TSX-V
Ice River Property
Figure 3 - Regional Geology
Projection - NAD 83 UTM Zone 11N
Scale - 1: 100 000
02/05/2008
Yoho National Park
Kootenay National Park
MOOSE CREEK
ZINC CREEK
WATERLOO:QEM
SHINING BEAUTY
muCmCm
muCmO
muCmCu
CmOM
Dlsy
Legend
Minfile Occurrence
Road
Kootenay National Park
Yoho National Park
Ice River Property
Geology Legend
Geology
Devonian
Dlsy
Ice River Complex - syenitic to monzonitic intrusive rocks
Cambrian to Ordovician
CmOM
McKay Group - mudstone, siltstone, shale fine clastic sedimentary rocks
Cambrian
muCmCu
Chancellor Formation - (Upper) limestone, slate, siltstone, argillite
muCmCm
Middle Chancellor Formation - limestone, marble, calcareous sedimentary rocks
muCmO
Ottertail Formation - dolomitic carbonate rocks
0 1 2 3 4 5
Kilometers
535000
540000
545000
550000
5680000
5675000
5670000
5665000
5660000
5655000

Layered Mafic Intrusion (units 5-9)

The lowermost units of the Ice River Complex are characterized as mafic mesocratic to melanocratic rocks, with a general lack of feldspar, and a poorly to moderately developed layered structure. Five units were recognized and described by Currie (1975): jacupirangite, mela-ijolite, melanite ijolite, ijolite, and urtite. In general, the units are coarse grained with a high proportion of euhedral to subhedral crystals, but textures of the mafic complex are highly variable comprising significant numbers of veins, schlieren and pegmatitic patches. The general pattern of layering consists of a repetitive sequence of graded layers 10-200 m thick, with each layer becoming richer in nepheline towards the top.

The *jacupirangite* (unit 5) is a brown- and green-weathering ultramafic rock having granular and gneissic textures. White carbonate and/or syenitic veining is common. Rocks of the unit are high density with a panidiomorphic texture comprising grains averaging more than 5mm in length. Pyroxene and magnetite are primary constituents, with lesser honey coloured sphene and minor patches of phlogopite flakes. Nepheline and apatite are common minor to trace constituents.

The *mela-ijolite* (unit 6) has a distinctive fine-grained bluish matrix, and contains abundant mica in the form of large euhedral books up to 10 cm across. Pyroxene is the most abundant constituent with lesser nepheline as rounded or scalloped grains approaching a cubic form. Sphene is moderately abundant. Apatite is present, but in lesser volumes in comparison to the jacupirangite.

The *melanite ijolite* (unit 7) exhibits a typical ijolite texture (subequal amounts of cubic nepheline enclosed in stubby laths of pyroxene). Melanite, a black titanium-rich garnet, commonly comprises 5-15% of the volume. The unit is characterized by coarse to pegmatitic grain sizes, with greenish grey nepheline surrounded by greenish black pyroxene. Biotite forms as a minor constituent rimming pyroxene and less commonly as fine disseminations. Apatite is common as sizable euhedra. Sphene occurs rarely and is lesser brown than in the mela-ijolite. Alteration of nepheline to carbonate, natrolite, cancrinite and/or sericite is much more widespread than in the more mafic units.

The *ijolite* (unit 8) is recognized as the largest component of the layered igneous complex, and is characterized as mesocratic to melanocratic in appearance with generally greenish tones, in comparison to the bluish-black tones of the more mafic units. Large scale textures are the most variable of all the mafic units; and may include coxcomb textures, megapoikolitic areas, pegmatitic schlieren and porphyritic textures, and others. Composition is essentially equal proportions of nepheline and pyroxene, with accessory sphene and apatite, and trace biotite and opaques.

Rocks of the *urtite* (unit 9) were identified by Currie (1975) on the basis of nepheline content (>65%) and lack of the typical ijolite or 'buckshot' texture. In hand specimen the urtite is leucocratic with a pale greenish or grayish colour, punctuated by clots of greenish black pyroxene. The texture is always coarse grained with common fissile or schistose textures due to the elongation of pyroxene or presence of oriented wollastonite. Mafic minerals are commonly poikilitic at fine to coarse scale. Kaersutite and melanite are found occasionally, as is small amounts of anhedral, interstitial albite. This is the only unit of the layered mafic complex that contains primary feldspar. Other trace minerals, also coarse grained, include sphene, apatite and calcite. The urtite unit is believed to represent the end member differentiation product of the mafic layered complex, which culminated in a leucocratic nepheline-rich rock. However, the unit shows an impoverishment of Zr, Nb and REE's compared to the ijolites and syenites of the zoned complex, suggesting that these elements may have been siphoned off elsewhere as residual differentiates (Currie, 1975).

Carbonatite (unit 10)

A 400 m wide intrusive carbonate unit in the northwestern part of the complex occurs as a lenticular mass with occasional apparent layering. Smaller dykes and sills are also evident throughout the complex crosscutting the mafic layered complex, but are clearly crosscut by the later zoned syenite complex. In outcrop, purer carbonatite tends to be buff or reddish brown with a rounded ropy surface. More silicate-rich rocks tend to have a dark greenish appearance, with pronounced fluidal banding. Vugs and solution cavities are prevalent throughout. Composition is >50% carbonate – heavy hand samples suggest high Fe content (Currie, 1975). Crystal faces of the carbonate are always present, and commonly exceed 5 mm in length. Minor minerals include iron-stained to black phlogopitic mica, acmitic pyroxene, and lesser apatite and pyrite. Rare alkali feldspars are interpreted as xenoliths. Margins commonly exhibit skarn-like mineral assemblages including apple green diopside, sprays of white tremolite, epidote and chlorite. Sodalite was observed as veins within the carbonatite, but no disseminations were noted. Anastomosing leucocratic veins are also common in the carbonatite masses, containing abundant natrolite and dark margins of the Fe-serpentine, berthierine (Peterson and Currie, 1994).

Zoned syenite complex (units 11-15)

The syenitic complex as mapped by Currie (1975) comprises 5 units including unit 11) Saturated syenite and contact breccia, 12) Melanocratic syenitic agmatite and migmatite, 13) Leucocratic grey nepheline syenite, 14) Sodalite-nepheline syenite, and 15) Altered zeolite-rich syenite. In simplest terms, the syenite complex is envisioned as an inwardly crystallized mass of feldspar-nepheline-rich rocks, comprising a saturated (contaminated) border zone, and evolution from melanocratic syenites to progressively lighter coloured feldspar-sodalite-zeolite enriched lithologies.

The *contact breccia syenite* (unit 11) is characterized as a white to pale grey, fine-grained, commonly porphyritic syenite, which forms a discontinuous rim varying from a few centimetres up to 200 m in width. In outcrop, it is a drab whitish colour with abundant plate-like crystals of albite, which reveal a distinctive tracery of white lines. Inclusions of all sizes, shapes and compositions are common. Both alkali and plagioclase feldspars are present, commonly comprising more than 75% of rock volume. Pyroxene is the most common mafic mineral, with common but subordinate epidote and Na-rich amphiboles. Minor minerals include: sphene, commonly partially replaced by ilmenite; analcite, commonly intergrown with thompsonite, natrolite and calcite. Calcite may also be common, and associated with nepheline.

The *melanocratic syenite* (unit 12) comprises mesocratic to melanocratic rocks with variable agmatitc and migmatitic textures. In had specimen the rocks are characterized by large amphibole euhedra and bluish-grey alkali feldspar with good crystal faces but with form variations from near equant grains in more mafic lithologies to elongated laths in the more salic rocks. Alkali feldspar, nepheline and sodalite are virtually always present, with the nepheline vs. feldspar ratio generally higher in the darker lithologies. Kaersutite is very characteristic of this unit, and is closely associated with late pyroxene of aegirinic affinity. Biotite is present in the more mafic rocks, as rimming alteration of pyroxene, and more rarely as chains of small euhedra parallel to foliation defined by alignment of pyroxene and amphibole. Sphene and apatite are the most common accessory minerals.

The *leucocratic grey nepheline syenite* (unit 13) is white to pale grey in outcrop and is readily identifiable as smooth non-weathered cliff forming outcrops. Compared to the melanocratic syenite, rocks of this unit are much more homogeneous and free of inclusions. Many examples have a slight greenish tinge, others show a strong gneissic texture. The previous unit grades continuously into this unit, and is conspicuous by a low content of coarse-grained euhedral mafics which may include hedenbergitic pyroxene, aegirine, kaersutite, hastinsite and biotite. Intensely jade green to opaque aegirine is perhaps quite common, as is poikilitic amphibole. Feldspar is typically up to several centimetres in length as tabular and aligned prisms. Nepheline is less common in this unit than in the darker syenites, rarely exceeding 20%. It typically formed rounded and corroded grains with square or hexagonal cross-section, and is invariably rimmed with cancrinite. Sodalite is commonly associated with nepheline, and may locally exceed nepheline in volume. The sodalite occurs both as overgrowths on nepheline and as individual interstitial grains. It has been noted by previous workers, that intensely blue sodalite is commonly associated with pyrite cubes. Sphene is invariably present, but apatite occurrences are more rare. Sr and Ba contents are among the highest observed in the Ice River Complex, but Nb and rare-earth contents are lower than in the older units (Currie, 1975).

The *sodalite-nepheline syenite* (unit 14) is widely distributed throughout the Ice River complex, but is volumetrically insignificant. Most of the rocks from this unit are coarse grained to pegmatitc. The unit is easily identifiable as containing leucocratic rock rich in jade-green to blue sodalite. The volumetrically lesser mafic minerals, also commonly exhibit a distinct jade-green tinge. Feldspar is volumetrically the most significant mineral, generally occurring as subhedral forms with complex sutured edges. Nepheline is common, but not in large amounts, occurring as rounded and xenomorphic grains with little alteration. In contrast to the other units of the complex, sphene and apatite are essentially absent. Accessory minerals found include disseminated fluorite, and a variety of rare minerals characteristic of sodium-rich rocks, including lavenite, lamprophyllite, ramsayite, and possibly arfvedsonite (Currie, 1975).

The *altered zeolite-rich syenite* (unit 15) is a distinctive buff-weathering, medium-grained, inhomogeneous syenite. It occurs as irregular, poorly defined layers some 10’s of metres thick. In hand sample the rock is pale brown and dominated by phenocrysts of alkali feldspar up to 2cm across. Acmitic pyroxene is the dominant mafic mineral, occurring as stubby rounded prisms. Biotite occurs locally as an overgrowth on pyroxene. In thin section, significant volumes of the zeolite natrolite (unit 14), were observed as large radiating sheaves along veins, and as a fine granular mass in the matrix of the rock.

Mafic dyke rocks (unit 16)

Mafic dykes are found crosscutting all units of the Ice River complex and are found most commonly near the presumed roof of the complex. They are all lamprophyric, meaning that they contain only mafic phenocrysts, and no salic phenocrysts. Biotite followed by olivine are the most common phyric components. As determined in thin section (Currie, 1975), alkali feldspar and lesser nepheline are the most common interstitial minerals, along with minor biotite or pyroxene. Sphene, calcite and apatite are common accessory minerals. Chemically, the lamprophyre is identical to the mela-ijolite (Currie, 1975), thus presenting timing and emplacement conundrums considering they also intrude some of the youngest syenite units.

Contact metamorphism and alteration

Emplacement of the Ice River Complex in late Devonian time (Parish et al., 1987; Locock, 1994), resulted in significant contact metamorphism of the surrounding country rock. These effects are most visible within the prevalent Ottertail Formation as extensive and pervasive hornfelsing, and more localized skarn development.

“The hornfels is composed of extremely hard dense, greenish grey to olive rocks with characteristic brownish spots 2-10 mm in diameter. The rocks break into discs or plates a few centimetres thick, commonly along slickensided surfaces which may contain quartz or calcite veinlets up to a centimetre thick forming en echelon gash or ladder veins. Carbonate interbeds in the hornfels are invariably finely sacharroidal marble, even when the containing beds are intensely altered to hornfels. Near the contact of the igneous rocks, the spots in the hornfels tend to become elongate, forming augen, and the rock takes on a more marked foliation becoming phyllitic. Within a few feet of the contact, some hornfels become more massive and pinkish, approaching foliated syenite gneiss, generally with interbeds of syenite material (Curie, 1975, pg. 8)." The margins of the hornfels are difficult to delineate as they blend into low-grade regional metamorphic rocks, which are also characterized as fine grained and hard with an angular habit.

Fenitization is defined as a type of alkali metasomatism characterized by secondary K-feldspar as well as sodic amphiboles and pyroxenes. Typical minerals include sodic amphibole, wollastonite, nepheline, mesoperthite, antiperthite, aegerine-augite, pale brown biotite, phlogopite and albite. Most fenites are zones of desilicification with additions of Fe3+, Na and K (Birkett and Simandl, 1999). The net result is to alter the host to a rock resembling a syenite. Thus, it often becomes difficult to distinguish the alkali intrusives from metasomatically altered gneiss (http://geology.csupomona.edu/drjessey/fieldtrips/mtp/mtnpass.htm).

Fenitization is commonly associated with alkaline intrusions. Surprisingly, its recognition is sparse in the vicinity of the Ice River complex (Peterson and Currie, 1994; Currie 1975). Peterson and Currie (1994) did recognize and describe limited examples of fenitic alteration in the Garnet Mountain area. i) Alteration of limestone screens within ijolite to zeolites+aegirine. Zeolite rich lithologies alter to a distinctive white to pink or red. Large bodies of zeolite-rich syenite recognized by Currie (1975) may represent coalesced, melted fenites. ii) Secondary? wollastonite in pegmatitic dykes of ijolite and urtite, as evidence for fenitization, and iii) A cap of pegmatitic syenite overlying an ijolite-carbonatite dyke swarm. It is composed of the only silica saturated rocks known in the drainage area, and is interpreted to be the product of isochoric replacement of country rock.

ECONOMIC GEOLOGY

Four minfile occurrences are located within the Ice River Complex or within its contact metamorphic halo (Table II; Figure 3).

Table II: MINFILE Report
s

MINFILE No.	Name	Status	Commodities	Deposit Type	Latitude	Longitude	Google Earth
082N 025	SHINING BEAUTY, SHINING BEAUTY CREEK	Past Producer	ZN, AG, PB, CU	I05	51 09 44	116 28 00	
082N 026	ZINC CREEK	Showing	ZN, PB	E12	51 10 50	116 24 46	
082N 027	MOOSE CREEK, BOW, DEMON, COLTI	Developed Prospect	MA, TI, RS, NB, TH	N01	51 11 40	116 21 04	
082N 028	WATERLOO, QEM	Prospect	AG, PB, ZN, CU, AU, GS, UR, NS	E14, J01, N01	51 10 00	116 22 59	

The *Waterloo prospect* and *Shining Beauty mine site* are both hosted in limestone of the Ottertail Formation. Both showings contain Zn-Pb-Ag-Cu base metal mineralization associated with moderate to high temperature replacement, mantos or vein structures. Base metal mineralization at the Waterloo showing is also anomalously enriched in U-Th and rare earth elements as well as Au. Mining operations at the Shining Beauty from 1908-1911 produced an unspecified amount of silver and zinc ore from 3 almost parallel tunnels about 60 metres apart. Only the Waterloo prospect lies within the current EPL mineral titles listed in Table I.

The *Zinc Creek showing* occurs within a thick series of thin bedded, well-cleaved calcareous shales of the Chancellor Group. Interbedded with the shales are narrow bands of siliceous limestone 0.6 to 0.9 metre thick. Lead-zinc mineralization is developed within one of these bands. An irregular lenticular pocket of quartz-calcite with bands of pyrite, arsenopyrite, sphalerite and galena replaces a siliceous limestone band about 3 metres thick.

The *Moose Creek developed prospect* contains a number of commodities all hosted in or closely associated with layered mafic units of the Ice River Complex. Ilmenite-magnetite mineralization, mainly as sphene and magnetite, occurs in quartzite, pegmatite and jacupirangite rocks. Assays range up to 13.2 per cent TiO_2 and 20.6 per cent iron (Assessment Report 3389). Knopite, a cerium-bearing perovskite, is present in a pegmatite dike. Sodalite occurs as veins in the intrusion. Analysis for columbium/niobium yielded 0.67 per cent Cb_2O_5 (Assessment Report 3389). A radioactive northeast-trending shear zone, 1200 metres to the south, yielded up to 0.019 per cent uranium. Other commodities include thorium (up to 0.077 per cent ThO_2 over 3 metres) and traces of rare earths, chiefly lanthanum and ytterbium (Minister of Mines Annual Report 1954, page 150). Ilmenite-magnetite bearing gravels and sands occupy the valley along Moose Creek. A 10 by 300 metre area assayed up to 8.2 per cent TiO_2 (Assessment Report 3389).

PROPERTY GEOLOGY

Historic geologic mapping at the Ice River property is limited to regional scale (1:25000) mapping by Currie (1975) and Allan (1914). The western half of the 2.8 km wide by 6.0 km long property is dominated by intrusives of the zoned syenite complex and subordinate but significant occurrences of the layered mafic complex (Figure 4). The central to eastern parts of the property, including the eastern flanks of Zinc and Buttress peaks down to the valley bottom, is dominated by limestone of the Ottertail formation. The Waterloo prospect (MF 082N 028; Table II) lays essentially dead centre of the property area, within the Ottertail formation, approximately 350 metres east of the northerly trending contact with the syenite complex.

Geological mapping carried out by the current author in 2006 contributed greater detail of east aspect lithologies over a 2 x 1.8 kilometre area centred along the ridge separating the sodalite-bearing circ and the Waterloo-bearing bowl (Figure 4). The original Currie (1975) map was used as a basemap with modifications overlain on Figure 4. Important modifications include:

I) Subdivision of the Ottertail Formation (Unit 2) into four subunits:

2a: Tannish-grey, medium- to fine-well bedded, fine to very fine grained, silty to phyllitic limestone.

2b: Brown to grey weathering, light bluish-grey to greenish-grey fresh, hard blocky, medium to finely laminated, poorly bedded, fine to medium grained calcareous limestone. 2bf: Grey, poorly bedded, fragmental limestone; common on the east aspect at the northern limit of mapping (Figure 4).

2c: Grey and light grey, thin and thick interbedded, well bedded limestone.

2r: Orange weathering, tannish-grey, thin-well bedded limestone with pervasive iron-carbonate alteration.

II) Extension of Unit 2 (2b) southwards: Rationale – Several unambiguous limestone outcrops exposed in the main sodalite-bearing bowl.

III) Additional layered mafic units were observed in several areas of the sodalite-bearing bowl and up to the divide between Manganese and Zinc mountains.

IV) A large unit 14 is interpreted based on abundant exposure of sodalite-bearing syenite at the base of the cliffs at the head of sodalite-bowl. The northern limit of this unit is entirely obscured by talus. The southern limits are tentatively interpreted to extend upslope toward the col between Manganese Mountain and Buttress Peak. Verification of these contacts requires technical climbing traverses.

Structure

Regional mapping of the area by Allan (1914) indicates that the country rock is close to flat lying, with a slight average low angle dip to the east. Local bedding orientation however may very markedly depending on vicinity to the Ice River Complex, and other regional structures present in the area. Structures in the property area are consistent with the 3 phases of deformation recognized by Currie (1975) for the IRC as a whole.

The earliest fold structures consist of small-scale tight folds around the margins of the zoned syenite complex. The small folds are rare at distances greater than a few hundred metres from the complex, and are interpreted to be related to the intrusion of the complex. Currie (1975) did not observe these structures adjacent to the contact between country rock and the layered mafic complex.

The main fold structure in the area is defined as open to isoclinal folding with a frequency of a couple hundred metres. In the property area, the main expression of this structure is as a NNW to WNW sigmoidal-shaped anticline-trace exposed along the saddle dividing Zinc mountain and Sentry Peak (Figure 4). Currie (1975) tentatively interpreted the fold structure to follow the Moose Creek Valley along the eastern reaches of the property area. A plunge calculation based on So planes from Currie's (1975) map indicates a plunge at the saddle of 69/132.

The sigmoidal shape of the axial traces of the main fold structure mentioned above is a result the 3rd phase of deformation in the region. The axes of the pair of folds defined by the sigmoidal deformation trend north to northwest, approximately parallel to the regional trend, but the plunge of these folds appears to be almost vertical.

Currie (1975) noted a surprising lack of significant faults in the region, and attributed this to a stress regime that decompressed via small-scale displacements and flowage. Much of the deformation appears to have been taken up by homogeneous deformation of the country rock, with the igneous complex largely undeformed. The lack of deformation of the igneous complex has preserved many primary features such as igneous layering and flow banding.

Structural measurements made by the author in 2006-2007 confirm an increasing intensity of tight folding in proximity to the eastern margin of the Ice River Complex. In the bowl above the Waterloo showing, limestone of the Ottertail Formation exhibits a monoclinal character over several hundreds of metres, with sudden attenuation into tight to isoclinal overturned fold hinge zones on the order of 50-80 metres wide (Brown, 2007).

Mineralization

Within the property area, a variety of commodities have been recognized, or are interpreted to have good economic potential in light of the nature of the mineral deposit type: alkaline/carbonatite intrusive complex. Commodities generated during primary magmatic formation of the layered and syenite complexes could include dimension stone of varying lithologies, industrial minerals such as nepheline and feldspar, and industrial elements including Ti, Fe and P. Deposits containing gemstones (sodalite, corundum?), industrial minerals (zeolite, vermiculite?), high field strength elements such as Nb, Ta, Zr, Hf, and rare metals including U, Th and REE's may also have formed in economic quantities. The latter set of elements is also found associated with base and precious metal occurrences in hydrothermal-replacement, skarn or mantos type deposits within the metasomatic halo of the IRC (ie. Waterloo prospect; Table II).

The most recent discoveries of mineralization are summarized in a February 20, 2008 news release:

Cranbrook, B.C., February 20th, 2008: Eagle Plains Resources (TSX-V:EPL) has recently received whole rock analyses from Eagle Plains 100% owned Ice River Property. Encouraging values were returned, including up to 3.0% REOs (total Rare Earth Oxides), and 5600 g/t Nb2O3 (Niobium / "Columbium" oxide). One 2.5 metre chip sample (JBIVR048) returned 2.4% REOs. Mineralization is hosted in syenite and carbonatite dyke systems that are numerous and widespread over a 4+ kilometre long corridor within the Ice River Intrusive Complex, located 40 kilometres southeast of Golden, British Columbia, Canada.

Rare Earth Elements (REEs) and other elements with high-tech applications, including Nb and Zr, have long been suspected as potential commodities on the property; but it was not until results from the recent 2005-2007 mapping and geochemical surveys, that this suite of elements became fully appreciated. Other potential commodities identified include extensive nepheline syenite as an industrial mineral source, and presence of the ornamental mineral sodalite.

Previous and ongoing work by Eagle Plains at the Ice River Property has focused on the economic potential of strataform/replacement massive sulphides of the Waterloo prospect (see August 23, 2007 news release). At the Waterloo occurrence, sulfide horizons are exposed in two historical adits excavated in the early 1900's, with historical samples returning assays up to 3.69% Pb, 16.10% Zn, 1.59% Cu, 27.30% Fe, 99.4 g/T Ag and 1.7 g/T Au (GSC Memoir 55, page 229).

In 2006-2007, detailed surface and underground mapping by EPL Chief geologist Jarrod Brown, P.Geo., revealed a combination of structural and stratigraphic controls over the mineralization. A 5-hole, 259m drill program was completed on the property in August, 2007 and intersected massive to semi-massive strataform sulfide mineralization and associated stockwork zones, hosted in variably altered limestone wall-rock of the Ice River Intrusive Complex.

Drill holes IV07001 to 003 tested under the known workings, while holes IV07004 and 005 were collared 120 metres west to test the strike projection of the suspected mineralization. DDH IV07005 intersected a mineralized stockwork zone, identical to that in DDH IV07003, thus successfully verifying mineralization along the predicted stratigraphic contact. The contact, while well exposed and mappable to the west and south, remains obscured by overburden east and north; consequently, mineralization potential in these directions remains open.

A summary of the most significant intercepts is listed in the table below:

Hole No.	From (m)	To (m)	Intercept (m)	True Thickness (m)	Ag* (g/t)	Pb* (ppm)	Zn* (ppm)	Cu (ppm)	Au (ppb)
IV07001	**12.52**	**14.59**	**2.07**	**1.23**	**27**	**9019**	**17401**	**2753**	**142**
inc.	13.07	13.25	0.18	0.13	27	9226	4.30%	3294	140
inc.	13.25	14.59	1.34	0.71	27	8468	14239	2832	162
IV07002	**13.6**	**14.72**	**1.12**	**0.94**	**11**	**11261**	**16542**	**5427**	**188**
inc.	14.16	14.72	0.56	0.46	2	1.5%	2.7%	7090	340
IV07003	**10.04**	**16.3**	**6.26**	**5.92**	**7.1**	**6097**	**5788**	**156**	**5.0**
inc.	10.04	11.00	0.96	0.90	10	1.80%	1.13%	147	25
inc.	14.48	16.3	1.82	1.72	10	4932	5056	192	3.0
IV07005	**4.84**	**6.84**	**2.00**	**1.53**	**3.2**	**2484**	**2409**	**51.7**	**1.3**
inc.	5.84	6.34	0.5	0.38	12	9030	9083	22.0	5.0

* values listed in % are assay quality

The known style of Nb mineralization at the Ice River property within altered pegmatitic syenite and microsyenite shares similarities to that documented in alkaline complexes in Greenland (Gupta and Suri, 1994). The Sarfortoq deposit in southwest Greenland, is a high grade low tonnage deposit containing mineralized pyrochlore-rich veins. The mineralized rock on average carries 1.5% Nb2O5, with tonnage estimates on the order of 0.1 million tones. The Motzfeldt So deposits located in south Greenland are made up of multiple intrusions of syenite, broadly divided into central nepheline syenite and an outer altered syenite characterized by hydrothermal alteration. Similar to the Ice River, Nb mineralization at Motzfeldt So is hosted in altered syenite and microsyenite near the outer margins of the intrusive complex. Niobium content in the minaeable rock varies between 0.4 and 1.0% Nb2O5, contained in nearly 80 million tones of peralkaline microsyenite (Gupta and Suri, 1994). This rock type is also host to huge reserves of zirconium and rare earths with contents of 1-2% ZrO2 and less than 1% rare earth oxides.

Rare earth element (REE) mineralization at the Ice River property is in early stages of understanding. REE accumulations have been noted in syenite units containing red minerals visually similar to the Zr-REE bearing silicate eudialyte. Eudialyte is a critical defining component of a rare subgroup of peralkaline intrusive rocks termed *agpaitic* nepheline syenites (Sorensen, 1992). This IUGS rock type definition is limited to nepheline syenites containing chemically complex minerals such as eudialyte or mosandrite, rather than chemically simple minerals such as zircon and ilmenite. Rocks of this type are known to form economic deposits of high field strength elements (Zr, Nb, U, Y) and rare earth elements (REE's). Important examples include the Ilimaussaq Complex in Greenland and the Khibina and Lovozero Complexes of the Kola Peninsula in Russia (Salvi and Williams-Jones, 2005). Eudialyte is particularly advantageous from a metallurgical perspective, as it is easily digested in weak acid.

REE bearing structures at the Ice River Property, also enriched in barium, zirconium and thorium share similarities to altered fennite/syenite veins and dykes and associated carbonatites in the Southern Bear Lodge Mountains of Northeastern Wyoming (Staatz, 1983) and in the Wet Mountains Area of Colorado (Armbrustmacher, 1988).

WORK PROGRAMS

2007

Two field programs were carried out at the Ice River property during the 2007 field season.

July 11 to July 19 fieldwork included 2 helicopter supported camps for the purposes of prospecting, soil geochemical sampling, and follow-up of 2005 geochemical anomalies. Camp 1 was located just below tree line below sodalite circ at 1825m AMSL (543892E, 5668039N). Twelve man-days were spent soil sampling and prospecting , mostly to south of the camp along the east flank of Buttress Peak.

Camp 2 was established near a small tarn east of Zinc Mountain and North of the Waterloo showing at 2300m AMSL (543160E, 5669460N). Twenty-three man-days were spent soil sampling, prospecting and mapping the upper benches from Sodalite circ to the 2800m elevation marker on the south flank of Sentry peak.

Diamond Drilling was completed at the Waterloo Showing between August 15th and August 19th, 2007. A total of 259 meters of NQ core was cut during the program in five holes at two pads. The program was helicopter supported with personnel housed in Golden BC. Field and drilling crews rotated on 12 hour shifts, supported by two daily flights out of Golden. Concurrent to the drilling program, 6 man-days were spent prospecting and sampling the ridge lines and bowls of the northern and southernmost bowls below Sentry peak and south of Buttress peak respectively.

A total of 77 rock samples were collected for analysis, and approximately 2000 lbs. of sodalite syenite boulders and hand specimens were flown out by sling. The soil and silt geochemical sampling program included 156 soil samples, and 3 silt samples. All samples were sent to ACME Laboratories in Vancouver BC. Sixteen samples were analyzed for *Group 4B* and *1Dx* packages (Table III). Sixty-two samples were additionally analysed using the major oxides package (*Group 4A*). All soil samples were analyzed using the *Geo6* analytical package, which includes the four acid digestion *Group 1Ex*, plus *Group 3A* wet chemical analysis for gold. All samples were collected, handled, catalogued and prepared for shipment by Eagle Plains Resources staff.

Table III: Analytical packages for 2007

Analyses by Acme Labs (http://www.acmelab.com/cfm/index.cfm).

Package	***Elements***
Group 4A: LiBO2 Fusion + Nitric Acid ICP-ES - 0.200g	Al_2O_3,Fe_2O_3,MgO,CaO,Na_2O,K_2O,TiO_2, P_2O_5,MnO,Cr_2O_3,Ba,Ni,Sc
Group 4B: LiBO2 Fusion + Nitric Acid ICP-MS - 5g	Be,Co,Cs,Ga,Hf,Nb,Rb,Sn,Sr,Ta,Th,U,V,W,Zr,Y, La,Ce,Pr,Nd,Sm,Eu,Gd,Tb,Dy,Ho,Er, Tm,Yb,Lu
Group 1DX: Aqua regia ICP-MS - 0.5g	Mo,Cu,Pb,Zn,Ni,As,Cd,Sb,Bi,Ag,Au,Hg,Tl,Se
Group 1EX: Four acid digestion ICP-MS - 0.25g	Ag,Al,As,Au,Ba,Be,Bi,Ca,Cd,Ce,Co,Cr,Cu,Fe,Hf,K, La,Li,Mg,Mn,Mo,Na,Nb,Ni,P,Pb,Rb,S,Sb,Sc,Sn,Sr, Ta,Th,Ti,U,V,W,Y,Zn,Zr
Group 3A: (Wet chem) Aqua regia ICP-MS – 15g	Au

Sample locations and descriptions are found in Appendix III; full analytical results in Appendix IV, and the most encouraging samples, sorted by commodity, in Appendix V. The aerial distribution of rock samples is presented in Figures 5and 6.

All samples were input in the creation of a GIS database for the project. All exploration was carried out in accordance to Ministry of Environment, Ministry of Mines and WCB regulations. At no time did personnel enter into any parks in the area.

2008 WORK PROGRAM

Eagle Plains Resources Ltd. conducted assessment work on the Ice River property on September 4, 2008 and September 19, 2008. The project was helicopter access supported by Airspan Helicopters' Bell B3 out of Invermere, BC, and by Alpine Helicopters' Bell 2006 out of Golden, BC. Five man days were spent geological mapping and rock sampling.

Geological mapping was focused on the layered mafic complex along the ridge between Zinc Mountain and Sentry peak, the Waterloo adit, and an outcrop of crosscutting syenite dykes located 600 m north of Manganese Mountain. Rock samples were taken for thin-section work, so that REE mineral phases could be identified. In differentiating systems uranium and thorium generally increase in concentration with fractionation. A spectrometer was used to calculate the concentration of U and Th in crosscutting syenitic dykes in order to determine their relative ages.

All exploration and reclamation work was carried out in accordance to the BC Mines Act and BC Workers Compensation board requirements. At no time did personnel enter into any parks in the area.

Total 2007-2008 exploration expenditures by Eagle Plains Resources on the Ice River property was $ 216 095.44.

Geological Mapping Summary

Recent mapping has extended delineations of the Ottertail Limstone (Unit 2) into the north and south bowls (Figure 4). Although, mineralization at the Waterloo is associated with the unit 2a-2b contact; extensive ankerite gossan with minor sulphides have also been observed along the stratigraphically higher 2b-2c contact. Semimassive, stratabound pyrrohtite was observed near the contact, in the midst of a sizable gossan. A single sample take from the sulphide-rich zone in the south bowl (JBIVR086) did not return appreciable base or precious metals. The unit 2b-2c contact in the south bowl is easily spotted from the air and satellite imagery. Several gossanous zones along the contact have been spotted from the air and require followup.

Summary of REE and Nb mineralization at the Ice River Complex (IRC)

Figures 5a,5b below highlight the known anomalous zones of REE and Nb mineralization discovered by EPL to date. Figures 6a-b highlight rock (RSAMP), silt (SSAMP), and dirt (DSAMP) results for the entire property for REE, Nb, Ba, Zr. See appendix V (last two pages) for tabular analysis data.

<u>REE Mineralization</u>

The most significant host rock assemblages of REE mineralization include: calcium/dolomite-rich carbonatite, barite-rich carbonatite, and zeolite and Fe-Mn altered fenitized syenite, ijolite, or jacupirangite lithologies. Any or all of these rock assemblages may be present at an anomalous station. One of the most significant features associated with REE mineralization appears to be the ubiquitous strong alteration of the host rocks. In the syenites, the alteration is expressed as a white-yellow- and brown zeolite alteration as a fine grained pervasive alteration, up to a very coarse grained assemblage containing euhedral zeolite crystal aggregates associated with vugs. Associated yellow brown and black amorphous minerals occur as bands and fracture fill throughout the altered zone, and/or as coatings within vugs. The more mafic host rocks take on a felted to disaggregated assemblage of phlogopite-rich punky material (glimmerite). Late reddish-brown Fe-Mn carbonate rich veins are a common feature of the altered and mineralized zones as well.

As the REE mineralization appears to be strongly associated with this alteration, this opens an avenue for further prospecting. The orientation of mineralization and alteration at several of the areas of interest (B,C,D,G,J: Figure 5) appears to be conformable to the igneous layering and/or contact orientations between the different intrusive units, as well as the IRC – limestone contact. Another feature of great interest may also be Currie's *unit 15 – the zeolite syenite*. It is suspected that these areas may be broad expressions of the same alteration that is bringing in the mineralization. A petrographic study should be undertaken to validate this possibility. Regardless, contact zones, especially those proximal to the "zeolite syenite" should be assessed carefully. Another noteworthy feature is the high barium contents of some of the dykes, particularly in areas B,C, and H. Sample TMIVR032 contains 29% Ba and also has the highest REE values recorded to date (26146 ppm total REE). The mineralogy of these dykes should make them easy to detect with soil and silt geochemistry.

<u>Nb+ Mineralization</u>

Niobium and zirconium±hafnium are strongly correlated, but mineralization associated with these elements appears to be unrelated to the REE mineralization. To date, results listed in appendix 5 (up to 3923 ppm Nb, 25744 ppm Zr and 464 ppm Hf) show that syenite is the only significant host for these elements. In general, it is the coarser grained (pegmatitic) and sodalite bearing syenite dykes that returned the best values, although some of the dykes encountered in areas -E and -M are texturally and mineralogically unexceptional. The sample taken from area M is quite interesting as it is a representative sample taken from a 4 m wide dyke. This dyke can be seen from a distance, cutting across the IRC contact to the east and continues for some distance through the host limestone. Next season, it will be of great interest to see how grades vary with the assumption that fractionation processes should act to enrich the incompatible elements (such as Nb) outwards away from the IRC.

Other potential commodities

A number of other commodities are being passively explored for on the property. Those which show some promise include: 1) (nepheline) syenite as a source of ceramic grade feldspathic minerals, 2) sodalite syenite as a source of semi-precious gemstones or aggregate, and 3) a wide variety of intrusive phases of the Ice River complex which could be used as dimension stone. Despite the complex structural history of the area, felsic and mafic phases of the complex are remarkably undeformed and could readily be developed into a range of attractive building products.

Geochemistry

Of great importance to future exploration at the Ice River property, is the use of soil and stream geochemistry. Results from the 2006 geochemical survey led to the discovery of east-trending sodalite-bearing syenite dykes with significant Nb mineralization along the area-E trend. The latest 2007 geochemical results can now be used to define two other parallel REE-mineralized trends to the south (Figures 5,6). It is probably not a coincidence that these trends line up with large lamprophyre dyke systems mapped by Currie (1975) to the west. Samples JBIVR046 and TMIVR003, defining the current western extent of the Area-G trend, both returned high REE values (up to 19340 ppm REE). All three trends along the east flank of Buttress peak, still require careful scrutiny.

Anomalous base metal (Zn, Pb) soil results are notable along the two highest contours near the north end of the present sampling limit. The 2150m and 2250m zone requires follow-up field work as do the highest elevation and stragraphically similar soil anomalies near the south limit of the 2007 sampling. Both areas taken together suggest a base metal enrichment that corresponds to proximity to the IRC contact.

2007 Drilling Results

The only known drilling on the property occurred at the Waterloo showing in August of 2007. Detailed mapping (Brown, 2007; Figure 7) in the vicinity of the Waterloo showing added to the understanding of the stratigraphic and structural features that contributed to the mineralization there. The main Waterloo portal exposes a conformable lithological contact between well bedded, silty limestone (unit 2a) to the south, and blocky, hard, poorly bedded limestone (unit 2b) to the north, all of which are contained within the shoulder of a moderately-south dipping, overturned, tight anticlinal fold structure. The stratigraphy and fold structure are crosscut by a syenite-lamprophyre dyke couplet oriented (218/45), all of which, in turn, are crosscut by a magnetite-Cu-Cs rich shear zone on (188/68). Mineralization at the Waterloo is both conformable to bedding and crosscutting; however, most textural and structural observations indicated that the mineralization is strongly controlled by a combination of S1 (axial plane), vein orientations, and the lamprophyre panel, all of which lie close to (110/60). The Waterloo adit was driven in along this orientation.

The 2006 recommendation was to drill test the above 3 structures, and to test the mineralization of the shallow dipping strata through the 2a-2b contact. Three holes were drilled from PAD A located approximately 20 m WSW of the main Waterloo adit (Figure 7; Table IV).

Two additional holes were drilled from PAD B, located near the projected intersection of the 2a-2b contact and a second parallel set of lamprophyre-syenite dykes, located 120 metres ENE of the Waterloo adit.

Table IV: 2007 DDH locations

2007 DDHs AT THE WATERLOO SHOWING (ICE RIVER PROJECT)

PAD	Name	Azimuth	Dip	Depth (m)	Easting	Northing	Date	Notes
A	IV07-01	70	-45	46.94	543200	5668713	16-Aug-07	ENE towards adit
A	IV07-02	70	-80	106.07	543200	5668713	16-Aug-07	sub vertical to test confluence of 2a-2b contact and structure
A	IV07-03	18	-45	39.13	543200	5668713	17-Aug-07	NNE oblique to 2a-2b contact
B	IV07-04	71	-48	30.78	543094	5668763	18-Aug-07	to intersect syenite dyke and sed cont.
B	IV07-05	20	-45	36.27	543094	5668763	18-Aug-07	to intersect oblique to 2a-2b contact
TOTAL				259.19				

Hole summaries (strip logs and sections included in appendix VI, VII):

PAD A was placed approximately 30 m WSW of the upper adit at the Waterloo showing.

IV07001 (-45/070): Intersected a 2.07m zone (@ 33° TCA) of massive and semimassive pyrrhotite-sphalerite-galena-chalcopyrite from 12.52 to 14.59m. The lower adit at the Waterloo showing was intersected at 14.59m. As a result, at least 1.6 metres of probable mineralized core is missing. The bottom of this intersected mineralization is hosted within massive blue gray albite-silicic+-chlorite altered limestone (unit 2b), just below well bedded gray limestone (unit 2a). Variable TCAs in the mineralized zone strongly suggests the mineralization is hosted within a fold hinge zone.

IV07002 (-80/070): The hole collared in gray and white banded unaltered limestone (unit 2a). Moderate to intense texturally destructive albite+-chlorite alteration starts at ~12 m. This alteration coincides with an increase in mineralization starting with calcite-pyrrhotite fracture fill (stockwork), progressing to increasing proportions of conformable bands of semimassive pyrrhotite + minor sphalerite and galena + trace chalcopyrite. An impressive 56 cm massive sulphide zone (55° TCA) was intersected from 14.16 to 14.72. The zone comprises ~95% sulphides including 70% pyrrhotite, 20% sphalerite, 5% chalcopyrite and 5% galena. Footwall limestone from 14.72-15.94m is characterized by intense albite-chl alteration with similar stockwork and disseminated mineralization as above the massive sulphide zone. Grey, massive limestone (unit 2b) characterizes the rest of the hole. Several zones of moderate to intense albite+-silica+-chlorite alteration occur right to EOH (106.07m), but does not appear to be associated with significant sulphides.

IV07003 (-45/018): Collared in dark and light gray banded limestone at 4.57m depth. 7m depth marks the start of moderate to intense albite alteration and increase in calcite fracture fill. Significant mineralization occurs from 10.04 – 16.30 m (70° TCA) within calcite fracture fill (stockwork) containing 75% pyrrhotite, 20% galena, and 5% sphalerite. The footwall zone to the mineralization is again marked with moderate to intense albitization to 24m, of light to dark gray banded, hard limestone. Alteration intensity wanes below this depth.

PAD B collared 120 metres to West of Pad A to test strike extension of contact between well bedded limestone (unit 2a) and massive Limestone (unit 2b) and an oblique steep crosscutting syenite dyke (identical stratigraphic and structural scenario as at the Waterloo showing)

IV07004 (-48/071): Overburden surprisingly thick. Collared into syenite dyke for 25cm and then into 3m of unit 2b, followed by unit 2a (from 13.32-18.71), and finally back into unit 2b to EOH. No significant mineralization was encountered.

IV07005 (020/-45): Collared into 18 cm of syenite dyke then into unit 2b (4.84-7.26m). This unit has a consistent calcite-qtz stockwork with several percent pyrrhotite-sphalerite-galena mineralization (50 deg TCA) similar to mineralization encountered in DDH IV07003. This was followed by 2.56 m of unit 2a and finally back into unit 2b at 9.82m to EOH (36.27).

A total of 26 sample intervals from the NQ sized core were selected for sampling. Results are included in Appendix IV. Nine boxes of core for were flown out for splitting and sampling. Sampled core is stored at the EPL *Vine* core storage facility near Moyie Lake, BC. All of the remaining core was dead stacked and stored on the Ice River property in a flat treed area, approximately 300 m SE of the adits. All split core was analyzed at EcoTech Laboratory in Kamloops, British Columbia. The core was crushed and screened with -80 mesh. Digestion was by aquaregia and followed by 28 element ICP-AES and fire assay for samples over limit.

Drill holes IV07001 to 003 tested under the known workings, while holes IV07004 and 005 were collared 120 metres west to test the strike projection of the suspected mineralization. DDH IV07005 intersected a mineralized stockwork zone, identical to that in DDH IV07003, thus successfully verifying mineralization along the predicted stratigraphic contact. The contact, while well exposed and mappable to the west and south, remains obscured by overburden east and north; consequently, mineralization potential in these directions remains open.

A summary of the most significant intercepts is listed in the table below:

Hole No.	From (m)	To (m)	Intercept (m)	True Thickness[t] (m)	Ag* (g/t)	Pb* (ppm)	Zn* (ppm)	Cu (ppm)	Au (ppb)
IV07001	**12.52**	**14.59**	**2.07**	**1.23**	**27**	**9019**	**17401**	**2753**	**142**
inc.	13.07	13.25	0.18	0.13	27	9226	4.30%	3294	140
inc.	13.25	14.59	1.34	0.71	27	8468	14239	2832	162
IV07002	**13.6**	**14.72**	**1.12**	**0.94**	**11**	**11261**	**16542**	**5427**	**188**
inc.	14.16	14.72	0.56	0.46	2	1.5%	2.7%	7090	340
IV07003	**10.04**	**16.3**	**6.26**	**5.92**	**7.1**	**6097**	**5788**	**156**	**5.0**
inc.	10.04	11.00	0.96	0.90	10	1.80%	1.13%	147	25
inc.	14.48	16.3	1.82	1.72	10	4932	5056	192	3.0
IV07005	**4.84**	**6.84**	**2.00**	**1.53**	**3.2**	**2484**	**2409**	**51.7**	**1.3**
inc.	5.84	6.34	0.5	0.38	12	9030	9083	22.0	5.0

*values listed in % are assay quality
[t] true thickness calculated from *to-core-axis* (TCA) measurements of conformable mineralized contacts presented in hole summaries above.

INTERPRETATION and CONCLUSIONS

The Ice River property has the potential to host several commodities of economic significance both within the intrusive phases of the IRC and within altered and unaltered country rocks proximal to the intrusive contact. The current tenure is well situated by virtue of its location: straddling the easternmost contact of the Ice River Alkaline Complex. Historical exploration on the property was limited mostly to prospecting, and site specific mining activities (i.e. Waterloo adits). Mid elevations on the property do offer good exposure, however access to the upper (>2400 m) elevations on the property is hampered by extreme topography. Below 2000 m AMSL, outcrops are rare due to talus, glacial drift and vegetation cover.

Work by Eagle Plains Resources over the last 3 field seasons represents the first systematic, multidisciplinary exploration in the property area. Advancements have been made: Rare Earth Elements (REEs) and other elements with high-tech applications, including Nb and Zr, have long been suspected as potential commodities on the property, but it was not until results from the recent 2005-2007 mapping and geochemical surveys, that this suite of elements became fully appreciated. Detailed exploration on the property is currently limited to the north central 1/3 of the property area. Many areas exhibiting similar prospective geology remain to be explored, even in a cursory manner.

The 2007 drilling program successfully verified significant Pb, Zn, Ag, Cu metal contents in addition to notable gold up to 340 ppb. At the property scale, mineralization is generally conformable to E-W bedding planes, but this association is complicated by other subparallel foliation structures, as well as a number of crosscutting features (dykes and veins), that also exhibit base metal mineralization. Of great significance to future programs at the showing is the fact that associated mineralization was intersected at Pad B, 120 metres west of the showing, thus verifying the continuity of mineralization along a predictable stratigraphic/structural feature. This feature remains obscured and untested to the east and north of the showing and presents a viable exploration target for future geophysical and diamond drilling programs.

RECOMMENDATIONS

Fieldwork and geochemical program carried out over the last few seasons has successfully determined a number of rock type hosts to REE and Nb +- Zr+-Hf mineralization. Subsequent field programs should be devoted to the collection of samples for petrographic study for the purposes of identifying the mineral carrier of these elements. Field identification of the REE minerals has proven to be very difficult as most samples comprise fine bands, wisps and disseminations of very fine orange, brown and black amorphous mineralization, generally obscured by a strong Fe-Mn overprint.

In addition to the proposed petrographic work, a number of days should be spent following up the latest rock and soil analytical results. This includes the soil anomalies in areas E, F, and G and extended traverses along all the other known trends in the high country. Also, contact features in the vicinity of Currie's unit 15 require close scrutiny, as do Zn and Pb anomalies associated with the IRC, and unit 2b-2c and 2b-2a contacts.

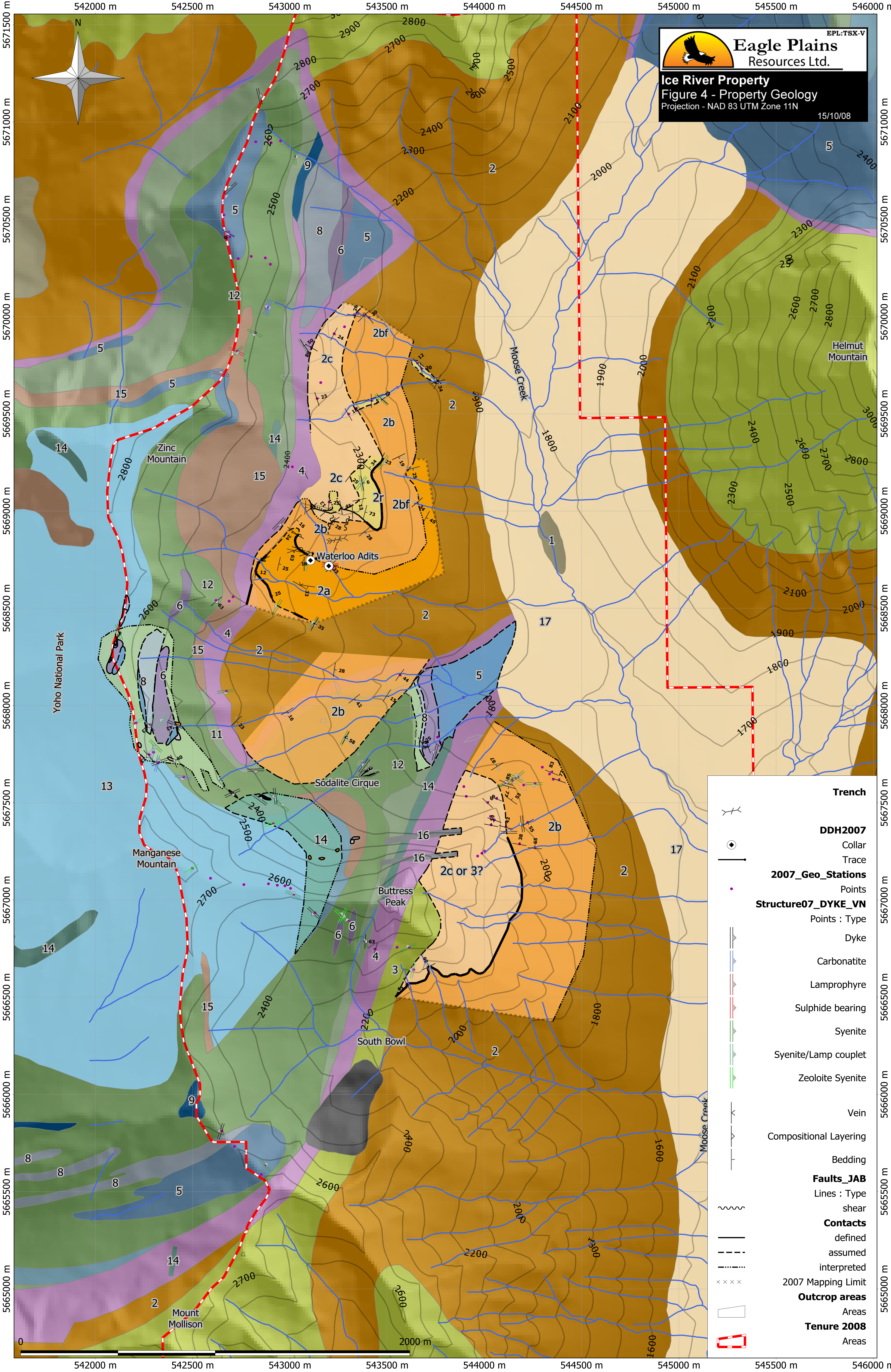
Future work should include a series of traverses in the south bowl and beyond, into newly staked (2008) territory as far as Mount Mollison. The northern limit of the property, along the southeast flank of Sentry peak, also requires detailed prospecting and mapping. Systematic stream sediment sampling should be done in both areas, with upwards of 50 sample stations. Another 5 line-kilometrees of soil sampling is recommended, along four contours to the south of the current soil grid, at least as far as the main creek draining the south bowl. At 25 metre spacing, this would require approximately 200 samples. Time and budget permitting, contour soil sampling should continue further south across the creek with a western limit of the tree line, and an east limit of approximately 1 kilometre from the IRC contact.

At the Waterloo showing, base metal mineralization should be followed-up using geophysical methods. The massive to semmimasive nature of the mineralization should be amenable to both EM and magnetic surveys. Small pods of sulfide mineralization have been observed at several other localities. This includes late veins of massive pyrrhotite associated with fenite and carbonatite in the zeolite altered units of the Ice River Complex, as well as conformable bands of disseminated galena and sphalerite hosted in hard altered limestone. It is suspected that the latter occur proximal to sub-unit stratigraphic contacts in the limestone, especially in close proximity to dykes and sills of syenite and/or lamprophyre; as such, these associations should be carefully assessed during future field programs both by mapping/prospecting and by geochemical means.

Budget for the proposed 2008 field and geochemical program is as follows:

Table V: Budget forcast for following field program

				no. of persons	rate	no. of days	
personnel:							
geological	Project Manager			1	$600	7	$4,200.00
	Project Geologists			1	$500	10	$5,000.00
	Geological Technicians (core lab, core processing, core geotech)			1	$350	10	$3,500.00
	Geological Technician with First Aid			1	$450	10	$4,500.00
					TOTAL PERSONNEL:		$17,200.00
analytical:	type X no.of samples X cost	rocks(prep)			50	$5.65	$282.50
		rocks(whole rock -4B)			50	$31.50	$1,575.00
		soils + silts(prep)			200	$1.75	$350.00
		soils + silts(4 acid ICP-MS + Au wet ch			200	$19.15	$3,830.00
		thin sections			30	$50.00	$1,500.00
		XRD			20	$15.00	$300.00
					TOTAL ANALYTICAL:		$7,837.50
helicopter charter: hours x rate including fuel					hours	rate	
Bell 206B (personnel / fieldwork)					4	$1,200.00	$4,800.00
					TOTAL HELICOPTER:		$4,800.00
equipment rental:					units	rate	
trucks, ATVs		2 vehicles	10 days		20	$75.00	$1,500.00
millage					960	$0.25	$240.00
communication including satellite dish, radios, satellite phone					40	$35.00	$1,400.00
mobilization of crews to Golden including meals, airfare, accommodation:							$2,000.00
pre-field:							
Base Map preparation							$1,000.00
ongoing compilation of data into GIS database							$1,000.00
permitting:							$250.00
				no. of	rate	days	
meals/groceries:				4	$60.00	10	$2,400.00
hotel:				4	$50.00	1	$200.00
shipping:				200	$20.00		$4,000.00
fuel:							$800.00
supplies:camp construction etc.							$800.00
reclamation of exploration site as required:							$800.00
report writing and reproduction:							$6,000.00
						Subtotal A:	$52,227.50
						10% contingency:	$5,222.75
						TOTAL:	**$57,450.25**


Eagle Plains Resources Ltd.
EPL:TSX-V
Ice River Property
Figure 4 - Property Geology
Projection - NAD 83 UTM Zone 11N
15/10/08
542000 m
542500 m
543000 m
543500 m
544000 m
544500 m
545000 m
545500 m
546000 m
5671500 m
5671000 m
5670500 m
5670000 m
5669500 m
5669000 m
5668500 m
5668000 m
5667500 m
5667000 m
5666500 m
5666000 m
5665500 m
5665000 m
N
Zinc Mountain
Waterloo Adits
Sodalite Cirque
Manganese Mountain
Buttress Peak
South Bowl
Mount Mollison
Moose Creek
Helmut Mountain
Yoho National Park
2c or 3?
2bf
2c
2b
2r
2a
0
2000 m
Trench
DDH2007
Collar
Trace
2007_Geo_Stations
Points
Structure07_DYKE_VN
Points : Type
Dyke
Carbonatite
Lamprophyre
Sulphide bearing
Syenite
Syenite/Lamp couplet
Zeoloite Syenite
Vein
Compositional Layering
Bedding
Faults_JAB
Lines : Type
shear
Contacts
defined
assumed
interpreted
2007 Mapping Limit
Outcrop areas
Areas
Tenure 2008
Areas

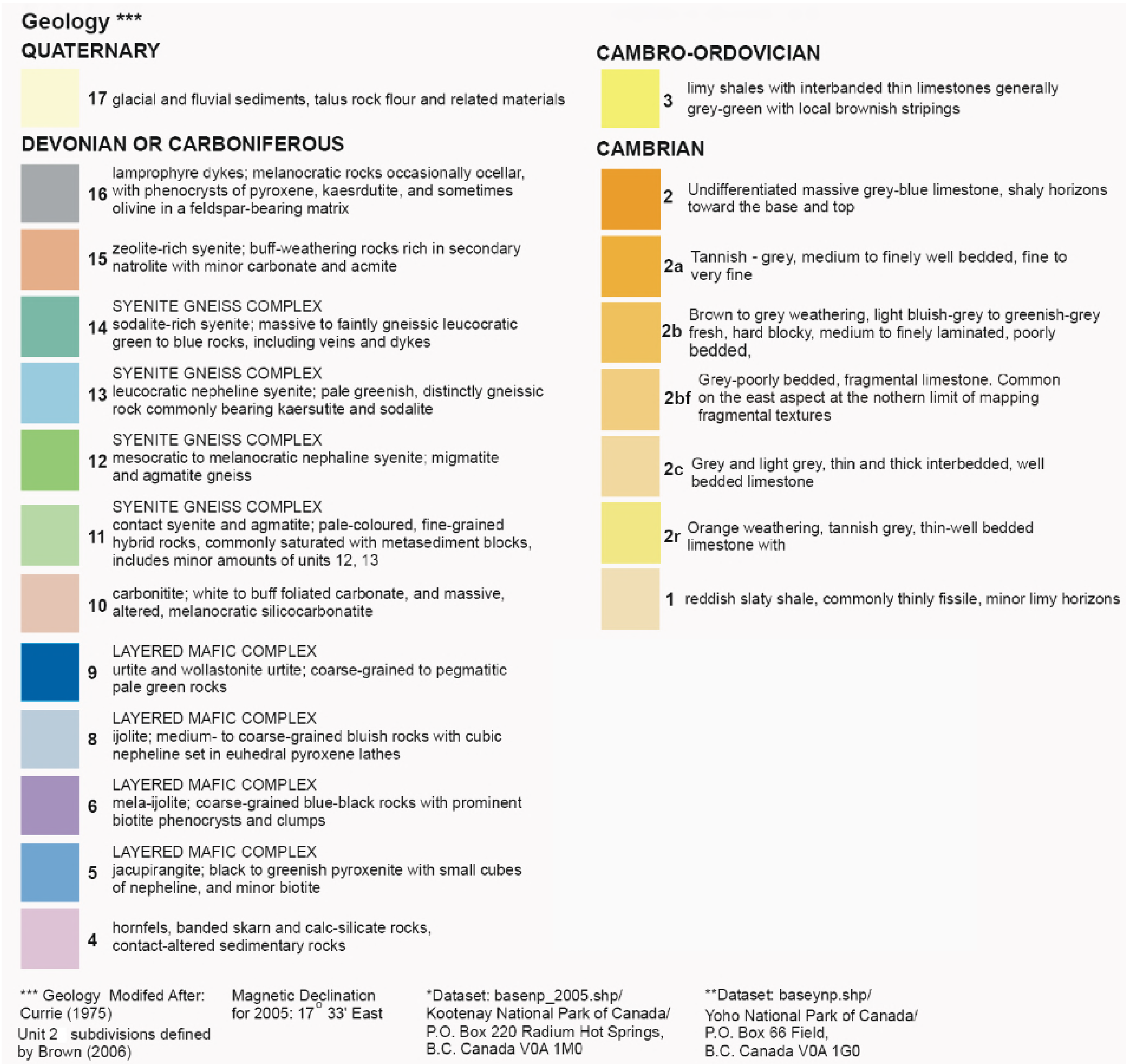
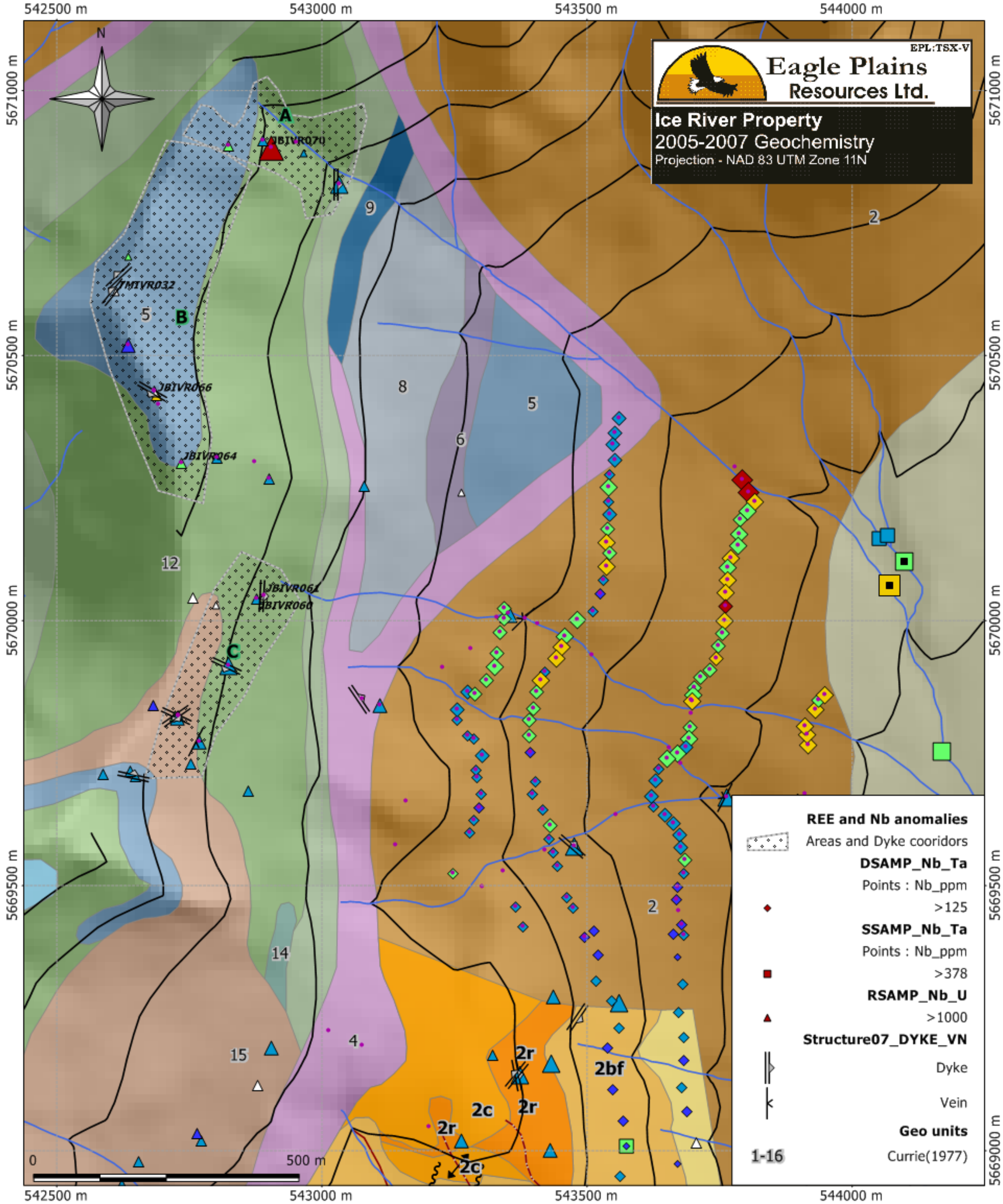


Figure 4 Property Geology Legend



Ice River Property Mineralized Zones: Zinc Mountain and Nouth Bowl

Universal Transverse Mercator - Zone 11
Lon: 116°22.794' W
Lat: 51°10.805' N
Printed at: 01/05/2008

Figure 5a – Mineralized zones, North end

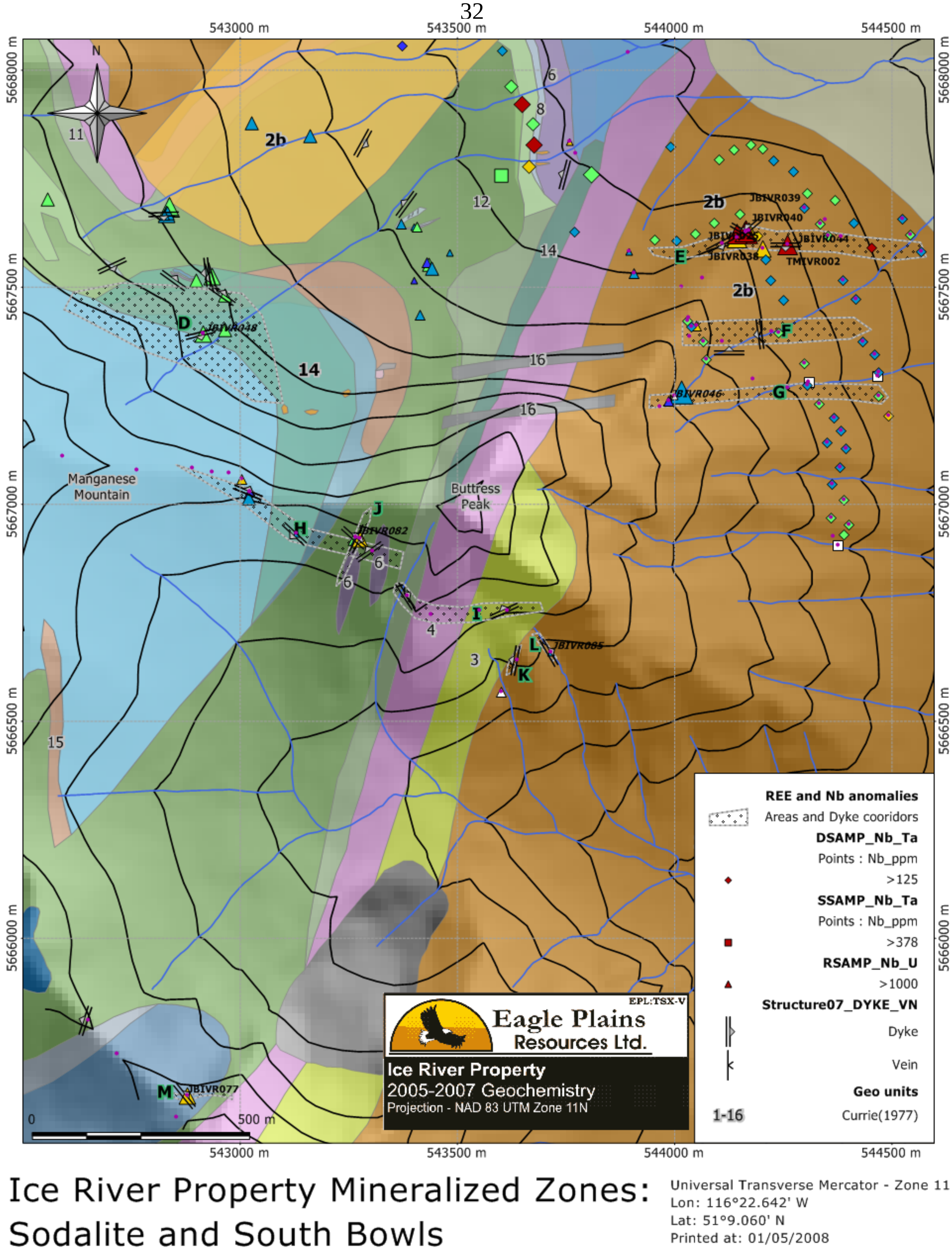


Figure 5b – Mineralized zones, South end.

Geochemistry Samples 2005-2007

Universal Transverse Mercator - Zone 11 (N)
Lon: 116°22'20" W
Lat: 51°09'55" N
Printed at: 15/07/2009
1:8000

Geochemistry Samples 2005-2007 2
2007 Sample Labels (Pb,Zn,Ag) - ppm

Universal Transverse Mercator - Zone 11 (N)
Lon: 116°22'20" W
Lat: 51°09'55" N
1:7900
Printed at: 15/07/2009

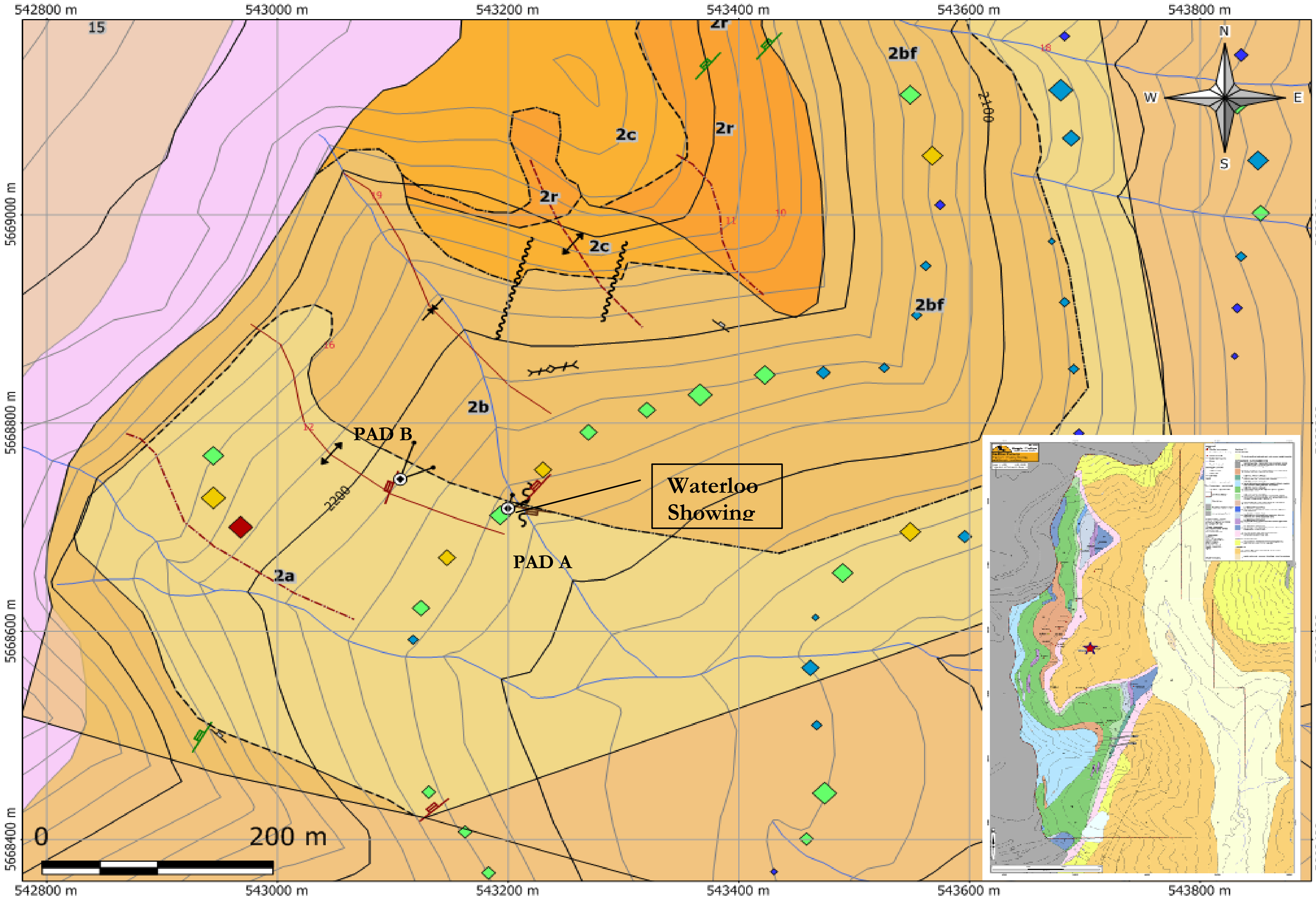


Figure 7– Waterloo Showing area with 2007 DDH pad locations.
Coloured diamonds represent relative Zn in soil results. Geologic units as per Figure 4.

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PART II: APPENDICES

GEOLOGICAL and GEOCHEMICAL and DIAMOND DRILLING REPORT

On 2007-2008 field activities

at the

ICE RIVER PROPERTY
Waterloo Prospect area
Golden Mining Division
Mapsheet 82N/01W

Center of Work
Latitude 51° 10' N, Longitude 116°23'W

Prepared for:

BOOTLEG EXPLORATION LTD.
Suite 200, 16-11th Ave. S.
Cranbrook, B.C. V1C 2P1

By

Jarrod A. Brown, M.Sc., P.Geo.
6660-A Harrop-Procter Road
Nelson, BC V1L 6R1

October 22, 2008
Updated July 14, 2009

APPENDIX I – STATEMENT OF QUALIFICATIONS

APPENDIX II – STATEMENT OF EXPENDITURES

APPENDIX IIIA – ROCK SAMPLE LOCATIONS AND DESCRIPTIONS

APPENDIX IIIB – SOIL SAMPLE LOCATIONS AND DESCRIPTIONS

APPENDIX IV – ANALYTICAL RESULTS

APPENDIX V – BEST ROCK ANALYSES TO DATE, SORTED BY ELEMENT*

APPENDIX VI – DDH STRIP LOGS

APPENDIX VII – DDH CROSS SECTIONS

APPENDIX I – STATEMENT OF QUALIFICATIONS

I, Jarrod A. Brown of 6660-A Harrop-Procter Road, in the city of Nelson in the Province of British Columbia hereby certify that:

1) I am a Professional Geoscientist registered with the Association of Professional Engineers and Geoscientists of British Columbia (#29239).

2) I am a graduate of the University of Manitoba with the degree of Master of Science in Geology (2001).

3) I am a graduate of Simon Fraser University with the degree of Bachelor of Science in Physical Geography (1997).

4) I have practiced my profession in North America since 1998, having worked for various Junior Resource Companies and government surveys.

5) This report is based upon a personal examination of all available company and government reports pertinent to the subject property, and upon fieldwork undertaken on the property in August of 2005, 2006 and 2007.

6) I hold an option to purchase 100,000 Common Shares each of Eagle Plains and Copper Canyon at $0.70 per share.

Dated this 24th day of June 2008 in Nelson, British Columbia.

Jarrod A. Brown, P. Geo.

PROFESSIONAL PROVINCE OF J. A. BROWN #29239 BRITISH COLUMBIA GEOSCIENTIST

APPENDIX II – STATEMENT OF EXPENDITURES

Ice River Project: 2007-2008 Expenditures

Exploration Work type	Comment	Days			Totals
Personnel (Name)* / Position	Field Days (list actual days)	Days	Rate	Subtotal*	
[illegible], Chuck	Aug 16-17, 2007	2	$650.00	$1,300.00	
[illegible], Jarrod A.	July 11-19, 2007; Aug 17-19, 2007	14	$600.00	$8,400.00	
Munford(?), Thomas	July 11-19, 2007; Aug 17-19, 2007; Sept 18, 2008	16	$525.00	$8,400.00	
Taylor, Nathan	July 11-19, 2007; Aug 15-19, 2007	14	$400.00	$5,600.00	
Tees(?), Ryan	July 11-19, 2007	21	$375.00	$7,875.00	
[illegible], Tim	Sept 4,15, 2008	1	$650.00	$650.00	
				$32,225.00	$32,225.00
Office Studies	List Personnel (note - Office only, do not include field days				
Core logging/splitting	Munford(?), Thomas	10.6	$276.37	$2,929.52	
Database compilation	[illegible], Jesse T	7.6(?)	$273.69(?)	$2,042.68(?)	
Computer modelling	[illegible], Chris B	1.0	$336.96	$336.96	
Permitting and Tenure	[illegible], James	7.8	$350.20	$2,735.06	
General research/gear prep	[illegible], Brad	3.6	$219.93	$790.59	
General research/gear prep	Taylor, Nathan	3.0	$163.70	$491.10	
General research/gear prep	[illegible], Glen	0.8	$266.50	$213.20	
Report preparation	[illegible], Jarrod A.	50.0	$225.22	$11,261.00	
Other (specify)	[illegible], Chuck - Project management	5.5	$358.13	$1,969.72	
				$22,780.22(?)	$22,780.22(?)
Airborne Exploration Surveys	Line Kilometres / Enter total invoiced amount				
				$0.00	$0.00
Remote Sensing	Area in Hectares / Enter total invoiced amount or list personnel				
				$0.00	$0.00
Ground Exploration Surveys	Area in Hectares/List Personnel				
Geological mapping					
Regional	500/ Jarrod and Thomas	note: expenditures here			
Reconnaissance	200/ Jarrod and Thomas	should be captured in Personnel			
Prospect	100/Jarrod, Thomas, Nathan	field expenditures above			
Underground	Define by length and width				
Trenches	Define by length and width			$0.00	$0.00
Ground geophysics	Line Kilometres / Enter total amount invoiced list personnel				
				$0.00	$0.00
Geochemical Surveying	Number of Samples	No.	Rate	Subtotal	
Drill (cuttings, core, etc.)	26	26.0	$40.67	$1,057.42	
Stream sediment	3	3.0	$40.67	$122.01	
Soil	156(?)	156.0	$40.67	$6,344.52	
Rock	77	15.0	$40.67	$610.05	
Water			$0.00	$0.00	
Biogeochemistry			$0.00	$0.00	
Whole rock	62 of 77	62.0	$40.67	$2,521.54	
Petrology			$0.00	$0.00	
Other (specify)	pulp storage	16.0	$25.58	$409.28	
				$11,064.82	$11,064.82
Drilling	No. of Holes, Size of Core and Metres	No.	Rate	Subtotal	
Diamond	5 NQ holes at two pads for total of 259.19m	259.2	$255.76	$66,290.43	
Reverse circulation (RC)			$0.00	$0.00	
Rotary air blast (RAB)			$0.00	$0.00	
Other (specify)			$0.00	$0.00	
				$66,290.43	$66,290.43
Other Operations	Clarify	No.	Rate	Subtotal	
				$0.00	$0.00
Reclamation	Clarify	No.	Rate	Subtotal	
					0

Exploration Work type	Comment	Days			Totals
Personnel (Name)* / Position	**Field Days (list actual days)**	**Days**	**Rate**	**Subtotal***	
Downie, Chuck	Aug 16-17,2007	2	$650.00	$1,300.00	
Brown, Jarrod A	July 11-19 ,2007;Aug 15-19,2007	14	$600.00	$8,400.00	
Mumford, Thomas	July 11-19 ,2007;Aug 15-19,2007; Sept4,19, 2008	16	$525.00	$8,400.00	
Taylor, Nathan.	July 11-19 ,2007;Aug 15-19,2007	14	$400.00	$5,600.00	
Tapp, Ryan	July 11-19 ,2007	21	$375.00	$7,875.00	
Termuende, Tim	Sept 4,19, 2008	1	$650.00	$650.00	
				$32,225.00	**$32,225.00**
Office Studies	**List Personnel (note - Office only, do not include field days**				
Core logging/splitting	Mumford, Thomas	10.6	$276.37	$2,929.52	
Database compilation	Campbell, Jesse T	7.5	$273.69	$2,052.68	
Computer modelling	Gallagher, Chris S	1.0	$336.96	$336.96	
Permitting and Tenure	Ryley, James	7.8	$350.20	$2,735.06	
General research/gear prep	Robison, Brad	3.8	$210.93	$790.99	
General research/gear prep	Taylor, Nathan	3.0	$163.70	$491.10	
General research/gear prep	Hendrickson, Glen	0.8	$266.50	$213.20	
Report preparation	Brown, Jarrod A	50.0	$225.22	$11,261.00	
Other (specify)	Downie, Chuck - Project Management	5.5	$358.13	$1,969.72	
				$22,780.22	**$22,780.22**
Airborne Exploration Surveys	**Line Kilometres / Enter total invoiced amount**				
				$0.00	**$0.00**
Remote Sensing	**Area in Hectares / Enter total invoiced amount or list personnel**				
				$0.00	**$0.00**
Ground Exploration Surveys	**Area in Hectares/List Personnel**				
Geological mapping					
Regional	500/ Jarrod and Thomas	*note: expenditures here*			
Reconnaissance	200/ Jarrod and Thomas	*should be captured in Personnel*			
Prospect	100/Jarrod, Thomas, Nathan	*field expenditures above*			
Underground	Define by length and width				
Trenches	Define by length and width			$0.00	**$0.00**
Ground geophysics	**Line Kilometres / Enter total amount invoiced list personnel**				
				$0.00	**$0.00**
Geochemical Surveying	**Number of Samples**	**No.**	**Rate**	**Subtotal**	
Drill (cuttings, core, etc.)	26	26.0	$40.67	$1,057.42	
Stream sediment	3	3.0	$40.67	$122.01	
Soil	*156*	156.0	$40.67	$6,344.52	
Rock	*77*	15.0	$40.67	$610.05	
Water			$0.00	$0.00	
Biogeochemistry			$0.00	$0.00	
Whole rock	62 of 77	62.0	$40.67	$2,521.54	
Petrology			$0.00	$0.00	
Other (specify)	pulp storage	16.0	$25.58	$409.28	
				$11,064.82	**$11,064.82**
Drilling	**No. of Holes, Size of Core and Metres**	**No.**	**Rate**	**Subtotal**	
Diamond	5 NQ holes at two pads for total of 259.19m	259.2	$255.76	$66,290.43	
Reverse circulation (RC)			$0.00	$0.00	
Rotary air blast (RAB)			$0.00	$0.00	
Other (specify)			$0.00	$0.00	
				$66,290.43	**$66,290.43**
Other Operations	**Clarify**	**No.**	**Rate**	**Subtotal**	
				$0.00	**$0.00**
Reclamation	**Clarify**	**No.**	**Rate**	**Subtotal**	
					0

Transportation		**No.**	**Rate**	**Subtotal**	
Airfare		1.00	$94.72	$94.72	
Taxi			$0.00	$0.00	
truck rental		13.00	$219.63	$2,855.19	
kilometers			$0.00	$0.00	
ATV			$0.00	$0.00	
fuel		16.00	$401.73	$6,427.68	
Helicopter (hours)		30.10	$1,928.76	$58,055.68	
Fuel (litres/hour)		30.10	$230.48	$6,937.45	
Other	Bus	1.00	$50.95	$50.95	
				$74,421.66	**$74,421.66**
Accommodation & Food	**Rates per day**				
Hotel		20.00	$114.35	$2,287.00	
Camp	field & camp supplies	16.00	$209.87	$3,357.92	
Meals	day rate or actual costs-specify	23.00	$88.70	$2,040.10	
				$7,685.02	**$7,685.02**
Miscellaneous					
				$0.00	**$0.00**
Equipment Rentals					
Field Gear (Specify)	fuel pump, & water pump	7.00	$93.05	$651.35	
Other (Specify)	core splitter	31.00	$18.74	$580.94	
				$1,232.29	**$1,232.29**
Freight, rock samples					
		7.0	$56.57	$395.99	
			$0.00	$0.00	
				$395.99	**$395.99**
TOTAL Expenditures					**$216,095.44**

APPENDIX IIIa – ROCK SAMPLE LOCATIONS AND DESCRIPTIONS

SAMP_NUM	UTM_X NAD83	UTM_Y NAD83	SAMP TYPE	ACME batch #	RSAMP_DESC	(Cnts/sec) RS-120 Scint
JBIVR034	543759	5667835	CHIP	A706910R	Syenite, fine to medium grained, pinkish grey fresh, greay weathered. Fe-staining on stockwork	1500
JBIVR035	543894	5667581	TALUS	A706910R	Syenite&Ijolite breccia w. minor skarn w. minor Ds py & tr. Euhedral apatite?.	3000
JBIVR036	543907	5667531	TALUS	A706910R	Carbonatite, Very coarse euheral calcite(40%),white, in coarse grained, syenite matrx. 2% pyrxene. =Possible Carbonatite. 5000/700. Dk grn fractures affect cnts.	5000
JBIVR037	544051	5667410	GRAB	A706910R	syenite dyke	4100
JBIVR038	544143	5667613	GRAB	A706910R	syenite dyke -fine to med grained, grey-green	3000
JBIVR039	544172	5667630	TALUS	A706910R	syenite, rusty talus	
JBIVR040	544165	5667627	GRAB	A706911	syenite, cse amph-phyric, plag-bte in matrix	3000
JBIVR042	544165	5667627	GRAB	A706910R	syenite @ S end of OC	5600
JBIVR044	544261	5667598	GRAB	A706910R	syenite, fn-md grnd with sodalite	2900
JBIVR045	544001	5667249	GRAB	A705367	syenite +- qtz vein (20cm) w. sinuous vnlts of qtz-feld+blk-bte or ox?+ elongate or-pink phosphates?	3000
JBIVR046	543987	5667238	GRAB	A705367	travertine-calcite with syenite veinlet stockwork, cont. 20-40% grn-blk subhed. Phos? And 5-10% subhed red apatite?	35000
JBIVR047	542914	5667392	CHIP	A706910R	syenite-zeolite-nepheline w. collector quality zeolite and calcite to 10cm. 1m chip across 7000 cnts.	7000
JBIVR048	542914	5667392	CHIP	A706910R	syenite-zeolite-nepheline, punky-chalky w. 10% amorphous brn-blk+ornge pnky minerals. 2.5 m chip.	13000
JBIVR049	542688	5668534	GRAB	A706910R	massive Po-Py vein hosted in zeolite syenite	
JBIVR050	542688	5668534	GRAB	A706910R	syenite, fractured, rusty ankeritic, fine grained	56000
JBIVR051	542620	5668538	CHIP	A706910R	syenite, fractured, rusty ankeritic, fine grained near contact with mesocratic ijolite. 60 cm sy. Chip	7500
JBIVR052	543477	5669573	GRAB	A706911	syenite dyke, 1.25m wide, fine grained. 1% ds Py and trace 3mm cubes of Galena. Hosted in well bedded 2r	1400
JBIVR053	543764	5669665	CHIP	A706911	Syenite sill 1.5 m: yl-gry, sericite altered, fn grained with tr. Ds py +- Mo? On FF.	1100
JBIVR054	543352	5670014	CHIP	A706911	Syenite sill 1 m: gry, rsty stain, fn grnd +FF of Po (no mag Py?) +- trace Cpy	1000
JBIVR055	543110	5669840	CHIP	A706911	Syenite sill, 1.25m, rusty v. fn grnd hosted in buff weathered well bedded lst.	1500
JBIVR056	542768	5669771	GRAB	A706910R	fracture fill network of drusy phlogopite and apple green mice-amph? Hosted in fn-med grained leucosyenite.	
JBIVR057	542730	5669820	GRAB	A706911	lamprophyre dyke, charcoal grey, fn-grnd, sparsely amphibole&phlogopite phyric, non-magnetic, very calcareous. 38 cm wide.	
JBIVR058	542730	5669820	GRAB	A706911	syenite dyke, pnk-gry, med grained, equigranular, 20-35 cm wide.	650
JBIVR059	542824	5669915	GRAB	A706911	syenite dyke, white weathering, lt-gry fresh, fn-med grained with patchy Ds py. 70 cm wide.	
JBIVR060	542878	5670041	GRAB	A705367	Fenite? Punky phlogopite rich jacupirangite?	13000
JBIVR061	542891	5670047	CHIP	A705367	carbonatite, wht-gry and orng, pegmatitic dyke, 70 cm wide = chip.	10000
JBIVR062	542900	5670267	GRAB	A706911	Jacupirangite for Ti analysis	
JBIVR063	542801	5670307	GRAB	A705367	carbonatite, heavy oxides, raft	500

SAMP_NUM	UTM_X NAD83	UTM_Y NAD83	SAMP TYPE	ACME batch #	RSAMP_DESC	(Cnts/sec) RS-120 Scint
JBIVR064	542734	5670296	GRAB	A705367	carbonatite dyke, 1m, pegmatitic, white. V. Cse euhedral calcite, 10% salmon coloured phosphate?, 1-5% steely banding parallel to dyke margin	
JBIVR065	542685	5670432	CHIP	A705367	Fenitized Jacupirangite host, 0.5 m	16000
JBIVR066	542685	5670432	CHIP	A705367	Fenitized Jacupirangite host, 0.5 m	6300
JBIVR067	542685	5670432	CHIP	A705367	carbonatite, white, course, 2.5m	10000
JBIVR068	542634	5670519	CHIP	A705367	syenite, sodalite dyke	
JBIVR069	543032	5670821	GRAB	A705367	syenite, sodalite dyke	2300
JBIVR070	542904	5670891	GRAB	A705367	syenite pegmatite (1-2 m dyke), acmite&augite+sodalite plus minor wine coloured apatite?	1500
JBIVR071	542890	5670904	GRAB	A705367	carbonatite dykelet, 25 cm wide, yl-wht, w. 5% submetallic, equant pyrochlore?/columbite?	9600
JBIVR072	542825	5670896	GRAB	A705367	syenite, eudialyte?-augite-nepheline, med grained	
JBIVR073	542730	5669820	GRAB	A705367	leucosyenite host to sample JBIVR058 = chilled margin	
JBIVR075	542299	5667757	CHIP	A706910R	Fenitized Jacupirangite, 50cm zone	7000
JBIVR076	542299	5667757	CHIP	A706910R	Carbonatite, 20cm dyke & 25 cm massive Po-Py +- Pentlandite??	7000
JBIVR077	542878	5665636	GRAB	A706911	Syenite dyke, 4m thick, fn-grnd, moderately rusty	1200
JBIVR078	543003	5667058	GRAB	A706911	Lamp or Carb?, 5m wide dyke. 20% calcite, 30% zeolite laths and needles, 5% acmite, 30% feld or neph, 15% mafics/oxides? No mag	
JBIVR079	543022	5667028	CHIP	A706911	Syenite, sodalite dyke, 1m w. 10-15% sodalite; 15-20% black pyroxene to 4 cm, forms weak comb-texture.	1200
JBIVR080	543022	5667028	GRAB	A706911	mafic dyke (3m) in Footwall of previous, = dk charcoal grey, fn-graind, bte-after-pyroxene phyric.	800
JBIVR081	543129	5666932	GRAB	A706910R	Syenite, sodalite dyke, 10-20cm wide. 10-15% sodalite; brown punky margins; distinct hematite staining.	3000
JBIVR082	543267	5666922	GRAB	A706910R	syenite, zeolite, at intersection with another zeolite rich structure.	6600
JBIVR083	543267	5666922	CHIP	A706910R	syenite, zeolite, 120cm chip, coarse vuggy, zeolite rich sy and/or carbonatite. 30%fine carbonate.	9000
JBIVR084	543276	5666919	CHIP	A706910R	syenite, zeolite, 40cm wide dyke, vuggy with brick red trigonal euhedra and FF common.	2200
JBIVR085	543715	5666658	GRAB	A706910R	Carbonatite brownish, +- pink zeo-syenite, composite chip over 4 dykes in swarm, resides solely in 2c unit.	
JBIVR086	543601	5666566	GRAB	A706910R	Pyrrohtite, semimassive FF in LST unit 2c	4000
TMIVR002	544202	5667589	GRAB	A706910R	Poorly bedded, conglomeratic, dark grey-bluish grey, hard, unit 2b, moderate-strong skarn, elevated counts of 1500 have associated fluorite	1500
TMIVR003	544016	5667257	GRAB	A706910R	unknown black mineral in syenite (altered) light pink feldspar bearing syenite with 25% soft subangular, glimmering oxide/phosphate. Could be biotite altered	40000
TMIVR008	542687	5668538	GRAB	A706911	Jacupirangite	
TMIVR009	542830	5667668	GRAB	A706911	finegrained syenite dyke	
TMIVR010	542830	5667668	GRAB	A706911	very finegrained lamprophyre	
TMIVR011	542830	5667668	GRAB	A706911	pegmatitic syenite, small amounts of sodalite	
TMIVR012	542830	5667668	GRAB	A706911	Coarse grained syenite, minor sodalite	
TMIVR014	542938	5667522	GRAB	A706911	lamp with quenched borders 0.75m thick	

SAMP_NUM	UTM_X NAD83	UTM_Y NAD83	SAMP TYPE	ACME batch #	RSAMP_DESC	(Cnts/sec) RS-120 Scint
TMIVR015	542938	5667522	GRAB	A706911	Coarse grained syenite thickness 0.75m	
TMIVR017	542753	5669729	GRAB	A706911	lamp with quenched margins	
TMIVR018	542649	5669705	GRAB	A706911	lamp dyke with feldspar rich margin, irregular contact	
TMIVR019	542638	5669716	GRAB	A706911	sample of recrystallized zone with minimal sodalite, possible eudialyte in sample as small pink grains	
TMIVR020	542588	5669710	GRAB	A706911	lamprophyre	
TMIVR021	542683	5669840	GRAB	A706910R	carbonatite vein (with possible pyrochlore)	
TMIVR022	542758	5670043	GRAB	A706910R	massive calcite in pegmatitic carbonatite, no orientation possible	
TMIVR023	543322	5669179	GRAB	A706911	mafic dyke? Lamp??	
TMIVR024	543436	5669291	GRAB	A706910R	syenite dyke	
TMIVR025	542966	5670882	GRAB	A706910R	unknown lithology, possible syenite, very rusty	
TMIVR026	542768	5668827	GRAB	A706911	lamp	
TMIVR027	542768	5668827	GRAB	A706911	syenite dyke	
TMIVR028	542315	5667792	GRAB	A706911	syenite	
TMIVR029	542315	5667792	GRAB	A706911	Fine grained syenite dyke	
TMIVR030	542300	5667764	GRAB	A706911	lamp	
TMIVR031	542300	5667764	GRAB	A706911	coarse grained zeolite altered syenite	
TMIVR032	542612	5670619	GRAB	A706910R	carbonatite vein	10000
TMIVR033	542634	5670686	GRAB	A706911	melasyenite	
TMIVR034	542848	5671132	GRAB	A706911	mafic dyke? Lamp??	

APPENDIX IIIb – SOIL SAMPLE LOCATIONS AND DESCRIPTIONS

SAMP_NUM	ELEV (m) AMSL	UTM_X NAD 83	UTM_Y NAD83	ACME batch #	DSAMP COLOUR1	DSAMP HORIZON	DSAMP QUALITY 5=excellent
NTIVD001	2132	544029	5667422	A705366-1EX	brown	B	3
NTIVD002	2125	544038	5667407	A705366-1EX	dark	B	5
NTIVD003	2113	544066	5667373	A705366-1EX	brown	B	5
NTIVD004	2114	544072	5667334	A705366-1EX	brown	B	4
NTIVD005	1750	544525	5667656	A705366-1EX	brown	B	4
NTIVD006	1750	544544	5667620	A705366-1EX	brown	B	4
NTIVD007	1750	544567	5667581	A705366-1EX	black	O	1
NTIVD008	1749	544616	5667499	A705366-1EX	black	O	1
NTIVD009	1749	544640	5667398	A705366-1EX	black	O	1
NTIVD010	1753	544643	5667298	A705366-1EX	black	B	3
NTIVD011	1764	544644	5667250	A705366-1EX	brown	B	5
NTIVD012	1750	544674	5667220	A705366-1EX	brown	B	4
NTIVD013	1850	544492	5667202	A705366-1EX	brown	B	5
NTIVD014	1850	544470	5667249	A705366-1EX	brown	B	5
NTIVD015	1850	544469	5667302	A705366-1EX	brown	B	3
NTIVD016	1848	544460	5667343	A705366-1EX	brown	B	4
NTIVD017	1860	544433	5667374	A705366-1EX	brown	B	4
NTIVD018	1848	544418	5667472	A705366-1EX	brown	B	4
NTIVD019	1852	544389	5667516	A705366-1EX	brown	B	3
NTIVD020	1950	544240	5667394	A705366-1EX	brown	B	4
NTIVD021	1946	544298	5667325	A705366-1EX	brown	B	2
NTIVD022	1950	544304	5667274	A705366-1EX	brown	B	4
NTIVD023	1960	544334	5667229	A705366-1EX	brown	B	4
NTIVD024	1953	544367	5667197	A705366-1EX	brown	B	5
NTIVD025	1949	544382	5667168	A705366-1EX	brown	B	5
NTIVD026	1950	544395	5667128	A705366-1EX	brown	B	5
NTIVD027	1947	544380	5667085	A705366-1EX	brown	B	5
NTIVD028	1950	544363	5667045	A705366-1EX	brown	B	5
NTIVD029	1949	544389	5667010	A705366-1EX	brown	B	4
NTIVD030	1947	544400	5666953	A705366-1EX	brown	B	5
NTIVD031	1950	544391	5666929	A705366-1EX	brown	B	5
NTIVD032	1970	544361	5666969	A705366-1EX	brown	O	2

SAMP_NUM	ELEV (m) AMSL	UTM_X NAD 83	UTM_Y NAD83	ACME batch #	DSAMP COLOUR1	DSAMP HORIZON	DSAMP QUALITY 5=excellent
NTIVD033	2005	544352	5667140	A705366-1EX	brown	B	4
NTIVD034	1950	543859	5669321	A705366-1EX	brown	A	2
NTIVD035	1956	543862	5669338	A705366-1EX	brown	B	3
NTIVD036	1950	543868	5669358	A705366-1EX	brown	A	3
NTIVD037	1950	543873	5669378	A705366-1EX	brown	B	3
NTIVD038	1950	543876	5669394	A705366-1EX	brown	B	4
NTIVD039	1950	543882	5669423	A705366-1EX	brown	B	4
NTIVD040	1950	543887	5669446	A705366-1EX	brown	B	4
NTIVD041	1950	543889	5669464	A705366-1EX	brown	B	3
NTIVD042	1950	543899	5669489	A705366-1EX	brown	A	2
NTIVD043	1950	543903	5669510	A705366-1EX	brown	B	4
NTIVD044	1956	543912	5669539	A705366-1EX	brown	B	4
NTIVD045	1950	543913	5669564	A705366-1EX	brown	B	5
NTIVD046	1947	543909	5669581	A705366-1EX	brown	B	4
NTIVD047	1959	543900	5669604	A705366-1EX	brown	B	5
NTIVD048	1956	543887	5669637	A705366-1EX	brown	B	4
NTIVD049	1948	543897	5669657	A705366-1EX	brown	B	4
NTIVD051	1950	543918	5669766	A705366-1EX	brown	B	4
NTIVD052	1950	543916	5669785	A705366-1EX	brown	B	4
NTIVD053	1948	543911	5669801	A705366-1EX	brown	B	4
NTIVD054	1953	543930	5669831	A705366-1EX	brown	B	4
NTIVD055	1950	543937	5669849	A705366-1EX	brown	B	4
NTIVD056	1951	543949	5669858	A705366-1EX	brown	B	4
NTIVD057	2150	543560	5670382	A705366-1EX	brown	B	3
NTIVD058	2150	543553	5670354	A705366-1EX	brown	B	2
NTIVD059	2150	543549	5670331	A705366-1EX	brown	A	2
NTIVD060	2150	543552	5670303	A705366-1EX	brown	B	3
NTIVD061	2150	543542	5670275	A705366-1EX	brown	B	5
NTIVD062	2150	543541	5670250	A705366-1EX	brown	B	5
NTIVD063	2150	543541	5670224	A705366-1EX	brown	B	4
NTIVD064	2150	543543	5670199	A705366-1EX	brown	B	3
NTIVD065	2149	543539	5670172	A705366-1EX	brown	B	5
NTIVD066	2152	543537	5670147	A705366-1EX	brown	B	4
NTIVD067	2150	543542	5670127	A705366-1EX	brown	A	2

SAMP_NUM	ELEV (m) AMSL	UTM_X NAD 83	UTM_Y NAD83	ACME batch #	DSAMP COLOUR1	DSAMP HORIZON	DSAMP QUALITY 5=excellent
NTIVD068	2150	543537	5670101	A705366-1EX	brown	B	4
NTIVD069	2147	543531	5670076	A705366-1EX	brown	B	4
NTIVD070	2150	543524	5670051	A705366-1EX	brown	B	3
NTIVD071	2150	543511	5670018	A705366-1EX	brown	B	4
NTIVD072	2150	543481	5670001	A705366-1EX	brown	B	5
NTIVD073	2150	543458	5669970	A705366-1EX	brown	B	5
NTIVD074	2151	543452	5669950	A705366-1EX	brown	B	4
NTIVD075	2150	543443	5669928	A705366-1EX	brown	B	3
NTIVD076	2150	543420	5669902	A705366-1EX	brown	B	5
NTIVD077	2150	543412	5669888	A705366-1EX	brown	B	3
NTIVD078	2150	543406	5669865	A705366-1EX	brown	B	4
NTIVD079	2150	543399	5669834	A705366-1EX	brown	B	4
NTIVD080	2150	543390	5669813	A705366-1EX	brown	B	4
NTIVD081	2148	543392	5669782	A705366-1EX	brown	B	4
NTIVD082	2150	543392	5669750	A705366-1EX	brown	B	4
NTIVD083	2150	543402	5669696	A705366-1EX	brown	B	4
NTIVD084	2150	543397	5669671	A705366-1EX	brown	B	2
NTIVD085	2166	543416	5669642	A705366-1EX	brown	B	3
NTIVD086	2153	543430	5669613	A705366-1EX	brown	B	4
NTIVD087	2155	543429	5669587	A705366-1EX	brown	B	5
NTIVD088	2156	543436	5669562	A705366-1EX	brown	B	5
NTIVD089	2150	543444	5669537	A705366-1EX	brown	B	4
NTIVD090	2151	543462	5669478	A705366-1EX	brown	B	3
NTIVD091	2154	543475	5669458	A705366-1EX	brown	B	5
NTIVD092	2150	543495	5669403	A705366-1EX	brown	B	5
NTIVD093	2211	543379	5669423	A705366-1EX	brown	B	5
NTIVD094	2216	543366	5669460	A705366-1EX	brown	B	5
NTIVD095	2250	543248	5669522	A705366-1EX	brown	B	2
NTIVD096	2150	543278	5669599	A705366-1EX	brown	B	3
NTIVD097	2150	543287	5669622	A705366-1EX	brown	B	5
NTIVD098	2250	543297	5669646	A705366-1EX	brown	B	5
NTIVD099	2250	543300	5669673	A705366-1EX	brown	B	5
NTIVD100	0	543292	5669703	A705366-1EX			
NTIVD101	0	543291	5669717	A705366-1EX			

SAMP_NUM	ELEV (m) AMSL	UTM_X NAD 83	UTM_Y NAD83	ACME batch #	DSAMP COLOUR1	DSAMP HORIZON	DSAMP QUALITY 5=excellent
NTIVD102	0	543303	5669744	A705366-1EX			
NTIVD103	0	543287	5669777	A705366-1EX			
NTIVD104	0	543275	5669783	A705366-1EX			
NTIVD105	0	543255	5669811	A705366-1EX			
NTIVD106	0	543255	5669831	A705366-1EX			
NTIVD107	0	543275	5669865	A705366-1EX			
NTIVD108	0	543289	5669861	A705366-1EX			
NTIVD109	0	543310	5669887	A705366-1EX			
NTIVD110	0	543325	5669913	A705366-1EX			
NTIVD111	0	543330	5669939	A705366-1EX			
NTIVD112	0	543337	5669977	A705366-1EX			
NTIVD113	0	543344	5670002	A705366-1EX			
NTIVD114	0	543343	5670024	A705366-1EX			
RTIVD002	0	543792	5670266	A705366-1EX			
RTIVD003	0	543804	5670242	A705366-1EX			
RTIVD004	0	543817	5670223	A705366-1EX			
RTIVD005	0	543802	5670207	A705366-1EX			
RTIVD006	0	543789	5670190	A705366-1EX			
RTIVD007	0	543786	5670163	A705366-1EX			
RTIVD008	0	543784	5670141	A705366-1EX			
RTIVD009	0	543772	5670118	A705366-1EX			
RTIVD010	0	543765	5670100	A705366-1EX			
RTIVD011	0	543766	5670075	A705366-1EX			
RTIVD012	0	543762	5670052	A705366-1EX			
RTIVD013	0	543761	5670026	A705366-1EX			
RTIVD014	0	543760	5670000	A705366-1EX			
RTIVD015	0	543756	5669976	A705366-1EX			
RTIVD016	0	543748	5669953	A705366-1EX			
RTIVD017	0	543744	5669929	A705366-1EX			
RTIVD018	0	543731	5669907	A705366-1EX			
RTIVD019	0	543713	5669892	A705366-1EX			
RTIVD020	0	543703	5669873	A705366-1EX			
RTIVD021	0	543700	5669860	A705366-1EX			
RTIVD022	0	543698	5669848	A705366-1EX			

SAMP_NUM	ELEV (m) AMSL	UTM_X NAD 83	UTM_Y NAD83	ACME batch #	DSAMP COLOUR1	DSAMP HORIZON	DSAMP QUALITY 5=excellent
RTIVD023	0	543695	5669799	A705366-1EX			
RTIVD024	0	543692	5669777	A705366-1EX			
RTIVD025	0	543687	5669761	A705366-1EX			
RTIVD026	0	543670	5669749	A705366-1EX			
RTIVD027	0	543650	5669739	A705366-1EX			
RTIVD028	0	543636	5669719	A705366-1EX			
RTIVD029	0	543629	5669697	A705366-1EX			
RTIVD030	0	543622	5669669	A705366-1EX			
RTIVD031	0	543626	5669649	A705366-1EX			
RTIVD032	0	543647	5669632	A705366-1EX			
RTIVD033	0	543663	5669617	A705366-1EX			
RTIVD034	0	543674	5669595	A705366-1EX			
RTIVD035	0	543677	5669572	A705366-1EX			
RTIVD036	0	543684	5669549	A705366-1EX			
RTIVD037	0	543682	5669523	A705366-1EX			
RTIVD038	0	543672	5669497	A705366-1EX			
RTIVD039	0	543669	5669472	A705366-1EX			
RTIVD041	0	543680	5669426	A705366-1EX			
RTIVD042	0	543683	5669406	A705366-1EX			
TMIVD001		544354	5667618	A705366-1EX	brown	B	5
TMIVD002	1855	544335	5667645	A705366-1EX	dark	B	5
TMIVD003	1853	544298	5667681	A705366-1EX	dark	B	5

Appendix 4 – Analytical Certificates

4.1 Rock and Diamond Drill Core Samples

4.1.1 – Acme Group 4A Fusion ICP - ES
4.1.2 – Acme Group 4B REE Fusion ICP - MS
4.1.3 - Acme Group 1DX ICP-MS
4.1.4 - Beccquerel INAA
4.1.5 - Ecotech Fire Assay
4.1.6 – Ecotech ICP-MS

4.2 Soil and Silt Samples

4.2.1 - Acme Group 3A ICP-MS
4.2.2 – Acme Group 1EX ICP-MS

Appendix 4.1.1

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT
To Eagle Plains Resources Ltd. PROJECT Ice River
Acme file # A706910 Received: OCT 5 2007 * 30 samples in this disk file.
Analysis: GROUP 4A - 0.200 GM SAMPLE BY LIBO2/LI2B4O7 FUSION, ANALYSIS BY ICP-ES. (LIBO2/LI2B4O7 FUSION MAY NOT BE SUITABLE FOR MASSIVE SULFIDE OR HIGH

ELEMENT	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ba	Ni	Sr	Zr	Y	Nb	Sc	LOI	TOT/C	TOT/S	SUM
SAMPLES	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
JBIVR034	39.81	13.18	15.97	5.32	1.99	0.33	5.38	3.87	0.49	0.91	<.001	6345	<5	398	126	62	599	12	11.8	0.1	0.05	99.95
JBIVR035	30.52	9.31	7.85	2.86	21.35	3.83	2.66	0.56	0.24	0.81	0.006	3684	18	10004	160	244	81	7	18.3	4.91	0.34	99.91
JBIVR036	22.31	7.13	6.62	1.89	31.11	2.92	1.72	0.4	0.55	0.42	0.005	472	17	4260	418	229	132	13	24.3	6.49	0.39	100
JBIVR037	59.26	13.11	5.05	1.79	5.75	7.65	3.1	0.43	0.25	1.03	0.002	388	6	357	3351	112	569	9	1.5	0.32	<.01	99.56
JBIVR038	53.41	17	8.04	0.24	2.47	9.7	3.79	0.21	0.04	0.28	0.003	477	<5	843	1137	29	814	2	4.4	0.49	0.01	100
JBIVR039	59.43	17.58	5.51	0.04	0.9	8.51	3.58	0.46	<.01	0.08	<.001	336	<5	341	7311	31	851	<1	2.7	0.07	1.02	99.98
JBIVR042	59.5	14.84	7.57	0.13	0.26	8.64	4.16	0.87	<.01	0.21	<.001	3302	17	166	2711	20	3208	2	2.2	0.05	0.02	99.61
JBIVR044	60.08	13.78	10.05	0.2	0.35	9.32	3.59	1.54	0.01	0.36	<.001	603	<5	90	6237	18	2052	4	-0.6	0.04	0.01	99.9
JBIVR047	47.46	24.3	1.45	0.23	1.22	11.57	2.89	0.79	0.36	0.26	<.001	1280	11	1108	294	83	168	<1	8.9	0.17	<.01	99.78
JBIVR048	45.7	22.11	5.08	0.55	2.01	3.14	3.98	1.6	0.21	0.31	<.001	2793	19	6618	462	221	288	<1	13.2	0.28	<.01	99.09
JBIVR049	18.46	9.72	39.8	2.43	4.46	1.63	2.39	1.5	<.01	0.38	0.001	1649	359	569	24	7	208	3	18.5	3.13	15.88	99.61
JBIVR050	49.63	14.53	13.97	0.56	3.1	6.97	0.87	1.63	0.86	0.49	<.001	1763	20	979	6679	434	254	79	5.8	0.42	<.01	99.73
JBIVR051	43.86	14.21	11.69	0.66	8.26	6.82	0.62	2.12	3.35	0.61	<.001	1406	13	5050	113	293	198	6	6.8	0.97	0.23	99.8
JBIVR056	48.78	15.48	14.52	1.83	1.46	6.93	7.17	0.38	0.16	0.15	<.001	1532	<5	417	146	24	91	6	2.8	0.37	1.78	99.92
JBIVR075	28.15	13.38	23.91	2.26	2.74	4.05	1.53	0.87	0.18	0.45	<.001	>50000	7	2224	611	198	252	7	11.6	0.63	1.24	99.6
JBIVR076	1.27	0.78	74.27	<.01	0.16	0.14	0.05	<.01	0.05	0.05	0.003	7920	9	654	23	21	<5	<1	22.2	0.16	33.13	99.98
JBIVR081	33.14	18.35	5.82	1.64	6.96	7.57	2.44	1.39	0.71	0.61	<.001	>50000	6	5153	69	105	215	2	12.9	1.9	0.43	99.83
JBIVR082	33.94	10.75	10.84	2.12	6.25	1.01	7.05	0.55	0.02	0.43	<.001	>50000	10	22238	98	117	235	2	11.3	2.56	0.44	99.63
JBIVR083	21.08	10.55	12.02	1.87	17.28	0.82	0.82	0.69	<.01	1.3	<.001	>50000	12	25094	74	111	113	2	22.7	4.22	0.04	99.39
RE JBIVR083	21.67	10.7	12.28	1.91	17.42	0.84	0.83	0.72	0.01	1.35	<.001	>50000	14	24763	73	112	117	2	21.2	4.09	0.05	99.38
JBIVR084	39.95	21.17	2.58	0.27	5.11	10.15	1.19	3.33	3.12	0.24	<.001	33690	9	1373	56	622	626	2	8.5	0.33	0.01	99.86
JBIVR085	10.13	3.93	10.62	5.15	18.84	0.43	2.28	0.23	<.01	1.59	<.001	>50000	68	29874	130	206	122	8	24.5	6.92	0.36	99.13
JBIVR086	48.19	16.46	9.67	3.12	10.6	5.23	1.5	0.65	0.09	0.13	0.012	1263	50	709	108	50	30	14	4	0.3	1.96	99.91
TMIVR002	60.29	17.72	2.95	0.4	1.21	6.98	5.42	0.38	0.02	0.16	<.001	9575	7	1856	4485	22	869	1	2.2	0.47	0.05	99.78
TMIVR003	11.9	2.59	9.26	1.23	30.99	0.42	1.15	0.31	0.97	1.23	<.001	4724	17	462	6384	774	224	80	28.3	6.58	0.01	89.96
TMIVR021	5.52	1.97	1.73	0.29	48.34	1.16	0.45	0.23	0.05	0.45	<.001	1090	<5	1813	88	81	38	2	39.5	10.39	0.01	100.04
TMIVR022	0.84	0.16	1.14	0.21	53.3	0.08	0.05	0.22	0.22	1.71	<.001	306	6	2058	81	71	29	2	41.6	11.79	0.01	99.82
TMIVR024	51.37	19.41	2	0.33	8.68	6.89	2.64	0.21	0.05	0.28	<.001	1914	16	609	1670	62	197	3	7.6	1.89	0.25	100.01
TMIVR025	41.34	11.36	11.5	2.71	9.09	6.1	4.59	0.45	0.07	0.5	0.001	9694	14	695	84	48	113	7	11.1	1.9	0.09	100.06
TMIVR032	2.99	1.18	1.11	0.83	12.03	7.14	0.47	0.04	0.02	0.06	<.001	>50000	8	>50000	569	328	44	4	22.8	7.58	0.04	98.42
STANDARD SO-18/CSC	57.76	14.29	7.65	3.49	6.29	3.76	2.15	0.7	0.79	0.4	0.561	489	53	380	281	31	13	25	1.9	3.01	4.25	99.9

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT
To Eagle Plains Resources Ltd. PROJECT Ice River
Acme file # A706911 Page 1 Received: OCT 5 2007 * 41 samples in this disk file.
Analysis: GROUP 4A - 0.200 GM SAMPLE BY LIBO2/LI2B4O7 FUSION, ANALYSIS BY ICP-ES. (LIBO2/LI2B4O7 FUSION MAY NOT BE SUITABLE FOR MASSIVE SULFIDE OR HIGH

ELEMENT	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	TOT/C	TOT/S	SUM
SAMPLES	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	%	%
JBIVR040	62.28	15.04	6.06	0.07	0.4	7.5	5.56	0.76	0	0.23	0	0	1	0.5	0.07	0.02	98.41
JBIVR052	57.98	20.6	3.71	0.14	2.43	7.19	2.13	0.31	0.04	0.3	0	0	3	4.5	0.61	0.87	99.33
JBIVR053	66.06	20.44	2.16	0.19	1.4	2.48	2.14	0.12	0.03	0.02	0	8	3	4.4	0.33	0.3	99.44
JBIVR054	62.08	20.69	3.07	0.18	0.32	9.26	1.83	0.16	0.04	0.01	0	0	2	2	0.09	0.21	99.64
JBIVR055	59.51	21.9	3.88	0.18	0.25	7.14	4.06	0.14	0.04	0.02	0	0	2	2.5	0.07	0.34	99.62
JBIVR057	46.02	15.77	11.12	2.83	6.05	5.41	3.81	2.37	0.68	0.14	0	0	6	5.4	1.2	0.11	99.6
JBIVR058	56.26	16.79	5.03	0.95	3.78	4.94	6.42	1.02	0.19	0.18	0.002	0	6	3.9	0.62	0.07	99.47
JBIVR059	56.73	19.95	1.98	0.09	3.65	11.23	1.74	0.16	0.03	0.04	0	7	1	3.9	0.78	0.41	99.51
JBIVR062	30.49	9.28	17.94	8.3	21.03	0.5	0.13	8.71	1.93	0.21	0	0	19	1.2	0.06	0.23	99.72
JBIVR077	55.54	20	4.44	0.35	1.89	8.76	4.38	0.27	0.07	0.15	0	0	2	3.5	0.26	0.16	99.35
JBIVR078	19.79	9.59	16.97	2.35	17.19	1.41	0.89	5.14	0.06	2.48	0.002	8	3	21	3.78	0.02	96.87
JBIVR079	56.6	20.19	1.85	0.1	0.49	7.22	8.53	0.18	0.01	0.06	0	0	1	4.3	0.15	0.19	99.53
JBIVR080	42.43	15.83	10.99	5.16	8.96	6.89	3.92	3.13	0.58	0.23	0.006	44	17	1.4	0.13	0.12	99.53
TMIVR008	34.68	6.67	15.91	9.54	9.88	3.3	4.94	2.67	1.48	0.36	0.005	7	23	10.3	2.16	0.03	99.74
TMIVR009	54.79	22.68	1.92	0.04	1.29	9.5	7.66	0.14	0.01	0.05	0	9	0	1.7	0.15	0.04	99.78
TMIVR010	43.22	17.03	10.86	3.33	8.62	6.54	3.89	2.76	0.77	0.24	0.002	9	6	2.2	0.46	0.19	99.46
TMIVR011	54.29	21.71	2.34	0.12	1.83	9.71	7.17	0.11	0	0.12	0	0	0	2.4	0.1	0.06	99.8
TMIVR012	50.98	21.79	5	0.38	3.45	8.57	6.85	0.84	0.09	0.15	0	0	0	0.9	0.09	0.04	98.99
TMIVR014	45.87	18.41	8.85	1.65	7.54	6.91	4.6	2.28	0.38	0.22	0.001	0	2	2.8	0.53	0.09	99.51
TMIVR015	54.11	19.09	6.72	0.38	2.09	6.31	8.75	0.65	0.14	0.17	0	0	1	1.2	0.12	0.14	99.61
TMIVR017	41.99	15.24	11.03	4.38	9.37	6.28	3.4	2.93	0.65	0.21	0.005	18	14	4.1	0.45	0.16	99.58
TMIVR018	39.54	14.8	12.08	3.96	10.28	6	3.31	3.19	0.73	0.26	0	12	9	5.5	0.61	0.15	99.66
TMIVR019	48.81	22.01	2.4	0.55	2.74	7.94	7.09	0.8	0.13	0.16	0	0	0	6.9	0.51	0.14	99.53
TMIVR020	43.99	18.7	9.88	2.3	7.89	4.51	4.2	2.43	0.55	0.25	0.001	11	2	4.6	0.5	0.07	99.3
TMIVR023	38.17	12.83	14.76	5.7	11.21	3.38	0.76	4.85	1.09	0.06	0.002	47	22	6.8	1.17	0.15	99.62
TMIVR026	39.38	13.8	10.07	6.08	11.71	2.84	4.22	4.85	0.96	0.06	0.01	30	25	5.6	1.09	0.09	99.59
TMIVR027	61.09	22.38	1.76	0.29	0.76	8.35	2.96	0.09	0.03	0.01	0	0	1	1.9	0.18	0.06	99.63
TMIVR028	55.29	20.21	3.96	0.26	1.16	11.25	4.92	0.33	0.02	0.1	0	0	1	2.1	0.3	0.25	99.6
TMIVR029	53.89	21.28	3.62	0.17	1.29	10.53	6.16	0.48	0.02	0.1	0	0	0	2.1	0.21	0.12	99.64
TMIVR030	42.37	16	11.29	3.9	9.12	5.38	3.25	3.19	1.08	0.23	0	6	8	3.8	0.57	0.06	99.61
TMIVR031	52.15	20.24	3.54	0.17	2.05	7.34	7.53	0.25	0.07	0.06	0.008	0	2	5.7	0.39	0.11	99.11
TMIVR033	37.9	20.77	5.56	1.54	9	11.36	2.87	4.22	0.26	0.15	0.001	0	3	6.2	0.87	0.02	99.83
TMIVR034	56.28	15.07	5.86	3.91	5.66	6.25	3.2	0.53	0.1	0.08	0.012	19	11	2.8	0.46	0.05	99.75
TMIVR035 (pulp)	6.54	1.85	4.3	2.19	45.13	0.49	0.8	0.25	2.51	0.85	0	0	2	32.3	9.22	0.61	97.21
TMIVR036 (pulp)	49.97	20.71	6.47	0.51	8	7.12	1.71	0.29	0.13	0.11	0.002	0	1	4.8	1.02	0.02	99.82
TMIVR037 (pulp)	49.91	20.81	6.39	0.52	8.06	7.24	1.73	0.29	0.12	0.11	0.002	8	1	4.5	1.05	0.03	99.68
STANDARD SO-18/CSC	58.27	13.94	7.74	3.34	6.29	3.69	2.14	0.68	0.82	0.4	0.556	46	25	1.9	3.08	4.17	99.78
TMIVR038 (pulp)	39.46	8.81	14.38	22.38	6.09	0.46	0.16	0.32	0.01	0.16	2.467	2017	21	4.7	0.1	0.49	99.66
TMIVR039 (pulp)	49.92	20.81	6.3	0.5	8.13	7.19	1.68	0.28	0.11	0.11	0	0	1	4.6	1.09	0.02	99.64
TMIVR040 (pulp)	15.1	1.22	6.94	1.19	23.34	0.33	0.45	0.31	12.74	0.58	0	10	28	2	0.31	0.06	64.21

ELEMENT	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	TOT/C	TOT/S	SUM
SAMPLES	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	%	%
STANDARD SO-18/CSC	58.08	14.13	7.73	3.41	6.13	3.82	2.18	0.71	0.83	0.41	0.564	38	25	1.9	3.09	4.21	99.9
RE TMIVR028	55.28	20.18	3.97	0.26	1.16	11.3	4.91	0.34	0	0.1	0	0	1	2.1	0.31	0.24	99.61

Appendix 4.1.2

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT
To Bootleg Exploration Inc. PROJECT Abo
Acme file # A705367 Received: JUL 26 2007 * 16 samples in this disk file.
Analysis: GROUP 4B - REE - 0.200 GM BY LiBO2/LI2B4O7 FUSION, ICP/MS FINISHED.

ELEMENT	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
JBIVR045	2796.3	<1	13.8	3.3	6	1.1	25.8	61.2	1	4077.9	0.1	1550.3	0.4	24	1	18	156.4	218.1	873.1	112.93	440.5	98.09	27.36	72.63	9.18	31.7	4.2	9.75	1.18	7.06	0.84
JBIVR046	1950.8	1	2.8	1.1	8.1	1.5	94.2	13.6	1	1788.5	0.4	>10000	5.6	18	3.1	98.1	618.4	1139.2	3263.5	432.09	1694.9	359.06	89.88	232.26	30.05	114.14	15.64	38.41	4.3	23.38	2.44
JBIVR060	81454	2	85	9.5	22.2	3.3	130.4	116.2	2	10752	3.2	2276.9	2.6	73	1.2	58.7	343	1865.8	4581.8	578.67	2162.2	336.62	82.8	191.13	24.4	85.82	9.71	17.99	1.59	7.57	0.66
RE JBIVR060	85193	1	86.9	9.6	21.9	3.3	132.9	117.6	2	11085	3.4	2337.5	2.5	76	1.1	59.7	353.3	1916.9	4724.5	596.49	2236.8	346.32	85.52	200.41	25.08	87.55	9.78	18.43	1.67	7.81	0.71
JBIVR061	13215	1	6.2	0.4	9.2	0.9	47.5	14.5	1	18948	1.1	2325.6	1.7	23	1	22.1	180.5	1456.9	3657.7	452.29	1681.7	248.24	57.34	122.86	12.93	40.43	4.3	9.21	1.05	6.22	0.64
JBIVR063	1444.8	6	34.8	28	25	17.8	105.9	326.7	6	706.6	4.5	48.7	2.8	482	4.5	893	142.2	37	101.1	13.47	60.5	15.72	5.4	20.39	4.34	22.52	4.08	12.17	1.6	10.49	1.5
JBIVR064	125601	<1	8.9	114.1	13.8	0.3	328.6	41.3	<1	19068	10	888.9	6.3	20	1.6	8.3	159.9	2926.5	6627.2	730.85	2569.7	327.24	74.64	172.76	19.42	51.08	3.99	7.47	1.06	7.69	0.87
JBIVR065	22321	2	48.6	24.9	26.1	11.5	193	306.8	2	2324.9	3.3	2992.2	2.5	313	0.8	503.5	135.8	102	276.5	34.05	137	24.97	7.53	24.57	4.54	22.32	3.75	10.66	1.37	8.91	1.21
JBIVR066	42806	2	39.5	7.8	22.6	7.8	962.4	181.5	2	13340	7.7	1404.2	6.1	195	3.2	297	191.6	1010.4	2541.1	300.75	1124.4	158.29	40.49	102.46	13.31	44.23	5.29	11.76	1.37	8.49	1.01
JBIVR067	30089	<1	2.2	1	4.5	0.6	30.7	31.4	<1	4677.1	0.5	981.2	0.5	30	0.5	19.7	91.8	206.9	537	62.83	229.5	32.08	8.03	20.53	3.08	13.9	2.31	7.23	1.08	7.77	1.05
JBIVR068	1754.1	5	2.3	1.6	48.1	7	66.5	305.8	2	521.6	1.8	62.5	7.1	23	3	443.2	16	80	150.4	15.14	55	9.76	2.52	6.84	0.86	3.06	0.44	1.17	0.16	1.07	0.13
JBIVR069	1394.2	21	1.6	15.1	53.4	32.2	241.8	383.6	5	350.7	7.4	102.1	33.7	<5	19.5	2009.4	21.9	139.3	201.7	15.7	44.1	5.55	1.15	3.51	0.57	2.52	0.43	1.52	0.27	2.2	0.32
JBIVR070	17086	2	1.2	2.6	64.6	463.6	1801.1	559.3	53	2164.6	69.1	409.3	258	40	20.8	25744	60.6	579.5	933.3	77.99	220.7	29.42	6.4	14.05	1.82	7.61	1.47	5.99	1.21	10.21	1.52
JBIVR071	1010.2	11	6.6	39.3	15	3.3	138.8	111.9	1	1679.8	1.4	3004.5	5.3	67	1	232.8	141	33.2	66.8	7.7	31.8	10.99	4.66	17.52	4.33	23.44	4.33	11.84	1.46	8.74	1.13
JBIVR072	923.6	1	19.5	1.3	20.2	4.5	491.6	71	3	1602.6	13.8	353.1	3	166	11.9	112.5	73.5	267.5	669.1	76	285	52.19	16.17	45.2	5.36	16.56	2	4.54	0.55	3.1	0.31
JBIVR073	2192.6	7	7.5	6.1	22.8	9	200.5	139.7	4	1479.5	8.9	94.7	7.4	75	5.1	476.6	68.6	108.6	210.2	21.96	80.2	15.25	4.4	13.16	2.31	10.61	1.94	5.76	0.75	5.37	0.72
STANDARD SO-18	467.2	1	26	6.4	16.4	9.1	20.2	24.9	15	418.2	6.6	8.4	15.6	197	14	288.2	32	11.1	26.8	3.2	12.1	2.76	0.83	2.81	0.5	2.76	0.53	1.66	0.25	1.66	0.24

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT
To Eagle Plains Resources Ltd. PROJECT Ice River
Acme file # A706910R Received: DEC 18 2007 * 30 samples in this disk file.
Analysis: GROUP 4B - REE - 0.200 GM BY LiBO2/LI2B4O7 FUSION, ICP/MS FINISHED.

ELEMENT	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
JBIVR034	6825.9	1	37.2	0.9	16.1	1.5	738	96.8	4	445.1	11	433.2	0.8	136	45.4	129.2	73.5	337.4	703.8	116.28	448.5	67.91	16.74	35.6	4.18	15.92	1.86	4.16	0.57	3	0.35
JBIVR035	3878.3	1	15	15.1	17	1.6	103.1	152.5	2	10340.1	0.7	2072	1.5	65	0.8	94.2	275.9	99	242.9	34.19	146	46.48	16.67	51	9.16	44.34	7.03	18.77	2.52	15.67	2.11
JBIVR036	519	2	15.5	12.2	15.6	6	166.2	127.5	3	4499	0.6	2293.9	2.1	71	1.3	374.7	267	91	220.7	30.94	132.1	40.39	15.4	50.33	9.68	48.05	7.3	17.76	2.15	12.4	1.64
JBIVR037	416.6	194	8.2	2.2	68.5	55.6	691.1	194.5	15	363.8	1.4	1670.5	6.5	70	14.2	3793.4	124.1	680.6	999.3	78.22	191.8	22.02	5.41	13.01	3.08	16.32	2.9	10.15	1.75	12.25	1.71
JBIVR038	511.9	17	1.6	4.1	68.4	22.8	977.5	304.2	13	872.9	7.9	163.5	112.2	14	3.6	1267.8	33.8	87.8	129.3	11.56	33.6	4.62	1.44	3.97	0.86	5.03	0.98	3.48	0.63	4.64	0.7
JBIVR039	346.5	13	2.9	3.8	116.6	94	968.4	309.7	8	338.2	4.1	69.5	32.9	<5	9.2	8278	33.6	47.4	74	6.66	20.5	3.04	0.98	2.92	0.62	3.71	0.76	2.71	0.48	3.3	0.47
JBIVR042	3510.6	3	13.1	0.8	69.7	55.4	3923.1	185.9	8	175.5	127.4	83.3	408	29	6.9	3200.8	23.3	199.1	324.5	27.34	71.9	7.44	1.73	2.95	0.63	3.33	0.65	2.76	0.56	4.77	0.84
JBIVR044	626.2	5	1.8	0.7	82.3	119.7	2403	221.6	13	90.7	49.6	81.1	94.5	41	10.5	7151	20.5	74	140.8	11.52	36.3	4.84	1.19	2.33	0.46	2.86	0.59	2.7	0.57	4.89	0.84
JBIVR047	1324.6	4	11.7	1.3	20.3	4.2	195.2	66.9	1	1124.1	4.5	740.4	7.3	15	2.4	305.9	88.7	665	1436.5	183.16	661	94.02	22.88	45.35	5.68	20.3	2.25	4.85	0.71	4.32	0.56
JBIVR048	2975.7	3	82.2	9.1	19.9	5.2	333.6	93.4	2	6652.4	4.3	4196.8	21	55	5.5	347	243.8	4335.6	9463.6	1175	4286.6	581.05	142.11	276.77	30.44	91.26	6.38	7.39	0.95	7.73	0.87
JBIVR049	1620.3	3	453.5	4.1	10.8	0.2	224	62.9	1	557.6	3.2	23.7	1.5	48	6.4	20.8	8.2	12.4	29	3.93	14.4	2.34	0.68	1.63	0.31	1.62	0.24	0.53	0.07	0.3	0.03
JBIVR050	1588.5	2	24.1	2.3	11.6	11	220.6	25.8	2	899.9	10.7	>10000	60	85	9.4	849.8	444	219.8	484.9	63.14	242.9	49.5	17.82	61.18	13.47	79.2	14.11	36.62	3.78	16.64	1.77
JBIVR051	1464.4	1	34	2.8	15.4	2.1	229.7	17.3	2	5056.5	5.8	814.2	4.7	68	5.4	98.1	314.4	246.4	611.7	94.22	394.3	80.07	25.89	76.6	13.29	61.55	8.75	19.97	2.21	11.01	1.23
JBIVR056	1600.4	2	13.5	9.6	23.3	3.1	105.8	237.8	2	425.1	3.8	1362.7	8.2	13	2.2	103.7	25.9	27.1	58.4	7.88	31.8	7.44	2.71	7.49	1.25	5.49	0.75	1.65	0.17	0.82	0.1
JBIVR075	79748.1	4	16.2	1.8	27.7	5.2	284.4	149	2	2113.1	2.6	1944.9	9.8	127	6.3	476.9	206.1	776.4	1782.1	209.77	769.8	159.71	52.92	131.37	16.96	59.95	6.43	12.01	1.17	6.23	0.64
JBIVR076	8325.5	1	51.5	<.1	1.3	<.1	2.8	2.7	<1	723.4	0.1	428.6	0.4	<5	0.7	5.9	26.3	159	335.4	41.59	149.9	25.36	7.39	17.51	2.09	7.53	0.74	1.48	0.15	0.77	0.07
JBIVR081	58473.2	3	6.8	0.2	21.2	0.2	247.1	55.4	1	4923.8	6.1	1192.2	1.9	14	7.3	22	109.1	444.6	897	94.04	316.4	96.7	27.15	55.64	5.73	21.64	2.6	6.49	0.87	4.65	0.46
JBIVR082	100756	<1	7.3	5.4	27.4	0.4	269.5	305.2	3	19782	9.8	2067.8	13.4	18	4.8	16.7	124.2	1147.5	2655.4	323.18	1147.1	173.33	37.73	71.51	8.56	30.52	2.81	6.16	0.97	6.06	0.71
JBIVR083	61945	1	9.2	5.4	24.8	<.1	131.5	33.4	1	22063.3	4.5	1395.6	5.6	17	5.9	21.4	118.5	893.8	2080.6	242.98	807.3	132.37	38.02	83.98	10.82	35.69	3.2	5.93	0.88	6	0.73
RE JBIVR083	61433.7	1	9.3	5.3	25.1	<.1	134	35.7	1	22773.2	4.2	1441.3	5.8	17	5.8	15	120.7	887.2	2079.4	243.8	808.9	131.52	37.07	85.1	10.85	36.26	3.31	6.54	0.93	6.1	0.72
JBIVR084	32732.9	1	5.3	4.6	25.4	<.1	744.7	33.6	4	1468.4	17.3	558.8	19.3	85	25.7	32.8	665.8	147.8	353.3	45.78	181	44.34	16.93	60.53	15.1	93.62	17.14	47.27	5.8	29.12	3.27
JBIVR085	144271	<1	27.9	7.6	13.5	0.5	120.2	102	2	26722.4	2.4	2945.8	1.6	28	4.6	15.7	235.1	1843.5	5183.9	659.74	2290	254.03	54.07	108.99	13.07	50.29	5.17	12.29	1.86	11.99	1.55
JBIVR086	1067.5	9	39.7	2.1	21.1	2.5	36.6	48.6	6	754.1	1.1	45.9	2.1	85	13.8	122.2	53.8	38.9	78.2	11.11	47	12.76	3.97	11.11	1.82	9.36	1.46	4.38	0.63	3.96	0.54
TMIVR002	9732.5	2	2.8	5.3	99.6	58.2	988.8	413.2	4	1842	6.1	214.7	40.1	6	8.5	5074.4	25.4	130.3	340.5	40.38	137.4	16.38	3.73	7.23	1.04	4.57	0.62	1.94	0.33	2.5	0.38
TMIVR003	4917.2	5	17.2	5.5	10.5	5.3	195.1	71.6	1	476.6	1.6	>10000	152.7	30	31.2	517.9	843.2	3608.3	8891.5	1125.9	4201.5	664.81	154.03	359.35	43.14	176.7	22.85	52.18	5.7	30.35	3.42
TMIVR021	1284.2	<1	1.5	0.7	4.1	1	51.3	17.7	1	1999	1.7	199.3	2	24	1.5	93.8	93.9	52.2	120.2	15.98	66.8	12.22	4.11	11.36	2.1	12.11	2.32	7.66	1.26	9	1.29
TMIVR022	345.9	<1	4	0.1	1.1	<.1	42.6	2.2	1	2156.5	0.4	1821.1	2.1	7	1.3	9.4	81.2	70.2	176.2	24.72	98.8	17.77	5.19	14.52	2.48	12.67	2.14	6.4	1.03	7.67	1.12
TMIVR024	1995.2	6	3	3.5	31.5	26.5	234	99.6	5	619.1	1.4	453.5	17.8	42	5.3	1831.3	66.1	114.4	164.8	23.04	131.3	27.51	6	13.31	1.91	9.7	1.61	5.25	0.87	6.02	0.87
TMIVR025	10050.1	1	10.5	6.5	13.7	1.2	138.2	155	2	703	1.1	34.7	0.2	61	0.9	93.4	52.3	8.6	23.7	3.69	17.1	4.03	1.44	5.15	1.16	7.23	1.32	3.71	0.42	2.3	0.26
TMIVR032	288595	<1	0.5	0.8	8.3	1.5	15.4	20.1	<1	>50000	3.5	>10000	1.6	<5	0.3	35.3	323.4	5397.4	12571	1516.2	5425.2	673.44	148.34	256.9	28.54	90.82	6.67	13.49	2.17	14.07	1.53
STANDARD SO-18	527	1	29.9	7	17.7	10.3	24.6	28.7	16	420	6.9	10.1	18.2	209	16.1	317.9	35.6	12.3	26.7	3.56	14.8	2.88	0.82	2.87	0.54	2.92	0.56	1.78	0.28	1.8	0.27

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT
To Eagle Plains Resources Ltd. PROJECT Ice River
Acme file # A706910R Received: DEC 18 2007 * 30 samples in this disk file.
Analysis: GROUP 4B - REE - 0.200 GM BY LiBO2/LI2B4O7 FUSION, ICP/MS FINISHED.

ELEMENT	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
JBIVR034	6825.9	1	37.2	0.9	16.1	1.5	738	96.8	4	445.1	11	433.2	0.8	136	45.4	129.2	73.5	337.4	703.8	116.28	448.5	67.91	16.74	35.6	4.18	15.92	1.86	4.16	0.57	3	0.35
JBIVR035	3878.3	1	15	15.1	17	1.6	103.1	152.5	2	10340	0.7	2072	1.5	65	0.8	94.2	275.9	99	242.9	34.19	146	46.48	16.67	51	9.16	44.34	7.03	18.77	2.52	15.67	2.11
JBIVR036	519	2	15.5	12.2	15.6	6	166.2	127.5	3	4499	0.6	2293.9	2.1	71	1.3	374.7	267	91	220.7	30.94	132.1	40.39	15.4	50.33	9.68	48.05	7.3	17.76	2.15	12.4	1.64
JBIVR037	416.6	194	8.2	2.2	68.5	55.6	691.1	194.5	15	363.8	1.4	1670.5	6.5	70	14.2	3793.4	124.1	680.6	999.3	78.22	191.8	22.02	5.41	13.01	3.08	16.32	2.9	10.15	1.75	12.25	1.71
JBIVR038	511.9	17	1.6	4.1	68.4	22.8	977.5	304.2	13	872.9	7.9	163.5	112.2	14	3.6	1267.8	33.8	87.8	129.3	11.56	33.6	4.62	1.44	3.97	0.86	5.03	0.98	3.48	0.63	4.64	0.7
JBIVR039	346.5	13	2.9	3.8	116.6	94	968.4	309.7	8	338.2	4.1	69.5	32.9	<5	9.2	8278	33.6	47.4	74	6.66	20.5	3.04	0.98	2.92	0.62	3.71	0.76	2.71	0.48	3.3	0.47
JBIVR042	3510.6	3	13.1	0.8	69.7	55.4	3923.1	185.9	8	175.5	127.4	83.3	408	29	6.9	3200.8	23.3	199.1	324.5	27.34	71.9	7.44	1.73	2.95	0.63	3.33	0.65	2.76	0.56	4.77	0.84
JBIVR044	626.2	5	1.8	0.7	82.3	119.7	2403	221.6	13	90.7	49.6	81.1	94.5	41	10.5	7151	20.5	74	140.8	11.52	36.3	4.84	1.19	2.33	0.46	2.86	0.59	2.7	0.57	4.89	0.84
JBIVR047	1324.6	4	11.7	1.3	20.3	4.2	195.2	66.9	1	1124.1	4.5	740.4	7.3	15	2.4	305.9	88.7	665	1436.5	183.16	661	94.02	22.88	45.35	5.68	20.3	2.25	4.85	0.71	4.32	0.56
JBIVR048	2975.7	3	82.2	9.1	19.9	5.2	333.6	93.4	2	6652.4	4.3	4196.8	21	55	5.5	347	243.8	4335.6	9463.6	1175	4286.6	581.05	142.11	276.77	30.44	91.26	6.38	7.39	0.95	7.73	0.87
JBIVR049	1620.3	3	453.5	4.1	10.8	0.2	224	62.9	1	557.6	3.2	23.7	1.5	48	6.4	20.8	8.2	12.4	29	3.93	14.4	2.34	0.68	1.63	0.31	1.62	0.24	0.53	0.07	0.3	0.03
JBIVR050	1588.5	2	24.1	2.3	11.6	11	220.6	25.8	2	899.9	10.7	>10000	60	85	9.4	849.8	444	219.8	484.9	63.14	242.9	49.5	17.82	61.18	13.47	79.2	14.11	36.62	3.78	16.64	1.77
JBIVR051	1464.4	1	34	2.8	15.4	2.1	229.7	17.3	2	5056.5	5.8	814.2	4.7	68	5.4	98.1	314.4	246.4	611.7	94.22	394.3	80.07	25.89	76.6	13.29	61.55	8.75	19.97	2.21	11.01	1.23
JBIVR056	1600.4	2	13.5	9.6	23.3	3.1	105.8	237.8	2	425.1	3.8	1362.7	8.2	13	2.2	103.7	25.9	27.1	58.4	7.88	31.8	7.44	2.71	7.49	1.25	5.49	0.75	1.65	0.17	0.82	0.1
JBIVR075	79748	4	16.2	1.8	27.7	5.2	284.4	149	2	2113.1	2.6	1944.9	9.8	127	6.3	476.9	206.1	776.4	1782.1	209.77	769.8	159.71	52.92	131.37	16.96	59.95	6.43	12.01	1.17	6.23	0.64
JBIVR076	8325.5	1	51.5	<.1	1.3	<.1	2.8	2.7	<1	723.4	0.1	428.6	0.4	<5	0.7	5.9	26.3	159	335.4	41.59	149.9	25.36	7.39	17.51	2.09	7.53	0.74	1.48	0.15	0.77	0.07
JBIVR081	58473	3	6.8	0.2	21.2	0.2	247.1	55.4	1	4923.8	6.1	1192.2	1.9	14	7.3	22	109.1	444.6	897	94.04	316.4	96.7	27.15	55.64	5.73	21.64	2.6	6.49	0.87	4.65	0.46
JBIVR082	100756	<1	7.3	5.4	27.4	0.4	269.5	305.2	3	19782	9.8	2067.8	13.4	18	4.8	16.7	124.2	1147.5	2655.4	323.18	1147.1	173.33	37.73	71.51	8.56	30.52	2.81	6.16	0.97	6.06	0.71
JBIVR083	61945	1	9.2	5.4	24.8	<.1	131.5	33.4	1	22063	4.5	1395.6	5.6	17	5.9	21.4	118.5	893.8	2080.6	242.98	807.3	132.37	38.02	83.98	10.82	35.69	3.2	5.93	0.88	6	0.73
RE JBIVR083	61434	1	9.3	5.3	25.1	<.1	134	35.7	1	22773	4.2	1441.3	5.8	17	5.8	15	120.7	887.2	2079.4	243.8	808.9	131.52	37.07	85.1	10.85	36.26	3.31	6.54	0.93	6.1	0.72
JBIVR084	32733	1	5.3	4.6	25.4	<.1	744.7	33.6	4	1468.4	17.3	558.8	19.3	85	25.7	32.8	665.8	147.8	353.3	45.78	181	44.34	16.93	60.53	15.1	93.62	17.14	47.27	5.8	29.12	3.27
JBIVR085	144271	<1	27.9	7.6	13.5	0.5	120.2	102	2	26722	2.4	2945.8	1.6	28	4.6	15.7	235.1	1843.5	5183.9	659.74	2290	254.03	54.07	108.99	13.07	50.29	5.17	12.29	1.86	11.99	1.55
JBIVR086	1067.5	9	39.7	2.1	21.1	2.5	36.6	48.6	6	754.1	1.1	45.9	2.1	85	13.8	122.2	53.8	38.9	78.2	11.11	47	12.76	3.97	11.11	1.82	9.36	1.46	4.38	0.63	3.96	0.54
TMIVR002	9732.5	2	2.8	5.3	99.6	58.2	988.8	413.2	4	1842	6.1	214.7	40.1	6	8.5	5074.4	25.4	130.3	340.5	40.38	137.4	16.38	3.73	7.23	1.04	4.57	0.62	1.94	0.33	2.5	0.38
TMIVR003	4917.2	5	17.2	5.5	10.5	5.3	195.1	71.6	1	476.6	1.6	>10000	152.7	30	31.2	517.9	843.2	3608.3	8891.5	1125.9	4201.5	664.81	154.03	359.35	43.14	176.7	22.85	52.18	5.7	30.35	3.42
TMIVR021	1284.2	<1	1.5	0.7	4.1	1	51.3	17.7	1	1999	1.7	199.3	2	24	1.5	93.8	93.9	52.2	120.2	15.98	66.8	12.22	4.11	11.36	2.1	12.11	2.32	7.66	1.26	9	1.29
TMIVR022	345.9	<1	4	0.1	1.1	<.1	42.6	2.2	1	2156.5	0.4	1821.1	2.1	7	1.3	9.4	81.2	70.2	176.2	24.72	98.8	17.77	5.19	14.52	2.48	12.67	2.14	6.4	1.03	7.67	1.12
TMIVR024	1995.2	6	3	3.5	31.5	26.5	234	99.6	5	619.1	1.4	453.5	17.8	42	5.3	1831.3	66.1	114.4	164.8	23.04	131.3	27.51	6	13.31	1.91	9.7	1.61	5.25	0.87	6.02	0.87
TMIVR025	10050	1	10.5	6.5	13.7	1.2	138.2	155	2	703	1.1	34.7	0.2	61	0.9	93.4	52.3	8.6	23.7	3.69	17.1	4.03	1.44	5.15	1.16	7.23	1.32	3.71	0.42	2.3	0.26
TMIVR032	288595	<1	0.5	0.8	8.3	1.5	15.4	20.1	<1	>50000	3.5	>10000	1.6	<5	0.3	35.3	323.4	5397.4	12571	1516.2	5425.2	673.44	148.34	256.9	28.54	90.82	6.67	13.49	2.17	14.07	1.53
STANDARD SO-18	527	1	29.9	7	17.7	10.3	24.6	28.7	16	420	6.9	10.1	18.2	209	16.1	317.9	35.6	12.3	26.7	3.56	14.8	2.88	0.82	2.87	0.54	2.92	0.56	1.78	0.28	1.8	0.27

"From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT"
"To Eagle Plains Resources Ltd. PROJECT Ice River"
"Acme file # A706911 Page 1 (a) Received: OCT 5 2007 * 41 samples in this disk file."
"Analysis: GROUP 4B - REE - 0.200 GM BY LiBO2/LI2B4O7 FUSION 'ICP/MS FINISHED. "

"ELEMENT"	"Ba"	"Be"	"Co"	"Cs"	"Ga"	"Hf"	"Nb"	"Rb"	"Sn"	"Sr"	"Ta"	"Th"	"U"	"V"	"W"	"Zr"	"Y"	"La"	"Ce"	"Pr"	"Nd"	"Sm"	"Eu"	"Gd"	"Tb"	"Dy"	"Ho"	"Er"	"Tm"	"Yb"	"Lu"
"SAMPLES"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"
"JBIVR040"	277.4	5	1.7	1.4	110.7	136.5	1929.1	456.9	8	144.4	44.6	88.6	87.7	10	6.7	7227.1	38.0	83.3	138.5	12.27	32.2	4.18	1.21	2.64	.70	4.53	1.45	6.20	1.36	10.17	1.79
"JBIVR052"	1934.0	11	1.2	2.7	34.9	21.5	213.2	70.1	7	500.9	1.3	149.4	19.2	72	7.9	1466.3	101.6	96.7	128.6	10.70	31.3	24.13	14.73	49.78	7.16	22.24	3.24	8.20	1.22	7.77	1.15
"JBIVR053"	1569.7	4	6.1	5.8	29.8	28.6	200.7	97.8	2	375.1	1.0	82.2	31.7	35	4.0	1700.4	67.8	64.9	80.7	6.95	28.3	22.48	7.54	22.71	3.60	13.67	2.25	6.31	1.02	6.02	.97
"JBIVR054"	696.5	4	1.7	.7	34.9	19.4	191.5	79.2	2	151.0	.8	82.0	34.2	55	7.8	1229.1	67.2	73.8	87.3	6.99	25.1	15.29	5.56	14.91	2.65	11.22	2.08	6.22	1.02	5.87	.87
"JBIVR055"	896.8	8	1.1	.9	38.5	20.8	167.1	100.1	3	166.8	.9	84.7	18.3	62	6.5	1376.5	25.5	90.8	96.9	6.76	18.7	7.36	2.31	5.81	.95	3.98	.74	2.36	.41	2.41	.40
"JBIVR057"	1352.9	7	20.0	9.1	21.5	6.9	144.1	223.3	4	995.0	6.6	26.7	4.8	160	7.2	315.9	42.7	93.6	178.2	19.39	63.6	10.73	3.44	8.64	1.62	7.16	1.30	3.56	.52	3.01	.44
"JBIVR058"	2449.0	2	8.1	2.2	20.5	7.1	264.1	153.9	3	920.0	7.0	61.5	5.0	72	4.3	414.6	44.2	104.4	180.6	17.94	53.5	7.92	2.40	5.70	1.18	6.05	1.35	4.76	.84	5.40	.89
"JBIVR059"	1010.8	3	11.3	1.4	25.4	19.2	136.3	33.7	1	1456.5	2.8	71.4	23.3	6	4.7	1085.4	36.9	157.1	211.8	17.56	46.6	7.56	2.56	5.51	1.12	5.14	1.03	3.58	.68	4.58	.82
"JBIVR062"	46.3	<1	22.0	.2	22.4	21.4	206.4	3.7	3	390.7	21.6	42.9	5.1	560	2.4	632.9	60.9	227.7	521.3	63.68	221.0	35.91	10.70	23.83	4.00	15.52	2.35	5.12	.64	2.88	.46
"JBIVR077"	477.2	10	2.6	17.0	42.2	30.0	927.2	275.7	14	330.0	37.2	45.2	29.9	36	7.2	2405.6	27.2	63.7	96.8	8.45	21.8	3.45	1.15	2.94	.67	3.76	.86	3.20	.66	4.30	.67
"JBIVR078"	21985.1	2	5.3	2.9	25.7	.9	758.5	43.6	2	1545.9	12.0	1019.4	3.0	53	22.5	20.2	117.5	348.8	769.0	96.14	384.3	139.73	38.16	66.14	6.02	18.74	2.37	5.34	.75	3.43	.30
"JBIVR079"	2525.5	4	4.5	1.9	36.1	3.5	95.2	298.2	1	711.8	3.0	51.0	2.0	<5	3.9	314.5	13.8	33.5	65.3	6.84	20.7	4.91	1.66	3.63	.55	2.23	.38	1.07	.17	.97	.14
"JBIVR080"	1475.6	4	33.8	3.8	23.4	7.5	199.2	166.8	2	1359.3	7.5	36.0	7.7	221	8.4	384.5	34.9	106.2	186.5	19.89	64.6	11.07	3.56	7.68	1.40	6.00	1.07	2.96	.43	2.59	.36
"TMIVR008"	421.2	1	16.1	11.9	25.5	6.9	167.5	248.3	2	876.2	3.8	133.4	1.5	145	2.6	201.9	74.1	20.4	48.0	6.90	30.7	9.04	3.61	10.17	2.32	11.48	2.27	6.31	.88	4.36	.65
"TMIVR009"	360.2	4	<.5	3.1	32.0	1.1	221.7	308.0	1	669.6	9.6	19.6	26.3	<5	5.0	88.1	7.1	56.1	67.5	4.99	11.8	1.50	.46	.85	.20	.93	.17	.50	.06	.35	.05
"TMIVR010"	2090.9	5	24.2	3.2	21.9	7.0	188.3	128.8	2	1639.0	8.9	21.2	5.1	170	2.5	333.7	38.3	113.3	208.6	22.97	77.3	12.32	3.98	9.03	1.64	6.99	1.28	3.38	.48	2.63	.40
"TMIVR011"	175.8	6	.7	5.3	31.2	5.2	184.3	338.3	2	516.3	4.9	27.8	9.3	<5	4.0	370.3	8.4	100.5	128.5	9.28	19.1	1.90	.48	.73	.21	1.11	.19	.70	.12	.73	.11
"TMIVR012"	4176.6	1	4.5	1.4	17.1	2.9	174.5	159.3	1	3691.9	7.8	11.9	2.9	15	1.4	200.3	16.1	69.1	129.8	13.40	37.8	5.60	1.81	3.44	.71	3.31	.49	1.40	.19	1.19	.18
"TMIVR014"	1708.1	4	13.5	4.0	23.6	6.7	200.7	171.2	2	1473.6	9.7	21.2	5.7	97	3.8	346.4	37.9	115.4	213.6	22.93	72.8	11.12	3.54	7.88	1.53	6.39	1.21	3.43	.51	2.89	.45
"TMIVR015"	425.9	2	3.9	2.8	25.3	5.5	350.8	294.8	2	1020.2	10.8	56.6	21.5	24	5.1	444.0	153.2	297.3	611.2	59.80	158.2	20.64	6.26	13.60	3.25	16.54	3.73	12.28	2.18	12.60	1.93
"TMIVR017"	1449.9	3	31.6	2.9	18.1	6.1	124.5	114.4	1	1205.7	6.2	13.9	2.8	214	2.8	255.8	32.0	77.1	149.8	17.24	59.4	9.84	3.08	6.99	1.34	5.75	1.05	2.71	.37	2.15	.32
"TMIVR018"	1648.3	3	33.5	2.6	20.7	6.5	172.5	114.4	2	1301.6	8.8	19.2	3.9	248	3.0	308.8	39.5	108.9	207.1	22.71	76.7	12.21	3.88	9.08	1.70	7.50	1.36	3.45	.48	2.76	.42
"TMIVR019"	1942.5	1	3.8	1.6	22.8	1.7	223.6	149.1	<1	943.8	4.4	26.4	3.3	6	3.3	116.6	28.6	20.4	37.4	4.30	14.6	4.69	2.06	6.40	1.36	5.74	.98	2.18	.28	1.32	.18
"TMIVR020"	3247.6	3	17.8	10.9	21.2	6.3	191.9	149.3	1	1947.2	9.6	17.2	4.1	100	4.1	321.7	38.2	118.1	223.1	24.02	77.0	12.21	3.89	8.45	1.62	6.93	1.16	3.17	.49	2.68	.41
"TMIVR023"	722.5	2	21.3	14.5	20.4	10.2	156.0	37.0	3	1412.4	8.5	12.0	3.2	340	2.2	409.9	33.6	90.2	180.4	21.21	73.7	12.92	4.13	9.58	1.64	6.73	1.11	2.72	.38	1.99	.31
"TMIVR026"	983.7	3	23.1	13.1	22.3	9.7	159.1	154.8	3	1360.3	7.7	15.5	4.7	327	5.4	401.8	41.7	116.5	225.5	25.87	90.3	14.77	4.86	11.17	2.00	8.07	1.37	3.47	.46	2.54	.39
"TMIVR027"	815.1	6	1.0	.9	36.2	21.4	289.6	83.4	1	103.0	1.4	28.1	36.3	13	3.3	1194.1	16.2	63.7	132.1	15.01	48.2	5.73	1.19	3.01	.59	2.73	.53	1.82	.28	1.65	.27
"TMIVR028"	1247.4	3	2.7	2.4	33.0	12.8	203.2	168.1	2	836.1	7.1	7.5	12.0	20	1.3	570.9	6.3	11.1	26.3	3.06	9.2	1.79	.55	1.24	.25	1.00	.20	.59	.12	1.02	.21
"RE TMIVR028"	1286.3	3	2.9	2.5	35.0	12.7	200.9	174.6	2	868.0	7.0	10.0	12.0	22	1.4	539.5	6.1	11.3	27.1	3.20	10.1	1.88	.58	1.39	.26	1.04	.19	.60	.12	.91	.20
"TMIVR029"	1327.8	4	2.4	2.6	31.0	3.6	146.1	271.5	2	969.6	6.6	8.2	7.6	12	1.4	167.5	11.3	27.1	53.3	5.52	15.2	2.43	.65	1.75	.40	1.85	.37	.93	.15	.91	.16
"TMIVR030"	1102.4	3	27.6	2.9	20.0	8.4	140.5	109.3	2	1339.0	7.5	14.3	3.5	197	2.6	328.2	37.8	107.7	213.0	24.52	83.0	13.48	4.27	9.97	1.76	7.32	1.28	3.20	.47	2.52	.42
"TMIVR031"	3819.4	3	1.5	6.2	25.7	10.5	474.4	126.3	3	1529.3	11.3	100.6	24.0	14	4.7	883.6	28.4	335.3	473.7	38.29	94.5	14.11	4.73	10.39	1.76	5.99	.87	2.15	.34	2.31	.43
"TMIVR033"	240.1	4	5.7	2.4	18.1	13.2	317.8	72.2	3	928.9	8.4	6.6	1.3	230	2.8	519.0	78.2	38.0	59.5	6.23	21.3	6.12	2.94	9.58	2.29	11.88	2.61	7.26	1.05	4.92	.66
"TMIVR034"	1024.3	6	14.2	4.8	22.7	8.3	42.4	123.4	2	261.3	2.1	28.0	5.1	50	1.4	365.6	34.2	51.0	91.2	10.17	31.8	6.02	1.10	4.96	1.02	4.94	.98	3.09	.51	3.30	.56
"TMIVR035 (pulp)"	3017.7	1	5.7	.9	9.7	.9	3579.7	36.3	<1	12055.3	22.0	56.6	30.2	199	.9	110.6	71.6	1133.1	2104.1	194.71	541.1	54.66	14.55	17.50	3.80	13.39	2.11	4.95	.75	4.22	.66
"TMIVR036 (pulp)"	352.9	2	2.4	1.5	34.0	11.2	23.1	52.6	7	1329.1	.9	1.4	.9	<5	<.1	576.0	139.8	62.6	137.0	16.99	60.4	12.94	2.14	13.87	3.37	19.12	4.62	14.75	2.53	14.83	2.24
"TMIVR037 (pulp)"	347.9	2	2.1	1.4	32.5	11.3	16.6	51.5	7	1270.4	.7	1.1	.9	<5	<.1	568.2	135.5	61.5	135.7	16.78	59.2	12.87	2.12	13.93	3.35	18.81	4.55	14.78	2.53	14.71	2.23
"STANDARD SO-18"	505.6	<1	27.9	6.4	15.0	10.3	22.1	26.4	15	414.0	6.3	10.9	18.7	194	14.1	289.5	34.5	12.2	28.3	3.60	13.3	2.87	.94	2.79	.59	2.89	.63	1.76	.29	1.71	.29
"TMIVR038 (pulp)"	19.5	<1	123.8	.3	12.1	.4	.6	4.2	1	18.8	.1	.4	.1	210	1.0	14.1	5.5	1.4	3.1	.39	1.9	.55	.16	.73	.15	.90	.20	.61	.09	.54	.09
"TMIVR039 (pulp)"	345.6	3	2.4	1.5	34.2	11.5	14.5	50.1	8	1293.1	.8	1.6	1.0	7	.1	571.5	129.8	61.7	134.7	15.53	62.1	13.69	2.14	14.68	3.38	19.09	4.56	14.33	2.53	15.07	2.20
"TMIVR040 (pulp)"	1163.4	1	2.8	.2	114.0	<.1	535.3	18.6	2	8022.1	19.1	>10000	252.0	412	<.1	476.8	3194.5	>50000	>50000	>10000	>10000	>10000	2473.72	4705.32	633.24	1619.60	137.64	142.36	21.94	145.07	17.50
"STANDARD SO-18"	503.1	2	27.2	6.9	17.4	10.6	22.2	28.0	15	438.3	7.0	9.3	17.0	201	14.7	298.3	35.5	13.2	28.6	3.37	14.9	3.06	.95	3.34	.62	2.97	.65	1.79	.31	1.74	.27

Appendix 4.1.3

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT
To Bootleg Exploration Inc. PROJECT Abo
Acme file # A705367 Received: JUL 26 2007 * 16 samples in this disk file.
Analysis: GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.

ELEMENT	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb	Bi	Ag	Au	Hg	Tl	Se	Sample
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	kg
JBIVR045	0.8	1.2	68.2	144	11.1	3.4	0.4	0.1	<.1	<.1	0.9	<.01	0.2	<.5	1.42
JBIVR046	2.5	16.7	390	30	0.3	12.6	0.4	0.1	1.3	0.3	5.9	<.01	0.1	1.1	0.74
JBIVR060	17.5	153.7	415.5	608	45.9	42.9	0.4	0.6	1.4	0.1	4.2	0.06	0.5	1	2.98
RE JBIVR060	17.4	164.7	398	584	43.2	41	0.4	0.6	1.3	<.1	4.4	0.06	0.5	1.1	-
JBIVR061	3.1	5.9	315.2	366	5.1	21.9	0.3	0.3	0.7	<.1	<.5	0.01	0.1	<.5	1.67
JBIVR063	1.2	17.5	55.9	138	1	20.9	0.1	0.1	0.1	<.1	0.6	0.01	1.2	<.5	1.07
JBIVR064	20.5	185.3	642.6	643	2.8	23.5	0.3	0.3	1.8	0.2	5.4	0.03	0.3	0.5	1.71
JBIVR065	1.5	34.5	35.5	133	12.1	74.6	0.1	0.4	0.1	<.1	6.6	0.01	0.8	<.5	1.12
JBIVR066	46.8	26.4	46.1	164	3.6	50	0.1	0.2	0.1	0.2	7	0.02	0.2	<.5	1.05
JBIVR067	3	5.2	115.4	29	<.1	14.6	<.1	0.2	0.3	<.1	1.6	<.01	<.1	<.5	4.41
JBIVR068	3.4	4.1	30.8	94	0.2	32.7	0.2	0.1	0.4	<.1	2	<.01	0.1	<.5	1.68
JBIVR069	19.1	7.5	248.8	72	0.3	24.1	0.2	0.2	5.7	<.1	1.2	<.01	0.4	<.5	0.98
JBIVR070	2.8	1	338.6	52	0.3	2.8	0.1	0.3	3.3	0.1	4.1	<.01	0.2	<.5	1.33
JBIVR071	0.2	0.8	34.6	60	9.3	2.1	<.1	0.1	<.1	<.1	<.5	<.01	0.2	<.5	1.03
JBIVR072	1.6	30.6	132.6	72	4.6	12.1	0.1	0.1	0.2	<.1	<.5	0.01	0.1	<.5	2.26
JBIVR073	2.5	2.1	17.2	35	4.5	9	0.1	0.3	0.1	<.1	2	<.01	0.2	<.5	1.92
STANDARD DS7	19.8	107.3	70.2	400	54	52	7.3	4.4	4.9	0.9	50.1	0.18	4.1	3.5	-

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT
To Eagle Plains Resources Ltd. PROJECT Ice River
Acme file # A706910R   Received: DEC 18 2007 *   30 samples in this disk file.
Analysis: GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.

ELEMENT	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb	Bi	Ag	Au	Hg	Tl	Se
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm
JBIVR034	2.2	74.4	106.5	327	12.4	34.5	0.3	0.4	1.5	<.1	8.8	0.01	0.2	2.9
JBIVR035	0.8	18.4	667.4	731	22.1	<.5	1.4	0.1	1.1	0.3	<.5	0.03	0.6	2.5
JBIVR036	6.1	69.2	111.5	154	21.4	<.5	0.5	<.1	0.5	0.1	6.1	<.01	0.7	1.7
JBIVR037	16.4	17.8	896.1	2788	4.8	7.4	1.7	0.5	4.9	0.3	15.4	<.01	0.1	2.2
JBIVR038	1.3	13.4	230.1	173	1.6	<.5	1.4	0.3	1.1	0.2	4.7	0.01	0.2	1.1
JBIVR039	2.1	22.2	99.6	326	1.4	<.5	0.2	0.1	1.8	<.1	10.1	<.01	0.7	<.5
JBIVR042	4.1	4.7	1673.5	877	20	17.7	1.3	1.1	6.3	<.1	4.4	<.01	0.9	1.2
JBIVR044	4.5	5	24.2	564	3.2	<.5	0.5	0.1	0.7	0.1	3.4	0.01	0.1	<.5
JBIVR047	0.5	7.9	37.6	12	2.3	4.8	0.1	<.1	0.2	<.1	3.6	<.01	0.1	2.3
JBIVR048	0.9	67.8	282.4	19	19.9	160.3	0.1	0.5	1	0.1	14.4	<.01	0.3	4.3
JBIVR049	86	2721	99	105	325	270.7	0.2	30.1	0.1	19.1	6.6	<.01	0.1	5.5
JBIVR050	7.5	43.4	1687.1	50	17.6	13.8	0.2	17.5	0.3	0.2	<.5	0.01	<.1	0.9
JBIVR051	9.3	80.1	219.6	291	20.7	328.6	0.3	6.3	0.7	0.1	0.5	<.01	0.1	4.6
JBIVR056	3.5	15.8	71.5	110	3.9	1.4	0.2	0.3	0.3	<.1	3.1	<.01	0.2	1
JBIVR075	60.2	28.4	1383.6	229	3.5	19.1	0.2	0.4	7.4	0.5	0.5	<.01	0.8	6.4
JBIVR076	2.4	123.6	4.3	3	14.2	<.5	0.1	0.3	0.1	<.1	<.5	<.01	0.3	7.3
JBIVR081	8.6	3.2	87.5	115	0.6	1.2	0.4	0.1	0.2	<.1	<.5	<.01	0.1	1.5
JBIVR082	7.1	3.3	115.6	191	3.7	6.1	0.1	0.8	0.2	<.1	5.3	<.01	0.4	2.4
JBIVR083	22.4	24.6	1213.4	1924	6.5	97	0.4	0.5	1.2	0.2	3.9	0.05	0.4	3.6
RE JBIVR083	22.1	25.6	1184.1	1970	6.6	96.9	0.6	0.6	1.2	0.2	0.8	0.02	0.5	2.2
JBIVR084	2.2	3.5	39.3	34	1.4	7.1	0.2	<.1	<.1	<.1	1.9	0.03	0.1	2.2
JBIVR085	4.5	15.4	555.3	1949	58	8.3	1.4	0.2	1.3	0.6	<.5	0.04	0.2	1.1
JBIVR086	4.4	145.4	119.7	69	59.6	<.5	0.1	<.1	0.5	0.2	<.5	<.01	<.1	1
TMIVR002	6.3	5.4	139.3	713	3.6	2.1	0.5	0.1	1.9	0.3	<.5	<.01	0.1	1.1
TMIVR003	2	<.1	2057.8	57	9.9	16.8	0.5	0.2	<.1	<.1	<.5	<.01	0.2	0.5
TMIVR021	1.3	2.8	15.9	23	<.1	<.5	<.1	<.1	<.1	<.1	<.5	<.01	<.1	0.9
TMIVR022	4.6	84.2	174.8	1709	2.7	2.7	0.8	0.1	0.2	<.1	<.5	0.08	<.1	0.9
TMIVR024	2.1	23.4	49.3	329	0.1	3.5	0.3	0.2	0.4	<.1	<.5	<.01	<.1	0.6
TMIVR025	2	6.3	62.7	152	11.2	0.9	0.1	0.2	<.1	<.1	<.5	<.01	0.2	<.5
TMIVR032	13.9	<.1	391.1	78	<.1	1.4	0.1	0.2	0.2	0.1	0.9	<.01	<.1	2.5
STANDARD DS7	18.9	103.8	67.5	394	56.3	50	6.6	5.1	4.5	0.8	54.6	0.19	4.1	3.9

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT
To Eagle Plains Resources Ltd. PROJECT Ice River
Acme file # A706910R Received: DEC 18 2007 * 30 samples in this disk file.
Analysis: GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.

ELEMENT	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb	Bi	Ag	Au	Hg	Tl	Se
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm
JBIVR034	2.2	74.4	106.5	327	12.4	34.5	0.3	0.4	1.5	<.1	8.8	0.01	0.2	2.9
JBIVR035	0.8	18.4	667.4	731	22.1	<.5	1.4	0.1	1.1	0.3	<.5	0.03	0.6	2.5
JBIVR036	6.1	69.2	111.5	154	21.4	<.5	0.5	<.1	0.5	0.1	6.1	<.01	0.7	1.7
JBIVR037	16.4	17.8	896.1	2788	4.8	7.4	1.7	0.5	4.9	0.3	15.4	<.01	0.1	2.2
JBIVR038	1.3	13.4	230.1	173	1.6	<.5	1.4	0.3	1.1	0.2	4.7	0.01	0.2	1.1
JBIVR039	2.1	22.2	99.6	326	1.4	<.5	0.2	0.1	1.8	<.1	10.1	<.01	0.7	<.5
JBIVR042	4.1	4.7	1673.5	877	20	17.7	1.3	1.1	6.3	<.1	4.4	<.01	0.9	1.2
JBIVR044	4.5	5	24.2	564	3.2	<.5	0.5	0.1	0.7	0.1	3.4	0.01	0.1	<.5
JBIVR047	0.5	7.9	37.6	12	2.3	4.8	0.1	<.1	0.2	<.1	3.6	<.01	0.1	2.3
JBIVR048	0.9	67.8	282.4	19	19.9	160.3	0.1	0.5	1	0.1	14.4	<.01	0.3	4.3
JBIVR049	86	2721	99	105	325	270.7	0.2	30.1	0.1	19.1	6.6	<.01	0.1	5.5
JBIVR050	7.5	43.4	1687.1	50	17.6	13.8	0.2	17.5	0.3	0.2	<.5	0.01	<.1	0.9
JBIVR051	9.3	80.1	219.6	291	20.7	328.6	0.3	6.3	0.7	0.1	0.5	<.01	0.1	4.6
JBIVR056	3.5	15.8	71.5	110	3.9	1.4	0.2	0.3	0.3	<.1	3.1	<.01	0.2	1
JBIVR075	60.2	28.4	1383.6	229	3.5	19.1	0.2	0.4	7.4	0.5	0.5	<.01	0.8	6.4
JBIVR076	2.4	123.6	4.3	3	14.2	<.5	0.1	0.3	0.1	<.1	<.5	<.01	0.3	7.3
JBIVR081	8.6	3.2	87.5	115	0.6	1.2	0.4	0.1	0.2	<.1	<.5	<.01	0.1	1.5
JBIVR082	7.1	3.3	115.6	191	3.7	6.1	0.1	0.8	0.2	<.1	5.3	<.01	0.4	2.4
JBIVR083	22.4	24.6	1213.4	1924	6.5	97	0.4	0.5	1.2	0.2	3.9	0.05	0.4	3.6
RE JBIVR083	22.1	25.6	1184.1	1970	6.6	96.9	0.6	0.6	1.2	0.2	0.8	0.02	0.5	2.2
JBIVR084	2.2	3.5	39.3	34	1.4	7.1	0.2	<.1	<.1	<.1	1.9	0.03	0.1	2.2
JBIVR085	4.5	15.4	555.3	1949	58	8.3	1.4	0.2	1.3	0.6	<.5	0.04	0.2	1.1
JBIVR086	4.4	145.4	119.7	69	59.6	<.5	0.1	<.1	0.5	0.2	<.5	<.01	<.1	1
TMIVR002	6.3	5.4	139.3	713	3.6	2.1	0.5	0.1	1.9	0.3	<.5	<.01	0.1	1.1
TMIVR003	2	<.1	2057.8	57	9.9	16.8	0.5	0.2	<.1	<.1	<.5	<.01	0.2	0.5
TMIVR021	1.3	2.8	15.9	23	<.1	<.5	<.1	<.1	<.1	<.1	<.5	<.01	<.1	0.9
TMIVR022	4.6	84.2	174.8	1709	2.7	2.7	0.8	0.1	0.2	<.1	<.5	0.08	<.1	0.9
TMIVR024	2.1	23.4	49.3	329	0.1	3.5	0.3	0.2	0.4	<.1	<.5	<.01	<.1	0.6
TMIVR025	2	6.3	62.7	152	11.2	0.9	0.1	0.2	<.1	<.1	<.5	<.01	0.2	<.5
TMIVR032	13.9	<.1	391.1	78	<.1	1.4	0.1	0.2	0.2	0.1	0.9	<.01	<.1	2.5
STANDARD DS7	18.9	103.8	67.5	394	56.3	50	6.6	5.1	4.5	0.8	54.6	0.19	4.1	3.9

"From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT"
"To Eagle Plains Resources Ltd. PROJECT Ice River"
"Acme file # A706911 Page 1 (b) Received: OCT 5 2007 * 41 samples in this disk file."
"Analysis: GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR,

"ELEMENT"	"Mo"	"Cu"	"Pb"	"Zn"	"Ni"	"As"	"Cd"	"Sb"	"Bi"	"Ag"	"Au"	"Hg"	"Tl"	"Se"
"SAMPLES"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppb"	"ppm"	"ppm"	"ppm"
"JBIVR040"	.4	1.6	72.4	323	.5	.7	.3	.3	.5	<.1	<.5	<.01	<.1	<.5
"JBIVR052"	2.1	10.1	394.2	555	.6	5.8	.5	.4	1.1	.3	1.1	.07	<.1	<.5
"JBIVR053"	.8	20.6	132.6	84	5.8	48.4	.1	1.3	.7	.1	77.9	.04	<.1	<.5
"JBIVR054"	1.7	45.5	48.4	33	.7	40.7	.1	.3	1.1	.2	4.6	<.01	<.1	<.5
"JBIVR055"	11.9	34.8	59.1	55	.4	17.4	.1	.2	.6	.1	3.5	<.01	.1	<.5
"JBIVR057"	2.1	5.3	4.4	32	3.9	19.5	<.1	.1	<.1	<.1	1.2	.01	.5	<.5
"JBIVR058"	5.0	14.3	21.7	64	8.2	325.3	.2	1.3	.1	<.1	1.4	.01	.4	<.5
"JBIVR059"	1.2	33.9	7.0	4	1.6	4.4	<.1	.2	<.1	<.1	.5	<.01	<.1	<.5
"JBIVR062"	.6	5.7	1.3	9	<.1	1.6	<.1	.1	<.1	<.1	.7	.01	<.1	.5
"JBIVR077"	14.4	5.3	52.7	272	.3	2.5	.5	.1	1.1	<.1	1.0	.01	.2	<.5
"JBIVR078"	2.5	1.3	60.8	55	4.6	42.1	.2	.3	.1	<.1	1.7	.02	.2	.9
"JBIVR079"	2.9	7.8	64.5	133	4.9	14.9	.2	.1	.4	<.1	26.3	<.01	.1	<.5
"JBIVR080"	2.5	47.2	11.1	69	38.4	2.8	.1	.1	<.1	<.1	1.4	.01	.3	<.5
"TMIVR008"	.4	5.7	4.2	134	15.5	2.0	<.1	2.5	<.1	<.1	.9	.01	.5	<.5
"TMIVR009"	4.3	2.2	5.6	40	.4	1.4	.1	.1	<.1	<.1	<.5	<.01	.3	<.5
"TMIVR010"	4.3	22.5	6.4	73	4.6	2.4	.1	.1	<.1	<.1	1.0	<.01	.2	<.5
"TMIVR011"	2.4	1.0	14.7	80	.2	2.2	.2	.1	.1	<.1	<.5	<.01	.3	<.5
"TMIVR012"	1.3	4.8	2.4	18	.2	.8	.1	<.1	<.1	<.1	.6	<.01	.2	<.5
"TMIVR014"	4.7	8.2	15.5	80	<.1	3.2	.2	.3	.1	<.1	.8	<.01	.4	<.5
"TMIVR015"	3.2	15.8	9.3	65	1.2	2.3	.2	.1	.1	<.1	4.2	<.01	.3	.6
"TMIVR017"	3.6	45.7	6.0	71	17.7	3.3	.1	<.1	.1	<.1	.5	<.01	.2	<.5
"TMIVR018"	3.5	85.1	16.7	110	18.8	4.8	.2	.1	.2	<.1	.9	<.01	.3	<.5
"TMIVR019"	2.8	3.9	50.6	476	.5	16.9	.3	<.1	.2	<.1	.7	<.01	.2	<.5
"TMIVR020"	.8	11.7	6.5	90	.9	2.2	.2	.1	<.1	<.1	<.5	<.01	.2	<.5
"TMIVR023"	.2	34.6	11.5	164	35.0	11.6	<.1	.7	.1	<.1	<.5	.01	.3	<.5
"TMIVR026"	.9	4.9	1.9	80	36.6	4.4	<.1	.3	.3	<.1	1.9	.01	.9	<.5
"TMIVR027"	.3	14.6	4.7	7	1.0	.5	<.1	.1	.2	<.1	1.4	.01	.1	<.5
"TMIVR028"	.7	3.9	3.2	34	.8	<.5	.2	<.1	<.1	<.1	1.3	<.01	.1	<.5
"RE TMIVR028"	.7	3.8	3.1	35	.6	<.5	.2	<.1	<.1	<.1	.9	<.01	.1	<.5
"TMIVR029"	.5	2.2	4.8	41	.4	.7	.1	<.1	<.1	<.1	<.5	<.01	.3	<.5
"TMIVR030"	1.6	6.3	5.3	112	1.1	11.0	.1	.1	<.1	<.1	.5	<.01	.4	<.5
"TMIVR031"	4.5	4.6	34.6	143	.5	1.2	.2	<.1	.1	<.1	1.8	.01	.1	<.5
"TMIVR033"	.5	1.0	2.6	18	.2	.8	<.1	<.1	<.1	.4	.5	.01	.2	<.5
"TMIVR034"	1.5	17.0	21.1	75	24.6	6.0	.1	.5	<.1	<.1	3.7	.01	.5	<.5
"TMIVR035 (pulp)"	12.9	4.9	46.3	318	<.1	3.2	2.7	.4	.1	.3	6.3	.01	.2	.8
"TMIVR036 (pulp)"	.1	4.0	2.1	52	7.0	<.5	.1	<.1	<.1	<.1	1.1	<.01	.2	.5
"TMIVR037 (pulp)"	.1	4.6	2.1	52	6.8	<.5	.1	<.1	<.1	<.1	<.5	.01	.2	.5
"STANDARD DS7"	20.2	101.3	66.6	389	58.6	44.8	5.7	4.1	4.1	.9	51.3	.20	4.0	3.6

"ELEMENT"	"Mo"	"Cu"	"Pb"	"Zn"	"Ni"	"As"	"Cd"	"Sb"	"Bi"	"Ag"	"Au"	"Hg"	"Tl"	"Se"
"SAMPLES"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppb"	"ppm"	"ppm"	"ppm"
"TMIVR038 (pulp)"	1.7	546.1	17.5	20	2029.9	.9	.1	.2	.3	.2	4.8	.05	.2	1.6
"TMIVR039 (pulp)"	.2	4.1	2.2	49	6.9	<.5	.1	<.1	<.1	<.1	<.5	.01	.2	.6
"TMIVR040 (pulp)"	2.0	.7	278.0	114	.4	49.2	.3	.1	1.5	<.1	<.5	.02	.1	39.0
"STANDARD DS7"	21.4	102.5	64.0	397	61.4	46.0	5.5	4.4	4.2	.9	114.6	.24	4.4	3.8

Appendix 4.1.4

Results of Analysis

Bootleg Exploration Inc.
Submitted by: Jarrod Brown

T07-01067.0

Becquerel Laboratories
6790 Kitimat Rd, Unit #4
Mississauga, ON,Canada,L5N 5L9
Ph: (905) 826-3080 Fax : (905) 826-4151
email : ballen@becquerellabs.com

ISO 17025

Date Received : 10-Aug-07
Date Reported : 28-Sep-07

Acme file # : A705368
Samples were run as received.
Analysis performed by Neutron Activation (Method BQ-NAA-1)
A negative result denotes "Less Than".
Note : Mo results are interfered with by Mo production from U fission. Many samples have elevated detection limits due to nature of samples.

#	ID	Wt	Sb	As	Ba	Br	Ca	Ce	Cs	Cr	Co	Eu	Au	Hf	Ir	Fe	La	Lu	Hg
		grams	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppb	%	ppm	ppm	ppm
1	JBIVR045	2.41	-0.3	2.7	2700	2.5	27	816	3	-13	14	27.4	-14	1	-19	8.89	246.0	0.82	-1
2	JBIVR046	2.22	-1.3	-22.0	2600	-12.0	30	3200	-8	-62	-6	96.7	-52	-3	-92	1.86	1320.0	3.90	-10
3	JBIVR060	2.43	1.9	41.0	94500	-4.6	-7	4480	15	-35	80	89.7	-37	-6	-48	12.20	2190.0	0.64	-4
4	JBIVR061	2.13	1.0	20.0	12900	-3.6	31	3540	-4	-26	-4	58.9	-28	-2	-37	3.57	1630.0	0.58	-3
5	JBIVR063	2.57	0.6	21.0	1400	-1.2	11	95	32	6	34	5.4	-6	17	-12	12.70	41.0	1.60	-1
6	JBIVR064	2.47	1.3	15.0	136000	-5.5	-8	6030	133	-38	-5	77.7	-43	-4	-56	2.63	3360.0	0.81	-4
7	JBIVR065	2.53	1.0	81.7	23700	-1.2	15	270	30	-5	48	8.0	-9	11	-16	10.60	116.0	1.30	-1
8	JBIVR066	2.01	1.5	47.0	46800	-3.0	12	2470	-11	-21	31	43.8	-21	9	-30	10.80	1150.0	1.00	-2
9	JBIVR067	1.90	-0.2	14.0	33200	-1.3	37	533	2	-5	2	8.4	-7	-1	-13	1.97	241.0	1.20	-1
10	JBIVR068	1.90	-0.2	32.0	1500	125.0	2	140	2	-5	4	2.6	-6	6	-12	1.05	85.1	0.10	-1
11	JBIVR069	2.25	0.9	23.0	1300	15.0	-1	180	17	-5	2	1.3	-6	30	-11	1.50	154.0	0.17	-1
12	JBIVR070	2.26	1.2	-3.1	17100	4.3	-3	871	3	-14	-1	7.1	-12	428	-22	6.37	656.0	0.51	-1
13	JBIVR071	2.43	0.6	2.1	890	-1.2	21	72	45	45	8	4.8	-5	2	-11	3.55	36.0	1.20	-1
14	JBIVR072	1.79	-0.3	11.0	840	1.3	11	617	-1	12	19	16.0	-11	4	-17	6.68	293.0	0.27	-1
15	JBIVR073	1.95	0.7	5.8	2100	2.9	6	200	8	17	7	4.7	-6	8	-11	3.62	121.0	0.67	-1

#	ID	Mo	Nd	Ni	Rb	Sm	Sc	Se	Ag	Na	Sr	Ta	Tb	Th	Sn	W	U	Yb	Zn
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
1	JBIVR045	-10	380	-210	64	103.0	8.2	-6	-5	0.38	4000	-1.4	11.0	1500.0	-100	-5	-1.9	-1.2	150
2	JBIVR046	-62	-73	-710	-79	417.0	3.9	-36	-25	0.77	-1700	-6.0	33.0	24200.0	-460	-25	-11.0	-7.8	-150
3	JBIVR060	-19	1760	-500	-190	346.0	7.7	-14	-17	2.67	9300	-4.2	30.0	2430.0	-100	-11	-4.1	-1.6	480
4	JBIVR061	-15	1480	-370	-43	256.0	2.4	-11	-12	0.93	20000	-3.3	14.0	2360.0	-100	-11	-3.2	-1.3	390
5	JBIVR063	-4	57	-100	330	17.0	19.8	-3	-5	3.33	650	5.8	5.6	49.8	-100	-6	2.9	11.0	150
6	JBIVR064	-19	1930	-540	-65	301.0	0.8	-16	-18	3.83	19000	-5.0	21.0	854.0	-100	-13	-4.6	3.4	810
7	JBIVR065	-14	64	-100	300	29.6	26.8	-6	-5	0.66	2200	2.9	5.3	3040.0	-100	-5	-1.9	-1.7	170
8	JBIVR066	53	983	-310	160	163.0	10.0	-9	-11	0.19	13000	9.1	16.0	1370.0	-100	-8	-3.3	1.4	-50
9	JBIVR067	-7	200	-100	29	35.3	2.5	-3	-5	0.06	4500	-1.1	3.8	1010.0	-100	-3	-1.4	3.0	-50
10	JBIVR068	-5	46	-100	280	10.0	0.5	-3	-5	7.27	-500	1.9	-0.5	59.6	-100	-3	6.3	0.6	120
11	JBIVR069	18	37	-100	360	5.2	-0.1	-3	-5	6.45	-500	7.8	-0.5	101.0	-100	18	34.0	1.8	81
12	JBIVR070	-77	190	310	560	25.8	1.7	-14	-5	3.43	1800	73.9	1.8	398.0	-100	26	267.0	9.2	-50
13	JBIVR071	-14	-11	-100	99	15.1	8.2	-3	-5	4.24	1400	1.4	4.8	2980.0	-100	-3	4.4	-1.7	69
14	JBIVR072	-6	270	-100	65	53.4	10.1	-3	-5	5.74	1500	16.0	5.9	347.0	-100	13	3.2	1.0	-50
15	JBIVR073	-6	79	-100	130	15.8	4.5	-3	-5	4.73	1300	10.0	2.8	95.9	-100	5	8.0	4.8	-50

Approved : ______________
R. Allen, BSc
NAA Supervisor

Appendix 4.1.5

CERTIFICATE OF ASSAY AK2007-1651

BOOTLEG EXPLORATION INC. 07-Dec-07
#200, 16-11TH Ave S.
Cranbrook, BC
V1C 2P1

No. of samples received: 25
Sample Type:Core
Shipment #: IV07-005

ET #.	Tag #	Ag (g/t)	Ag (oz/t)	Pb (%)	Zn (%)
1	IV07001-001			1.04	1.41
2	IV07001-002				4.30
7	IV07002-003	2.00	0.058	1.50	2.70
12	IV07002-007S	48.0	1.400	2.40	1.60
13	IV07003-001			1.80	1.13
25	IV07005-005S	48.0	1.400	2.30	2.40

QC DATA:

Resplit:

1	IV07001-001			1.08	1.42

Standard:

Pb113		24.0	0.700	1.11	1.40

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/nl
XLS/07

Appendix 4.1.6

19-Oct-07

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 2007-1651

BOOTLEG EXPLORATION INC.
#200, 16-11TH Ave S.
Cranbrook, BC
V1C 2P1

Phone: 250-573-5700
Fax : 250-573-4557

No. of samples received: 25
Sample Type:Core
Shipment #: IV07-005

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	IV07001-001	90	27.3	0.49	1525	90	205	2.06	26	57	15	2292	>10	60	0.49	9473	128	0.05	41	300	>10000	20	<20	576	0.22	<10	31	<10	25	>10000
2	IV07001-002	140	26.6	0.46	1145	<5	125	4.96	58	39	29	3294	>10	160	0.64	>10000	236	0.11	16	3990	9226	<5	<20	1587	0.23	<10	43	<10	165	>10000
3	IV07001-003	200	>30	0.18	1020	85	755	0.64	14	45	11	2144	>10	30	0.04	5480	103	0.04	24	740	8942	<5	<20	169	0.19	<10	27	<10	39	8927
4	IV07001-004	140	23.9	0.60	1385	85	1620	1.54	9	43	19	3218	>10	40	0.15	5512	112	0.04	30	410	7694	35	<20	434	0.14	<10	64	<10	37	5277
5	IV07002-001	5	0.2	0.48	520	45	<5	>10	<1	8	21	21	2.57	30	1.10	1486	<1	0.02	12	270	52	<5	<20	843	0.07	<10	18	<10	26	120
6	IV07002-002	35	20.4	1.57	490	65	<5	3.51	14	16	34	3764	>10	60	0.82	6311	49	0.04	10	670	7522	<5	<20	688	0.19	<10	54	<10	50	6084
7	IV07002-003	340	>30	0.42	2565	90	8155	1.21	35	42	11	7090	>10	<10	0.56	>10000	205	0.02	38	<10	>10000	65	<20	247	0.20	<10	81	<10	5	>10000
8	IV07002-004	15	1.3	1.21	740	55	<5	6.23	<1	16	36	564	7.55	90	1.31	5377	15	0.05	29	410	289	35	<20	847	0.10	<10	50	<10	28	148
9	IV07002-005	5	0.2	1.04	100	45	10	8.96	<1	21	72	54	4.80	60	2.61	3265	3	0.03	71	1480	74	60	<20	1054	0.11	<10	41	<10	25	650
10	IV07002-006	25	0.3	0.34	2835	50	<5	>10	<1	8	21	97	2.15	90	0.36	1096	<1	0.06	14	190	110	<5	<20	1006	0.07	<10	10	<10	39	24
11	IV07002-007	<5	<0.2	2.28	<5	3245	<5	>10	5	7	69	<1	>10	680	2.00	3927	12	0.04	47	790	45	25	<20	1139	0.14	<10	95	<10	72	206
12	IV07002-007S	300	>30	0.47	10	65	<5	0.24	33	12	7	5998	2.76	<10	0.23	875	50	0.06	17	110	>10000	135	<20	12	0.04	<10	24	<10	<1	>10000
13	IV07003-001	25	10.1	0.29	<5	30	<5	0.58	39	14	13	147	3.03	70	0.05	142	35	0.05	7	60	>10000	10	<20	37	0.02	<10	3	<10	22	>10000
14	IV07003-002	5	5.4	0.50	500	35	<5	0.72	13	10	25	103	1.93	60	0.29	172	18	0.19	8	150	5643	15	<20	47	0.01	<10	6	<10	22	4535
15	IV07003-003	<5	2.7	0.32	110	30	<5	2.33	5	10	18	117	2.35	60	0.19	403	8	0.08	5	30	1252	<5	<20	215	0.02	<10	4	<10	25	1571
16	IV07003-004	<5	4.1	0.34	<5	35	<5	2.15	21	10	19	128	2.63	140	0.12	333	19	0.05	4	170	2574	<5	<20	166	0.02	<10	4	<10	28	7295
17	IV07003-005	<5	7.7	0.25	<5	25	15	1.55	24	20	10	337	5.21	100	<0.01	334	22	0.05	9	<10	4570	<5	<20	157	0.03	<10	4	<10	5	7106
18	IV07003-006	5	12.7	0.21	15	45	25	1.80	19	13	15	133	2.76	260	0.02	319	14	0.05	6	<10	5618	<5	<20	57	0.01	<10	1	<10	6	4449
19	IV07003-007	5	0.2	0.34	195	50	<5	5.01	<1	8	24	40	2.33	80	0.73	1892	4	0.06	17	20	60	15	<20	473	0.04	<10	6	<10	28	63
20	IV07005-001	5	<0.2	0.57	<5	575	<5	1.33	<1	3	32	4	2.04	70	0.27	1389	4	0.05	3	260	25	<5	<20	804	0.07	<10	11	<10	9	91
21	IV07005-002	<5	0.3	1.48	20	45	10	8.69	2	25	32	69	3.40	<10	1.24	502	9	0.01	39	370	390	25	<20	235	0.05	<10	20	<10	6	185
22	IV07005-003	5	11.9	0.62	50	40	35	8.45	42	7	24	22	1.45	10	0.57	740	22	0.03	8	130	9030	15	<20	413	0.03	<10	11	<10	17	9083
23	IV07005-004	<5	0.4	0.96	45	40	<5	5.79	2	11	23	46	2.79	20	0.76	729	10	0.03	19	340	125	25	<20	244	0.03	<10	18	<10	23	183
24	IV07005-005	<5	0.8	0.31	10	45	<5	1.75	3	14	16	141	3.57	30	0.09	213	1	0.04	9	90	267	<5	<20	66	0.05	<10	4	<10	29	417
25	IV07005-005S	300	>30	0.47	25	60	<5	0.23	29	11	7	5826	2.76	<10	0.20	885	38	0.06	3	100	>10000	85	<20	10	0.11	<10	23	<10	<1	>10000

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
QC DATA:																														
Repeat:																														
1	IV07001-001	80	26.1	0.48	1530	85	200	2.07	29	52	18	2380	>10	60	0.50	9428	124	0.05	39	320	>10000	20	<20	553	0.18	<10	30	<10	28	>10000
10	IV07002-006	30	0.4	0.34	2920	55	<5	>10	<1	9	21	105	2.21	100	0.43	1106	3	0.06	21	180	116	55	<20	1025	0.05	<10	11	<10	39	22
Resplit:																														
1	IV07001-001		27.0	0.39	1620	80	195	2.02	26	56	18	2421	>10	60	0.47	9320	125	0.06	41	320	>10000	30	<20	529	0.14	<10	28	<10	22	>10000
Standard:																														
Pb113			10.2	0.20	60	35	<5	1.51	33	2	4	1935	0.93	<10	0.09	1282	70	0.01	3	130	5212	25	<20	107	<0.01	<10	6	<10	<1	5721
OXE56		630																												

JJ/nl
df/1389S
XLS/07

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

Appendix 4.2.1

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT
To Bootleg Exploration Inc. PROJECT ICE RIVER
Acme file # A705366 Page 1 Received: JUL 26 2007 * 169 samples in this disk file.
Analysis: AU* GROUP 3A - ACID LEACHED, ANALYZED BY ICP-MS. (15 gm)

ELEMENT	Au*	Sample
SAMPLES	ppb	gm
G-1	0.6	15
NTIVD001	3.8	15
NTIVD002	2.2	15
NTIVD003	3.1	15
NTIVD004	2.5	15
NTIVD005	0.6	15
NTIVD006	1.9	15
NTIVD007	6.5	7.5
NTIVD008	1.7	0.5
NTIVD009	3.3	0.5
NTIVD010	1.5	15
RE NTIVD010	0.7	15
NTIVD011	1.5	15
NTIVD012	1.2	15
NTIVD013	1.7	15
NTIVD014	1.9	15
NTIVD015	1.3	15
NTIVD016	5.7	15
NTIVD017	1.3	15
NTIVD018	1.4	15
NTIVD019	0.9	15
NTIVD020	1.8	15
NTIVD021	1	15
NTIVD022	4.3	15
NTIVD023	1	15
NTIVD024	1.9	15
NTIVD025	0.8	15
NTIVD026	0.8	15
NTIVD027	1	15
NTIVD028	1	15
NTIVD029	2	15
NTIVD030	1.8	15
NTIVD031	1.7	15
NTIVD032	3.2	7.5
NTIVD033	2.3	15
NTIVD034	0.6	15
NTIVD035	1.6	15
NTIVD036	1.7	15
STANDARD DS7	73.7	15
G-1	<.5	15
NTIVD037	1.5	15
NTIVD038	1.1	15
NTIVD039	0.6	15
NTIVD040	0.9	15
NTIVD041	1	15
NTIVD042	0.7	15
NTIVD043	1.4	15
NTIVD044	1.1	15
NTIVD045	0.7	15
RE NTIVD045	0.6	15
NTIVD046	0.8	15
NTIVD047	1.4	15
NTIVD048	0.8	15
NTIVD049	<.5	15
NTIVD050 (empty)	-	-
NTIVD051	0.7	15
NTIVD052	<.5	15
NTIVD053	2.1	15
NTIVD054	0.6	15
NTIVD055	0.9	15
NTIVD056	0.7	15
NTIVD057	1.8	15
NTIVD058	2.9	15
NTIVD059	26.4	15
NTIVD060	1.8	15
NTIVD061	0.5	15
NTIVD062	1.6	15
NTIVD063	1	15
NTIVD064	0.9	15
NTIVD065	1.5	15
NTIVD066	1.4	15
NTIVD067	1.7	15
NTIVD068	0.6	15
NTIVD069	1.1	15
NTIVD070	1.3	15
NTIVD071	0.7	15
NTIVD072	2.8	15
STANDARD DS7	104.3	15
G-1	0.8	15
NTIVD073	2.6	15
NTIVD074	2.4	15
NTIVD075	1.6	15

ELEMENT	Au*	Sample
SAMPLES	ppb	gm
NTIVD076	3.2	15
RE NTIVD076	2.9	15
NTIVD077	3	15
NTIVD078	2.5	15
NTIVD079	2.3	15
NTIVD080	3	15
NTIVD081	1.9	15
NTIVD082	3.1	15
NTIVD083	3.1	15
NTIVD084	2.6	15
NTIVD085	2.7	15
NTIVD086	2.1	15
NTIVD087	3.4	15
NTIVD088	2.6	15
NTIVD089	1.9	15
NTIVD090	3.3	15
NTIVD091	2	15
NTIVD092	3.5	15
NTIVD093	4.6	15
NTIVD094	8.6	15
NTIVD095	17.1	15
NTIVD096	9.6	15
NTIVD097	2.2	15
NTIVD098	1.5	15
NTIVD099	2.5	15
NTIVD100	2.1	15
NTIVD101	2.5	15
NTIVD102	1.8	15
NTIVD103	3.4	15
NTIVD104	4.3	15
NTIVD105	3.7	15
NTIVD106	1.8	15
NTIVD107	2.8	15
NTIVD108	2.3	15
STANDARD DS7	81.1	15
G-1	0.5	15
NTIVD109	1.5	15
NTIVD110	1.6	15
NTIVD111	2.2	15
NTIVD112	1.2	15
NTIVD113	1.8	15
NTIVD114	1.6	15
RTIVD001 (empty)	-	-
RTIVD002	3.8	15
RE RTIVD002	2.7	15
RTIVD003	2.5	15
RTIVD004	1.4	15
RTIVD005	0.8	15
RTIVD006	1.3	15
RTIVD007	1.7	15
RTIVD008	1.3	15
RTIVD009	3.5	15
RTIVD010	1.3	15
RTIVD011	0.8	15
RTIVD012	1	15
RTIVD013	0.8	15
RTIVD014	0.8	15
RTIVD015	1.1	15
RTIVD016	0.9	15
RTIVD017	0.8	15
RTIVD018	0.8	15
RTIVD019	0.7	15
RTIVD020	1.1	15
RTIVD021	1.7	15
RTIVD022	2.3	15
RTIVD023	1.4	15
RTIVD024	1.5	15
RTIVD025	4	15
RTIVD026	1.6	15
RTIVD027	1.9	15
RTIVD028	1.2	15
RTIVD029	1.2	15
RTIVD030	3.3	15
STANDARD DS7	92.9	15
G-1	<.5	15
RTIVD031	3.4	15
RTIVD032	1.2	15
RE RTIVD032	1.1	15
RTIVD033	0.8	15
RTIVD034	0.7	15
RTIVD035	1.1	15
RTIVD036	1.5	15
RTIVD037	1.4	15
RTIVD038	2.3	15
RTIVD039	6.5	15
RTIVD040 (empty)	-	-

ELEMENT	Au*	Sample
SAMPLES	ppb	gm
RTIVD041	2.2	15
RTIVD042	2.8	15
TMIVD001	1.7	15
TMIVD002	1.2	15
TMIVD003	2.3	15
STANDARD DS7	66.7	15

Appendix 4.2.2

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT
To Bootleg Exploration Inc. PROJECT ICE RIVER
Acme file # A705366 Page 1 Received: JUL 26 2007 * 169 samples in this disk file.
Analysis: GROUP 1EX - 0.25 GM SAMPLE DIGESTED WITH HCLO4-HNO3-HCL-HF TO 10 ML. (>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	Rb	Hf
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
G-1	1.2	3.1	22.6	52	<.1	7.7	5.1	766	2.39	1	3.6	<.1	6.9	736	0.1	0.1	0.2	52	2.54	0.087	23.8	103.7	0.69	1003	0.236	8.53	2.72	2.95	0.2	8.4	45	1.2	12.7	21.1	1.5	3	5	41.3	<.1	127	0.6
NTIVD001	5.5	30.4	282.9	440	0.1	34.5	25	1481	5.1	19	2.8	<.1	83.6	494	0.4	1.1	1.3	107	4.06	0.17	202.8	70.6	1.72	937	0.583	9.2	4.228	1.27	7	70.9	306	2.7	49.5	80.8	2.2	12	12	152	<.1	82.5	2.3
NTIVD002	6.2	60.3	252.1	439	0.2	54	39.9	2423	5.83	19	2.6	<.1	87.6	481	0.6	1.2	0.9	101	3.86	0.135	236.2	78.9	1.95	1243	0.545	9.68	3.432	1.76	10.4	70.4	398	2.8	43.2	53.8	1.9	13	13	108	<.1	106.5	2.2
NTIVD003	9.7	41.7	290.9	531	0.1	41.7	30.3	3046	5.5	16	2.3	<.1	92	499	1.5	0.9	1	93	3.5	0.082	313.1	73.6	2.36	1409	0.475	8.66	4.09	1.32	6	55	463	2.5	65	72.3	1.6	7	13	216.9	<.1	90.2	1.9
NTIVD004	4.7	51.2	140.7	314	0.1	45	32.1	2004	5.6	20	3.1	<.1	83.5	517	0.9	0.9	0.7	110	3.57	0.13	163.8	70.3	1.2	1184	0.587	9.19	3.669	1.45	5	77.5	291	2.6	69.8	73.2	2.6	9	14	162	<.1	137.5	2.2
NTIVD005	8.1	17.6	51.1	146	0.1	16	11	1677	4.15	9	2.6	<.1	32.1	372	0.2	0.7	0.5	102	2.04	0.148	135.3	65.2	1.09	1606	0.632	9.02	4.249	2.32	6.5	94.4	226	3.2	22.1	53.6	1.9	4	10	67.8	<.1	139.5	2.8
NTIVD006	5.9	26.7	123.6	159	0.2	21.9	11.7	1053	4.89	13	2.6	<.1	57.3	381	0.2	0.8	0.7	95	2.71	0.36	102.7	72.8	1.02	1006	0.509	8.19	3.698	1.89	5.5	70.3	183	3	30.6	66.4	1.9	6	12	70.8	<.1	98	2.4
NTIVD007	3.6	36.9	220.3	229	0.1	23	28.6	2314	3.5	10	2	<.1	85.2	259	0.6	1	0.5	68	2.74	0.252	79.7	43.4	0.92	957	0.343	4.59	2.073	0.92	4.1	40.9	177	1.8	42.9	49.8	1.4	6	10	66.2	0.1	73.4	1.3
NTIVD008	5.6	24.8	51.4	41	<.1	8.6	3.6	258	1.28	3	1	<.1	21.4	131	0.2	0.7	0.2	28	1.26	0.116	31.5	21.1	0.3	475	0.199	2.75	1.349	0.67	1.6	29.3	48	1.2	15.7	28	0.8	2	4	20	<.1	30.3	0.9
NTIVD009	3.8	39.2	79.3	59	0.3	11.4	4.9	371	2.33	7	1.8	<.1	35.6	161	0.2	0.9	0.3	45	1.58	0.257	46.3	37.9	0.48	382	0.266	3.44	1.399	0.8	3.5	40.4	77	1.6	16.7	27	0.9	3	6	22	0.1	49.6	1.3
NTIVD010	8.4	33.5	81.1	202	0.1	33.3	23.6	2517	5.51	8	2.8	<.1	42.6	313	0.3	0.7	0.7	101	2.11	0.109	102.4	77.4	1.2	919	0.554	8.18	3.305	1.39	8.1	69.5	299	2.8	28.1	81.1	2	8	11	60.6	<.1	139.8	2.1
RE NTIVD010	8.4	34.5	78.5	196	0.2	33.3	25	2469	5.36	8	2.5	<.1	42.2	307	0.3	0.7	0.6	102	2.1	0.109	98.5	77.6	1.19	929	0.54	8.51	3.094	1.55	7.8	69.7	304	3	26.5	70.8	1.8	4	11	58	<.1	146.7	2.1
NTIVD011	8.9	27.1	54	133	<.1	24.8	12.8	1115	5.29	7	2.4	<.1	40.4	252	0.3	0.6	0.6	95	1.5	0.167	72.1	73.9	1.11	834	0.538	8.38	3.437	1.55	7.2	71.9	215	2.8	22.4	62.4	1.6	4	10	51.1	<.1	129.4	2.4
NTIVD012	46.6	29.1	40.8	428	<.1	22.3	18.2	6209	5.75	62	2.4	<.1	40.8	179	0.4	0.6	0.5	89	1.19	0.261	202.1	63.3	1.48	830	0.486	7.24	3.688	1.28	3.6	57.7	918	2.2	14.8	97.6	1.5	3	7	102.3	<.1	136.4	2
NTIVD013	5.9	36.7	137.8	267	0.1	34	23	1874	5.59	6	2.3	<.1	49	155	0.4	0.6	1.4	91	0.88	0.122	42.8	77.1	1.44	787	0.423	8.45	4.425	0.9	8.4	60.6	202	2.9	25.6	96.8	1.4	9	10	75.1	<.1	37	1.7
NTIVD014	6	34.4	129.1	234	0.1	34.5	23.8	1871	5.86	6	2.4	<.1	55.6	153	0.3	0.6	1.3	96	0.84	0.116	47.6	80.6	1.44	803	0.421	9.16	4.472	0.9	8.6	57.1	224	3	27.2	93.8	1.4	9	10	74.3	<.1	39.1	1.7
NTIVD015	6.5	30.9	94.2	122	<.1	27	22.9	1364	4.57	9	2.7	<.1	55	363	0.3	0.7	0.8	91	3.58	0.22	60.3	66	1.26	531	0.48	6.95	2.691	1.05	6.8	67.8	138	2.4	44.4	58.3	2	5	12	71.9	<.1	77.3	2
NTIVD016	4.9	31.7	94.4	102	0.1	22.1	11.3	615	4.65	12	2.5	<.1	51.8	277	0.2	0.8	0.5	79	2.29	0.207	59.7	68.8	0.95	562	0.422	6.44	2.528	1.2	13.3	56.6	132	2.3	33.8	48	1.4	4	11	42.3	<.1	77.2	1.8
NTIVD017	4.7	29.4	86.1	92	0.2	19.4	9.4	496	4.12	10	2.4	<.1	42.4	240	0.2	0.7	0.5	71	1.88	0.21	51	63.9	0.9	543	0.386	6.17	2.642	1.17	8.6	53.9	111	2.1	31.6	43.5	1.3	3	10	41	<.1	75.4	1.5
NTIVD018	4.9	20.2	63.3	72	<.1	17.5	8.3	519	4.34	12	2.3	<.1	98.8	299	0.1	0.8	0.4	84	2.16	0.197	60.1	71.4	1.07	878	0.447	6.67	2.598	1.52	6	55	121	2.5	28.5	52	1.8	3	10	69.6	<.1	143	1.6
NTIVD019	4.4	21.2	64	76	0.1	15.2	8	480	4.26	11	2.4	<.1	93.1	274	0.1	0.7	0.4	79	2.09	0.222	56.1	69.9	1.03	867	0.441	6.51	2.868	1.62	5.6	54	114	2.5	27.7	55.8	1.8	4	10	70.3	<.1	142.4	1.8
NTIVD020	6.1	31.8	178.7	458	<.1	37.7	20.5	2139	5.18	10	1.3	<.1	42.4	186	0.3	0.8	0.8	81	1.16	0.127	75.6	72.9	1.95	1814	0.443	8.3	4.981	1.32	6.8	45	200	2.6	36.6	85.5	1.4	7	11	126.6	<.1	73.1	1.5
NTIVD021	4.4	18.8	104.3	233	<.1	20.7	13.2	673	3.8	7	1.9	<.1	44	419	0.3	0.8	0.4	99	3.21	0.156	46.1	61.7	1.53	498	0.528	8.72	5.146	0.81	10.8	68.8	109	3	60.5	89.7	1.5	8	10	145.2	<.1	31	1.9
NTIVD022	3.7	68.5	175.9	337	0.4	78.6	36.2	1379	4.92	16	2.7	<.1	134.5	497	1.3	1.6	0.8	74	3.86	0.073	79.8	71.6	1.71	1618	0.334	9.3	2.812	1.79	23.6	76.6	190	2.5	64.3	58.1	1.7	12	15	142.4	<.1	77.5	2.2
NTIVD023	6.1	29.5	110.1	159	0.1	25.3	22.9	1444	5.34	6	3	<.1	45.2	336	0.3	1	0.7	109	2.97	0.146	43.9	67.3	1.16	513	0.598	7.97	2.625	1.37	10.1	94.1	92	2.9	35.5	68	2.2	6	13	41.6	<.1	90.5	2.6
NTIVD024	5.7	24.7	67.2	304	0.1	32.2	19.4	1469	5.83	6	1.4	<.1	30.2	242	0.3	0.4	0.9	93	1.79	0.061	95	72.1	1.52	485	0.485	9.03	4.692	0.59	7.8	59.3	270	2.8	38.4	64.4	1.4	4	12	89.9	<.1	23.9	1.5
NTIVD025	5.3	23.9	61.2	288	<.1	29.4	17	1426	5.51	6	1.3	<.1	34.7	235	0.3	0.5	0.9	92	1.69	0.058	113.1	69	1.47	500	0.466	9.14	4.361	0.57	9.3	55.9	317	2.8	38.3	60.1	1.4	4	11	82.7	<.1	26.9	1.6
NTIVD026	5.7	27.1	70.4	348	<.1	32.4	19.6	1433	5.73	6	1.3	<.1	31.2	232	0.3	0.4	0.9	87	1.73	0.056	101.7	74.3	1.57	503	0.436	9.14	4.758	0.55	12.9	53.6	290	2.8	38.3	59.8	1.2	5	12	94.7	<.1	22.4	1.7
NTIVD027	4.4	28.8	63.2	233	<.1	38.4	29.6	1270	5.78	6	2.3	<.1	37.7	471	0.3	0.9	0.5	110	3.37	0.097	63.1	81	1.75	530	0.576	10.14	3.436	0.92	9.5	78.6	157	3.2	46.3	58.6	1.8	7	15	76.4	<.1	63.3	2.3
NTIVD028	3.8	26.6	62	230	<.1	39.7	29	1243	5.6	7	2.3	<.1	37	432	0.3	0.8	0.5	109	3.29	0.1	55.4	70.8	1.7	513	0.572	8.96	3.459	0.84	8.3	79.1	146	2.9	44.5	58	1.6	7	15	82.5	<.1	56	2.3
NTIVD029	9.6	37.9	86.6	263	<.1	46	26.6	902	6.43	16	2.6	<.1	66.3	334	0.2	0.9	0.9	102	1.75	0.045	69.5	88.9	1.47	1151	0.511	10.53	3.906	1.36	29.7	61.3	181	3.3	39.8	92.1	1.6	7	14	81.7	<.1	83	1.9
NTIVD030	9.6	35.8	92.2	259	<.1	45.1	26.8	988	6.32	16	2.5	<.1	64.3	338	0.3	0.9	1	105	1.87	0.053	65.9	87.7	1.56	1203	0.538	10.86	4.273	1.4	10.7	62.1	170	3.3	38.1	90.9	1.6	10	15	82.8	<.1	86.4	1.9
NTIVD031	8.9	47.3	82.7	285	<.1	46	22.7	875	6.07	15	2.6	<.1	67	310	0.3	0.9	0.8	93	1.61	0.109	73.8	85.2	1.26	892	0.485	9.36	3.174	1.18	10.7	51.6	197	2.7	38.2	81.1	1.5	7	13	67.6	<.1	88.9	1.6
NTIVD032	10.3	29	125.8	378	<.1	29.5	21.4	3600	6.41	6	2.8	<.1	58.1	142	0.4	0.9	2.1	101	1	0.21	56.4	69.5	1.03	1673	0.56	6.95	2.435	1.47	6.5	63.9	426	2.9	22.6	94.9	1.6	6	10	68.8	<.1	99	1.9
NTIVD033	3	16.8	66.4	203	<.1	32.4	20.6	855	5.18	4	2.3	<.1	40	286	0.3	0.6	0.6	110	1.84	0.057	47.6	85.4	1.57	628	0.502	10.61	4.342	1.06	8.4	66.2	109	2.7	20.7	41.5	1.5	8	10	104.4	<.1	41.1	2
NTIVD034	2.9	19.2	55.7	140	<.1	20.6	20.7	1591	4.91	41	2.7	<.1	22.8	291	0.3	3.4	0.6	101	1.6	0.287	52.3	63.6	1.26	546	0.6	8.19	2.208	1.9	2.8	114.8	103	2.5	18	41.6	2.2	4	11	67.5	<.1	117.4	3.4
NTIVD035	2.2	28.2	56.7	117	<.1	23.5	19.1	1464	4.2	50	2.2	<.1	26	230	0.3	4.2	0.5	91	1.54	0.208	67.9	59.4	1.22	635	0.457	7.86	2.133	1.94	3.1	102.5	119	2.1	31.9	31.1	1.5	5	14	74.7	0.1	99.9	3
NTIVD036	2.8	17.6	69.1	163	<.1	22.6	20.9	1591	4.79	64	2.7	<.1	28.4	236	0.3	4.4	0.6	91	1.58	0.234	59.8	64.3	1.34	577	0.539	8.23	2.16	1.88	3.2	106.2	117	2.2	20.3	42.7	2	4	12	74.7	<.1	110.2	3.1
STANDARD DST6	12.7	130.2	36.6	168	0.3	32.3	13.7	1021	4.01	23	7.9	<.1	7.3	336	6.2	5.6	5	114	2.34	0.102	27	247.5	1.08	669	0.407	7.14	1.689	1.52	8.1	59.8	52	6.6	14.1	10.3	0.8	3	12	28.2	<.1	63.1	2
G-1	0.8	5.1	21.8	52	<.1	7.2	4.5	735	2.13	1	3.8	<.1	6.2	697	0.1	0.1	0.2	43	2.4	0.085	22.5	70.7	0.67	1022	0.234	8.41	2.721	2.88	0.3	8.5	43	1.3	13.3	23.5	1.7	2	5	41	<.1	113	0.6
NTIVD037	2.3	16.8	52.5	140	<.1	17.6	17.8	1561	4.19	38	2.5	<.1	23.3	217	0.5	3.1	0.5	87	1.36	0.301	52.6	53	1.36	574	0.525	7.03	1.689	1.85	2.6	98.4	104	2	15.3	43	1.9	3	10	70.3	<.1	110	3.1
NTIVD038	2.3	23.7	57.4	94	0.1	16.8	11.2	735	5.45	26	2.9	<.1	23.6	259	0.2	2.4	0.4	101	1.87	0.335	43.2	47.9	1.05	542	0.721	5.96	1.908	1.53	2.8	117.8	106	2.4	14.6	68.6	3.3	2	8	54.4	<.1	86.5	3.8
NTIVD039	2.2	21.5	37.1	129	0.2	18.1	16.5	1373	4.06	25	2.1	<.1	19.6	207	0.5	2.2	0.4	84	1.49	0.248	35	44.5	1.21	511	0.508	6.82	1.838	1.64	2.3	103.2	65	1.9	12.1	30.4	1.7	3	8	52.5	<.1	90	3.4
NTIVD040	2.8	18.1	122.9	200	0.1	20.7	17.4	1258	4.62	35	3	<.1	25.5	249	0.5	2.6	0.6	103	1.55	0.251	42.8	52	1.65	508	0.623	7.57	2.063	1.58	2.8	118.4	87	2.2	16.1	46.8	2.2	4	10	78.6	<.1	89.2	3.6
NTIVD041	2.5	18.9	54.9	118	0.1	17.4	16.2	1300	5.45	25	2.7	<.1	22.6	282	0.4	2.4	0.4	111	2.05	0.241	46.3	49.3	1.06	587	0.803	6.02	1.734	1.65	2.8	130.2	105	2.6	16.4	63.3	3.4	3	10	57.1	<.1	103.3	4.2
NTIVD042	2.4	16.7	41.6	124	0.1	14.9	16.9	1848	4.38	18	2.8	<.1	17	276	0.4	1.8	0.4	100	1.9	0.298	36.6	44.5	1.07	641	0.719	6.01	1.812	1.66	3.4	123	71	2.5	14.1	60.3	2.9	2	9	49.3	<.1	124.4	3.8
NTIVD043	2.6	20.9	44.7	80	0.2	13.7	9.8	593	6.19	22	2.6	<.1	24.7	232	0.3	2.2	0.3	106	1.81	0.21	39.7	44	0.82	516	0.801	5.37	1.614	1.39	2.6	140.2	92	2.4	13.2	76.6	4	2	7	42.8	<.1	70.9	4.5
NTIVD044	2.8	16.6	39.3	74	<.1	13.3	9.3	637	4.85	24	3	<.1	22.4	262	0.3	2	0.4	108	1.67	0.159	37.5	44	0.89	588	0.779	6.62	1.947	1.73	3.2	131.4	84	2.8	13.6	79.6	3.7	3	8	49	<.1	91.2	3.8
NTIVD045	3	19.9	54.7	112	<.1	15.4	11	994	5.15	23	3.1	<.1	36.5	246	0.3	1.9	0.4	95	1.82	0.202	43.4	34.4	1.2	791	0.867	6.55	2.2	1.72	3.3	141.4	101	2.9	14.8	109.8	5.4	3	8	73	<.1	116.8	4.5
RE NTIVD045	3.1	21	55.4	114	<.1	15.2	11.1	1046	5.56	23	3	<.1	36.8	250	0.3	1.9	0.4	107	1.82	0.207	46.4	39.3	1.2	828	0.864	6.98	2.136	1.8	3.2	148.1	104	3	14.5	111.7	5.6	3	7	73.2	<.1	120.6	4.6
NTIVD046	2.6	12.1	40.3	58	<.1	7.6	5.9	456	3.39	21	3.3	<.1	28.9	260	0.2	1.9	0.4	93	1.31	0.129	41.4	40.7	0.56	779	0.769	6.56	2.478	2.18	3.2	136.9	77	3	12.7	103.2	4.9	3	7	48.1	<.1	99.7	3.8
NTIVD047	3.2	27.4	89.7	193	0.1	22.3	13.1	852	5.77	41	3	<.1	36	245	0.3	2.9	0.4	98	1.59	0.227	57.2	45.8	1.27	760	0.73	7.01	2.013	1.88	3	125.5	142	2.6	16.4	90.8	4.4	3	8	81.4	<.1	118.9	3.9
NTIVD048	2.3	27.6	60.5	128	<.1	21.5	15.6	981	5.64	24	2.8	<.1	38.1	288	0.3	2.2	0.3	134	3.01	0.205	72.6	43.2	1.47	613	1.077	6.84	1.685	1.51	3.1	162	178	2.5	21.9	100.8	5.6	3	10	77.7	<.1	73.9	5.2
NTIVD049	3.2	18.6	46.5	89	<.1	13.5	9.1	741	5.9	21	3.9	<.1	28.5	316	0.4	1.9	0.4	134	2.44	0.227	56.4	40.4	0.98	616	1.127	6.21	2.193	1.67	3.2	181	124	3.2	18.1	122.4	5.8	3	8	54.5	<.1	97.2	5.6
NTIVD050 (empty)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NTIVD051	2.9	22	47	111	0.2	14.3	13.9	1027	6.72	24	3.3	<.1	24.9	294	0.4	1.8	0.4	171	3.33	0.231	56.6	42.7	1.26	607	1.422	5.91	1.827	1.62	3.1	199.9	134	3.3	19.6	108	6.3	3	10	57.5	<.1	93.6	6.2
NTIVD052	2.2	87.2	64.2	214	0.2	34.9	41.5	1947	7.77	30	2.5	<.1	25.1	294	0.6	1.4	0.2	268	6.63	0.545	96.7	46.2	2.82	448	2.008	5.12	1.012	0.74	3.2	240.4	188	3.1	30.6	97	6.1	3	18	87.9	<.1	62.2	8.8
NTIVD053	2.5	139.3	56.9	157	0.2	47.4	46.1	1500	8.04	24	2.8	<.1	25.3	308	0.4	1.5	0.3	291	7.42	0.446	115.9	45.2	3.28	427	2.112	6.04	1.064	0.72	3.5	285	201	3.3	33.3	96.9	6.3	4	20	79.5	<.1	60.5	9.4
NTIVD054	3.3	27	58.7	120	0.1	18.7	17.7	1042	6.85	26	3.2	<.1	30.6	306	0.3	1.9	0.4	151	3.18	0.202	64	47.9	1.59	524	1.246	6.4	2.047	1.3	3.5	169.9	140	3.1	20.7	100.3	5.1	3	12	63.8	<.1	71.1	5.6
NTIVD055	9.8	23.5	68.4	157	<.1	19.2	19.8	1177	6.55	42	4.5	<.1	25.9	268	0.5	1.9	0.5	154	2.7	0.184	61.2	51.1	1.39	577	1.165	6.82	1.913	1.54	3.5	169.2	149	3.1	22	80.2	4.3	3	11	80.3	<.1	97.8	5.4
NTIVD056	4.4	25.4	62	172	<.1	19.1	25.2	1932	6.4	91	10.9	<.1	25	364	0.6	2	0.3	190	4.49	0.185	92.3	48	1.89	705	1.514	6.41	1.87	1.36	3.6	194.2	173	3.1	28.1	109.3	6	3	14	106.6	<.1	75.5	6.7
NTIVD057	2.5	48.1	268.3	444	0.1	34.9	35.4	1685	5.84	56	2.3	<.1	25.1	246	1.6	3.2	0.4	151	3.54	0.336	77.9	52.8	2.85	487	1.04	6.53	1.212	1.39	6.3	148.4	162	2.4	27.1	58.7	3.2	4	15	117.1	<.1	87.4	4.8
NTIVD058	2.3	59.9	88.3	266	<.1	36.9	38.3	1850	5.97	57	2.3	<.1	27.1	256	1	3.2	0.4	156	3.68	0.356	75.1	54.1	2.55	560	1.196	7.09	1.432	1.63	6	160	156	2.5	28.5	64.1	3.4	4	17	102.6	<.1	104	5.3
NTIVD059	3.7	26.7	80.6	204	0.1	22.9	33.3	2255	6.19	156	2.6	<.1	24	212	0.8	2.8	0.5	154	2.43	0.324	58.2	53.2	1.66	582	1.073	6.48	1.366	1.55	6	155.6	119	2.6	17.5	63.9	3.4	3	12	84.8	<.1	118.9	4.8
NTIVD060	2.4	45.8	100.8	276	0.1	36.4	48.3	2692	6.99	140	2.9	<.1	30.3	200	0.8	3.6	0.6	154	2.66	0.332	65.5	53.6	1.94	520	0.967	7	1.236	1.42	3.8	147.1	159	2.4	23.6	58.5	3.2	3	14	99.2	0.1	105.1	4.8
NTIVD061	1.8	145.1	41.5	142	0.1	31.1	64.1	1661	9.88	23	1.8	<.1	16.8	430	0.6	0.6	0.2	390	10.45	0.459	117	22	3.99	328	2.477	3.87	0.718	0.65	2.8	354.9	241	1.6	47.4	48.4	2.2	3	26	60.8	<.1	83	13
NTIVD062	2	49.1	107.6	351	0.1	28.1	48.8	1718	7.66	93	2.3	<.1	24.1	244	1	3.2	0.3	244	5.03	0.448	73.9	44.2	2.66	427	1.863	5.66	0.879	1.22	2.9	216.1	179	3.3	29.8	81.5	5.8	3	17	93.5	<.1	85.1	8.3
NTIVD063	1.6	155.2	41.9	151	0.2	31.8	63.3	1759	9.43	32	1.6	<.1	28.4	453	0.6	0.7	0.1	371	10.08	0.531	122.7	27.4	4.06	489	2.14	3.78	0.762	0.77	3.3	360.1	239	2.2	49.8	50.9	2.4	3	26	72.5	<.1	89.1	12.6
NTIVD064	2.2	40.3	183.5	371	0.1	27.8	44	1712	6.54	103	2.5	<.1	26	336	1.2	3.6	0.3	174	3.65	0.359	63.9	56.9	2.53	462	1.321	6.66	0.926	1.45	3.7	170.3	145	2.9	26.2	62.4	4.2	4	15	124.8	<.1	101.4	6
NTIVD065	1.9	80.1	86.6	279	0.2	35	55.2	1882	8.31	54	2.1	<.1	23.7	275	1.1	1.8	0.3	286	7.03	0.533	92.7	44.4	3.27	413	2.129	5.03	0.827	0.81	3.7	276.2	179	3	35	72.6	4.6	3	23	83.5	<.1	72.9	9.7
NTIVD066	2.8	51.4	75.9	285	0.1	22.6	37.9	2277	7.53	38	3.9	<.1	28.1	275	0.9	1.2	0.3	228	5.15	0.518	96	42.3	2.61	617	1.757	5.35	1.395	0.94	3.8	236.2	184	2.7	28.1	108	6.2	3	15	97.3	<.1	99.3	8
NTIVD067	4.3	39.5	74.8	223	0.2	21.3	30.3	2238	6.91	21	2.7	<.1	22.3	260	0.6	1.1	0.3	193	3.52	0.362	56.7	53.9	2.23	574	1.401	5.58	1.663	1.06	4.9	199.1	115	3	19	94.7	4.7	3	13	96.3	<.1	123.4	7.1
NTIVD068	2.7	48.6	86.9	301	0.2	23.6	36.3	2242	7.03	34	3	<.1	32.7	286	0.9	2	0.3	202	4.31	0.43	95.6	50.9	2.48	577	1.554	6.61	1.377	1.2	4	222	185	2.9	29.2	104	5.5	4	15	112.5	<.1	122.7	7.5
NTIVD069	2.5	19.5	112.4	324	<.1	23.2	25.1	2000	5.56	63	2.4	<.1	21.1	369	0.7	3.9	0.5	112	2.46	0.195	42.1	67.3	2.08	475	0.687	7.72	1.066	1.65	2.8	109.2	75	2.7	19.4	45.5	2.3	4	12	127	<.1	130.7	3.3
NTIVD070	1.6	23.2	137.7	320	<.1	26.6	28.3	1953	5.24	73	2.3	<.1	20.3	350	0.7	4.4	0.4	96	2.36	0.201	42.9	62.3	2.07	438	0.618	7.29	0.928	1.56	1.9	100.1	85	2.3	19	34.4	1.9	3	12	128.9	<.1	98.2	3.2
NTIVD071	2.7	30.7	102.5	326	0.1	22.4	32.5	2679	5.87	52	2.6	<.1	19.6	255	0.8	2.4	0.5	130	2.5	0.316	46.5	50.1	1.82	483	0.865	6.5	1.188	1.41	2.6	140.5	90	2.5	17.4	45.5	2.5	3	13	94.4	<.1	105.3	4.6
NTIVD072	1.9	72.7	123.9	351	<.1	38.8	46.9	2429	7.82	89	2.7	<.1	31	328	1.1	4.9	0.5	224	5.61	0.438	94.6	52.7	2.75	483	1.748	6.14	1.318	1.05	3.3	214.2	185	3.3	38.5	90.2	5.3	4	20	115.6	<.1	73.6	7.7
STANDARD DST6	12.7	124.7	31.6	166	0.3	31.8	14.4	1013	4.02	22	6.9	<.1	5.9	319	5.8	5.2	4.5	111	2.22	0.104	23.4	237.4	1.07	642	0.398	7.01	1.778	1.45	8.6	60.3	46	6	12.9	10.7	0.8	3	11	26.4	<.1	58.1	1.9
G-1	1	3.2	23	52	<.1	6.1	4.5	739	2.36	2	4.3	<.1	8.2	725	0.1	0.1	0.2	46	2.33	0.081	30.6	84.7	0.67	896	0.243	7.77	2.537	2.83	0.2	8.4	53	1.3	15.6	24	1.8	3	5	37.2	0.1	116.4	0.6
NTIVD073	2.4	72	83.8	243	0.2	20.3	49.8	1947	8.43	35	2.9	<.1	30.3	313	0.6	1.2	0.3	260	6	0.607	106.2	32.3	3.14	547	2.105	5.44	1.073	0.85	4.1	249.4	202	2.8	37	89	5.4	4	18	85.4	<.1	97.8	9.7
NTIVD074	2.1	57.5	86.2	270	0.1	36.1	45.9	2035	7.83	42	3.2	<.1	24.8	243	0.7	2.2	0.4	224	5.19	0.448	85.8	46	2.86	381	1.87	4.87	1.279	0.75	2.7	214.7	178	3.5	28.1	97.5	5.4	4	20	97	0.1	75.6	8.1
NTIVD075	2.3	49.4	146.6	383	0.1	31.1	52.1	2820	8.71	64	2.8	<.1	27.5	270	0.6	3.2	0.5	261	5.29	0.387	100.4	52.3	2.7	567	2.03	5.57	1.35	0.91	3.4	245	202	4	31.1	117.4	6.4	3	18	106.6	<.1	77.1	9
NTIVD076	2	115.2	83.8	281	0.1	37.3	74.6	2019	8.92	29	2.4	<.1	32	330	0.7	1.3	0.3	287	6.75	0.501	133.9	43.2	4.1	637	1.785	5.18	1.059	0.93	3.1	259.1	234	1.5	43.1	45.6	2.2	4	25	100.1	<.1	98.7	10.1
RE NTIVD076	1.9	115	89.5	301	0.1	38.2	73.3	2029	9.01	29	2.5	<.1	31.9	326	0.8	1.4	0.3	272	6.81	0.487	140.3	43.9	4.23	676	1.756	5.19	1.116	0.95	3.4	241.4	230	1.5	44.5	47.9	2.5	4	25	99.6	<.1	97.2	10.3
NTIVD077	2.3	71.1	191.2	538	<.1	40.6	47.5	2679	7.66	59	3.2	<.1	39.5	287	1.2	4.5	0.6	192	4.42	0.449	145.5	49.9	2.88	528	1.546	5.96	1.458	1.09	3	183.9	253	2.9	42.8	98.3	5.2	5	20	131.9	<.1	87.9	7.1
NTIVD078	2.2	66	283.1	790	<.1	42.7	43.9	2275	7.08	93	3.2	<.1	37.5	281	1.8	4.1	0.5	177	4.57	0.403	112.9	50.6	2.91	498	1.461	6.09	1.282	1.08	3.1	178	205	3.1	39.3	84.9	4.5	5	22	119.1	<.1	87.5	6.9
NTIVD079	2.3	47.6	294.4	709	0.1	33.1	47.5	1993	7.76	72	3.2	<.1	40.1	293	1.4	4	0.4	220	4.85	0.444	103.2	50.7	3.06	541	1.674	6.28	1.37	1.17	3.6	191	217	2.9	41.1	75.5	4.7	4	19	109.6	<.1	89.1	7.5
NTIVD080	2	95.7	62.7	207	0.3	28.6	64.6	2156	10	28	2.8	<.1	36.5	309	0.4	1.5	0.2	312	7.52	0.607	126.2	29.3	3.85	555	2.231	4.87	0.945	0.78	3.2	279.2	244	2.6	42.5	67.7	4.8	4	22	88.5	<.1	90.1	11.1
NTIVD081	2.5	44.2	147.5	364	0.1	33.3	45	2752	7.56	45	3.1	<.1	34.9	255	1.1	3.5	0.6	194	3.65	0.321	83.8	52.3	2.02	511	1.518	5.75	1.259	1.11	3.3	173.9	182	3.3	28.8	89.6	4.9	4	18	102.9	<.1	98.7	6.4
NTIVD082	1.5	58.9	50.4	186	0.1	48.1	44.3	2397	7.24	39	3.4	<.1	28.6	328	0.4	7.3	0.7	91	1.79	0.317	73.3	56.1	1.17	417	0.495	7.46	0.824	1.51	1.5	96.6	117	1.8	39.9	28.3	1.6	3	19	126.3	0.1	101.1	3.4
NTIVD083	2.2	41.9	382.7	305	0.1	40	34.9	1892	6.15	109	3.3	<.1	34	284	0.4	7.7	0.7	101	1.69	0.192	76.7	61.1	1.48	526	0.59	7.84	1.409	1.57	2.7	115.9	144	2.1	34.1	43	2.3	4	15	125.8	<.1	90.3	3.4
NTIVD084	2.5	39.7	129.4	205	0.1	32	49.8	4193	6.91	68	2.8	<.1	29.4	262	0.6	8.2	0.9	97	1.6	0.269	58	51.9	1.17	437	0.606	6.45	1.01	1.33	1.6	106.4	116	2	25.1	38.4	1.9	3	13	104.9	0.1	103.5	3.3

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	Rb	Hf
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
NTIVD085	1.7	39.1	53.8	166	<.1	38.6	37.7	2194	6.53	49	2.7	<.1	32.6	334	0.4	7	0.7	91	1.79	0.218	61.6	57	1.11	433	0.54	7.85	1.147	1.48	1.5	109.2	126	2	29.2	35.2	1.7	3	14	126.2	0.1	93.1	3.5
NTIVD086	2.2	35.3	82.3	294	<.1	33.8	37.6	2173	6.4	37	3.2	<.1	36.1	289	0.6	5.3	0.7	116	2.78	0.225	72	52.2	1.54	492	0.9	6.49	1.314	1.25	2.2	143.6	197	2.6	28.3	79.7	3.7	3	13	90.7	0.1	67	4.4
NTIVD087	1.9	36.9	89.7	130	0.1	24.9	26.1	1549	5.24	42	4	<.1	37.1	308	0.5	3.8	0.5	79	2.17	0.21	94.1	42.5	1.33	421	0.571	7.81	1.404	1.23	2.1	141.3	182	2.3	43.8	37.9	1.8	4	14	84.2	0.1	65.4	4.2
NTIVD088	2.6	40.6	117.3	220	0.1	37.5	37	1741	6.03	66	3.5	<.1	44.8	286	0.5	6.3	0.9	88	1.8	0.252	73.3	49.6	1.22	457	0.531	7.58	1.537	1.36	1.7	110.9	151	2	31.4	35.9	1.7	4	14	104.1	0.1	81.5	3.7
NTIVD089	3.2	27.9	86	163	<.1	22.9	29	1735	6.06	33	3.1	<.1	34.3	246	0.6	4	0.6	95	1.63	0.18	43	48.8	1.16	468	0.686	6.57	1.823	1.31	2.3	122.7	117	2.5	15.1	55.4	2.8	3	10	58	0.1	82.5	3.9
NTIVD090	1.8	41.6	76.6	143	0.1	36.7	32.2	1733	5.6	59	3.6	<.1	32.1	247	0.5	4.6	0.7	91	1.88	0.185	64.9	54.1	1.44	524	0.559	7.41	1.516	1.47	2.2	108.5	136	1.9	25.6	39.8	1.9	3	13	84.9	0.1	81.8	3.6
NTIVD091	2.7	29.9	73.8	172	<.1	31.3	39.6	1922	5.69	76	2.9	<.1	32.7	225	0.2	4.5	0.6	97	1.4	0.269	69.7	53.5	1.4	498	0.56	7.56	1.842	1.44	2.3	109.5	149	2.1	24.6	41	1.8	3	12	92.2	<.1	84.6	3.3
NTIVD092	1.5	30.4	95.6	150	<.1	32.4	22	1283	4.81	122	2.9	<.1	34.7	208	0.4	7.7	0.5	89	1.47	0.166	90.9	62.1	2.01	593	0.397	8.36	1.384	2.06	3.2	87.6	136	2	37.7	30.4	1.2	4	17	104	0.1	110	2.8
NTIVD093	2.6	58.7	105.9	240	<.1	47.2	28.8	1633	6.2	198	5.8	<.1	41.1	255	0.4	8	0.8	92	2.03	0.235	100.3	54	1.76	484	0.607	8.04	1.337	1.29	2.7	137.5	157	2.2	49	47.4	2.1	4	17	123.2	0.1	87	4.4
NTIVD094	3.6	76.2	207.3	360	0.1	56	45.3	1907	9.26	216	8.2	<.1	127.8	238	0.4	18.1	1.3	103	1.93	0.241	143.3	82.9	1.37	513	0.643	7.25	1.811	1.17	2.7	113.2	214	2	68.3	50.9	2	3	24	186.4	0.1	69.6	3.5
NTIVD095	5.1	61	111.3	203	<.1	43.3	33.2	2160	6.5	153	5.3	<.1	62.2	238	0.3	10.2	1.2	106	1.54	0.203	77.2	50.5	1.43	540	0.673	8.55	1.737	1.53	2.8	143	154	2.2	37.8	69.3	2.9	4	15	109	<.1	79.8	3.9
NTIVD096	2.3	94	118.6	364	0.1	73	48.4	1813	6.85	324	3.6	<.1	36.4	248	0.9	11.5	0.8	91	1.41	0.084	82.3	61.4	2.03	610	0.454	8.6	1.49	1.93	2.9	128.3	124	2.2	59.3	35.6	1.5	4	18	138.1	0.1	94.5	3.4
NTIVD097	1.9	46.7	141.9	280	<.1	42.8	28	1010	5.73	157	3.3	<.1	37.5	244	0.5	7.4	0.7	94	1.97	0.148	83.8	60.4	2.19	497	0.566	8.09	1.462	1.81	2.5	97.3	145	2	41.4	42.5	2	4	17	135.8	<.1	98.8	2.9
NTIVD098	1.9	35.8	124.5	262	0.1	32.4	28.7	1457	5.46	92	2.6	<.1	29.7	295	0.4	5.3	0.5	90	2.08	0.18	77.8	49.7	1.96	477	0.54	7.94	1.478	1.63	2.1	93.1	154	2	27.2	32.3	1.8	4	14	93.9	0.1	81.2	2.9
NTIVD099	2.5	64.5	116.4	538	0.1	53.5	40.4	2262	7.36	171	5	<.1	36.1	241	0.5	11.3	1	110	2.45	0.201	69.8	56.1	1.89	450	0.704	7.08	1.291	1.14	2.6	127.1	119	2.1	31.6	47.8	2.5	3	17	103.7	0.1	68.7	4
NTIVD100	3.2	49.9	118.7	237	0.1	37.5	25.4	1506	7.09	97	2.9	<.1	32.3	230	0.3	5.5	0.8	105	1.92	0.263	60	45	1.51	374	0.681	6.62	1.04	1.08	1.7	122.6	101	1.9	30.1	46.8	2.2	3	15	176.2	0.1	68.4	3.7
NTIVD101	2.3	51.5	141.4	397	0.1	50.5	45.7	2686	8.35	158	4.4	<.1	32.6	233	0.7	8.1	1	109	2.45	0.208	58	52.6	1.61	429	0.715	6.68	1.081	1.18	2.2	123.5	121	2.2	35.9	49.1	2.3	3	17	135.4	0.1	89.7	3.7
NTIVD102	3.1	30.1	60.1	174	<.1	29.8	37.1	1702	7.5	135	3.2	<.1	26.3	258	0.4	4.8	0.8	119	2.23	0.141	51.8	41.1	1.33	430	0.868	6.55	1.455	1.25	1.9	138.3	94	2.5	19.9	62.2	3.2	3	12	81.9	<.1	62.8	4.5
NTIVD103	2.3	63	137.2	273	<.1	47.1	44.3	2640	7.45	145	3.4	<.1	27.6	257	0.8	6.9	0.9	101	2	0.235	68.8	50.2	1.52	450	0.679	7.67	1.315	1.38	1.8	145.5	121	2.3	31.1	44.5	2.2	3	16	100.9	0.1	79.6	4.4
NTIVD104	2.7	44.7	282	612	0.1	42.9	32.6	1854	6.34	269	3.4	<.1	50.4	266	1.2	5.6	0.7	106	2.41	0.175	77.7	55.7	1.91	534	0.676	7.55	1.43	1.56	2.9	131.4	159	2.5	40.4	58.2	2.7	4	15	95.7	<.1	90.3	3.8
NTIVD105	2.1	36	229.6	467	<.1	37.8	28.4	1735	5.85	178	3.1	<.1	38.7	279	1.1	5.1	0.5	109	2.37	0.167	67	56	2.06	492	0.669	7.26	1.396	1.5	3.6	111.2	151	2.3	25.5	52.9	2.6	4	14	97.7	<.1	89	3.2
NTIVD106	3.4	33	140.8	539	0.1	26.5	36.3	3013	6.39	130	3.6	<.1	28.3	236	1.6	2.6	0.4	131	2.87	0.265	106	52.7	2.45	421	0.939	6.07	1.179	1.3	2.9	133.6	195	2.6	28.4	61.1	3.2	4	13	104.7	0.1	131.8	4.2
NTIVD107	1.9	72.1	120.6	258	0.2	26.4	60.4	2253	8.6	29	2.9	<.1	44	458	0.9	1.5	0.2	270	7.31	0.654	132.7	45	4.18	613	1.894	5.7	1.15	1.19	5.2	241.5	240	2.4	51.9	64.4	3.9	5	21	104.4	<.1	98.8	9.1
NTIVD108	2.2	99.3	71.2	284	0.1	20.8	89.6	1963	9.95	13	2	<.1	31.8	430	1.2	0.5	0.1	323	8.69	0.775	126.6	34.4	4.45	805	2.152	4.79	0.94	0.96	3.9	291.8	226	2.3	48.6	67.4	3	3	23	92.6	<.1	128.5	11.1
STANDARD DST6	12.6	127.6	39.1	163	0.3	29.8	13.9	948	3.94	25	8.1	<.1	7.6	344	5.8	5.7	5	106	2.18	0.094	29.2	223.8	1.05	641	0.413	6.8	1.673	1.46	7.9	56.4	54	6.3	14.6	9.8	0.7	4	11	26.3	<.1	61.4	1.7
G-1	1.1	4.1	18.4	47	<.1	6.8	4.2	722	2.23	<1	3.4	<.1	6.2	727	<.1	<.1	0.2	51	2.34	0.08	20.6	97.3	0.58	904	0.219	7.95	2.633	2.9	0.2	8.5	41	1.3	13.1	22	1.6	3	5	38.2	<.1	120.8	0.7
NTIVD109	4.2	37.4	612.6	920	0.2	18.9	16.6	1458	6.37	55	2.7	<.1	22.8	422	1.6	2.3	0.7	162	3.14	0.177	47.3	51.2	1.44	440	1.14	6.59	1.785	1	6.1	170.6	92	3	27.8	75	3.9	3	13	62.9	0.1	65.3	5.1
NTIVD110	2.3	53	87.3	286	0.2	21.1	43.4	1524	8.21	28	2	<.1	26.7	252	0.8	1.1	0.3	289	6.16	0.526	61.6	51.7	3.25	574	2.282	4.8	1.226	0.79	4.2	271.3	137	3.2	26.6	88.5	5.2	3	19	72.4	<.1	135.2	10.4
NTIVD111	1.9	94.9	61.6	307	0.1	23.4	87.7	2096	9.51	21	1.8	<.1	27.4	370	0.9	0.8	0.2	328	7.85	0.944	90	43.4	4.22	613	2.487	4.86	0.968	0.88	4.9	281.2	257	2.7	40.7	75.9	4.3	4	20	93.8	<.1	108.7	10.8
NTIVD112	2.8	71.9	69.7	233	0.1	18.1	83.6	2085	9.1	21	1.8	<.1	25.3	309	0.7	0.8	0.2	294	6.27	0.738	78.2	36.8	3.7	637	2.18	5.39	1.002	0.98	4.4	251.5	201	2.6	34.2	74.5	4	3	17	99.8	<.1	124	9.7
NTIVD113	2.3	83.1	63.3	226	0.2	21.6	69.2	2004	8.63	27	2	<.1	29.3	348	0.5	1.2	0.2	296	6.84	0.811	106.3	48.8	3.78	668	2.284	5.81	1.108	1.09	4.7	267.8	252	2.7	42.2	82.4	4.6	3	19	98	<.1	109.4	9.9
NTIVD114	2.7	81.8	57.1	243	0.1	25.5	62.7	2275	8.61	29	2.1	<.1	26.6	261	0.6	1.3	0.3	264	5.47	0.52	99.4	52.8	3.51	715	2.007	6.75	1.153	1.11	4.3	268.7	223	2.9	37.8	84.2	4.6	3	19	92.3	0.1	117.2	9.5
RTIVD001 (empty)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RTIVD002	2.3	190.2	56.7	199	0.2	44	69.2	2222	9.36	18	2.6	<.1	33.8	566	0.7	1	0.2	324	9.17	0.65	126.1	26.2	3.74	1085	2.546	5.69	1.265	1.25	4	274.6	277	2.6	46.3	126.6	8.2	4	18	78.1	0.1	123.6	9.5
RE RTIVD002	2.5	197.2	58.1	208	0.2	43.8	70	2203	9.49	18	2.7	<.1	36.5	583	0.8	0.9	0.2	319	9.47	0.639	123.2	25.6	3.82	1097	2.434	5.66	1.261	1.25	3.8	284.2	265	2.3	46.9	122.5	7.5	5	18	79.9	0.1	128.3	9.1
RTIVD003	2.8	154.2	47.8	188	0.3	33.9	61.3	2414	9.61	16	3	<.1	35.6	619	0.6	0.7	0.2	344	9.75	0.669	135.3	24.9	3.51	1149	2.569	5.64	1.372	1.3	4.3	315.2	295	2.5	49.5	142.6	8.6	5	15	74.6	0.1	129.8	9.8
RTIVD004	2	104.4	45.7	181	0.2	38.4	54.2	1732	8.55	27	1.9	<.1	21.5	351	0.5	1.4	0.2	305	8.11	0.548	76	59.6	3.56	352	2.531	4.59	0.86	0.68	3.1	265.5	193	3.3	34.5	97.7	6.8	3	23	62.6	0.1	75.4	9.9
RTIVD005	3.2	71.6	58.1	228	0.2	28.9	44.4	1924	7.21	31	2	<.1	20.4	253	0.8	1.5	0.2	227	5.72	0.399	59.8	35.1	2.85	407	1.736	5.42	0.922	0.89	3	209.1	127	2.6	26.1	79.1	5	3	16	68.6	0.1	65.6	7.5
RTIVD006	2.7	44.4	64.5	213	0.1	24.7	33.9	1846	6.68	35	3.6	<.1	24.1	327	0.6	2.6	0.3	199	4.78	0.348	70.9	43	2.04	489	1.518	6.48	1.21	1.08	2.7	191.9	189	2.5	29.7	80.7	4.8	3	15	79.5	0.2	73	6.3
RTIVD007	2.4	100.2	63	229	0.2	30.5	53.7	1761	8.24	38	2.1	<.1	24.9	312	0.7	1.6	0.2	273	7.48	0.611	83.9	39.1	3.49	436	2.321	5.48	1.054	0.8	4	260.2	204	3.4	36.1	90.8	6	3	21	85.1	0.1	69.4	9.7
RTIVD008	2.2	103.5	47.3	194	0.3	31.3	62.7	1845	8.75	33	1.8	<.1	19.7	250	0.5	1.2	0.2	297	8.2	0.652	75.3	35.4	3.86	402	2.504	5.13	0.929	0.73	3.9	279.3	189	3.4	35	83.3	5.7	3	23	82.6	0.1	91.4	10.7
RTIVD009	2	109.5	60.4	213	0.1	32.3	49.6	1904	8.67	61	2.7	<.1	24.8	267	0.7	1.5	0.2	283	6.66	0.495	94	41.8	3.36	424	2.329	6.16	1.205	0.81	4	265.7	239	3.8	38	99.4	5.9	3	22	96.6	0.1	77.9	9.9
RTIVD010	2.7	40.6	73.5	222	0.1	22.5	27.4	1774	7.16	31	2.5	<.1	24.2	316	0.6	2	0.3	214	4.54	0.364	64.6	45.5	2.19	566	1.632	6.57	1.588	1.14	4.1	200.4	175	3	24.7	93.7	5.3	3	14	97	0.1	82.6	6.8
RTIVD011	2.8	31.6	37.5	138	0.3	15.4	19	1583	6.86	22	2.7	<.1	18.7	307	0.5	1.4	0.4	216	4.14	0.312	53.1	45	1.88	575	1.751	6.59	1.891	1.43	3.4	226.1	109	3.4	20.8	109.9	5.8	4	14	68.5	0.1	135.5	7.4
RTIVD012	2.8	35.1	47.8	139	0.1	16.5	23.6	1941	7.38	28	2.5	<.1	21.6	299	0.5	1.3	0.3	242	4.95	0.411	61.5	41.4	2.21	516	1.921	5.9	1.686	1.06	3.4	236.5	129	3.2	25	105.2	5.9	4	15	76.3	0.1	94	8
RTIVD013	1.7	36.9	82.7	234	0.1	71	37.9	3614	10.11	28	2.3	<.1	34.4	199	0.5	1.3	0.3	295	3.07	0.356	46.3	150.7	3.68	367	2.472	5.11	2.352	0.81	2.2	247.7	109	3	27.9	128.7	4.9	3	32	100.4	0.1	68.1	8.1
RTIVD014	3.1	26.7	55.9	164	<.1	19.9	22	2059	6.64	29	2.9	<.1	20.1	280	0.4	1.9	0.4	192	3.27	0.303	56.3	50.3	1.67	585	1.458	6.27	1.842	1.33	3.8	184.6	116	3.2	19.8	105	5.1	3	12	76.9	0.1	124.9	5.9
RTIVD015	4.2	29.5	56.4	142	<.1	17.9	15.3	1600	6.47	26	3.1	<.1	22.3	287	0.5	2	0.4	172	2.95	0.231	44.8	51.1	1.57	600	1.303	6.84	2.143	1.44	3.7	184.7	98	3.2	17.8	88.4	4.2	3	11	87.3	0.1	93.4	5.8
RTIVD016	3.1	32.1	53	150	<.1	18.6	18.1	1334	6.33	30	2.6	<.1	21.9	232	0.6	1.9	0.4	171	2.68	0.309	47.1	53.5	1.62	500	1.261	6.63	1.795	1.37	3	184.7	98	2.8	18.7	81.1	4.1	3	12	73.2	0.1	105.5	5.8
RTIVD017	3	25	43.1	126	<.1	18	14.7	1125	6.32	32	2.8	<.1	20.4	291	0.4	2.3	0.4	190	3.04	0.264	51.5	53.8	1.48	623	1.46	6.62	2.007	1.59	4.1	188.6	107	3.2	18.6	98.4	4.9	3	12	64.3	0.1	92.3	6.1
RTIVD018	3.2	22.7	55.2	122	0.1	15.4	17.5	1871	5.86	26	3.1	<.1	20.5	245	0.4	2.1	0.4	152	2.17	0.293	44.2	50.3	1.23	612	1.135	6.96	1.952	1.69	3	170.5	92	3	16.4	84.7	4.3	3	10	57.7	0.1	112.8	5.1
RTIVD019	3.3	23.6	61.3	133	<.1	16.8	19.7	1784	5.75	25	2.7	<.1	21.5	258	0.4	1.9	0.4	155	2.43	0.338	45	48.7	1.31	596	1.172	6.61	1.929	1.52	2.8	174.9	91	2.9	17	79.2	4.1	3	11	59	0.1	113.5	5.5
RTIVD020	2.9	37.5	59.2	175	0.1	22.9	28.5	1981	6.81	35	2.6	<.1	22	284	0.5	2.6	0.4	187	3.81	0.408	55.5	47.5	1.89	540	1.435	6.32	1.662	1.36	2.9	186.4	121	3	20	94.5	4.7	3	13	72.8	0.1	109.3	6.1
RTIVD021	2.4	108.2	32.8	172	0.1	16.7	77.5	2127	10.31	15	2.1	<.1	28.4	356	0.6	0.7	0.1	366	9.71	1.018	112.8	33.3	4.41	560	2.91	5.33	0.989	0.91	6.2	356.5	258	3.1	46.8	94.6	5.2	4	23	86.1	<.1	122.3	13.1
RTIVD022	2.6	99.7	46.4	199	0.1	17.5	78.8	2538	10.6	20	2.1	<.1	36.1	396	0.7	0.9	0.2	368	8.84	1.003	140.4	37.8	4.13	716	2.842	4.89	1.14	1.04	5.3	319.2	306	2.8	48.8	95.9	5.6	4	22	92.5	<.1	115.9	11.7
RTIVD023	2.2	62.2	89.6	226	0.1	25.4	46.7	2014	7.77	54	2.2	<.1	23.7	214	0.5	2.6	0.3	224	4.56	0.496	68.2	44.9	2.51	470	1.742	5.89	1.233	1.16	2.8	217.7	166	2.8	27.2	74.1	4.5	3	16	80.1	0.1	98.9	8
RTIVD024	1.6	83.6	44.5	198	0.1	27.3	56.7	1709	9.06	28	1.9	<.1	23	296	0.8	1.1	0.2	312	7.43	0.679	82.5	35.5	3.67	445	2.408	5.04	1.095	0.8	3.4	284.7	200	2.8	34.9	77.7	5.4	3	20	79.2	<.1	89.2	10.9
RTIVD025	2.3	34.6	76.8	152	0.5	22.6	38.7	1249	7.71	64	2	<.1	22	367	0.4	7.8	0.4	245	5.48	0.53	65.3	44.3	2.3	676	1.793	6.58	1.183	1.33	4.4	247	148	2.4	24.3	56.5	3.9	3	15	56.4	<.1	79	8.9
RTIVD026	1.9	119.6	46.7	190	0.1	32.9	64	1678	9.31	35	2.1	<.1	33.3	332	0.6	1.8	0.2	305	7.71	0.656	93.5	29.7	4.07	637	2.442	5.18	0.963	0.82	3.5	275.6	230	2.9	36.8	81.6	5.7	3	21	83.2	<.1	85.5	10.9
RTIVD027	2.1	56.7	61.9	187	<.1	23.2	53.2	2099	8.1	36	2.1	<.1	26	344	0.6	2.6	0.3	268	6.33	0.668	85.2	39.1	2.88	617	2.109	5.75	1.26	1.03	3.8	255.3	215	2.6	32.7	87.9	5.4	3	16	78.1	<.1	81.8	9.4
RTIVD028	2.1	27.2	68.1	141	<.1	21.9	33	2529	5.58	40	2.4	<.1	22.9	241	0.5	5.7	0.5	126	1.77	0.32	40.7	54.6	0.81	588	0.795	7.07	1.753	1.64	2.4	130.8	87	2.3	14.5	52	2.7	2	12	42	<.1	99.9	4.2
RTIVD029	2.9	37.6	59.2	169	<.1	20.7	33.2	2068	6.4	33	2.4	<.1	20.9	206	0.4	2.5	0.4	159	2.54	0.325	52.4	44.4	1.62	481	1.089	6.73	1.634	1.36	2.3	166	97	2.5	18.7	57.1	3.2	3	13	61.5	<.1	97	5.9
RTIVD030	3.8	34.6	134.9	292	<.1	27.7	26.9	1747	6.32	124	4.4	<.1	42	330	0.7	4.6	0.6	116	2.13	0.246	73.2	51.5	1.58	795	0.605	7.39	1.717	1.62	2.7	128.5	155	2.1	30.3	64.1	3.1	3	12	101.4	<.1	120.5	4
STANDARD DST6	12.4	126.9	32.2	169	0.3	32.3	14.5	970	4.03	24	7	<.1	6.4	331	6	5.3	4.5	116	2.3	0.098	24.7	246.8	1.1	670	0.376	7.02	1.726	1.46	8.3	57.6	49	5.8	14.1	10.2	0.7	3	11	27.2	<.1	60	1.8
G-1	1.1	3.7	22.3	50	<.1	6.9	4.2	725	2.25	1	4.3	<.1	7.7	657	0.1	0.1	0.2	54	2.33	0.083	27.8	85.5	0.55	914	0.217	7.75	2.488	2.59	0.3	9.4	53	1.5	14.7	24	1.8	3	5	36.4	<.1	118.7	0.8
RTIVD031	3.1	31.6	112.2	210	0.1	25.5	28.3	1730	5.34	51	3.4	<.1	36	216	0.3	4	0.6	110	1.64	0.219	69.2	50.5	1.22	532	0.59	6.96	1.752	1.47	2.2	133.5	166	1.8	29.8	47.4	2.5	3	11	70.4	0.1	87	4.3
RTIVD032	2.5	24.6	84	172	0.2	21.4	21.6	1888	4.9	37	2.7	<.1	29.2	211	0.4	2.8	0.5	103	1.68	0.193	54.6	56.6	1.33	561	0.64	6.55	1.946	1.47	2.5	130.7	115	2.3	18.5	61.1	3.2	3	9	80.2	<.1	87.7	4
RE RTIVD032	2.6	24.1	83.8	157	0.2	20.8	22	1959	4.97	36	2.8	<.1	29.6	212	0.3	3	0.5	111	1.83	0.193	58.8	63.4	1.28	591	0.702	6.46	1.913	1.49	2.7	129.7	125	2.9	19.1	60.1	3.4	4	9	75.9	<.1	89.1	4.4
RTIVD033	2.8	19.5	42.1	115	0.2	15.4	16.5	1725	5.17	24	3.2	<.1	23.3	212	0.4	1.8	0.5	115	1.41	0.196	41.7	63.8	1	554	0.686	6.51	1.676	1.58	2.6	127.7	78	2.2	13.1	57.7	3	3	8	59.4	<.1	124.3	4.4
RTIVD034	3.2	18.6	53.5	126	0.1	16.4	17.6	1669	4.91	28	3.4	<.1	24	218	0.4	2.4	0.6	112	1.78	0.203	49.4	58.9	1.5	577	0.676	6.91	2.063	1.56	2.6	140.5	88	2.9	13.2	63.1	3.2	4	9	78.3	<.1	96.9	4.3
RTIVD035	2.6	20.4	51.9	118	0.3	17.1	15.5	1098	5.46	32	3.2	<.1	27.3	224	0.3	3	0.4	107	1.53	0.157	52.3	56.4	1.04	607	0.662	7.05	1.857	1.77	2.6	129.6	107	2.3	16	63.9	3.5	4	9	71.6	<.1	98	4
RTIVD036	2.6	23.6	69.3	128	0.2	20.9	20.9	1674	5.42	36	3.2	<.1	32	235	0.2	3	0.5	108	1.63	0.232	62.8	62.1	1.05	676	0.701	7.08	1.995	1.86	2.9	140.9	128	2.8	19.3	79.9	4.6	3	9	61.3	<.1	111.7	4.5
RTIVD037	2.6	22.5	56	95	0.1	18	16.4	1110	5.46	25	2.9	<.1	26.6	189	0.5	2.6	0.5	96	0.93	0.178	48.5	60.3	0.83	515	0.514	7.29	1.816	1.6	2.3	139.7	97	2.2	16.9	46.9	2.2	3	9	52	<.1	97.6	4
RTIVD038	1.7	25.7	73.1	182	<.1	26.6	22.8	1543	4.29	53	2.4	<.1	26.2	182	0.6	4.3	0.6	85	1.77	0.211	55.7	63.9	1.73	482	0.356	6.43	1.296	1.77	2.8	81.4	96	1.9	25.3	26.2	1.3	4	12	77.2	<.1	113.9	2.4
RTIVD039	1.3	34.9	112	188	<.1	36.9	29.2	1622	5.62	103	2.6	<.1	27.6	302	0.3	4	0.6	101	1.22	0.149	69.2	70.5	2.09	538	0.401	9.45	1.796	2.09	2.8	106.1	132	2.1	29.8	27.8	1.3	3	14	85.1	<.1	108.6	3.1
RTIVD040 (empty)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RTIVD041	1.8	33.6	63.7	318	<.1	33.3	21.8	1614	4.61	95	3.2	<.1	36.3	188	0.8	8.4	0.5	94	1.37	0.211	78.8	77.3	1.78	687	0.357	8.21	2.07	2.09	3.3	93.3	128	1.9	41.8	32.5	1.2	5	16	102.1	<.1	113.4	2.6
RTIVD042	1.6	28.8	84.1	159	<.1	27.2	20.5	1222	4.64	84	2.5	<.1	30.7	189	0.2	5.1	0.5	92	2.07	0.188	77.3	68.3	1.73	566	0.443	7.63	1.58	1.73	2.8	98.5	132	2	26.3	40.6	1.7	4	13	108.4	<.1	95.2	2.9
TMIVD001	14.6	20	78.9	258	0.1	26.6	14.7	1563	4.82	14	3.4	<.1	65.7	306	0.2	1.1	0.7	112	1.95	0.101	309.2	77.3	1.38	1303	0.431	8.47	3.933	1.71	5.3	57.6	514	3.5	28.6	92.6	1.8	7	9	105.5	<.1	73.5	2
TMIVD002	10.3	23.1	66.6	250	<.1	21.3	12.7	1614	4.83	13	3.5	<.1	50.3	302	0.3	0.8	0.8	99	1.82	0.194	155.7	72.8	1.21	1317	0.461	8.62	3.718	1.82	5.2	71	290	3.2	25.5	83.2	2	5	9	93.4	<.1	90.2	2.2
TMIVD003	9.8	40.4	44.8	282	0.1	26.8	26.6	3745	4.6	53	7.5	<.1	37.2	348	0.3	0.7	0.4	80	4.15	0.219	197.5	73	1.71	1151	0.421	7.59	3.107	1.3	5.2	73.3	263	1.8	42.8	37.3	1.4	6	11	88	<.1	62.8	2.3
STANDARD DST6	12.9	131.7	37.3	176	0.3	33.1	14.8	996	4.04	25	8.7	<.1	7.9	319	6	5.6	5.2	117	2.2	0.094	28.8	223.7	1.02	667	0.367	6.66	1.671	1.44	8	57.8	56	5.8	14.4	10.1	0.7	4	10	29.9	<.1	61.1	1.9

APPENDIX V – Best rock analyses to date, sorted by element*

All values in ppm except where noted

>1000 ppm La*

SAMP_NUI	SAMP_TYPE	RTYPE_MAJ	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	REEs	HREEs+Y
TMIVR032	GRAB	carbonatite vein with black ox	323	**5397**	**12571**	**1516**	**5425**	673	148.3	256.9	28.5	90.8	6.67	13.49	2.17	14.07	1.53	**26146**	738
JBIVR048	CHIP 2.5m	syenite-zeolite-nepheline, punky-chalky w. 10% amc	244	4336	9464	1175	4287	581	142.1	276.8	30.4	91.3	6.38	7.39	0.95	7.73	0.87	20406	666
TMIVR003	GRAB boulder	syenite (altered) light pink feldspar bearing syenite v	**843**	3608	8892	1126	4202	665	**154.0**	**359.4**	**43.1**	**176.7**	**22.85**	**52.18**	**5.7**	**30.35**	**3.42**	19340	**1537**
JBIVR064	GRAB	carbonatite dyke, 1m, pegmatitic, white. V. Cse euh	160	2927	6627	731	2570	327	74.6	172.8	19.4	51.1	3.99	7.47	1.06	7.69	0.87	13520	424
JBIVR060	GRAB	Fenite? Punky phlogopite rich jacupirangite?	343	1866	4582	579	2162	337	82.8	191.1	24.4	85.8	9.71	17.99	1.59	7.57	0.66	9947	682
JBIVR085	GRAB	Carbonatite brownish, +- pink zeo-syenite, composit	235	1844	5184	660	2290	254	54.1	109.0	13.1	50.3	5.17	12.29	1.86	11.99	1.55	10490	440
JBIVR061	CHIP 0.7m	carbonatite, wht-gry and orng, pegmatitic dyke, 70 c	181	1457	3658	452	1682	248	57.3	122.9	12.9	40.4	4.3	9.21	1.05	6.22	0.64	7752	378
JBIVR082	GRAB	syenite, zeolite, at intersection with another zeolite r	124	1148	2655	323	1147	173	37.7	71.5	8.6	30.5	2.81	6.16	0.97	6.06	0.71	5612	252
JBIVR046	GRAB	travertine-calcite with syenite veinlet stockwork, with	**618**	1139	3264	432	1695	359	89.9	232.3	30.1	114.1	15.64	38.41	4.3	23.38	2.44	7439	1079
JBIVR066	CHIP 0.5m	Fenitized Jacupirangite host, 0.5 m	192	1010	2541	301	1124	158	40.5	102.5	13.3	44.2	5.29	11.76	1.37	8.49	1.01	5363	380

>900 ppm Nb*

SAMP_NUM	Samp Type	RSAMP_DESC	Nb	Hf	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	REEs	HREE+Y
JBIVR042	grab	syenite @ S end of OC	**3923**	55	3201	23	199	325	27.3	71.9	7.44	1.73	2.95	0.63	3.33	0.65	2.76	0.56	4.77	0.84	649	40
JBIVR044	grab	syenite, fn-md grnd with sodalite	**2403**	120	7151	21	74	141	11.5	36.3	4.84	1.19	2.33	0.46	2.86	0.59	2.7	0.57	4.89	0.84	284	36
JBIVR040	grab	syenite, cse amph-phyric, plag-bte in matrix	**1929**	137	7227	38	83	139	12.3	32.2	4.18	1.21	2.64	0.7	4.53	1.45	6.2	1.36	10.17	1.79	301	67
JBIVR070	grab	syenite pegmatite (1-2 m dyke), acmite&aug	**1801**	464	**25744**	61	580	933	78.0	220.7	29.42	6.4	14.05	1.82	7.61	1.47	5.99	1.21	10.21	1.52	1891	104
JBIVR025	grab	Sy, meso-leucocratic, sodalite+-zeolite, spot	**1104**	40	2885	12	32	60	4.2	11.3	1.8	0.56	1.34	0.28	1.78	0.39	1.3	0.21	1.55	0.22	117	19
TMIVR002	grab	Limestone (2b), skarnified, fluroite veinlets, '	989	58	5074	25	130	341	40.4	137.4	16.38	3.73	7.23	1.04	4.57	0.62	1.94	0.33	2.5	0.38	687	44
JBIVR038	grab	syenite dyke -fine to med grained, grey-gree	978	23	1268	34	88	129	11.6	33.6	4.62	1.44	3.97	0.86	5.03	0.98	3.48	0.63	4.64	0.7	289	54
JBIVR039	grab	syenite, rusty talus	968	94	8278	34	47	74	6.7	20.5	3.04	0.98	2.92	0.62	3.71	0.76	2.71	0.48	3.3	0.47	168	49
JBIVR066	chip 0.5m	Fenitized Jacupirangite host, 0.5 m	962	8	297	192	1010	2541	300.8	**1124.4**	158.29	40.49	102.46	13.31	44.23	5.29	11.76	1.37	8.49	1.01	5363	**380**
JBIVR077	grab	Syenite dyke, 4m thick, fn-grnd, moderately	927	30	2406	27	64	97	8.5	21.8	3.45	1.15	2.94	0.67	3.76	0.86	3.2	0.66	4.3	0.67	212	44

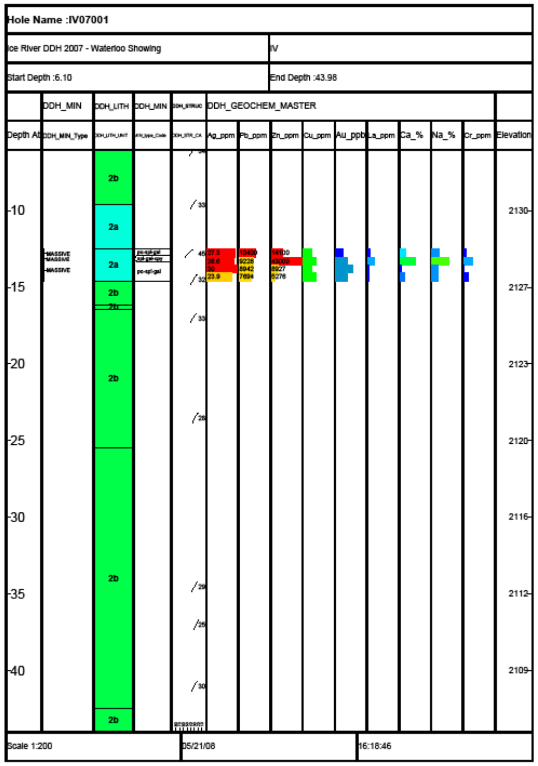
>1% Ba*

SAMP_NUI	SAMP_TYI	RSAMP_DESC	Ba	Cs	Hf	Nb	Ta	Th	Zr	Y	Ce	SiO2_%	CaO_%	Na2O_%	P2O5_%	MnO_%	LOI_%	REEs	HREEs+Y
TMIVR032	GRAB	carbonatite vein	**288595**	0.8	1.5	15.4	3.5	10000	35.3	323	12571	2.99	12.03	7.14	0.02	0.06	22.8	**26146**	738
JBIVR085	GRAB	Carbonatite brownish, +- pink zeo-syenite, coı	**144271**	7.6	0.5	120.2	2.4	2946	15.7	235	5184	10.13	18.84	0.43	0	1.59	24.5	**10490**	440
JBIVR064	GRAB	carbonatite dyke, 1m, pegmatitic, white. V. Cs	**125601**	114.1	0.3	328.6	10	889	8.3	160	6627	0	0	0	0	0	0	**13520**	424
JBIVR082	GRAB	syenite, zeolite, at intersection with another ze	**100756**	5.4	0.4	269.5	9.8	2068	16.7	124	2655	33.94	6.25	1.01	0.02	0.43	11.3	5612	252
JBIVR060	GRAB	Fenite? Punky phlogopite rich jacupirangite?	81454	9.5	3.3	130.4	3.2	2277	58.7	343	4582	0	0	0	0	0	0	9947	682
JBIVR075	CHIP	Fenitized Jacupirangite, 50cm zone	79748	1.8	5.2	284.4	2.6	1945	476.9	206	1782	28.15	2.74	4.05	0.18	0.45	11.6	3985	441
JBIVR083	CHIP	syenite, zeolite, 120cm chip, coarse vuggy, ze	61945	5.4	0	131.5	4.5	1396	21.4	119	2081	21.08	17.28	0.82	0	1.3	22.7	4342	266
JBIVR081	GRAB	Syenite, sodalite dyke, 10-20cm wide. 10-15%	58473	0.2	0.2	247.1	6.1	1192	22	109	897	33.14	6.96	7.57	0.71	0.61	12.9	1974	207
JBIVR016	GRAB	Skarn, diop; ijolite+lst; lrg blbs+swarms of 1-1	48854	2.2	3	190	4.2	107	44.4	116	849	0	0	0	0	0	0	1815	202
JBIVR066	CHIP	Fenitized Jacupirangite host, 0.5 m	42806	7.8	7.8	962.4	7.7	1404	297	192	2541	0	0	0	0	0	0	5363	380
JBIVR084	CHIP	syenite, zeolite, 40cm wide dyke, vuggy with b	32733	4.6	0	744.7	17.3	559	32.8	666	353	39.95	5.11	10.15	**3.12**	0.24	8.5	1061	938
JBIVR067	CHIP	carbonatite, white, course, 2.5m	30089	1	0.6	30.7	0.5	981	19.7	92	537	0	0	0	0	0	0	1133	149
JBIVR065	CHIP	Fenitized Jacupirangite host, 0.5 m	22321	24.9	11.5	193	3.3	2992	503.5	136	277	0	0	0	0	0	0	659	213
JBIVR078	GRAB	Lamp or Carb?, 5m wide dyke. 20% calcite, 3	21985	2.9	0.9	758.5	12	1019	20.2	118	769	19.79	17.19	1.41	0.06	2.48	21	1879	221
JBIVR070	GRAB	syenite pegmatite (1-2 m dyke), acmite&augit	17086	2.6	463.6	1801.1	69.1	409	25743.6	61	933	0	0	0	0	0	0	1891	104
JBIVR061	CHIP	carbonatite, wht-gry and orng, pegmatitic dyke	13215	0.4	0.9	47.5	1.1	2326	22.1	181	3658	0	0	0	0	0	0	7752	378
TMIVR025	GRAB	unknown lithology, possible syenite, very rusty	10050	6.5	1.2	138.2	1.1	35	93.4	52	24	41.34	9.09	6.1	0.07	0.5	11.1	80	74

>2000 ppm Zr*

SAMP_NUM	SAMP_TYI	RSAMP_DESC	Zr	Hf	Ba	Cs	Nb	Ta	Th	Y	Ce	SiO2_%	CaO_%	Na2O_%	P2O5_%	MnO_%	LOI_%	REEs	HREEs+Y
JBIVR070	GRAB	syenite pegmatite (1-2 m dyke), acmite&augite+s	**25744**	**464**	**17086**	2.6	1801	69.1	409.3	60.6	933.3	0	0	0	0	0	0	1891	104
JBIVR039	TALUS	syenite, rusty talus	8278	94	347	3.8	968.4	4.1	69.5	33.6	74	59.43	0.9	8.51	0	0.08	2.7	168	49
JBIVR040	GRAB	syenite, cse amph-phyric, plag-bte in matrix	7227	137	277	1.4	1929	44.6	88.6	38	138.5	62.28	0.4	7.5	0	0.23	0.5	301	67
JBIVR044	GRAB	syenite, fn-md grnd with sodalite	7151	120	626	0.7	2403	49.6	81.1	20.5	140.8	60.08	0.35	9.32	0.01	0.36	-0.6	284	36
TMIVR002	GRAB	Poorly bedded, conglomeratic, dark grey-bluish g	5074	58	9733	5.3	988.8	6.1	214.7	25.4	340.5	60.29	1.21	6.98	0.02	0.16	2.2	687	44
JBIVR037	GRAB	syenite dyke	3793	56	417	2.2	691.1	1.4	1671	124.1	999.3	59.26	5.75	7.65	0.25	1.03	1.5	2039	185
JBIVR042	GRAB	syenite @ S end of OC	3201	55	3511	0.8	3923	127.4	83.3	23.3	324.5	59.5	0.26	8.64	0	0.21	2.2	649	40
JBIVR025	GRAB	Sy, meso-leucocratic, sodalite+-zeolite, spotty ru	2885	40	246	5.6	1104	10.9	43.2	12.4	60	0	0	0	0	0	0	117	19
JBIVR015	GRAB	grab of 1m dykeSy dyke, minor py	2407	34	1849	2.5	458.8	1.5	203.2	109.9	239.2	0	0	0	0	0	0	759	198
JBIVR077	GRAB	Syenite dyke, 4m thick, fn-grnd, moderately rusty	2406	30	477	17	927.2	37.2	45.2	27.2	96.8	55.54	1.89	8.76	0.07	0.15	3.5	212	44
JBIVR069	GRAB	syenite, sodalite dyke	2009	32	1394	15.1	241.8	7.4	102.1	21.9	201.7	0	0	0	0	0	0	419	33

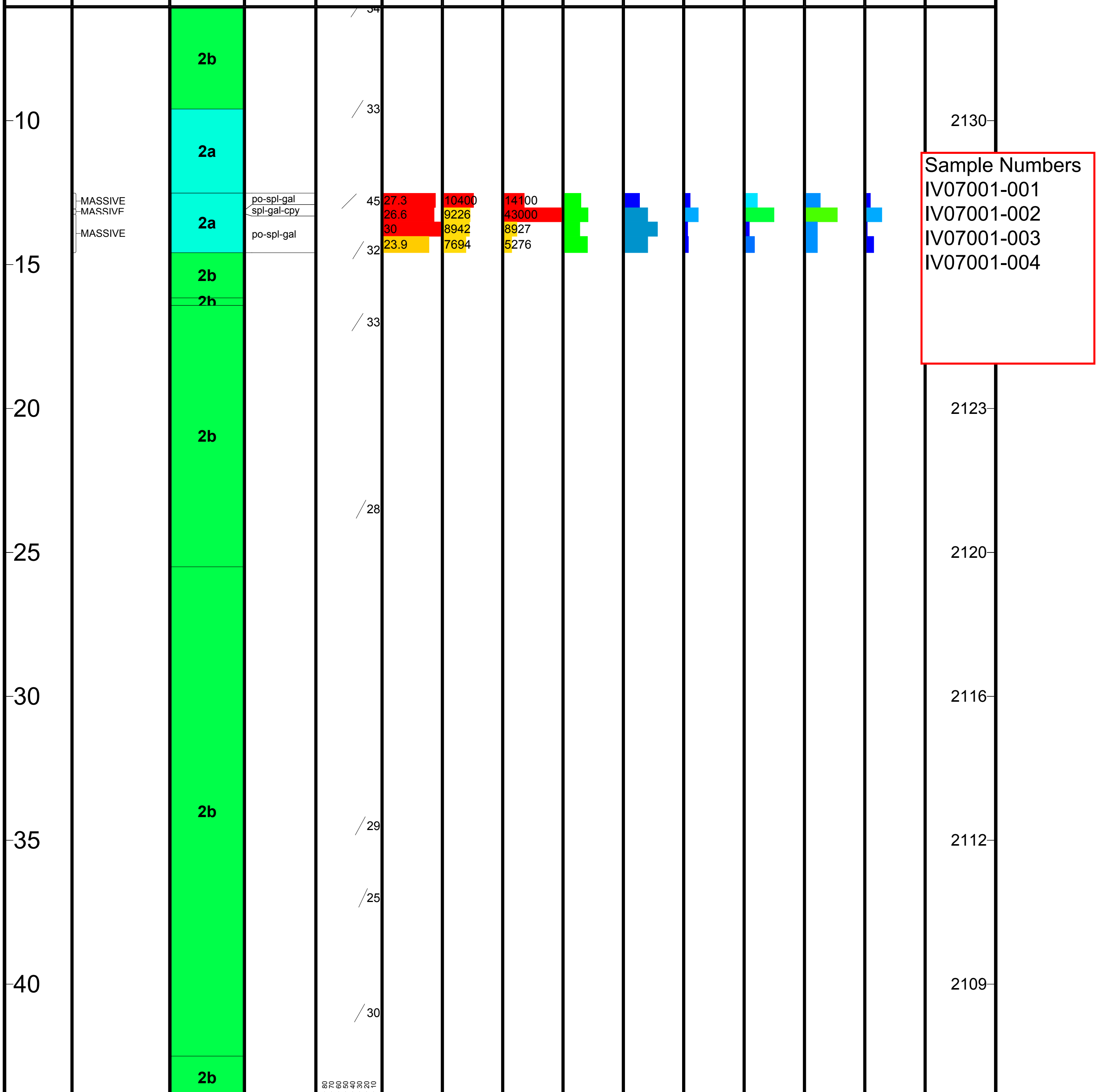
APPENDIX VI – DDH STRIP LOGS



Hole Name :IV07001

Ice River DDH 2007 - Waterloo Showing	IV
Start Depth :6.10	End Depth :43.98

	DDH_MIN	DDH_LITH	DDH_MIN	DDH_STRUC	DDH_GEOCHEM_MASTER									
Depth At	DDH_MIN_Type	DDH_LITH_UNIT	MIN_type_Code	DDH_STR_CA	Ag_ppm	Pb_ppm	Zn_ppm	Cu_ppm	Au_ppb	La_ppm	Ca_%	Na_%	Cr_ppm	Elevation



Scale 1:200	05/21/08	16:18:46

Hole Name :IV07001

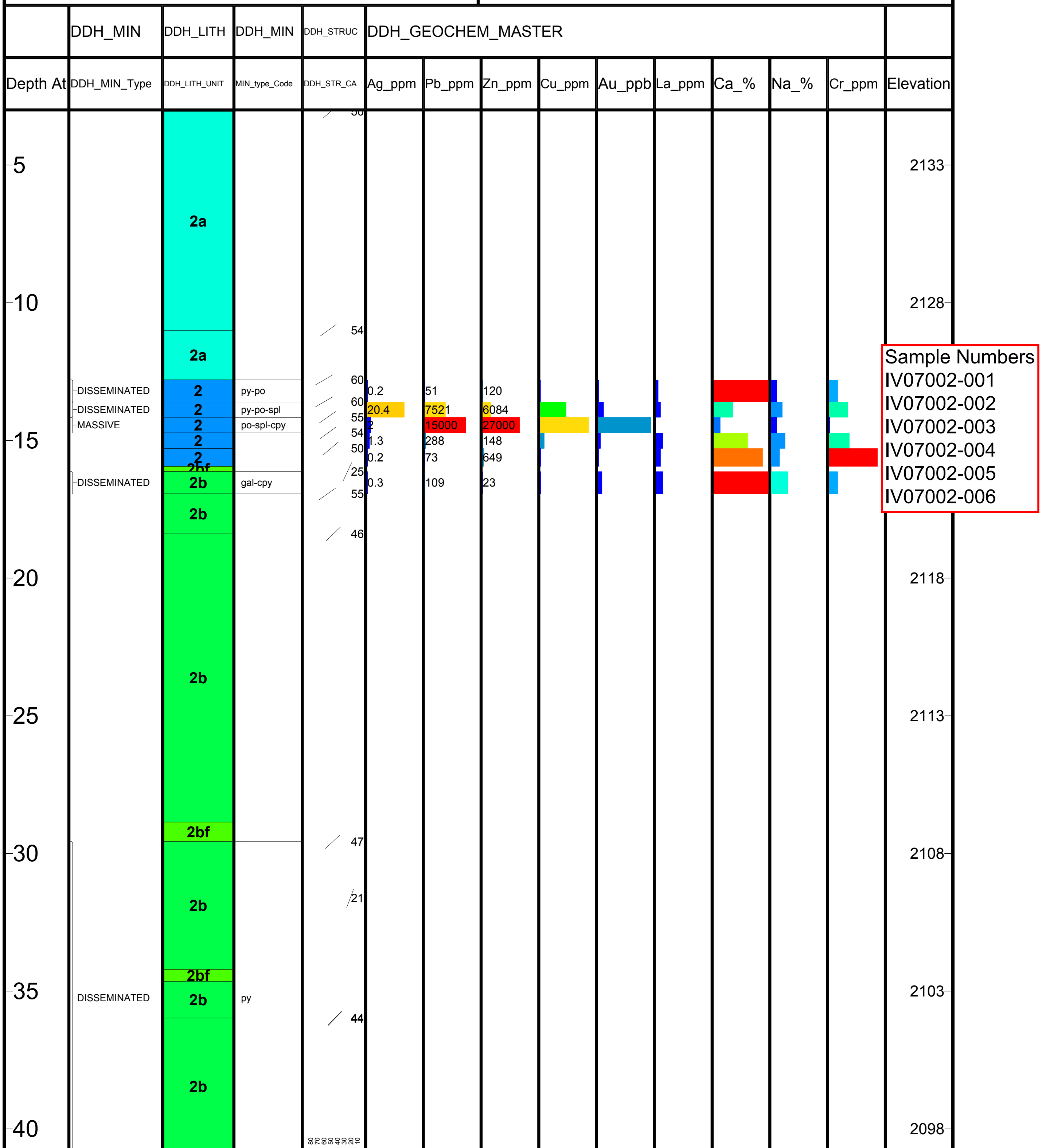
Ice River DDH 2007 - Waterloo Showing	IV
Start Depth :43.98	End Depth :81.87

	DDH_MIN	DDH_LITH	DDH_MIN	DDH_STRUC	DDH_GEOCHEM_MASTER									
Depth At	DDH_MIN_Type	DDH_LITH_UNIT	MIN_type_Code	DDH_STR_CA	Ag_ppm	Pb_ppm	Zn_ppm	Cu_ppm	Au_ppb	La_ppm	Ca_%	Na_%	Cr_ppm	Elevation
45		2b												2105
50														2101
55														2098
60														2094
65														2090
70														2086
75														2083
80				80 70 60 50 40 30 20 10						2079

Scale 1:200	05/21/08	16:18:46

Hole Name :IV07002

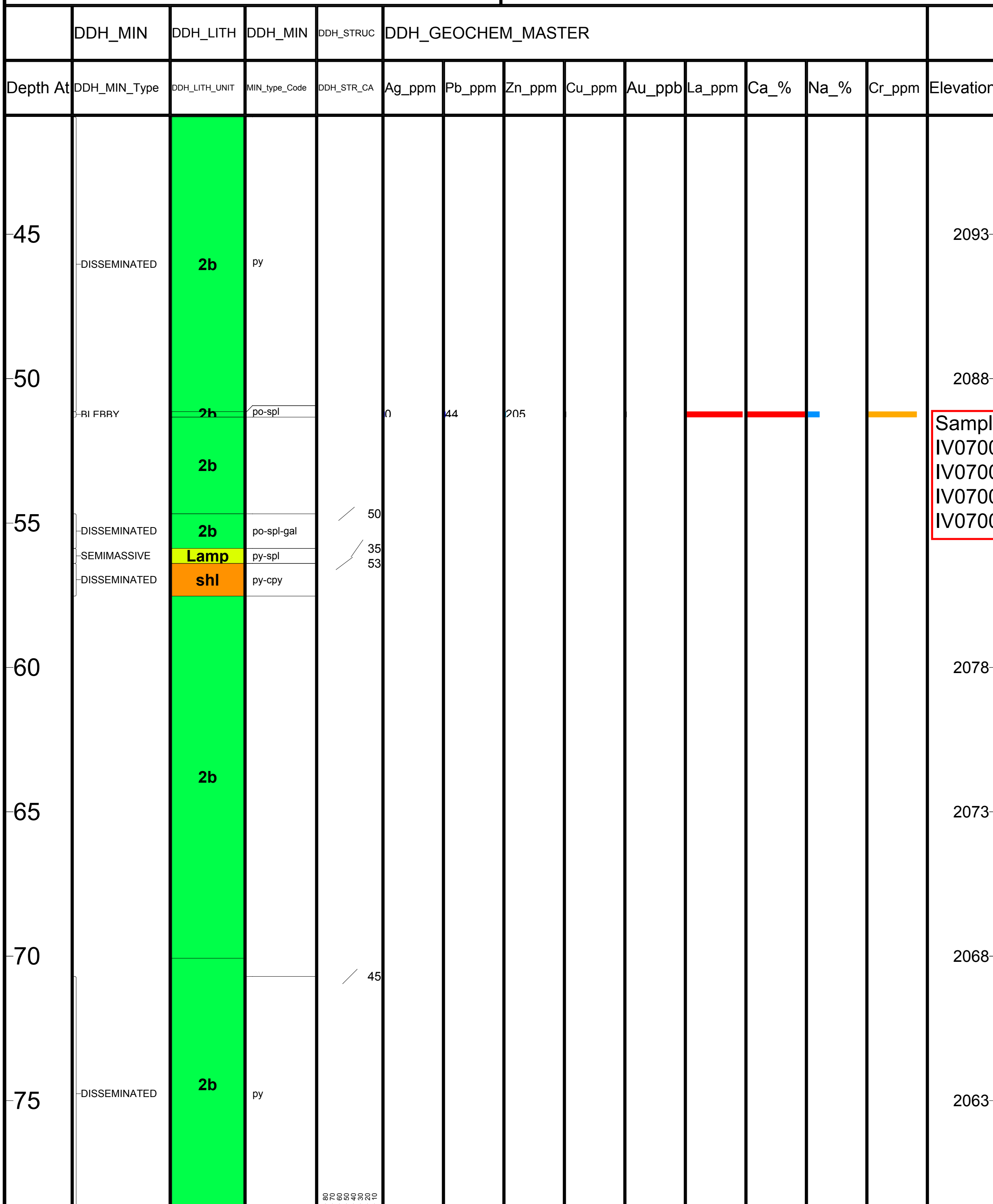
Ice River DDH 2007 - Waterloo Showing	IV
Start Depth :3.05	End Depth :40.93



Scale 1:200	05/21/08	16:18:46

Hole Name :IV07002

Ice River DDH 2007 - Waterloo Showing	IV
Start Depth :40.93	End Depth :78.82



Sample Numbers
IV07002-007
IV07002-008
IV07002-009
IV07002-010

Scale 1:200	05/21/08	16:18:46

Hole Name :IV07002

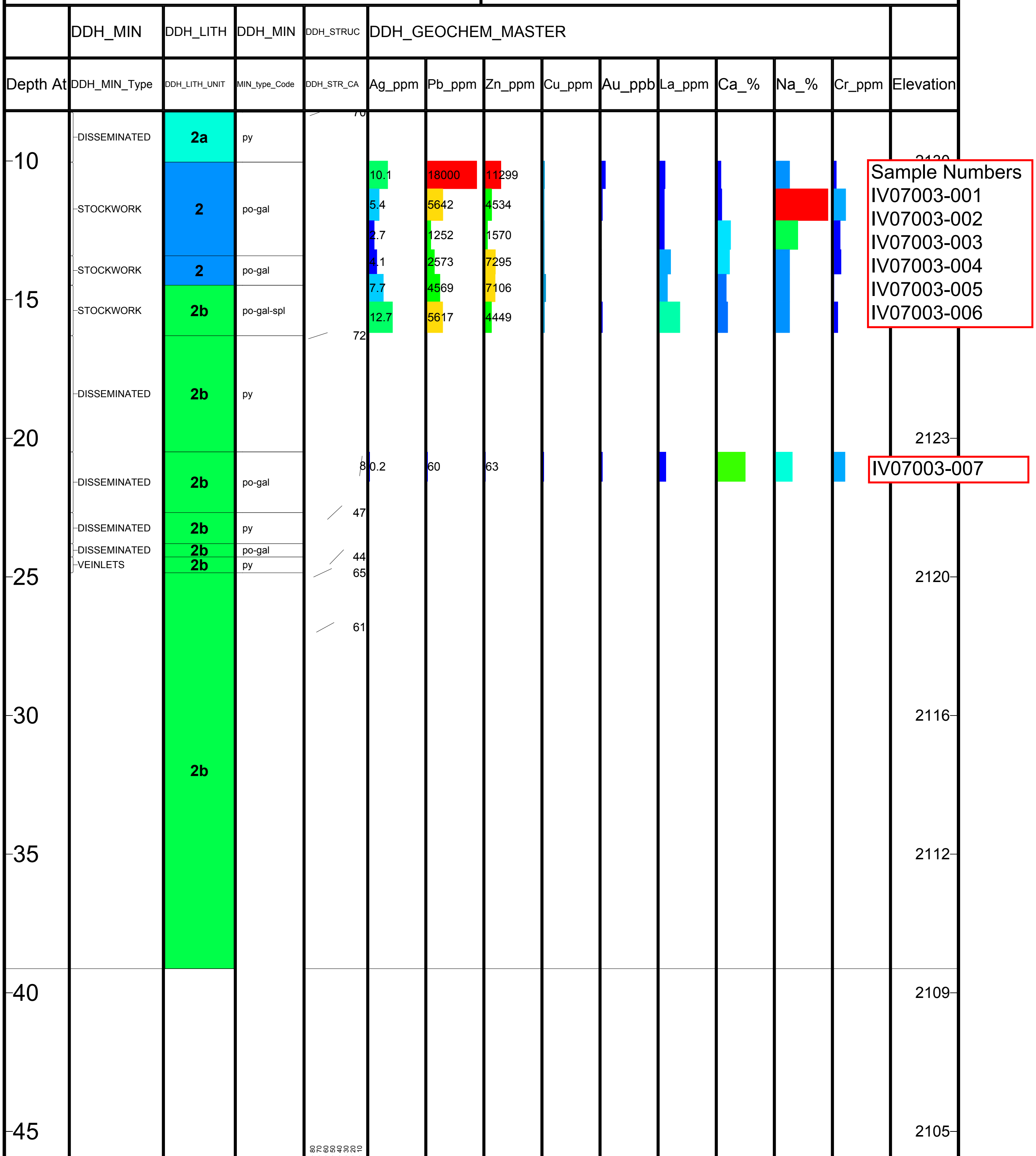
Ice River DDH 2007 - Waterloo Showing	IV
Start Depth :78.82	End Depth :116.70

	DDH_MIN	DDH_LITH	DDH_MIN	DDH_STRUC	DDH_GEOCHEM_MASTER									
Depth At	DDH_MIN_Type	DDH_LITH_UNIT	MIN_type_Code	DDH_STR_CA	Ag_ppm	Pb_ppm	Zn_ppm	Cu_ppm	Au_ppb	La_ppm	Ca_%	Na_%	Cr_ppm	Elevation
80														2058
85														2054
90														2049
	DISSEMINATED	2b	py											
95														2044
100														2039
105														2034
110														2029
115														2024
				80 70 60 50 40 30 20 10										

Scale 1:200	05/21/08	16:18:46

Hole Name :IV07003

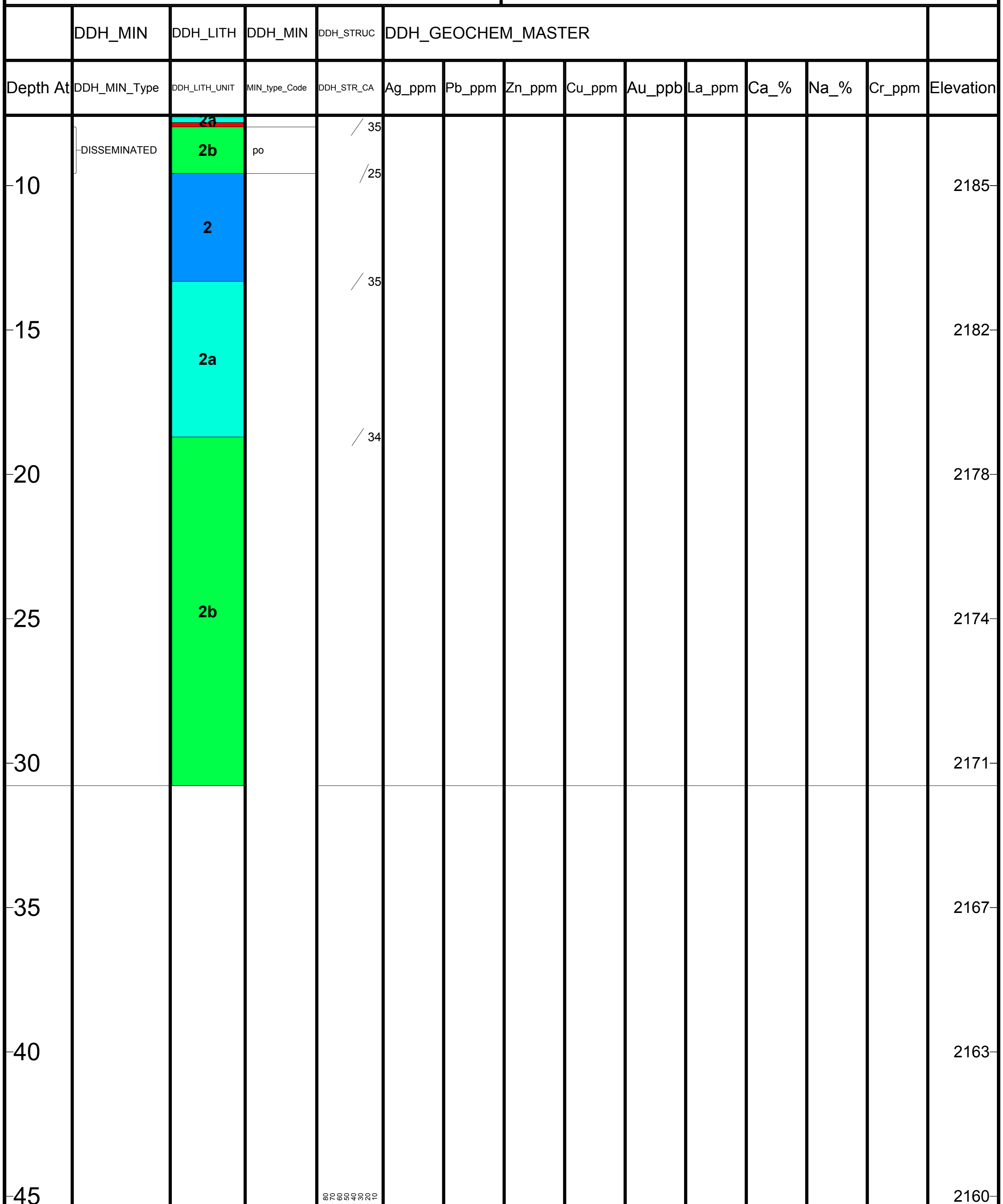
Ice River DDH 2007 - Waterloo Showing	IV
Start Depth :8.24	End Depth :46.12



Scale 1:200	05/21/08	16:18:47

Hole Name :IV07004

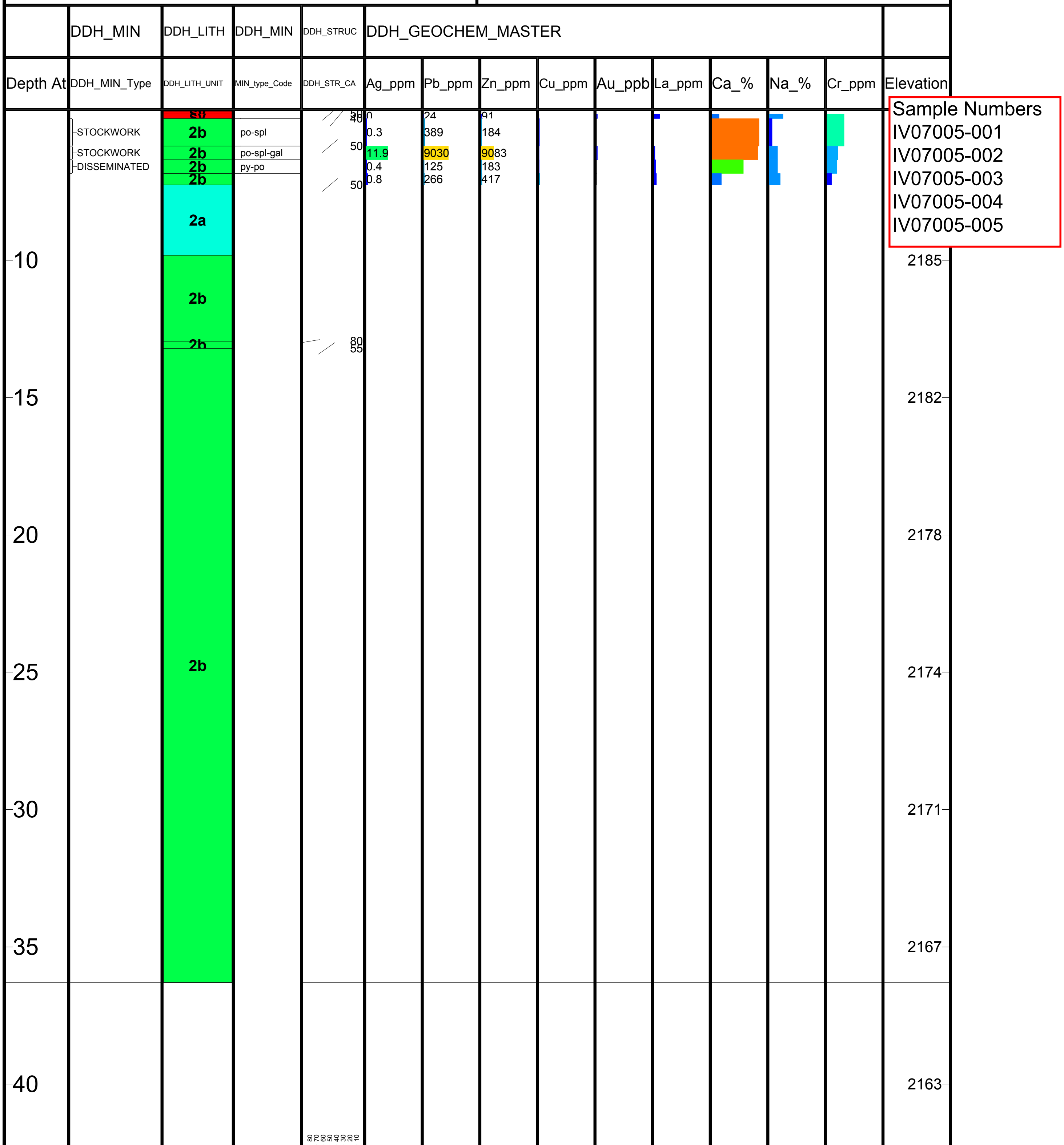
Ice River DDH 2007 - Waterloo Showing	IV
Start Depth :7.62	End Depth :45.50



Scale 1:200	05/21/08	16:18:47

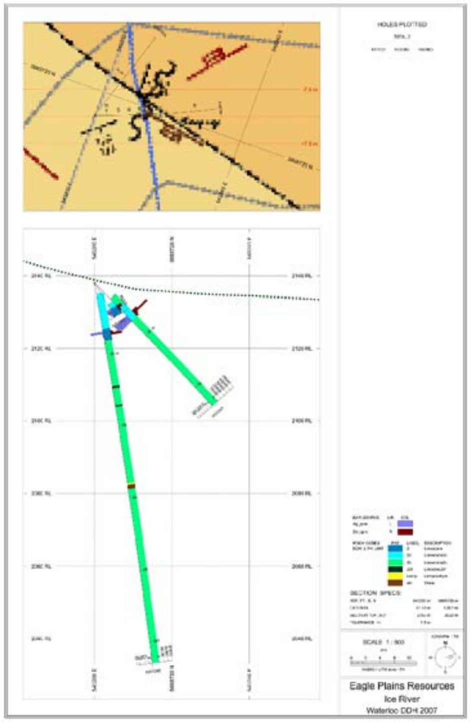
Hole Name :IV07005

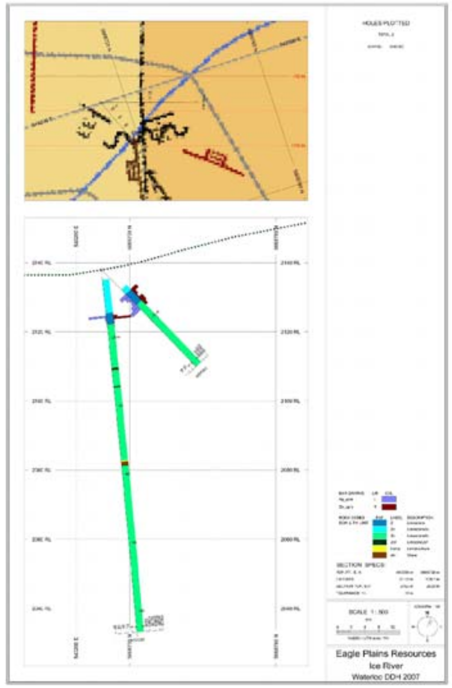
Ice River DDH 2007 - Waterloo Showing	IV
Start Depth :4.57	End Depth :42.45

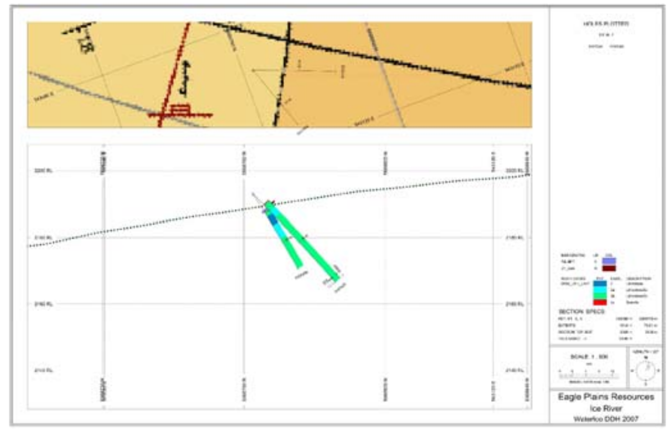


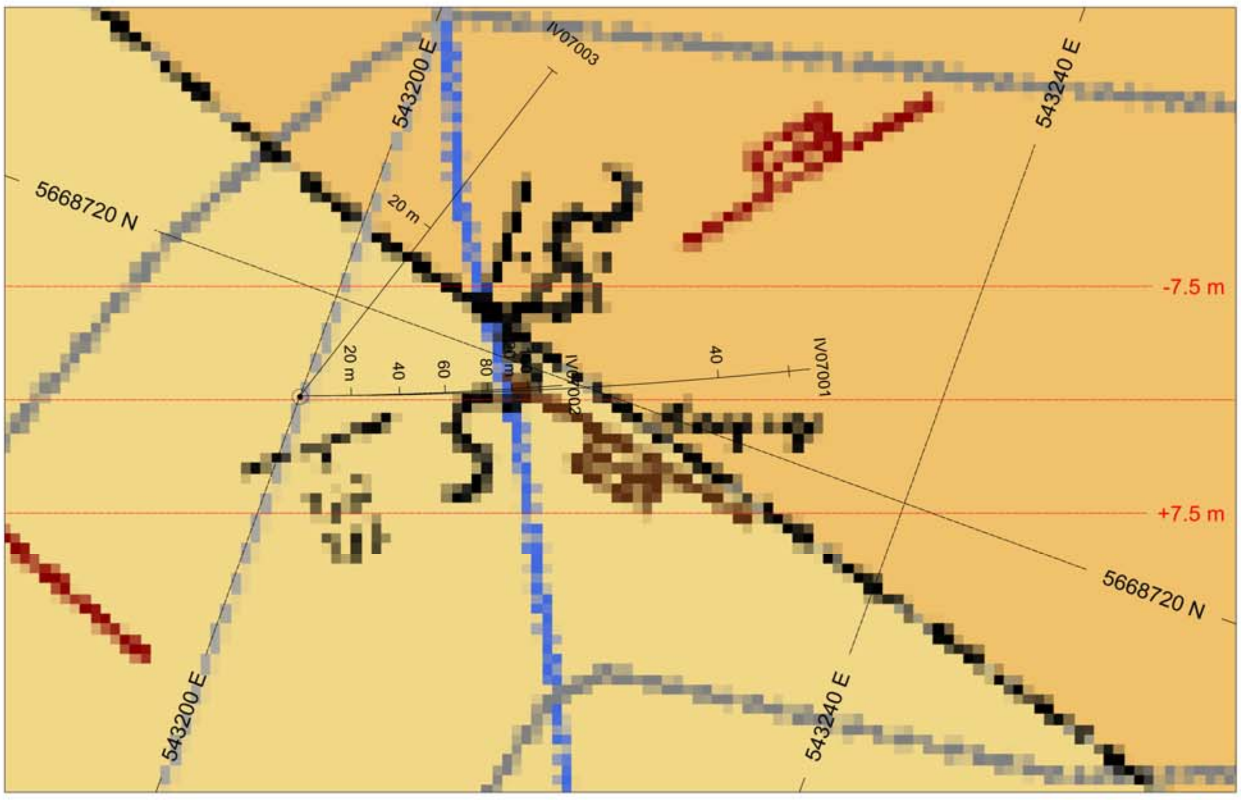
Scale 1:200	05/21/08	16:18:47

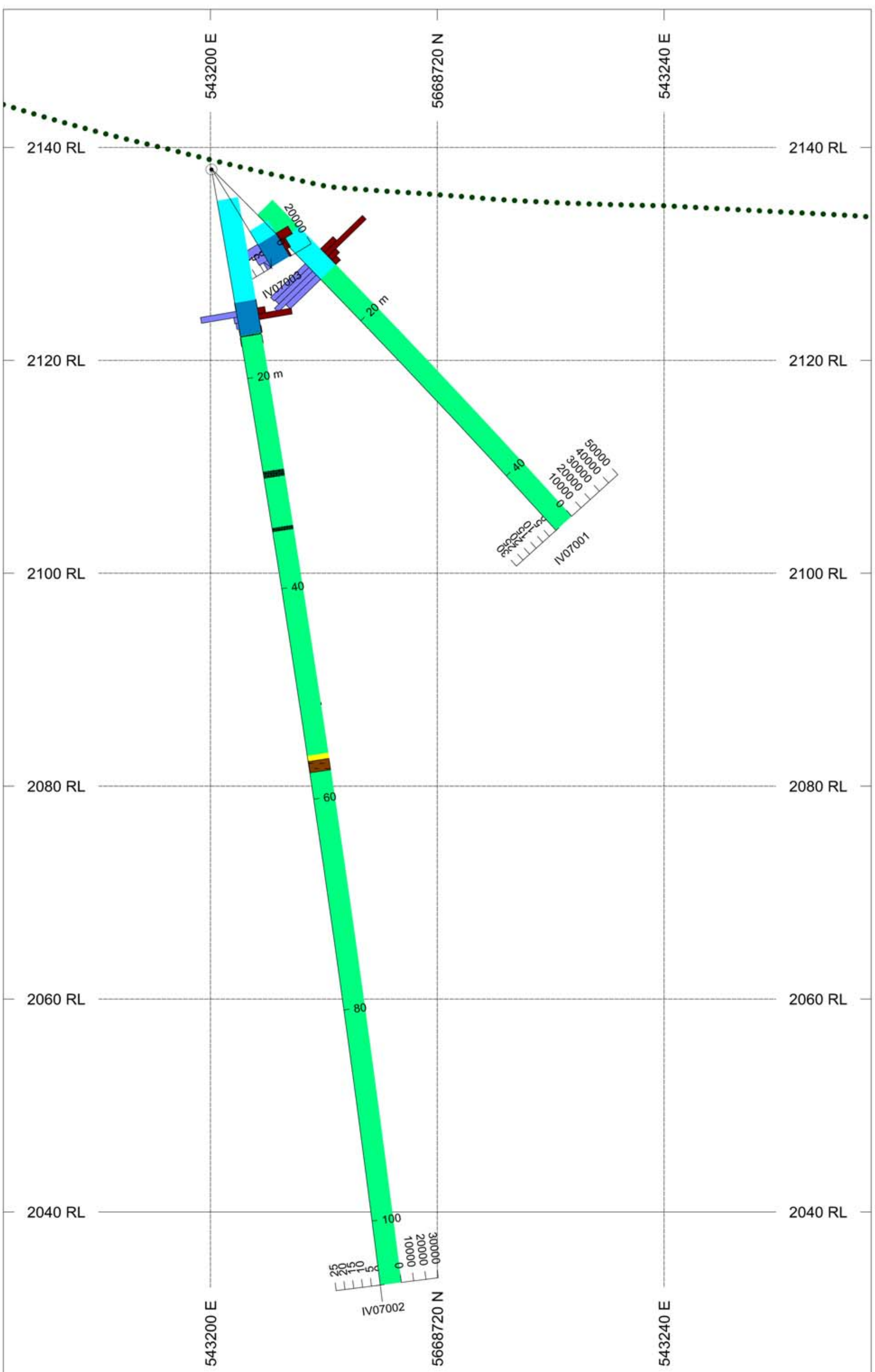
APPENDIX VI – DDH STRIP LOGS











HOLES PLOTTED

TOTAL 3

IV07001 IV07002 IV07003

BAR GRAPHS	L/R	COL
Ag_ppm	L	
Zn_ppm	R	

ROCK CODES DDH_LITH_UNIT	PAT	LABEL	DESCRIPTION
		2	Limestone
		2a	Limestone2a
		2b	Limestone2b
		2bf	Limstone2bf
		Lamp	Lamprophyre
		shl	Shale

SECTION SPECS:

REF. PT. E, N	543220 m	5668720 m
EXTENTS	81.45 m	129.7 m
SECTION TOP, BOT	2153 m	2023 m
TOLERANCE +/-	7.5 m	

SCALE 1 : 500

(m)

-4 0 4 8 12

NAD83 / UTM zone 11N

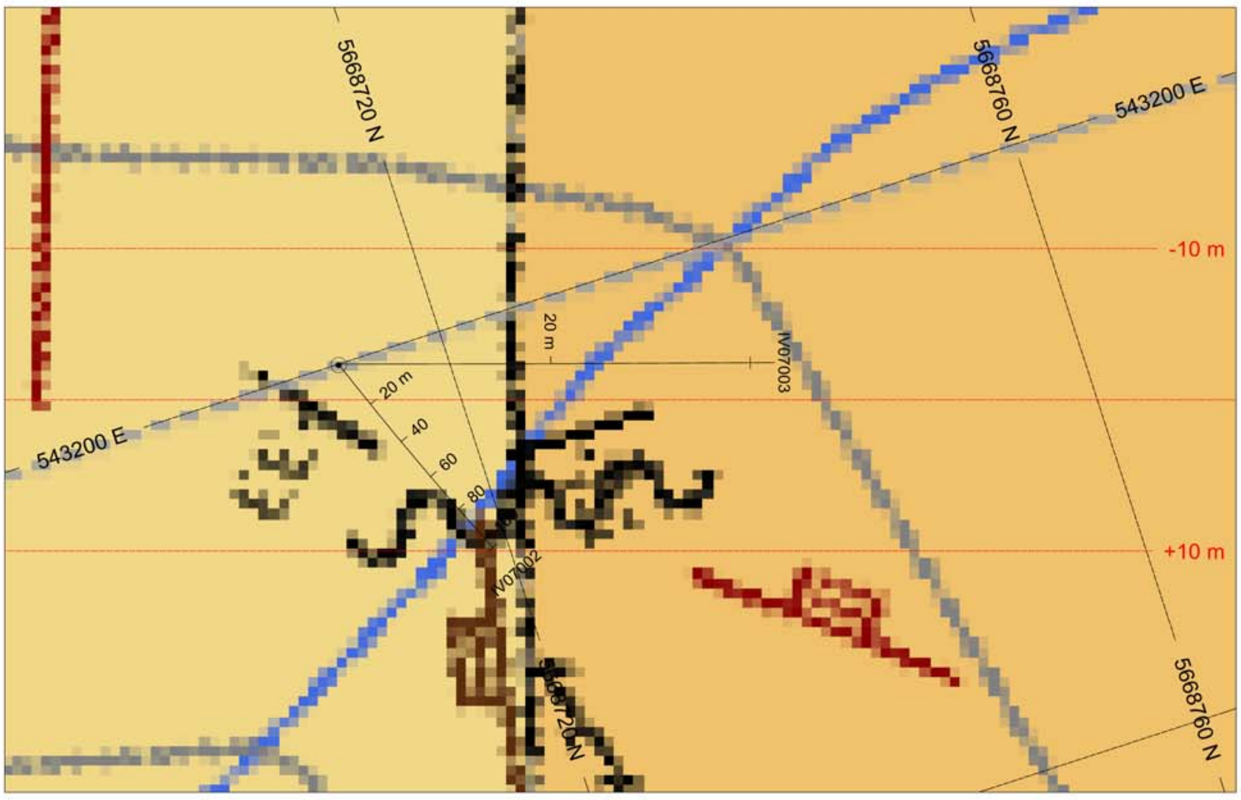
AZIMUTH = 70°

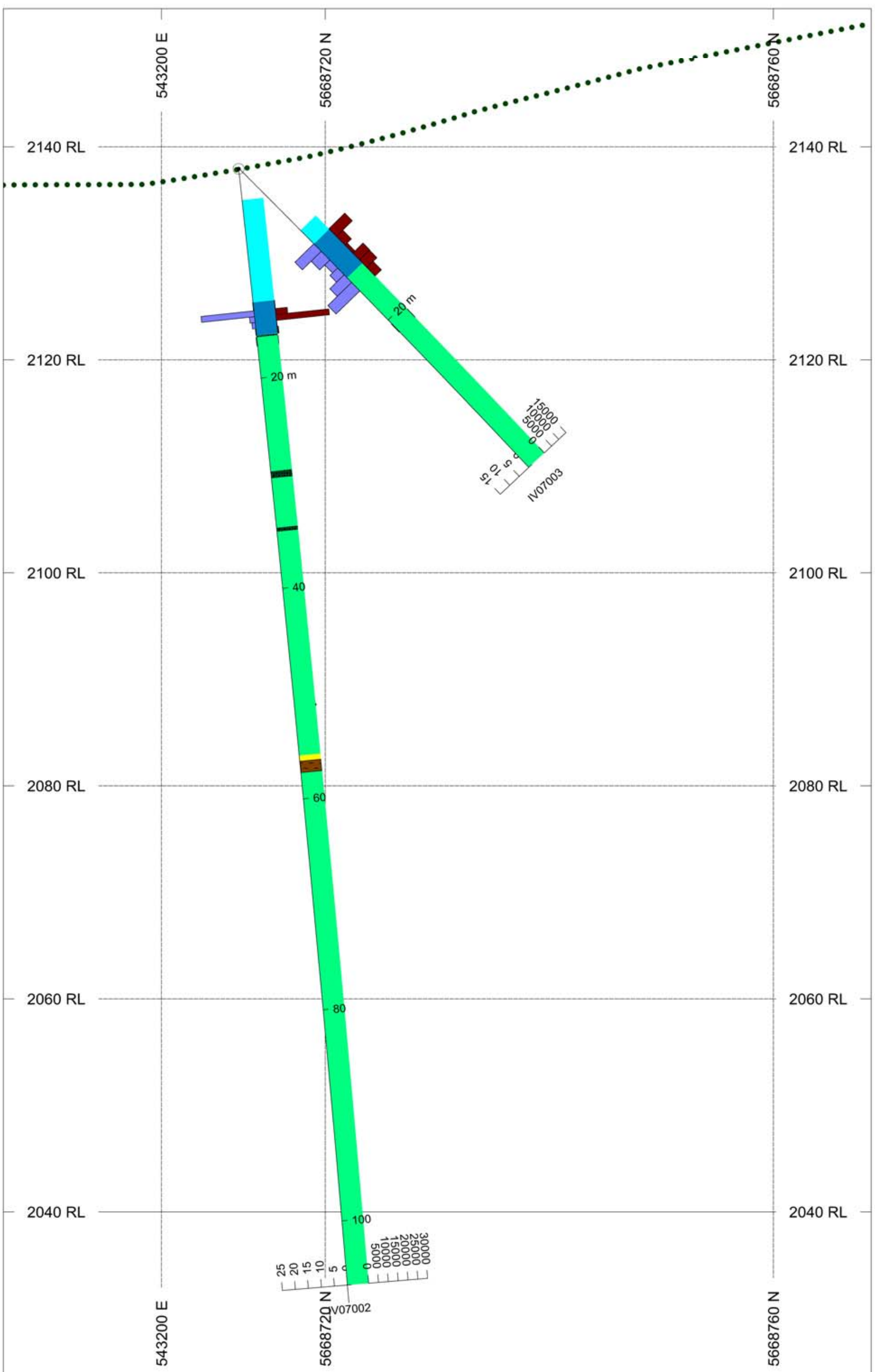
N W E S

Eagle Plains Resources

Ice River

Waterloo DDH 2007





HOLES PLOTTED

TOTAL 2

IV07002 IV07003

BAR GRAPHS	L/R	COL
Ag_ppm	L	
Zn_ppm	R	

ROCK CODES DDH_LITH_UNIT	PAT	LABEL	DESCRIPTION
		2	Limestone
		2a	Limestone2a
		2b	Limestone2b
		2bf	Limstone2bf
		Lamp	Lamprophyre
		shl	Shale

SECTION SPECS:

REF. PT. E, N	543208 m	5668730 m
EXTENTS	81.45 m	129.7 m
SECTION TOP, BOT	2153 m	2023 m
TOLERANCE +/-	10 m	

SCALE 1 : 500

(m)

-4 0 4 8 12

NAD83 / UTM zone 11N

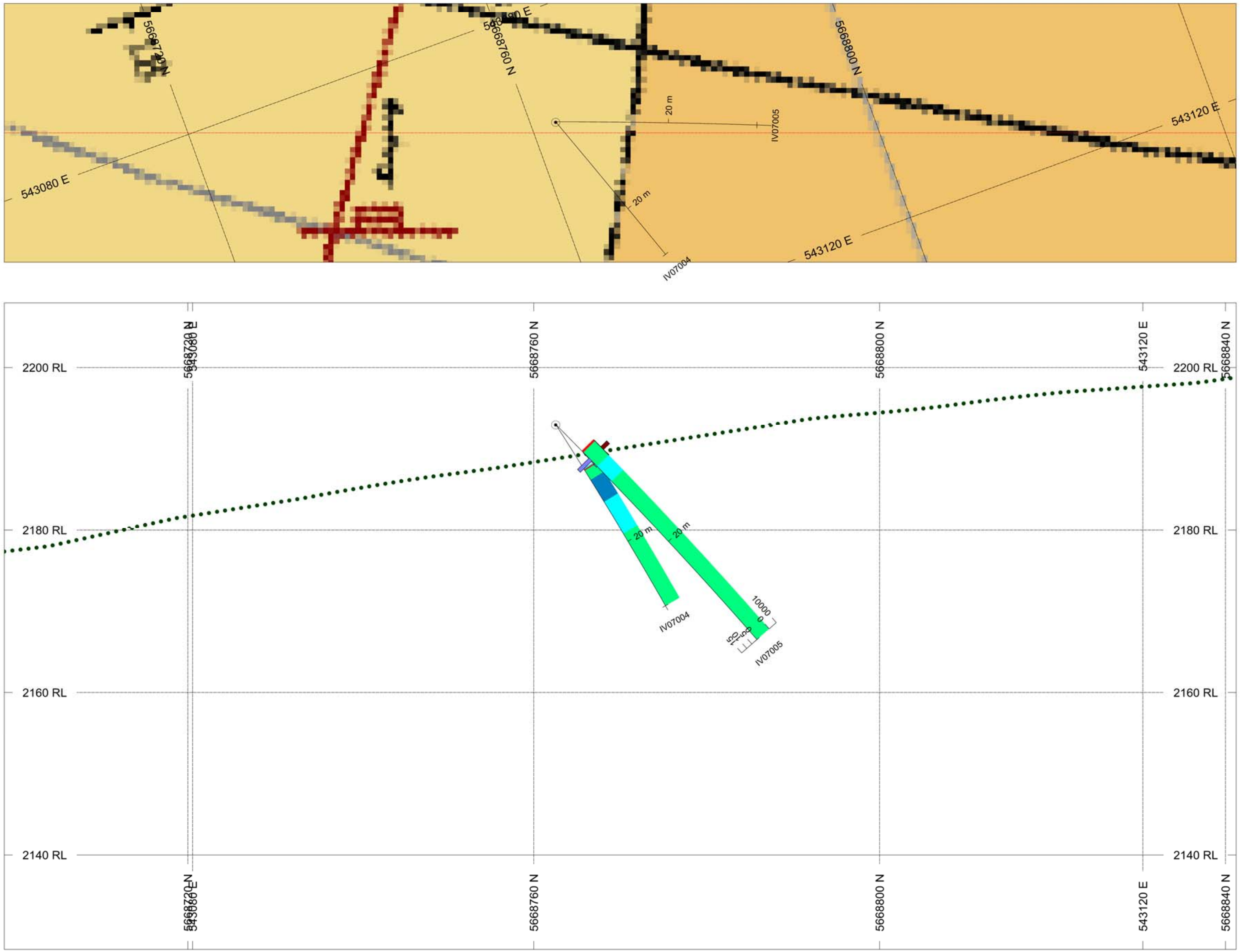
AZIMUTH = 18°

N W E S

Eagle Plains Resources

Ice River

Waterloo DDH 2007



HOLES PLOTTED

TOTAL 2

IV07004 IV07005

BAR GRAPHS	L/R	COL
Ag_ppm	L	
Zn_ppm	R	

ROCK CODES	PAT	LABEL	DESCRIPTION
DDH_LITH_UNIT		2	Limestone
		2a	Limestone2a
		2b	Limestone2b
		sy	Syenite

SECTION SPECS:

REF. PT. E, N	543098 m	5668770 m
EXTENTS	151.6 m	79.61 m
SECTION TOP, BOT	2208 m	2128 m
TOLERANCE +/-	20.85 m	

SCALE 1 : 500

(m)

-4 0 4 8 12

NAD83 / UTM zone 11N

AZIMUTH = 20°

N W E S

Eagle Plains Resources

Ice River

Waterloo DDH 2007