1999 GEOLOGICAL EVALUATION OF THE YAHK PROPERTY

LATITUDE 49° 06' 00''N LONGITUDE 116° 00' 00''W

NTS 082F/01

FORT STEELE MINING DIVISION, BRITISH COLUMBIA, CANADA

PREPARED BY

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DECEMBER , 1999

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1.0 Abstract

The Yahk property comprises 295 mineral claims with a total of 754 claim units. The property is the subject of an option agreement between Rio Algom Exploration Inc. (Rio Algom) and Abitibi Mining Corp. The claims are within the Fort Steele Mining Division, and located adjacent to and northeast of the village of Yahk. Road access to the property is via Provincial Highway 3, the Hawkins Creek Forest Service Road (FSR) and its many branch roads. Claims west of the Moyie River are partly accessible from the Grouse Mountain FSR. Elevations on the property range from 860 to 1900m above sea level.

The Yahk property lies within the Purcell Anticlinorium. The Proterozoic aged Purcell Supergroup is exposed in the core of the Anticlinorium with the lower Aldridge Formation forming the basal part of the Purcell Supergroup. The lower Aldridge stratigraphy is represented here by the Ramparts facies, a proximal, quartz wacke dominated equivalent of the distal, thin bedded, rusty quartzitic wacke–siltstone dominated lower Aldrige more common elsewhere in the Purcell Anticlinorium. However, some exposures on lower Hawkins Creek appear to be "regular" lower Aldridge, i.e. not Ramparts facies. The lower Aldridge is conformably overlain by the middle Aldridge, which dominates exposures on the property. Syn-depositional gabbro sills and dikes have intruded the lower and middle Aldridge Formation.

Although mineral exploration in the region dates back to the 1860's, the only significant base metal deposit located to date is Cominco's Sullivan deposit. The Sullivan deposit near Kimberley contained an estimated 170 MT grading 5.5% zinc, 5.8% lead and 59 gram per tonne silver. This sedimentary exhalative lead-zinc sulfide deposit is stratigraphically situated immediately below the Lower Aldridge-Middle Aldridge contact (LMC).

The focus of exploration for Rio Algom on the Yahk property was concentrated along the LMC. Fieldwork was carried out between July 3 and July 14, July 21 and July 27, and on August 1, 1999. Diamond drilling took place from October 12 to 27, 1999. Geological mapping and lithogeochemical sampling was geared towards confirming previous geological mapping and interpretations. The aim was to establish a clear distinction between middle Aldridge (A2) and lower Aldridge (regular Aldridge (A1) and Ramparts facies (A1R)) stratigraphy, and map out the LMC. Particular attention was paid to the areas down dip of the LMC to look for structures that might influence the position of the LMC at depth. The LMC was mapped on the southwestern flank of Mt. Mahon, with a very gentle dip. Several faults cut across the property, offsetting the LMC and resulting in several down dropped and uplifted blocks.

Upon compiling archival geological information at hand, from selected mapping traverses and the construction of cross sections, it was determined that the LMC might be tested at depth on the east flank of Mt. Mahon. Diamond drilling was to test the A2–A1R contact, as well as a proposed A1R-A1 contact. The thickness of the Ramparts facies was estimated to be approximately 400 metres thick in the Mt. Mahon area. Drill hole #YK99-1 was collared on the east flank of Mt. Mahon, at a site of previous drilling by Abitibi Mining Corp.. Due to an excessive thickness of gabbro and granophyres for which the protolith was uncertain, it was determined that the supposed base of the Ramparts could not be reached within the exploration parameters set by Rio Algom. The drill hole was ended at 883.2m. The A2-A1R contact was intercepted at 284.4m. Semi massive sulphide mineralization encountered at shallow depths by

previous holes nearby was not intersected, although weak lead and zinc anomalies occurred within some siltstone units in the upper parts of the hole. Within the gabbro, strongly anomalous copper and nickel values were associated with disseminated clots of pyrrhotite and chalcopyrite, and with sulphide bearing fractures. A high gold assay of 12.87g/t/0.80m Au was obtained from an interval of a quartz sulphide vein-shear, with a chlorite – fuchsite altered envelope.
No Sullivan-type horizon was present at the A2–A1R contact, and the base of the A1R could not be reached due to intervening thickness of gabbro. No further work is recommended on this property.

2.0 Introduction

2.1 Property Location, Access and Physiography

The Yahk property comprises 295 claims with a total of 754 claim units. The property is centred around Mt. Mahon with the village of Yahk situated in the southwestern corner of the property. The Yahk property is within the Fort Steele Mining Division, covered by NTS map sheet 82F/01, and is centred at 49° 06' 00'' north and longitude 116° 00' 00'' west (Figure 1, 2). The Moyie River runs along the western part of the property. Hawkins Creek is a tributary of the Moyie that traverses the southern third of the property.

Road access to the property is via Highway 3, the Hawkins Creek FSR and branch roads along Cold Creek, Canuck Creek as well as the east and west sides of Mt. Mahon. Road access is quite good, as active logging is taking place in the area.

The property is within the Moyie Ranges of the Purcell Mountains, at elevations ranging from 860 metres a.s.l. along the Moyie River at Yahk, to 1900 metres on the summit of Mt. Mahon in the central part of the property. Vegetation at lower elevations consists of mature timber. Outcrop exposure is generally poor, except on steeper slopes and ridge tops. Roadcuts afford the best exposures elsewhere. The climate is characterized by low to moderate precipitation with temperatures ranging from –30° Celsius in the winter to over 25° Celsius in the summer. The project area is accessible from mid-June to mid-October, depending on the preceding winter's snowfall.

2.2 Claim Status

The 295 claims of the Yahk property are owned by Abitibi Mining Corp. Rio Algom Exploration Inc. is the operator subject to an option agreement dated May 14, 1999. The claims cover an area of approximately 6638 hectares. A listing of claims and their status is attached in Appendix I.

2.3 Exploration History

Placer gold exploration and mining in the East Kootenay region began on the Wild Horse River near Ft. Steele in the mid-1860's. The discovery of the St. Eugene and Sullivan deposits switched the focus to lead and zinc.

Rio Algom Exploration Inc.

Yahk Property

Location Map

DATE	DRAWN BY	DWG
Dec 99	SW	Fig. 1

Current exploration activities in the East Kootenays are mostly focussed on lead-zinc mineralization within the Aldridge Group, particularly in the Findlay-Skookumchuck Creek area, the Sullivan – North-Star corridor, and the Moyie – Yahk area.

In the Yahk area, St. Eugene Mining Corporation Ltd. first mapped tourmalinite occurrences on Mt. Mahon. In 1980-81, a thirteen hole drill program was conducted. Drill hole YA-6 intersected a massive sulphide zone at a shallow depth. In 1984, Chevron Canada Resources Ltd. optioned the property and drilled two holes to test the LMC on Mt. Mahon. Minnova Inc. optioned the property in 1991. Six holes were drilled in search of extensions to the mineralization intersected in hole YA-6. Abitibi Mining Corp. carried out prospecting, geochemical sampling and mapping on the Yahk property in 1997 and 1998, and drilled three closely spaced holes in 1998 on the east flank of Mt. Mahon.

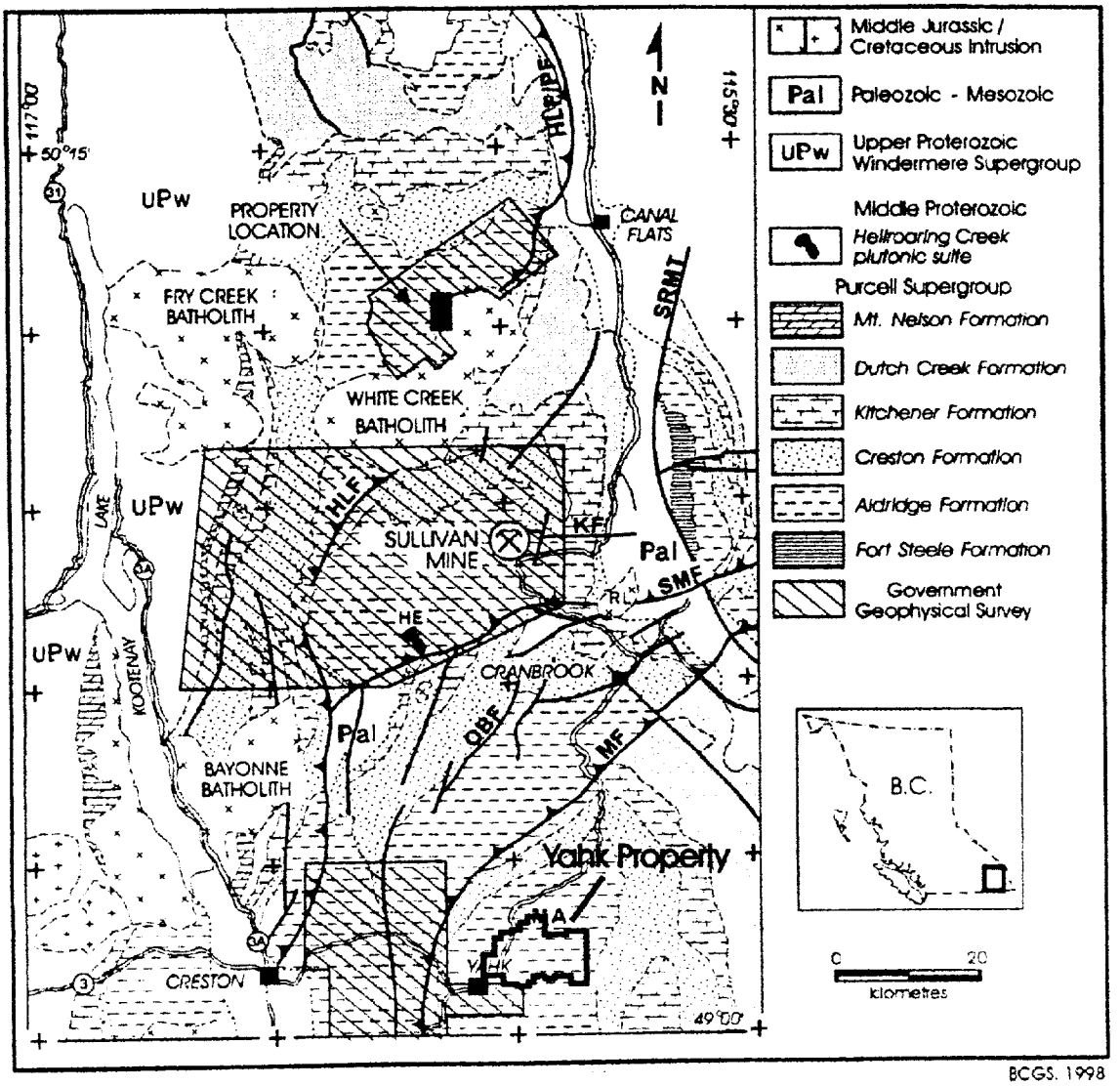
3.0 Regional Geology

The Yahk area has been mapped at a regional scale by Schofield (1915), Rice (1937), and Leech (1960). More recent mapping was done by Hoy (1993), Reesor (1996) and Brown and Woodfill (1998). The following geological description is summarised from the latter work and from Brown et. al (1995).

The Yahk property is located within the Purcell Anticlinorium, a broad, gently north plunging structure cored by the Proterozoic Purcell Supergroup (Figure 2). The Purcell Supergroup comprises a siliciclastic and lesser carbonate sequence at least 12 kilometres thick deposited in an intracratonic rift basin (the Belt-Purcell Basin). The strata are preserved in an area 750 kilometres long and 550 kilometres wide extending from southeastern British Columbia to eastern Washington, Idaho and western Montana.

The claim area is underlain by the Aldridge Formation, the lowermost Purcell Supergroup strata. The lower Aldridge Formation exposed on the Yahk Property is primarily of the Ramparts facies, named after the cliff–forming Ramparts east of Creston. The Ramparts facies is made up of generally thick bedded, grey weathering quartz and quartzitic wackes. The thickness is unknown, but estimated at about 400 metres in the Yahk area. At least 700 metres is exposed east of Creston. This unit is considered to be a proximal facies–equivalent to the thin bedded, laminated and rusty weathering silicic siltstones and argillites of the lower Aldridge exposed further east and north in the Belt–Purcell basin. It may be correlative with the Footwall Quartzite of the lower Aldridge in the Sullivan Mine area.

The lower Aldridge (Ramparts facies) sediments grade upward into medium to thick bedded grey weathering turbidites of the middle Aldridge Formation. As both lower and middle Aldridge strata in the area are dominated by quartzitic wacke and quartz wacke, differentiating the two units is often difficult. The middle Aldridge turbidite units are mostly couplets of quartz wacke/quartzitic wacke with thinner siltstone or fine grained wacke top beds. The sediments display normal grading, flame structures, load casts and rare ripples. The middle Aldridge Formation is rather monotonous in character, about 2,500 to 3,500 metres thick and underlies most regions. Within the middle Aldridge formation are distinctive laminated siltstone (marker laminite) horizons comprised of alternating thin light and dark laminae. The patterns of light and dark laminae are distinctive for each siltstone unit. These siltstone units are used as stratigraphic



Claim Boundary

Rio Algom Exploration Inc.

Yahk Property

Regional Geology

DATE	Dec 99	DRAWN BY	SW	DWG	Fig.2

indicators of the middle Aldridge and can be correlated over large distances. At the Sullivan Mine area in Kimberley, the various markers occur at known and measured distances above the LMC. The distances can be used throughout the basin to estimate stratigraphic distance above the LMC, once the marker has been identified and correlated. However, the thickness variations in the clastic pile result in expanded distances between marker laminites and to the LMC in many areas. The distance from a given marker to the LMC in the Yahk property may thus be two times the correlative distance at the Sullivan Mine.

Both the lower and middle Aldridge Formations are intruded by Middle Proterozoic dioritic to gabbroic sills (Moyie intrusions). These sills can vary from a few to several hundred metres thick. They are near to syn-depositional, and are inferred to have intruded wet, unlithified sediments. The sills expand the given stratigraphic section, without any loss of sedimentary units due to intrusion by expelling water from the wet sediment to make space for the intrusion.

The upper Aldridge Formation, although not exposed on the Yahk property, consists of rusty weathering, thin-bedded siltstone and argillite and is typically 250 to 500 metres thick.

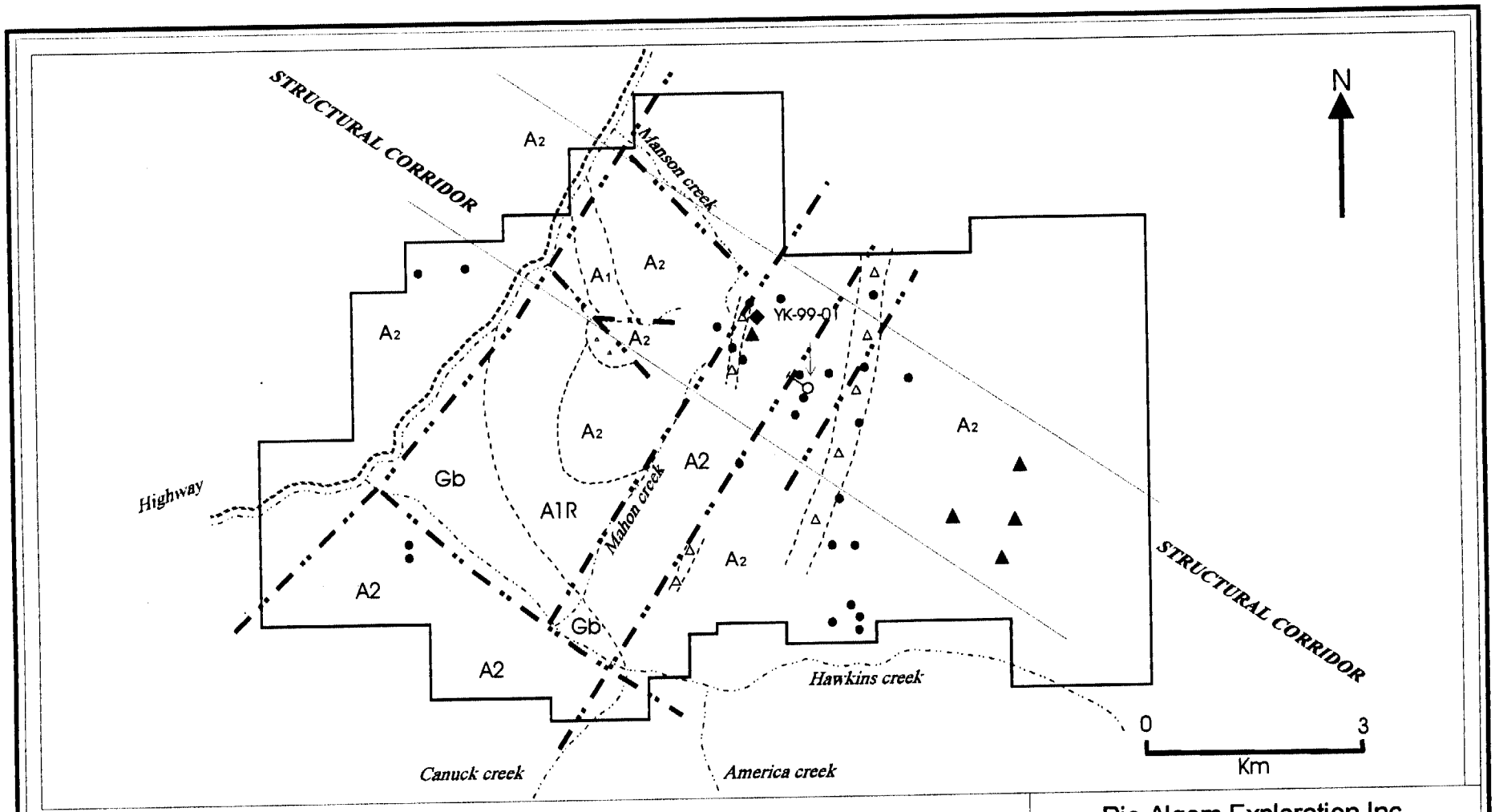
The most significant mineral deposit in the Belt–Purcell basin is Cominco's Sullivan deposit near Kimberley, BC. The deposit contained an estimated 170 million tonnes grading 5.5% zinc, 5.8% lead and 59 g/t silver. The deposit is hosted by siltstone and argillite of the lower Aldridge Formation, immediately below the contact with the middle Aldridge Formation. The Sullivan deposit is interpreted to be a sedimentary exhalative (Sedex) sulphide deposit formed in a fault controlled sub basin of the Belt-Purcell basin.

4.0 Property Geology

The Yahk property lies within the core of the Moyie anticline, in the western part of the Purcell Anticlinorium. The Moyie anticline trends north, plunges north and is bounded on the north and west by the Moyie Fault. The western limb of the Moyie anticline lies in the footwall of the Moyie Fault, a southeasterly directed thrust fault that may be related to cratonic basement structures. The limb of the Moyie anticline is disrupted by a number of north trending, vertical faults some with apparent sinistral offset. The core of the Moyie anticline is exposed on the Yahk property, east of the northeast trending, northwest side down Yahk Fault in the Moyie River valley.

The Yahk property is underlain by Purcell Supergroup sediments of the lower and middle Aldridge Formations (Fig.3). Gabbro sills intrude the sediments. The Aldridge Formation sediments dip gently to moderately, within a series of fault bounded blocks in the core of the Moyie Anticline.

The lower Aldridge Formation (Ramparts facies) is exposed on the southwest slopes of Mt. Mahon. Enigmatic exposures south in Hawkins Creek below Canuck Creek appear to be regular lower Aldridge. These outcrops resemble typical lower Aldridge, such as exposed at Mark Creek south of Kimberley. However, only about 50 metres of this stratigrpahy is exposed and the units may repesent a silty unit within the middle Aldrgide. The sericite subschists, wackes and siltstones here make correlation difficult. The highly micaceous nature may in fact be due to alteration associated with the Hawkins Creek Fault.



Claim Boundary
Road
Creek
Geologic Contact
Fault

Drill hole
Previous Drill Hole
Tourmaline
Fragmental
Vent

A2 Middle Aldridge
A1 Lower Aldridge
A1R Ramparts Facies
Gb Gabbro

Rio Algom Exploration Inc.

Yahk Property

Property Geology

DATE Dec, 99 | DRAWN BY SW | DWG Fig.3

The vast bulk of the property is underlain by middle Aldridge strata. The LMC southwest of Mt. Mahon is relatively flat lying. The contact is cut off by the Charlie Creek fault on the northwest, and the Mahon Fault on the east. Elsewhere the LMC is assumed to occur in the subsurface, its position inferred largely from marker units within the middle Aldridge.

Gabbroic sills and dykes occur within the middle and lower Aldridge, and some have been traced for large distances. A thick sill crops out on the north side of Hawkins Creek, and a series of thinner sills have been traced along the east side of Cold Creek. These are for the most part, regular non-magnetic Moyie sills. One thin gabbro dyke was mapped at the north end of the property, intruding middle Aldridge. This gabbro dyke was magnetic, and corresponds to a linear magnetic high feature seen on regional Abitibi Mining Corp. magnetic maps and compilations. This feature is assumed to be younger than the Moyie sills, and it has been sampled for geochronological studies.

1999 Exploration Results

5.1 Objective and Exploration Target

The exploration target for Rio Algom Exploration Inc. on the Yahk property is a Sullivan-type sedimentary exhalative (Sedex) lead-zinc sulphide deposit stratigraphically situated at the lower Aldridge-middle Aldridge contact (LMC). Geological information as mapped by previous workers, including recent work by Brown et al. (1995) and Abitibi Mining Corp.(1998), was utilised as a base from which follow up could be done.

The objective for the 1999 program was to confirm geology from previous workers to ascertain, if the LMC does underlie the property and could be drill tested at a reasonable depth. Because the LMC was the prime area of interest only the area west of Cold Creek was examined. No work was done east of Cold Creek, where outcrops of middle Aldridge are at a higher stratigraphy.

5.2 Procedure

A geological mapping program was conducted between July 3 and July 14, July 21 and July 27, and on August 1, 1999, based out of Yahk. Mapping was done at a 1:10,000 scale utilizing TRIM base maps, air photos and previous geological data as compiled from assessment reports, unpublished data and published government files.

One diamond drill hole (permit number MX-5-458) of 883.2m was completed between October 9, 1999 and October 30, 1999.

The exploration program was supervised by Siegfried O. Weidner, senior geologist for Rio Algom Exploration Inc. Field supervision, mapping and core logging was completed by Leonard Gal, P.Geo. of Cardinal Exploration Ltd. and assisted Patrick Donnelly. Field mapping was concentrated along and across the interpreted and previously identified position of the LMC. Road and trail traverses provided the best outcrop exposure, along with some ridges. For

stratigraphic control purposes, "marker laminites" were sampled from the middle Aldridge formation for identification and verification of overall stratigraphy.

Marker samples were forwarded to Dave Pighin of Supergroup Holdings Ltd. of Cranbrook, BC for cutting and identification. Analytical samples collected were forwarded to Eco-Tech Laboratories of Kamloops, BC for ICP-28 and gold (Au) fire assay analysis (FA).

6.0 1999 Exploration Results

6.1 Geological Mapping

Results of the mapping are depicted in Appendix II as a set of two geology maps (Map 1a, 1b) at a scale of 1:10,000 and a set of three cross sections (Map 2). A drill hole section is provided in Map 3.

The following descriptions are derived from field notes and the drill log describing outcrop exposures, hand samples and core. The geological units are listed from oldest to youngest.

Lower Aldridge (A1)

A few small outcrops along Hawkins Creek, west of Canuck Creek, comprise thin bedded, micaceous quartzitic wackes, wackes and siltstones. The outcrops weather yellow to rusty due to oxidation of disseminated Fe sulphides and biotite. The sericite and biotite component of these sediments is high, and finer grained lithologies appear schistose. The lithology, textures and weathering features of these outcrops are dissimilar from typical middle Aldrigde exposed to the south, as well as outcrops north of Hawkins Creek. As well, the dominantly silty component of the rocks does not correlate with the Ramparts facies of the lower Aldridge, which is dominantly quartz wacke. Current interpretations of the stratigraphy consider the Ramparts facies to be lower Aldridge, of a more proximal, current influenced quartz rich facies. Using this interpretation, one would expect a facies change, with gradational changes in lithologies, or an interfingering between quartz wacke, medium to thick bedded Ramparts facies with little siltstone, and thin bedded, micaceous, rusty weathering lower Aldridge. This gradation was not observed at this particular location. Exposure in the area is very poor and no determination of strata above the lower Aldridge could be made. It is felt that the exposures, although they resemble lower Aldridge, are a silty component of overall middle Aldridge stratigraphy.

Lower Aldridge (Ramparts facies) (A1R)

Ramparts facies stratigraphy was seen as thick to medium bedded, fine to locally coarse-grained quartzitic wacke and quartz wacke. Fine-grained biotite is common in many beds. In some exposures the relatively thick quartz wacke beds were separated by thin greenish or grey siltstone or fine-grained wacke. Within the quartz wacke beds are locally black, very fine wispy laminations. Cross beds and ripple laminations were seen in some outcrops. Generally, quartz wacke beds are stacked one upon another, forming

characteristic bluffs and resistant cliffs in outcrop. Fresh surfaces are light to medium grey, and weather white to light grey, buff, or locally rusty. This lithology was seen on the southwest flank of Mt. Mahon. The ridge southwest of Mt. Mahon afforded good exposures of the transitional nature of the A1R – middle Aldridge contact.

Middle Aldridge (A2)

The stratigraphy is typically thin to thick bedded with a light to medium grey, to rusty orange-brown weathered surface and a light grey to dark grey fresh surface. Often the middle Aldridge sediments appear to be turbiditic, with thin to medium beds of quartz wacke coupled with an overlying, thin bed of occasionally laminated siltstone. The lithologies include quartz wackes, quartzitic wackes, subwackes, siltstones and minor argillites. Overall, there are few siltstone and argillite beds, particularly those thicker than approximately 20 centimetres. The middle Aldridge lithologies are generally lacking in a mud component, represented by micas (biotite+muscovite/sericite) in these metamorphosed sediments. There are exceptions to the above, such as near the peak of Mt. Mahon, where considerable siltstone and argillite beds are present. Disseminated iron sulphides in the form of pyrite or pyrrhotite generally make up less than 1.0% by volume. Sedimentary features such as load structures, cross-bedding, rip-up clasts and slumped bedding were also observed.

Within A2, time-stratigraphic laminite markers are present. A total of four laminite samples were identified from the Yahk property. Appendix III contains a list of laminate locations. Markers previously identified by Abitibi Mining Corp. consultants were incorporated into the geological mapping and database.

Fragmentals (Frag)

The "Cookie" fragmental occurs on the west side of Mt. Mahon, near Charlie Creek. The fragmental unit occurs as massive rounded outcrops and float boulders of light grey to rusty weathering, fine to medium grained biotitic wacke. Fragments are prominently displayed with large, up to 30cm, ovoid shaped fragments of gabbroic composition surrounded by a silty to biotitic wacke matrix. The gabbroic fragments are typically rusty weathering. The matrix to the larger gabbroic fragments contains small sub-rounded to angular fragments of siltstone and wacke. The fragmental body appears to be concordant within the A1R and is interpreted here as a peperite suggesting fragmentation and brecciation of a gabbro intrusive within quartz wacke and wacke, resulting in a granophyric texture of the matrix component.

The "Mt. Mahon" fragmental has been mapped on the peak of Mt. Mahon, extending along the west side of the south ridge of Mt. Mahon. The fragmental also extends to the north, and is probably the same unit as mapped on Mt. Manson, two kilometres north of Mt. Mahon. The best exposures are north of the radio repeater station on Mt. Mahon. The fragmental is concordant to bedding, gently east dipping, and approximately 5-20m thick.

The fragmental occurs as massive, rounded outcrops and float boulders on the peak and south flank of Mt. Manson.

Other fragmentals occur on the Yahk Property, notably the "Cold Creek" fragmental east of Cold Creek. This unit is a 250 metre thick conformable sheet that extends for two kilometres. Several tourmalinite vents are associated with this unit. This fragmental was not studied as it is outside the area of interest.

Gabbro (gb)

The Moyie intrusives, as in other parts of the Aldridge Formation, are seen to intrude the lower and middle Aldridge Formation as sills and more rarely, dikes. Compositionally, these rocks have been defined as gabbro to diorite, although the field term gabbro is here used to indicate all Moyie intrusives. They are dark grey to dark greenish brown on fresh surfaces and weather brown, dark grey or rusty. The intrusives are medium to coarse grained, although thin sills (and locally developed chill margins) are fine grained. Textures are equigranular to hornblende (and more rarely plagioclase) porphyritic. Locally coarse sprays of hornblende crystals up to 3cm long occur. Biotite chlorite and quartz occur as alteration and/or metamorphic phases. Disseminated pyrrhotite and traces of chalcopyrite have been observed. The Moyie intrusives are non-magnetic except where disseminated pyrrhotite is present.

A thick gabbro sill intrudes the A1R north of Hawkins Creek. Further exposures of this sill occur along the east side of Highway 3 north of Yahk, and on the north side of the Charlie Creek Valley. Further exposures of a thick sill occur on the west side of Cold Creek. On the east side of Cold Creek, Abitibi Mining Corp. geologists and government workers have traced out a series of thin sills. A possible gabbro arch, or sill–dyke complex, is indicated by a northwest trending gabbro, at angles to the general stratigraphy, from Cold Creek to Manson Creek. Cross cutting contacts were not observed in any of the gabbros, except for a thin dyke (5 metres wide) at the north end of the property. This dyke was magnetic, and corresponds to a linear aeromagnetic feature. The dike is likely not from the Moyie series. Contacts with the Aldridge Formation are often sharp and parallel to bedding, but commonly bedding is sheared or disrupted in adjacent sediments. Contact zones are often altered by albite and/or sericite.

Granophyre

Workers at the Sullivan mine used the term granophyre to describe the granoblastic, salt and pepper textured, altered sediments composed of (microscopically granophyric) quartz and feldspar with biotite. These granophyres are considered to have formed through alteration similar to contact metamorphism, due to intrusion of adjacent sills into wet sediments. While these granophyres are situated adjacent to sills, they do not occur universally, and are in fact rather uncommon. Interest in them stems from the fact that they occur at the Sullivan deposit, in close proximity to the footwall of the deposit and associated with the gabbro "arch". Whether these granophyres are an exploration tool to focus on is questionable.

Texturally, these granophyres can resemble biotitic wackes, altered gabbros or even fine grained granitic intrusions, making field identification difficult.

6.2 Structure

The core of the Moyie Anticline is exposed in the (Brown and Woodfill, 1998) the property area and is cut by a number of north-northeast and northwest trending faults. Few of these faults could be accurately mapped at surface, and their presence must be inferred. The Yahk Fault trends northeast in the Moyie River valley, near the western edge of the property, with indicated northwest side down displacement. Exposures of middle Aldridge strata west of the fault strike northeast and have moderate northwest dips. At the extreme western edge of the property, middle Aldridge strata has a north to northeast dip. The differing dips may indicate a small fold or fault separation.

East of the Yahk Fault and west of the Mahon Creek fault dips are generally to the northeast, although local dip reversals indicate some open folding. From the southwest ridge of Mt. Mahon, the LMC can be traced northward toward the Cookie fragmental (which occurs within the A1R). Scattered exposures along the Mahon FSR suggest that the LMC continues across Charlie Creek, with some fault offset. Exposures of A1R are then lost just south of a small creek between Manson and Charlie Creeks, suggesting the presence of a fault. The LMC was traced around the southwest ridge of Mt. Mahon, with some fault disruptions. It could not be traced further, due to very poor exposure, and perhaps fault offset on the Mahon Creek fault, which occupies the valley between the southwest and south ridges of Mt. Mahon.

Between Mahon Creek and Cold Creek, the south ridge of Mt. Mahon exposes some outcrops of middle Aldridge strata at the crest and as dip slopes on the east side of the ridge. The strata strike north and dip shallowly to moderately east. Information from previous mapping and drill core logs suggest that the Canuck Creek and/or America Creek faults may cut north-northeast through this area, further displacing the strata into fault bounded blocks. At lower elevations, on the west side of Cold Creek, several gabbro outcrops suggest a thick sill. This thick sill appears to be the same sill as the one on the north side of lower Hawkins Creek. In fact, a thick gabbro sill complex may essentially encircle the base of Mt. Mahon. This would require a ramping up through the stratigraphy (a "gabbro arch"), as the sills on lower Hawkins and the west side of Cold Creek are at different stratigraphic levels. Previous workers have suggested a scenario such as this.

On the southwest ridge of Mt. Mahon, several north-northeast trending faults occur. These are roughly parallel to the Manson and Charlie Creek faults. The Charlie Creek fault juxtaposes gabbro on the north side against A1R on the south side. Again this gabbro is likely the same as exposed on the north side of lower Hawkins Creek

A gabbro also occurs on the north side of the Manson Creek Fault. Mapping by Abitibi Mining Corp. suggests a gabbro dyke, or dyke–sill complex from the map pattern. Poor exposure prevented us from tracing out a dyke. A gabbro–A2 contact exposed north of Manson Creek appears conformable. North of the Manson Creek Fault, A2 strata dip gently east and northeast, with minor reversals. Between Manson and Charlie Creeks, the dips are gently to moderately northeast. South of Charlie Creek to Hawkins Creek, the dips are almost flat, with broad warps.

At the peak of Mt. Mahon, A2 strata dip east on the west side of the mountain, and north on the east side, suggesting some fault complications. An inferred fault may also be related to the tourmalinite and fragmental exposed on the summit. Westward from the summit, exposures are poor, but mapped A2 outcrops dip gently east.

On the south side of Hawkins Creek, a LMC is inferred to occur at the top of a wedge shaped area of lower Aldridge Formation. South of the property, mapping has indicated lower Aldridge strata in the valleys of Caunuck and America Creeks, outlining the core of the Moyie anticline as it continues south into the United States.

In the extreme southwest corner of the property, A2 outcrops dip moderately west.

6.3 Alteration

A regional greenschist facies alteration is overprinted on all rocks on the property. Biotite and sericite (muscovite) are commonly observed in quartzitic wackes, subwackes and siltstones. Albite was not positively identified in sediments but is likely present. Biotite, muscovite and possible chloritoid locally occur as porphyroblast phases in some finer grained sediments. These are generally randomly oriented. Albite, chlorite, biotite and possibly tremolite occur in gabbros. The strongest alteration occurs in fault, fracture and shear zones. Albite, chlorite, pyrite, quartz (as stringers), and sericite are common in the disrupted zones. Fractures filled with quartz, calcite, chlorite, sericite or iron sulphides are locally present. Albite, chlorite and/or biotite and sericite alteration is locally found adjacent to gabbro sills.

A feature of the quartz wackes and coarser quartz rich sediments of the Aldridge Formation are the presence of spherical to flattened ellipsoidal concretions. These are often located within particular beds, and are composed of quartz, feldspar (?), calcite, coarse biotite, and often garnet, chlorite, sericite, tremolite and locally sulphides. In many cases these light coloured concretions have dark, biotite rich, or white, albitized "reaction rims". The mineral assemblage and texture of these bodies suggest metamorphism of a bulk composition differing from the host quartz rich sediments.

Thin garnet rich beds were mapped out on the south side of Mt. Mahon and south of Hawkins Creek. These thin beds were interpreted to be metamorphosed Mn-rich exhalative horizons (Brown and Woodfill, 1998).

Black massive tourmalinite and selectively tourmalinized siltstone laminae (and tourmalinized mudchips) were observed on Mt. Mahon. The amount of tourmaline would suggest that the Mt. Mahon area may host a vent with which the fragmental sheet outcropping between Mt. Mahon and Mt. Manson may be associated. This fragmental unit does not seem to be strongly altered.

Several vents east of Cold Creek contain brown and black tourmalinite, tourmalinized wackes, and albitized sediments.

6.4 Mineralization and Analytical Results

No known mineral occurrences are listed in the BC MINFILE, although massive and semi massive pyrite was intersected in drill hole YA-6.

During the 1999 exploration program a total of thirty-nine (39) rock samples were collected for ICP-28 analysis as well as gold by fire assay analysis. Sample descriptions are included in Appendix IV and results are tabled in Appendix V.

Sampling was directed toward fragmental units, siltstone or argillite with appreciable disseminated pyrrhotite (or pyrite) to check for trace amounts (>100 ppm) of base metal content. Altered and/or mineralized shear or fault zones were also sampled.

At Mt. Mahon, A2 sediments are locally tourmalinized, and may contain appreciable pyrrhotite and arsenopyrite. One such sample (YLG12) assayed 1.08% As, 115 ppb Au, 135 ppm Cu with only low lead and zinc values. A sample of tourmalinite float from the south ridge of Mt. Mahon (YLG10) yielded 12 ppm Pb and 28 ppm Zn. An adjacent float sample of fragmental returned similarly low values. The outcropping fragmental unit on Mt. Mahon yielded up to 63 ppm Zn. The Cookie Fragmental hosts some disseminated pyrrhotite, but low base metal values. Sample YLG04 assayed only 60 ppm Zn.

A few samples were taken from A1R and A2 units near the LMC exposed on the west side of Mt. Mahon. Samples YLG06-07 were taken from rusty A1R with some pyritic laminations. Assays reached up to 48 ppm Cu and 96 ppm Zn in YLG07. Sample YLG23 from A2 siltstone above the LMC yielded 71 ppm Cu, 26 ppm Pb and 48 ppm Zn. The values indicate the LMC on the west side of Mt. Mahon was not associated with anomalous geochemistry. Several samples were collected from rusty weathering mica schists of the lower Aldridge on Hawkins Creek. Grab samples from a rusty fracture zone yielded up to 60 ppm Zn.

While the LMC itself was not associated with anomalous base metals where sampled, several siltstone-argillite dominated sequences, that included marker laminites, were slightly to strongly anomalous. At station 017 an unidentified marker laminite (probably Hiawatha) assayed 506 ppm Pb, 594 ppm Zn, 0.6 ppm Ag and 25 ppm Cu from a selected sample with fine grained disseminated galena and sphalerite. To the north, laminated siltstones just below the Lamb marker (YLG03, 21, 22) yielded up to 249 ppm Zn, 24 ppm Pb and 63 ppm Cu. Just north of the property, up the Cold Creek FSR, the "R" marker is exposed in a roadcut. Samples here YSW14-17 assayed up to 139 ppm Zn and 14 ppm Pb. Anomalous base metal values were also obtained from drill hole (#YK-99-01) intersections at or near the Fringe marker. Soil geochemistry from previous workers from the vent complexes east of Cold Creek, situated at the Ginty stratigraphic level, show that this horizon is also geochemically anomalous.

7.0 Diamond Drilling

7.1 Introduction

A drill hole was completed on the east slope of Mt. Mahon, at an elevation of 1530m. The location was at the same site as previous holes YK98-1, YK98-3 (Abitibi Mining Corp.) and YA-6 (Chevron). The same drill pad and access roads were utilized. The site was chosen as previous drilling indicated that the holes were collared near Fringe marker time in A2. It was felt that the A2-A1R contact could be tested to evaluate if any mud-rich units similar to a Sullivan horizon are located at this high energy environment. In addition, the thickness of A1R was estimated at 400m in the Yahk area and a confirmation of this thickness to evaluate stratigraphy below the A1R was sought. In addition, anomalous geochemistry was known to occur at Fringe time, evidenced by semi-massive sulphides encountered in the upper parts of YA-6 and YK98-1.

Beaupre Diamond Drilling Ltd., of Princeton, B.C. mobbed a skid mounted Longyear Super 38 drill rig into the Yahk Property on October 9-10, 1999. Drilling of hole YK99-1 commenced on October 12, 1999. The hole was drilled at an inclination of –78°, on a bearing of 270°. NQ sized core was drilled to a depth of 883.2m, with 7.62m of casing. Several Pajari instrument and acid tests were performed to monitor the inclination and azimuth of the drill hole. The casing was left intact and a cap placed on the casing. The pad area was re-contoured and seeded in accordance with the government permits. Core is currently stored at the residence of Mr. Glen Rodgers of Abitibi Mining Corp.in Cranbrook, BC.

7.2 Drilling Results

A summary log of drill hole YK99-1 is presented below.

The drill log is presented in Appendix VI. Drill core sample assays are listed in Appendix VII. A graphic drill hole section is located in Appendix II.

Summary of #YK-99-01:

Interval (m)			Geology
0	-	7.62	Casing
7.62	-	284.4	Middle Aldridge (A2)
284.4	-	297.75	Ramparts Facies (A1R)
			⇨ possible fragmental unit
			⇨ massive to thick bedded quartz wacke
			⇨ includes some mudchip fragments
297.75	-	333.37	Gabbro (gb)
			⇨ lower contact is fault contact
333.37	-	369.0	Ramparts Facies (A1R)
			⇨ light grey to tan, fgr, quartzitic wacke, massive
			⇨ albite-sericite-chl alteration

369.0	-	384.8	Ramparts Facies (A1R)
			⇨ as above, but with chl and biotite, massive
384.8	-	414.6	Ramparts Facies (A1R)
			⇨ similiar to 333.37-369
			⇨ massive with albite & sericite alteration
414.6	-	792.7	Gabbro(gb)
			⇨ includes granophyre (massive and thick bedded) altered sediments at 414.6-420.5, 507-557, 610-637, 614-678
			⇨ fine grained contact area, but with gabbroic texture starting at 422m
			⇨ biotite, chlorite alteration throughout with po mineralization
792.7	-	806.8	Granophyre(gph)
			⇨ massive, thick bedded quartz wacke with altered mud chip fragments
806.8	-	808.2	Diatreme dike or sill
808.2	-	826.7	Granophyre(gph)
			⇨ as above
826.7	-	883.2	Gabbro(gph)
883.2			EOH

7.2 Drill Core Lithologies

Middle Aldridge A2

The drill hole cored A2 for the first 284.4m. From adjacent drill hole data, the Fringe Marker should have been intersected at about 40 metres from the collar. However, no definite marker samples could be identified within the core. Several laminated siltstone horizons, and limited material that appeared to be similar to marker laminites were identified, but the quality and amount was insufficient to obtain a match to known standards. Overall, the A2 strata had a higher silt component than expected, particularly in the upper part of the hole. There were several units of laminated siltstone, mudstone and fine-grained biotitic wacke, up to 12.7 metres thick (although most are 1-3 metres thick). This interval is interpreted to be similar to the outcrops of thinner bedded and siltier A2 to the south in Hawkins Creek, rather than A1 stratigraphy.

Within quartz wacke and quartzitic wacke many hard, dark grey concretions containing coarse biotite and garnet and possible tourmaline are present in the drill hole. Garnet was also disseminated within siltstone beds, and more rarely within wackes. Mudchips, fragments and disturbed bedding intervals occurred sporadically. Tourmalinized mudchips were only rarely noted. Pyrite occurred as disseminations and on fractures. Eight thin gabbro sills, from 30 cm to 5.3 m thick, occurred in two groups within the A2 interval.

Bedding throughout the A2 interval was generally thin. Core axis bedding angles of 70°-85° degrees indicated that the drill was coring at high angles to stratigraphy.

Massive Wacke (A1R)

At 284.4 metres, a 13.35 metre interval of massive biotitic quartz wacke was intersected. No bedding features could be recognised, and the unit hosted rare biotite rich flattened fragments (mudchips), and smaller ovoid fragments, including pyrite fragments. The unit was interpreted as a thick-bedded A1R quartzitic wacke, with ill-defined bedding, although the unit may represent a fragmental interval.

Below this unit was a gabbro sill almost 40 metres thick, and marked by fracturing and a fault gouge zone on its footwall.

The footwall to this fault zone, at 333.37 metres, comprised a light grey to buff coloured, fine-grained quartz wacke. The rock was strongly albite altered, and no sedimentary structures remained. This unit continued to 369 metres, where there was a gradational change to biotite and chlorite altered wacke. This unit is massive, with no discernible bedding features, and is 15.8 m thick. It changes gradationally to a second, 29.8 metre thick fine-grained albitized quartz wacke, similar to the upper albitized unit. Again it is massive, hard and strongly albitized, with local chlorite and epidote alteration. There are sparsely distributed small fragments within this unit. All of these massive and altered units have been interpreted as altered A1R

The bottom of the lowest albitized wacke unit is at 414.6 metres, sitting above a thick gabbro sill. The fact that the two similar albitized quartz wacke units sit below and above gabbro, suggests that the albitization is due to proximity to the gabbros. The rather gradational contacts with the intervening biotite–chlorite wacke suggests that all three units divisions are part of the same massive unit, differentially altered according to their proximity to the gabbros.

Gabbro, granophyre

The gabbro sill that starts at 414.6 metre continues to 792.75 metres. This gabbro is generally fine to medium grained, and shows ubiquitous, though variable alteration to chlorite and biotite (+ quartz). Poorly defined intervals within this gabbro unit are here interpreted as granophyres. The major basis for distinction between these lithologies is the presence of hornblende, or chlorite pseudomorphs after hornblende, in the gabbros. Alteration makes clear distinctions difficult, but probable granophyre intervals within this gabbro sequence occur at 414.6-420.5 m, 507-557 m, 610-637 m, and 651-678 m. From 792.75–826.75 m, texture and mineralogy are more clearly granophyric.

Within the granophyre at 806.8 metres, is a 1.4 metre ultrabasic diatreme dyke. This fine-grained dark grey rock has a number of rounded, altered xenoliths, possible altered olivine xenocrysts or altered ultramafic xenoliths, rare remnant phlogopite xenocrysts as well as volcanic fragments. Contacts with the granophyre are sharp. At 826.75 metres, the granophyre gradationally gives way to medium grained gabbro, which continues to the end of hole at 883.2 meters.

7.4 Drill Core Geochemistry Results

A total of 103 core samples were split with a diamond saw and sent to Eco-Tech Labs for ICP-28 and gold by fire assay analysis. Sampling was geared mainly to the silty, laminated horizons which were thought to be more prospective for anomalous base metals. Occassional veins, and other mineralized structures were also samples, as well as more unaltered rocks to serve as a baseline for geochemical values.

Lead values ranged up to 116 ppm over 2m. The sample (7627) was part one of three continuous samples that yielded 105 ppm Pb over 5.8m. The interval was a thin bedded, biotite wacke and siltstone package with some disturbed bedding and several dark grey concretions with coarse biotite and garnet. This same interval was weakly anomalous in zinc. A second sample interval (7602) assayed 106 ppm Pb within A2 hosted concretions as well as several shears and fractures, some hosting pyrite and minor arsenopyrite.

Zinc values ranged as high as 464 ppm, from a 1m interval (7608) within A2 with pyrite fractures. Sample 7704 from a laminated siltstone unit with disseminated garnet, yielded 127 ppm Zn. Sample 7604 returned values of 258 ppm Zn and 550 ppm As. A thin pyrite lens adjacent to a shear was included in this interval. From 71.6m to 74.6m, two samples (7614, 7615) yielded a weighted average of 268 ppm Zn. This sample interval consists of zones of strong biotite alteration adjacent to a shear of fracture zone. Pyrite and galena were present in associated quartz fractures, although Pb values were only 43 ppm (weighted average). Generally, muddy or silty packages within the A2 were only weakly anomalous and most base metal anomalies could be associated with sulphide bearing fractures or shears.

Within the gabbro sills several copper and nickel anomalies associated with disseminated patches of pyrrhotite and lesser chalcopyrite, and fracture filling sulphides were located. The nickel values indicate that some of the "pyrrhotite" may in fact be pentlandite. One anomalous zinc value of 336 ppm was obtained (7669) from gabbro cut by a quartz-sericite-chlorite-epidote fracture-shear with a chlorite-fuchsite(?) envelope. A nearby sample (7707) yielded 136 ppm Zn, 353 ppm Cu and 410ppb Au. This sample also included chlorite-sericite-biotite-quartz calcite-clay shear-veins, with some breccia and pyrite within a chlorite altered envelope. The fractures and shears in the previous two samples were sub-parallel to the core axis. This is true also for sample 7667 that assayed 12.84 g/t Au over 80cm. This sample was high in Cu, Ni and Bi, but low in Ag and As.

8.0 Summary and Conclusions

The Yahk property comprises 295 claims with a total of 754 claim units. The property is centred around Mt. Mahon with the village of Yahk situated in the southwestern corner of the property. The property is located within the Fort Steele Mining Division. The property covers exposures of the Proterozoic lower and middle Aldridge Formations of the Purcell Supergroup.

The 1999 exploration program on the Yahk property consisted of geological mapping in the area between the Moyie River and Yahk River, and between Hawkins Creek and Manson Creek. Stratigraphic marker horizons (marker laminites) from within the middle Aldridge were collected

and identified to help determine stratigraphic level within the monotonous middle Aldridge sequence. This mapping facilitated the construction of geological cross sections.

The purpose of the exploration was to understand the geometry of the LMC, to look for possible drill targets that could test the LMC at depth, outside of geophysical and geochemical search parameters.

One diamond drill hole was cored to test the A2-Ramparts facies contact and an attempt was made to core, in the same hole, the Ramparts facies lower contact to examine stratigraphy below. The hole was drilled in a location that was at the Fringe marker level within the A2. The Fringe marker is 186m above LMC at the Sullivan Mine, and allowances were made for that distance to double in the Yahk area. Furthermore, the drill collar was spotted in an area where the A1R was thought to be relatively thin (less than 400 metres). The drill hole cored A2, then a massive wacke unit interpreted as A1R. Below this unit were gabbros and granophyres. The hole continued into thick gabbro and granophyre (A1R). The hole was stopped when it was calculated that intervening thicknesses of gabbro would put the lower contact of the A1R out of reach at the drill depth limit set.

No other targets on the property to test the base of the Ramparts facies as a more favourable geologic environment for Sedex style mineralization within the predetermined depth limits appear evident.

No further work on the property is recommended.

9.0 Statements of Qualifications

Leonard Gal

I, Leonard Gal, of North Vancouver, British Columbia hereby certify that:

- I am a Professional Geoscientist registered in good standing of the Association of Professional Engineers and Geoscientists of British Columbia (Registration No. 20425)
- I am a Fellow of the Geological Association of Canada (Fellow No. 6885).
- I am a graduate of the University of British Columbia, with a B.Sc. in Geology (1986).
- I am a graduate of the University of Calgary, with a M.Sc. in Geology (1989).
- I have been engaged in geological work more or less continuously since 1986, in North and South America and Australasia.
- The information in this report is based on work conducted by and supervised by myself, and upon review of unpublished and published reports and maps, and materials supplied by the operator.

Signed this 9 day of December, 1999.

Leonard Gal M.Sc., P.Geo

Siegfried Weidner

I, Siegfried O. Weidner, of Coquitlam, British Columbia, do hereby certify that:

1) I am a Senior Geologist employed by Ro Algom Exploration Inc. with an office located at #900-409 Granville Street, Vancouver, British Columbia, Canada, V6C-1T2

2) I am a graduate in Geology with a Bachelor of Science degree from the University of Toronto in 1984.

3) I have practised my profession as a geologist since graduation in 1984, the last 11 years with Rio Algom Exploration Inc.

4) I supervised the 1999 exploration program on the Yahk option property and have detailed knowledge of the contents of this report.

Dated this 16th day of December, 1999

Signed : _____
Siegfried Weidner
(Rio Algom Exploration Inc.)

10.0 Statement of Expenditures

The following expenses were incurred on the Yahk property:

Personnel (includes benefits, H.O. Supervision)		
Leonard Gal, P.Geo*	38 days @ $300/day	$11,400
Patrick Donnelly, Assistant	52 days @ $150/day	$ 7,800
Jason Kolcun	6 days @ $130/day	$ 780
Siegfried Weidner**	33 days @ $310/day	$10,230
Airfares		
Vancouver – Cranbrook (x2)		$ 1,069
Accommodation		
Hotel/Motel for crew and		$ 1,928
Meals		
$35/day/2man crew		$ 1,019
Groceries		
Field Supplies/Lunches (2-4 men)		$ 633
Field Supplies		
Equipment rental, consumables, maps, reports		$ 1,190
Transportation (includes gasoline)		
Truck Rental, ATV, car rental, core transport		$ 4,254
Drilling		
Beaupre Diamond Drilling		$54,756
Ramrod Exploration Services		$ 350
Consultants		
Supergroups Holdings Ltd.		$ 6,234
G. Rodgers		$ 728
Analytical		
Eco-Tech Laboratories, Kamloops		$ 2,533
Miscellaneous		
Drafting/Reproductions		$ 2,451
Total		**$107,355**

* Mapping, Report writing and drafting

** Supervision, reporting, interpretation

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APPENDIX I

Property Claim Status

Yahk Option Property
Claim Schedule

AREA	OWNER	Party	NO	CLAIMS	FMC	NTS	REG DATE	EXPIRY	DISTRICT	UNITS
Yahk	Abitibi	Abitibi	340420	TOUR 3	122797	082F01E	19950929	20001123	Fort Steele	20
Yahk	Abitibi	Abitibi	340888	YAK 5	122797	082F01E	19951006	20001123	Fort Steele	1
Yahk	Abitibi	Abitibi	340889	YAK 6	122797	082F01E	19951006	20001123	Fort Steele	1
Yahk	Abitibi	Abitibi	340890	YAK 7	122797	082F01E	19951006	20001123	Fort Steele	1
Yahk	Abitibi	Abitibi	340891	YAK 8	122797	082F01E	19951006	20001123	Fort Steele	1
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Yahk	Abitibi	Abitibi	340893	YAK 10	122797	082F01E	19951006	20001123	Fort Steele	1
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Yahk	Abitibi	Abitibi	342390	YAK 34	122797	082F01E	19951118	20001123	Fort Steele	1

Yahk Option Property
Claim Schedule

AREA	OWNER	Party	NO	CLAIMS	FMC	NTS	REG DATE	EXPIRY	DISTRICT	UNITS
Yahk	Abitibi	Abitibi	342391	YAK 35	122797	082F01E	19951118	20001123	Fort Steele	1
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Yahk Option Property
Claim Schedule

AREA	OWNER	Party	NO	CLAIMS	FMC	NTS	REG DATE	EXPIRY	DISTRICT	UNITS
Yahk	Abitibi	Abitibi	354931	YAK 90	122797	082F01E	19970329	20001123	Fort Steele	1
Yahk	Abitibi	Abitibi	357185	YAK 92	122797	082F01E	19970620	20001123	Fort Steele	8
Yahk	Abitibi	Abitibi	358862	WARM 1	122797	082G04W	19970827	20001123	Fort Steele	1
Yahk	Abitibi	Abitibi	358863	WARM 2	122797	082G04W	19970827	20001123	Fort Steele	1
Yahk	Abitibi	Abitibi	358864	WARM 4	122797	082G04W	19970827	20001123	Fort Steele	1
Yahk	Abitibi	Abitibi	358865	WARM 5	122797	082G04W	19970827	20001123	Fort Steele	1
Yahk	Abitibi	Abitibi	359243	COLD 125	122797	082G04W	19970921	20001123	Fort Steele	15
Yahk	Abitibi	Abitibi	368006	Tour5	122797	082F01E	19990303	20001123	Fort Steele	1
Yahk	Abitibi	Abitibi	368007	Tour6	122797	082F01E	19990303	20001123	Fort Steele	1
Yahk	Abitibi	Abitibi	368008	Tour7	122797	082F01E	19990303	20001123	Fort Steele	1
Yahk	Abitibi	Abitibi	368009	Tour8	122797	082F01E	19990303	20001123	Fort Steele	1
Yahk	Abitibi	Abitibi	339622	YAK 1	122797	082F01E	19950906	20011123	Fort Steele	15
Yahk	Abitibi	Abitibi	339643	YAK 2	122797	082F01E	19950906	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	339644	YAK 3	122797	082F01E	19950906	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	339645	YAK 4	122797	082F01E	19950906	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	340324	TOUR 1	122797	082F01E	19950926	20011123	Fort Steele	20
Yahk	Abitibi	Abitibi	340419	TOUR 2	122797	082F01E	19950929	20011123	Fort Steele	20
Yahk	Abitibi	Abitibi	340898	YAK 15	122797	082F01E	19951006	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	342394	YAK 38	122797	082F01E	19951118	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344333	COLD 1	122797	082G04W	19960304	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344334	COLD 2	122797	082G04W	19960304	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344336	COLD 4	122797	082G04W	19960304	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344337	COLD 5	122797	082G04W	19960304	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344338	COLD 6	122797	082G04W	19960304	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344339	COLD 7	122797	082G04W	19960304	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344340	COLD 8	122797	082G04W	19960304	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344341	COLD 9	122797	082G04W	19960304	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344342	COLD 10	122797	082G04W	19960304	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344343	COLD 11	122797	082G04W	19960304	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344344	COLD 12	122797	082G04W	19960304	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344346	COLD 14	122797	082G04W	19960304	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344347	COLD 15	122797	082G04W	19960304	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344348	COLD 16	122797	082G04W	19960304	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344349	COLD 17	122797	082G04W	19960304	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344350	COLD 18	122797	082G04W	19960304	20011123	Fort Steele	1

Yahk Option Property
Claim Schedule

AREA	OWNER	Party	NO	CLAIMS	FMC	NTS	REG DATE	EXPIRY	DISTRICT	UNITS
Yahk	Abitibi	Abitibi	344352	COLD 20	122797	082G04W	19960306	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344353	COLD 21	122797	082G04W	19960306	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344354	COLD 22	122797	082G04W	19960306	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344355	COLD 23	122797	082G04W	19960306	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344356	COLD 24	122797	082G04W	19960306	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344357	COLD 25	122797	082G04W	19960306	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344358	COLD 26	122797	082G04W	19960306	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344359	COLD 27	122797	082G04W	19960306	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344360	COLD 28	122797	082G04W	19960306	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344362	COLD 30	122797	082G04W	19960306	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344363	COLD 31	122797	082G04W	19960306	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344364	COLD 32	122797	082G04W	19960306	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344366	COLD 34	122797	082G04W	19960307	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344367	COLD 35	122797	082G04W	19960307	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344368	COLD 36	122797	082G04W	19960307	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344369	COLD 37	122797	082G04W	19960307	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344370	COLD 38	122797	082G04W	19960307	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344371	COLD 39	122797	082G04W	19960307	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344372	COLD 40	122797	082G04W	19960307	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344373	COLD 41	122797	082G04W	19960307	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344374	COLD 42	122797	082G04W	19960307	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344375	COLD 43	122797	082G04W	19960307	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344376	COLD 44	122797	082G04W	19960307	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344377	COLD 45	122797	082G04W	19960306	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344379	COLD 47	122797	082G04W	19960306	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344382	COLD 50	122797	082G04W	19960307	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344415	COLD 51	122797	082G04W	19960307	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344416	COLD 52	122797	082G04W	19960307	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344417	COLD 53	122797	082G04W	19960307	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344418	COLD 54	122797	082G04W	19960307	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344419	COLD 55	122797	082G04W	19960307	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344420	COLD 56	122797	082G04W	19960307	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344422	COLD 58	122797	082G04W	19960307	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344423	COLD 59	122797	082G04W	19960309	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344425	COLD 61	122797	082G04W	19960309	20011123	Fort Steele	1

Yahk Option Property
Claim Schedule

AREA	OWNER	Party	NO	CLAIMS	FMC	NTS	REG DATE	EXPIRY	DISTRICT	UNITS
Yahk	Abitibi	Abitibi	344426	COLD 62	122797	082G04W	19960309	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344427	COLD 63	122797	082G04W	19960309	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344429	COLD 65	122797	082G04W	19960309	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344430	COLD 66	122797	082G04W	19960309	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344431	COLD 67	122797	082G04W	19960309	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344432	COLD 68	122797	082G04W	19960309	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344433	COLD 69	122797	082G04W	19960309	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344434	COLD 70	122797	082G04W	19960307	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344435	COLD 71	122797	082G04W	19960309	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344436	COLD 72	122797	082G04W	19960309	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344437	COLD 73	122797	082G04W	19960309	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344438	COLD 74	122797	082G04W	19960309	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344439	COLD 75	122797	082G04W	19960309	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344440	COLD 76	122797	082G04W	19960309	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344441	COLD 77	122797	082G04W	19960309	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344442	COLD 78	122797	082G04W	19960309	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344443	COLD 79	122797	082G04W	19960312	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344444	COLD 80	122797	082G04W	19960312	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344445	COLD 81	122797	082G04W	19960312	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344446	COLD 82	122797	082G04W	19960312	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344447	COLD 83	122797	082G04W	19960311	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344448	COLD 84	122797	082G04W	19960311	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344449	COLD 85	122797	082G04W	19960311	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344450	COLD 86	122797	082G04W	19960311	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344451	COLD 87	122797	082G04W	19960311	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344452	COLD 88	122797	082G04W	19960311	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344453	COLD 89	122797	082G04W	19960311	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344454	COLD 90	122797	082G04W	19960311	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344456	COLD 92	122797	082G04W	19960311	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344457	COLD 93	122797	082G04W	19960312	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344458	COLD 94	122797	082G04W	19960312	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344459	COLD 95	122797	082G04W	19960312	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344461	COLD 97	122797	082G04W	19960311	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344462	COLD 98	122797	082G04W	19960311	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344463	COLD 99	122797	082G04W	19960312	20011123	Fort Steele	1

Yahk Option Property
Claim Schedule

AREA	OWNER	Party	NO	CLAIMS	FMC	NTS	REG DATE	EXPIRY	DISTRICT	UNITS
Yahk	Abitibi	Abitibi	344464	COLD 100	122797	082G04W	19960312	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	344465	COLD 101	122797	082G04W	19960312	20011123	Fort Steel	1
Yahk	Abitibi	Abitibi	349703	YAK	123054	082F01E	19960820	20011123	Fort Steele	9
Yahk	Abitibi	Abitibi	350892	HOT 2	122797	082G04W	19960924	20011123	Fort Steele	20
Yahk	Abitibi	Abitibi	350893	HOT 4	122797	082G04W	19960924	20011123	Fort Steele	20
Yahk	Abitibi	Abitibi	350894	HOT 5	122797	082G04W	19960925	20011123	Fort Steele	20
Yahk	Abitibi	Abitibi	350895	HOT 6	122797	082G04W	19960926	20011123	Fort Steele	20
Yahk	Abitibi	Abitibi	350897	HOT 18	122797	082G04W	19960924	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	350898	HOT 19	122797	082G04W	19960924	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	350899	HOT 20	122797	082G04W	19960924	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351437	HOT 3	122797	082G04W	19961001	20011123	Fort Steele	18
Yahk	Abitibi	Abitibi	351438	HOT 7	122797	082G04W	19960930	20011123	Fort Steele	18
Yahk	Abitibi	Abitibi	351439	HOT 8	122797	082G04W	19960930	20011123	Fort Steele	20
Yahk	Abitibi	Abitibi	351484	HOT 9	122797	082G04W	19961003	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351486	HOT 11	122797	082G04W	19961003	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351487	HOT 12	122797	082G04W	19961003	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351488	HOT 13	122797	082G04W	19961003	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351489	HOT 14	122797	082G04W	19961003	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351490	HOT 15	122797	082G04W	19961003	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351492	HOT 38	122797	082G04W	19961003	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351493	HOT 39	122797	082G04W	19961003	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351494	HOT 40	122797	082G04W	19961003	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351495	HOT 41	122797	082G04W	19961003	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351497	HOT 43	122797	082G04W	19961003	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351498	HOT 44	122797	082G04W	19961003	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351499	HOT 45	122797	082G04W	19961003	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351500	HOT 48	122797	082G04W	19961002	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351502	HOT 50	122797	082G04W	19961002	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351504	HOT 52	122797	082G04W	19961002	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351506	HOT 54	122797	082G04W	19961002	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351507	HOT 55	122797	082G04W	19961002	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351508	HOT 56	122797	082G04W	19960924	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351509	HOT 57	122797	082G04W	19960924	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351510	HOT 58	122797	082G04W	19960924	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351513	HOT 61	122797	082G04W	19960924	20011123	Fort Steele	1

Yahk Option Property
Claim Schedule

AREA	OWNER	Party	NO	CLAIMS	FMC	NTS	REG DATE	EXPIRY	DISTRICT	UNITS
Yahk	Abitibi	Abitibi	351516	HOT 34	122797	082G04W	19960929	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351518	HOT 66	122797	082G04W	19961002	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351519	HOT 67	122797	082G04W	19961002	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351520	HOT 68	122797	082G04W	19961002	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351521	HOT 69	122797	082G04W	19961002	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351522	HOT 70	122797	082G04W	19961002	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351523	HOT 71	122797	082G04W	19961002	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351524	HOT 72	122797	082G04W	19961002	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351525	HOT 73	122797	082G04W	19961002	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351526	HOT 74	122797	082G04W	19961002	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351527	HOT 75	122797	082G04W	19961002	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351528	HOT 76	122797	082G04W	19961002	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351529	HOT 77	122797	082G04W	19961002	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351737	RYAN 3	122797	082G04W	19961009	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351738	RYAN 4	122797	082G04W	19961009	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351739	RYAN 5	122797	082G04W	19961009	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351740	RYAN 6	122797	082G04W	19961009	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351741	RYAN 7	122797	082G04W	19961009	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351742	RYAN 8	122797	082G04W	19961010	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	351743	RYAN 9	122797	082G04W	19961010	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	354344	YAK 55	122797	082F01E	19970316	20011123	Fort Steele	20
Yahk	Abitibi	Abitibi	354349	YAK 60	122797	082F01E	19970315	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	354906	YAK 63	122797	082F01E	19970411	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	354910	YAK 67	122797	082F01E	19970411	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	354923	YAK 82	122797	082F01E	19970329	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	354927	YAK 86	122797	082F01E	19970329	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	354932	YAK 91	122797	082F01E	19970329	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	357186	YAK 93	122797	082F01E	19970620	20011123	Fort Steele	9
Yahk	Abitibi	Abitibi	357187	YAK 94	122797	082F01E	19970619	20011123	Fort Steele	18
Yahk	Abitibi	Abitibi	358861	WARM 3	122797	082G04W	19970828	20011123	Fort Steele	20
Yahk	Abitibi	Abitibi	361043	HOT 22	123054	082G04W	19971223	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	364509	COOL 1	122797	082G04W	19980802	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	364510	COOL 2	122797	082G04W	19980802	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	364511	COOL 3	122797	082G04W	19980802	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	364512	COOL 4	122797	082G04W	19980802	20011123	Fort Steele	1

Yahk Option Property
Claim Schedule

AREA	OWNER	Party	NO	CLAIMS	FMC	NTS	REG DATE	EXPIRY	DISTRICT	UNITS
Yahk	Abitibi	Abitibi	364513	COOL 5	122797	082G04W	19980802	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	364514	COOL 6	122797	082G04W	19980802	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	364515	COOL 7	122797	082G04W	19980802	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	364516	COOL 8	122797	082G04W	19980802	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	364517	COOL 9	122797	082G04W	19980802	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	364518	COOL 10	122797	082G04W	19980802	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	364519	COOL 11	122797	082G04W	19980802	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	364520	COOL 12	122797	082G04W	19980802	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	364521	COOL 13	122797	082G04W	19980802	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	364522	COOL 14	122797	082G04W	19980802	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	364523	COOL 15	122797	082G04W	19980802	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	364524	COOL 16	122797	082G04W	19980802	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	364525	COOL 17	122797	082G04W	19980802	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	364526	COOL 18	122797	082G04W	19980802	20011123	Fort Steele	1
Yahk	Abitibi	Abitibi	361044	HOT 23	123054	082G04W	19971223	20011223	Fort Steele	1
Yahk	Abitibi	Abitibi	361045	HOT 24	123054	082G04W	19971223	20011223	Fort Steele	1
Yahk	Abitibi	Abitibi	361046	HOT 25	123054	082G04W	19971223	20011223	Fort Steele	1
Yahk	Abitibi	Abitibi	361047	HOT 26	123054	082G04W	19971223	20011223	Fort Steele	1
Yahk	Abitibi	Abitibi	361048	HOT 27	123054	082G04W	19971223	20011223	Fort Steele	1
Yahk	Abitibi	Abitibi	361049	HOT 28	123054	082G04W	19971223	20011223	Fort Steele	1
Yahk	Abitibi	Abitibi	361050	HOT 29	123054	082G04W	19971223	20011223	Fort Steele	1
Yahk	Abitibi	Abitibi	361051	HOT 30	123054	082G04W	19971223	20011223	Fort Steele	1
Yahk	Abitibi	Abitibi	361052	HOT 31	123054	082G04W	19971223	20011223	Fort Steele	1
Yahk	Abitibi	Abitibi	342093	YAK 30	122797	082F01E	19951104	20021123	Fort Steele	1
Yahk	Abitibi	Abitibi	344424	COLD 60	122797	082G04W	19960309	20031123	Fort Steele	1
Yahk	Abitibi	Abitibi	344428	COLD 64	122797	082G04W	19960309	20031123	Fort Steele	1
Yahk	Abitibi	Abitibi	344460	COLD 96	122797	082G04W	19960312	20031123	Fort Steele	1
Yahk	Abitibi	Abitibi	344470	COLD 102	122797	082G04W	19960312	20031123	Fort Steele	1
Yahk	Abitibi	Abitibi	344335	COLD 3	122797	082G04W	19960304	20041123	Fort Steele	1
Yahk	Abitibi	Abitibi	344345	COLD 13	122797	082G04W	19960304	20041123	Fort Steele	1
Yahk	Abitibi	Abitibi	344351	COLD 19	122797	082G04W	19960306	20041123	Fort Steele	1
Yahk	Abitibi	Abitibi	344361	COLD 29	122797	082G04W	19960306	20041123	Fort Steele	1
Yahk	Abitibi	Abitibi	344365	COLD 33	122797	082G04W	19960307	20041123	Fort Steele	1
Yahk	Abitibi	Abitibi	344378	COLD 46	122797	082G04W	19960306	20041123	Fort Steele	1
Yahk	Abitibi	Abitibi	344380	COLD 48	122797	082G04W	19960306	20041123	Fort Steele	1

Yahk Option Property
Claim Schedule

AREA	OWNER	Party	NO	CLAIMS	FMC	NTS	REG DATE	EXPIRY	DISTRICT	UNITS
Yahk	Abitibi	Abitibi	344381	COLD 49	122797	082G04W	19960307	20041123	Fort Steele	1
Yahk	Abitibi	Abitibi	344421	COLD 57	122797	082G04W	19960307	20041123	Fort Steele	1
Yahk	Abitibi	Abitibi	344455	COLD 91	122797	082G04W	19960311	20041123	Fort Steele	1
Yahk	Abitibi	Abitibi	350896	HOT 17	122797	082G04W	19960924	20041123	Fort Steele	1
Yahk	Abitibi	Abitibi	350900	HOT 21	122797	082G04W	19960924	20041123	Fort Steele	1
Yahk	Abitibi	Abitibi	351485	HOT 10	122797	082G04W	19961003	20041123	Fort Steele	1
Yahk	Abitibi	Abitibi	351491	HOT 16	122797	082G04W	19961003	20041123	Fort Steele	1
Yahk	Abitibi	Abitibi	351496	HOT 42	122797	082G04W	19961003	20041123	Fort Steele	1
Yahk	Abitibi	Abitibi	351512	HOT 60	122797	082G04W	19960924	20041123	Fort Steele	1
Yahk	Abitibi	Abitibi	351515	HOT 32	122797	082G04W	19960929	20041123	Fort Steele	1
Yahk	Abitibi	Abitibi	351744	RYAN 10	122797	082G04W	19961010	20041123	Fort Steele	1
Yahk	Abitibi	Abitibi	354348	YAK 59	122797	082F01E	19970315	20041123	Fort Steele	1
Yahk	Abitibi	Abitibi	354350	YAK 61	122797	082F01E	19970315	20041123	Fort Steele	1
Yahk	Abitibi	Abitibi	351514	HOT 62	122797	082G04W	19960924	20051123	Fort Steele	1
Yahk	Abitibi	Abitibi	351511	HOT 59	122797	082G04W	19960924	20091123	Fort Steele	1

Updated: December 01, 1999 295 754

APPENDIX II

Geology Maps and Sections

INSET MAP 1 : 100,000

WEST SHEET MAP AREA

EAST SHEET MAP AREA

YAHK CLAIM BLOCK

LEGEND

- lph — LAMPROPHYRE DYKE
- gtd — GRANITOID INTRUSIVE: fine to medium grained, equigranular tonalite or granodiorite
- gb — MOYIE INTRUSIONS: gabbro - diorite
- gph — GRANOPHYRE: fine grained, massive, granoblastic, quartz-biotite-feldspar rock
- frag — FRAGMENTAL: massive, rusty weathering, fine grained, biotite-rich quartzitic wacke matrix, variable fragments
- A_2 — MIDDLE ALDRIDGE: quartz wacke, quartzitic wacke, subwacke, siltstone, minor argillite, thin to medium bedded, A-E turbidites
- A_m — LOWER ALDRIDGE (Ramparts Facies): quartz wacke, quartzitic wacke, minor siltstone, medium bedded
- A_1 — LOWER ALDRIDGE: quartzitic wacke, wacke, subwacke, siltstone, rusty weathering, thin bedded, fine grained, (includes FWQ footwall quartzite, medium bedded grey quartzite)

SYMBOLS

- Geological contact: inferred, assumed
- Projection of marker laminite horizon
- Fault: observed, inferred
- Thrust fault
- Outcrop
- Area of small scattered outcrop/subcrop
- Angular float
- PLG32 (50, 8, 25, 0.1, 2, 25) — Rock sample locator: sample number (Assay values: Cu-ppm, Pb-ppm, Zn-ppm, Ag-ppm, Au-ppb, As-ppm)
- (M) — Marker laminite location with name where identified
- △084 — Station number
- Bedding
- Foliation
- Anticline, syncline
- PP99-1 — Drill hole
- Workings: trench, adit, shaft
- Property boundary
- A A' — Cross section line

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
26,121

0 100 200 300 400 500
Metres
1 : 10,000

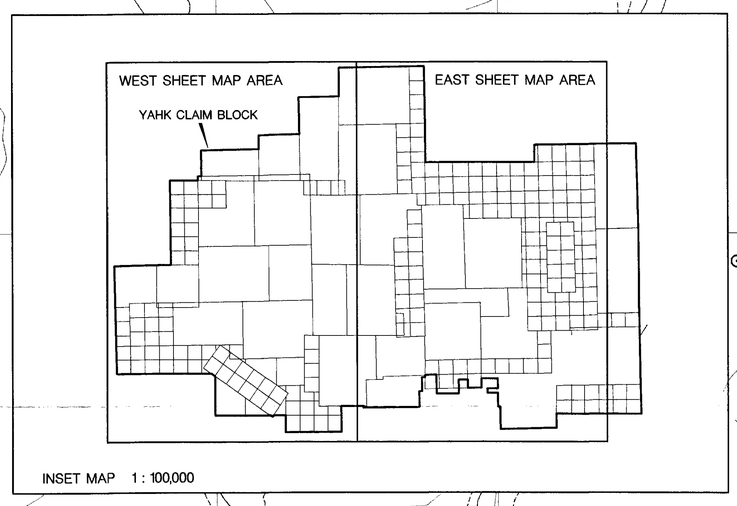
RIO ALGOM EXPLORATION INC.

YAHK PROPERTY
Fort Steele M.D. British Columbia, Canada

GEOLOGY (WEST SHEET)

SCALE: 1 : 10,000	DATE: December 1999
DATA BY: L.P.G. S.O.W.	APPENDIX: 2
TRIM: 82F.010, 020, 82G.001, 011	MAP: 1a

LUMINA DRAFTING LTD. yahk-geo



INSET MAP 1 : 100,000

89-ST-1

89-ST-2

LAMB MARKER HORIZON (projected)

MANSON CREEK FAULT

MAHON CREEK FAULT

CANUK CREEK FAULT

AMERICA CREEK FAULT (INFERRED)

GOLD CREEK FAULT

Mount Manson

Mount Mahon

Manson Creek

Cold Creek

Hawkins Creek

South Hawkins Creek

Cryer Road

Hawkins Road

America Creek

gb dyke

YLG25 (26, 4, 12, 0.1, <5, <5)

YLG24, 26 (21, 1, 8, 0.1, <5, <5) (11, 10, 30, 0.1, <5, <5)

YLG09, 10 (24, 20, 35, 0.1, <5, <5) (9, 12, 28, 0.1, <5, <5)

YLG20 (-)

YLG16 (20, 8, 63, 0.1, <5, <5)

YLG11 (12, 12, 83, <5, <5)

YLG27 (75, 10, 52, 0.1, <5, <5)

YLG28 (9, 14, 43, 0.1, <5, <5)

YLG29 (31, 16, 14, 0.2, <5, <5)

YLG12, 13, 14, 15 (135, 18, 10, 16, 115, 10800) (84, 12, 62, 0.1, 10, 15) (6, 4, 0, 0.1, 5, 5) (5, 4, 14, 0.1, <5, <5)

YSW14, 15, 16, 17 (36, 14, 74, 0.1, <5, <5) (36, 6, 91, 0.1, <5, <5) (31, 12, 91, 0.1, <5, <5) (55, 14, 139, 0.1, <5, <5)

MM 92-04

MM 92-05

MM 92-06

MM 91-03

MM 91-02

MM 91-01

MM 87-1

MM 84-1

Y-12-80

Y-13-80

Y-11-80

Y-10-81

MOYIE SW3 (float)

KID SW2 (float)

DDH YK99-1 (Rio Algom, 1999)

Y98-1

Y98-2

Y98-3

YA1

YA2

YA3

YA4

YA5

YA7

YA8

YA9

LEGEND

- lph — LAMPROPHYRE DYKE
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- Marker laminite location with name where identified
- Station number
- Bedding
- Foliation
- Anticline, syncline
- PP99-1 — Drill hole
- Workings: trench, adit, shaft
- Property boundary
- A A' — Cross section line

0 100 200 300 400 500 Metres
1 : 10,000

RIO ALGOM EXPLORATION INC.

YAHK PROPERTY
Fort Steele M.D. British Columbia, Canada

GEOLOGY (EAST SHEET)

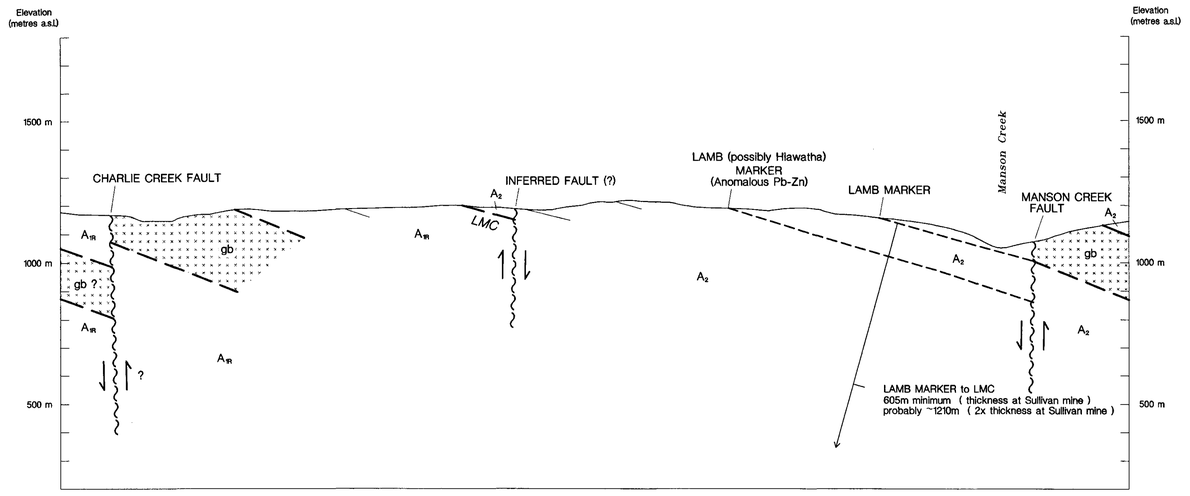
SCALE: 1 : 10,000	DATE: December 1999
DATA BY: L.P.G. S.G.W.	APPENDIX: 2
TRIM: 82F.010, 020, 82G.001, 011	MAP: 1b

GEOLOGICAL SURVEY BRANCH ASSESSMENT REPORT

20,121

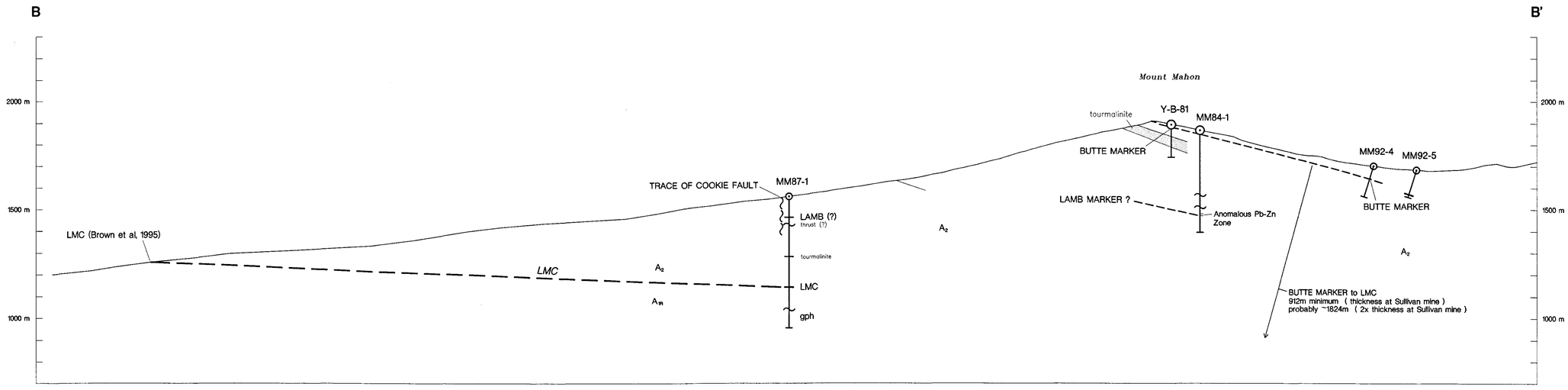
LUMEN DRAFTING LTD. yahk—geo

A — A'



Section Line - Azimuth 037 —

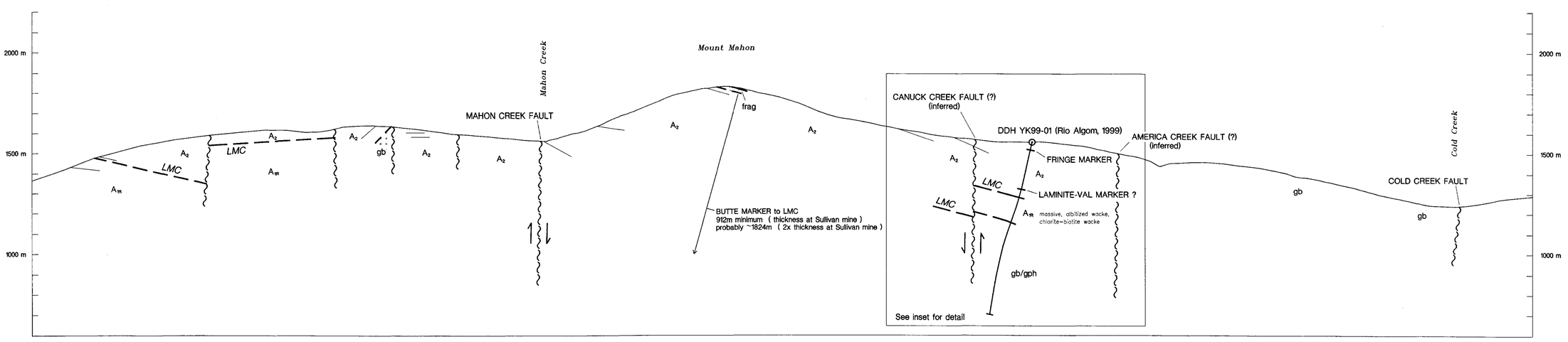
B — B'



Section Line - Azimuth 030 —

575500 E — 576000 E — 576500 E — 577000 E — 577500 E — 578000 E — 578500 E — 579000 E — 579500 E — 580000 E

C — C'



Section Line 5439000 N —

LEGEND

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- gb — MOYIE INTRUSIONS: gabbro - diorite
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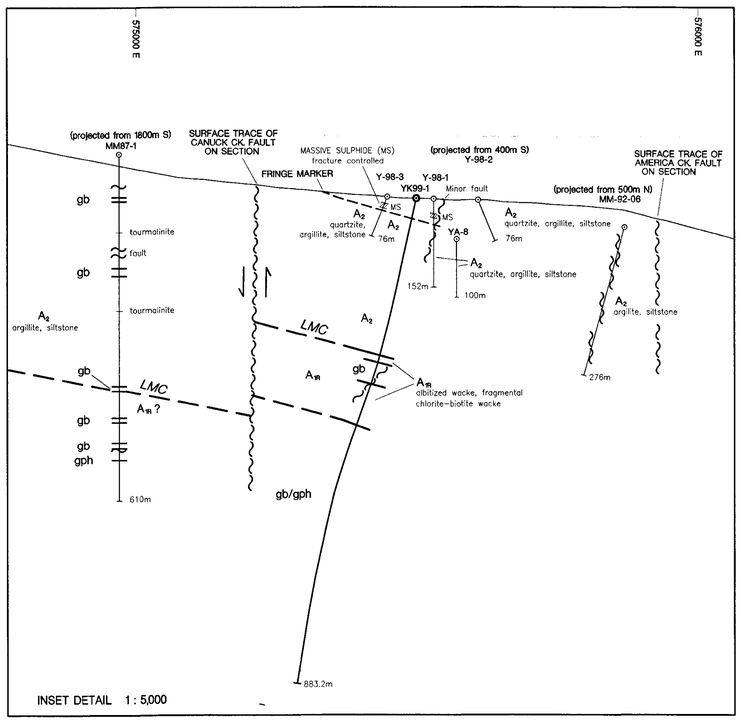
- A_{1R} — LOWER ALDRIDGE (Ramparts Facies): quartz wacke, quartzitic wacke, minor siltstone, medium bedded
- A_1 — LOWER ALDRIDGE: quartzitic wacke, wacke, subwacke, siltstone, rusty weathering, thin bedded, fine grained, (includes FWQ footwall quartzite, medium bedded grey quartzite)

SYMBOLS

- Geological contact inferred, assumed
- Projection of marker laminite horizon
- Fault: observed, inferred
- Measured bedding attitude
- YK99-1 ⊙ — Diamond drill hole

INSET DETAIL 1 : 5,000

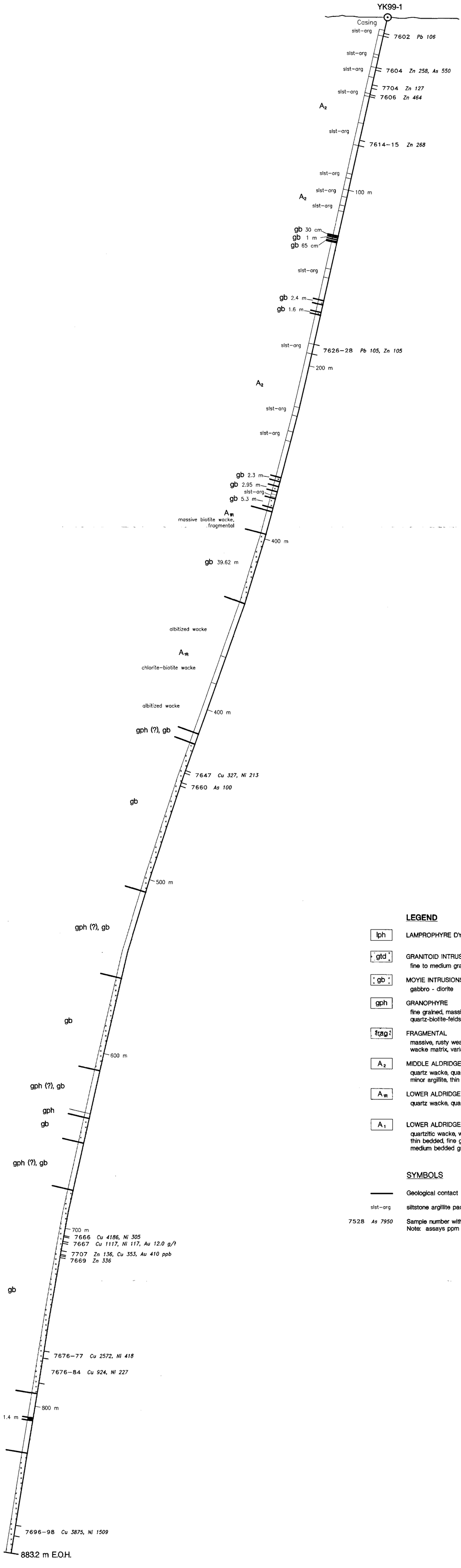


26.121

0 100 200 300 400 500
Metres
1 : 10,000

RIO ALGOM EXPLORATION INC.	
YAHK PROPERTY Fort Steele M.D. British Columbia, Canada	
GEOLOGICAL CROSS SECTIONS A-A', B-B', C-C'	
SCALE: 1 : 10,000	DATE: December 1999
DATA BY: L.P.G. S.G.W.	APPENDIX: 2
TRIM: 82F.010, 020, 82G.001, 011	MAP: 2

LUMINAI DRAFTING LTD. yahk-sec



LEGEND

- lph — LAMPROPHYRE DYKE
- gtd — GRANITOID INTRUSIVE
  fine to medium grained, equigranular tonalite or granodiorite
- gb — MOYIE INTRUSIONS
  gabbro - diorite
- gph — GRANOPHYRE
  fine grained, massive, granoblastic, quartz-biotite-feldspar rock
- frag — FRAGMENTAL
  massive, rusty weathering, fine grained, biotite-rich quartzitic wacke matrix, variable fragments
- A_2 — MIDDLE ALDRIDGE
  quartz wacke, quartzitic wacke, subwacke, siltstone, minor argillite, thin to medium bedded, A-E turbidites
- A_{1R} — LOWER ALDRIDGE (Ramparts Facies)
  quartz wacke, quartzitic wacke, minor siltstone, medium bedded
- A_1 — LOWER ALDRIDGE
  quartzitic wacke, wacke, subwacke, siltstone, rusty weathering, thin bedded, fine grained, (includes FWQ footwall quartzite, medium bedded grey quartzite)

SYMBOLS

- Geological contact
- slst–arg — siltstone argillite package (within A_2)
- 7528 *As 7950* — Sample number with assays
  Note: assays ppm unless otherwise noted

0 10 20 30 40 50
Metres
1 : 1,000

LUMINAI DRAFTING LTD. yahk–ddh

RIO ALGOM EXPLORATION INC.

YAHK PROPERTY
Fort Steele M.D. British Columbia, Canada

DRILL HOLE SECTION YK99-1

SCALE: 1 : 1,000	DATE: December 1999
DATA BY: L.P.G. S.O.W.	APPENDIX: 2
TRIM: 82F.010, 020, 82G.001, 011	MAP: 3

APPENDIX III

Time Stratigraphic Marker Horizons (Marker Laminites)

Station Number	Marker Horizon	Comments
SW-2	Kid	Float sample from near peak of Mt. Mahon
SW-3	Moyie	Float sample from near peak of Mt. Mahon
YSW-18	R	Cold Creek Valley. Matched to Standard H-84, 159
166	Lamb	Matched to Standard CF-96-3, specimen 8
017	?	Marker laminite, but could not match
169	?	Marker laminite, but could not match
178	?	Marker laminite, but could not match

APPENDIX IV

Analytical Sample Descriptions

Tag Number	Sample Number	Station Number	Formation	Description
YLG01	7401	145	A2	Quartz wacke (with quartz vein?) with tourmaline
YLG02	7402	160	A1	Pyritic fine grained quartz wacke
YLG03	7403	166	A2	Rusty wacke – siltstone
YLG04	7404	176	A1-gran?	Selected rusty weathered Cookie fragmental
YLG05	7405	176	A1-gran?	Cookie fragmental grab
YLG06	7406	162		Tourmalinized quartz wacke, 10.6km on Mahon road
YLG07	7407	162		Siltstone, possible ZnS, 10.7km on Mahon Road
YLG09	7409	180	A2, frag	Mahon fragmental float
YLG10	7410	180	A2	Tourmalinized wacke
YLG11	7421	208	Frag	Fragmental
YLG12	7422	209	A2	Tourmalinized rock with pyrrhotite
YLG13	7423	209	A2	Garnet bearing quartzitic wacke
YLG14	7424	209	A2	Mudstone – siltstone, rusty
YLG15	7425	209	A2-frag	Wacke fragmental float
YLG16	7426	210	A2-frag	Fragmental grab
YLG17	7427	017	A2	Mineralized marker laminite
YLG18	7428		A2	Rusty, yellow stained muscovitic siltstone
YLG19	7429		A2	Fault breccia, rusty, silica – albite altered
YLG20	7430	204	A2	Laminated siltstone – rusty
YLG21	7431	166	A2	Laminated siltstone – rusty with sulphides
YLG22	7432	166	A2	
YLG23	7433	198	A2	Laminated siltstone with "white garnet" alteration
YLG24	7443	270	Frag.	Fragmental
YLG25	7444	271	Frag.	Fragmental
YLG26	7445	270	Frag.	Fragmental
YLG27	7446	273	Frag	Fragmental
YLG28	7447	274	Frag.	Fragmental
YLG29	7448	276	Frag.	Fragmental
YSW01	7411		A1	Rusty
YSW02	7412		A1	Grab rusty fracture zone
YSW03	7413		A1	Grab rusty fracture zone
YSW04	7414		A1	Grab rusty fracture zone
YSW11	7415			Laminated siltstone with disseminated sulphides
YSW12	7416			Laminated siltstone with disseminated sulphides
YSW14	7417		A2	Pyritic laminated
YSW15	7418		A2	Pyritic fragmental
YSW16	7419		A2	Marker laminite with pyrite
YSW17	7420		A2	Pyritic mudstone, siltstone

APPENDIX V

Analytical Results

ECH RATO LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

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

IC CERTIFICATE OF ANALYSIS AK 99-252

RIO ALGOM EXPLORATION LTD.
900-409 GRANVILLE STREET
VANCOUVER, BC
V6C 1T2

ATTENTION: SIG WEIDNER

No. of samples received: 29
Sample type: Rock
PROJECT #: 9904
SHIPMENT #: None Given
Samples submitted by: P. Donnelly

Values in ppm unless otherwise reported

station →

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	07401 Δ145	5	<0.2	0.85	<5	35	<5	0.36	<1	3	121	28	0.57	10	0.07	66	2	0.05	19	120	10	<5	<20	11	0.05	<10	3	<10	43	10
2	07402 160	5	<0.2	1.47	<5	120	<5	0.08	<1	15	91	45	3.29	10	0.51	221	<1	0.02	15	300	6	<5	<20	<1	0.15	<10	20	<10	32	49
3	07403 166	5	<0.2	1.91	<5	75	5	0.16	<1	27	75	63	4.21	<10	0.98	524	4	0.03	25	560	14	<5	<20	<1	0.24	<10	41	<10	37	95
4	07404 176	<5	<0.2	2.30	<5	205	10	0.09	<1	15	88	22	3.74	20	1.07	551	<1	0.03	7	270	8	<5	<20	2	0.27	<10	67	<10	70	60
5	07405 176	<5	<0.2	1.98	<5	265	10	0.07	<1	10	102	16	3.55	20	1.02	489	<1	0.04	6	250	6	10	<20	<1	0.26	<10	61	<10	58	39
6	07406 162	<5	<0.2	3.39	<5	100	15	1.37	<1	9	124	9	2.82	20	0.45	470	<1	0.09	11	200	12	10	<20	6	0.15	<10	23	<10	70	18
7	07407 162	<5	<0.2	2.12	<5	105	15	0.18	<1	19	108	48	3.18	10	1.32	734	<1	0.07	27	370	12	<5	<20	4	0.23	<10	59	<10	62	96
8	[illegible]																													
9	07409 Δ180	<5	<0.2	1.69	<5	45	10	0.56	<1	7	92	24	1.67	20	0.35	327	<1	0.04	11	280	20	<5	<20	8	0.09	<10	8	<10	67	35
10	07410 180	<5	<0.2	0.82	<5	70	5	0.03	<1	7	89	9	1.82	20	0.30	195	<1	0.02	8	150	12	<5	<20	<1	0.12	<10	10	<10	27	28
11	07411 YSW01	<5	<0.2	0.68	<5	65	5	0.02	<1	3	60	14	1.67	20	0.39	152	<1	0.02	3	200	2	<5	<20	<1	0.08	<10	8	<10	11	20
12	07412 YSW02	<5	<0.2	0.33	<5	65	20	0.02	<1	17	60	20	>10	30	<0.01	194	14	0.01	91	610	6	<5	<20	<1	<0.01	10	64	<10	129	60
13	07413 YSW03	<5	<0.2	0.13	<5	15	<5	<0.01	<1	3	182	4	0.81	<10	0.04	63	4	0.01	12	60	2	<5	<20	<1	<0.01	<10	6	<10	5	<1
14	07414 YSW04	15	<0.2	0.21	<5	35	<5	0.02	<1	1	103	2	0.61	20	0.05	64	4	0.02	12	170	14	<5	<20	<1	<0.01	<10	5	<10	43	6
15	07415 YSW11	5	<0.2	1.67	<5	150	10	0.07	<1	15	57	4	3.33	30	0.60	408	<1	0.02	20	260	10	<5	<20	<1	0.17	<10	18	<10	80	117
16	07416 YSW12	5	<0.2	1.47	<5	275	<5	0.06	<1	7	50	21	3.14	<10	0.58	392	<1	0.02	6	240	18	<5	<20	<1	0.14	<10	19	<10	66	41
17	07417 YSW14	<5	<0.2	1.92	<5	85	5	0.15	<1	16	77	36	3.54	30	1.35	408	2	0.03	20	600	14	10	<20	<1	0.14	<10	33	<10	42	74
18	07418 YSW15	<5	<0.2	1.74	<5	75	<5	0.05	<1	20	58	36	3.31	20	1.15	292	<1	0.02	30	280	8	10	<20	<1	0.12	<10	18	<10	23	91
19	07419 YSW16	<5	<0.2	1.32	<5	80	<5	0.14	<1	14	51	31	2.60	20	0.87	251	<1	0.02	33	840	12	10	<20	5	0.10	<10	18	<10	41	91
20	07420 YSW17	<5	<0.2	1.83	<5	105	10	0.07	1	23	74	55	3.15	10	1.27	388	4	0.03	34	470	14	5	<20	<1	0.14	<10	32	<10	24	139

ICP CERTIFICATE OF ANALYSIS AK 99-252

ECO-TECH LABORATORIES LTD.

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
21	07421	<5	<0.2	2.02	<5	180	10	0.47	<1	9	87	12	2.54	20	0.57	440	<1	0.08	12	220	12	10	<20	8	0.14	<10	21	<10	77	83
22	07422	115	1.6	0.81	>10000	30	185	0.22	<1	184	130	135	2.84	10	0.10	168	7	0.06	20	130	18	55	<20	4	0.05	<10	5	<10	29	10
23	07423	10	<0.2	2.85	15	95	10	1.47	<1	8	111	84	2.48	50	0.57	1271	<1	0.06	13	230	12	<5	<20	15	0.11	<10	17	<10	111	69
24	07424	5	<0.2	0.37	5	30	<5	0.02	<1	1	32	6	0.76	10	0.04	68	2	<0.01	1	330	4	<5	<20	<1	0.04	<10	3	<10	29	<1
25	07425	<5	<0.2	0.58	<5	50	<5	<0.01	<1	3	76	5	1.29	20	0.18	162	<1	0.01	2	140	4	<5	<20	4	0.09	<10	5	<10	22	14
26	07426	<5	<0.2	1.74	<5	115	10	0.32	<1	7	112	20	2.35	30	0.49	347	2	0.05	7	150	8	<5	<20	9	0.12	<10	14	<10	140	63
27	07427	<5	0.6	4.83	<5	80	15	1.65	4	15	111	25	4.16	20	1.78	1030	<1	0.27	19	670	506	<5	<20	102	0.15	<10	57	<10	54	594
28	07428	<5	<0.2	0.87	<5	115	10	0.03	<1	6	40	22	3.86	30	0.29	121	5	0.02	2	390	10	<5	<20	5	0.14	<10	14	<10	19	52
29	07429	<5	<0.2	0.59	<5	50	5	0.01	<1	4	86	3	1.21	20	0.17	125	<1	0.02	6	150	34	<5	<20	<1	0.05	<10	9	<10	41	80
QC DATA:																														
Resplit:																														
1	07401	<5	<0.2	0.80	<5	30	<5	0.32	<1	3	105	28	0.55	10	0.07	68	1	0.04	19	110	6	<5	<20	8	0.05	<10	2	<10	42	10
Repeat:																														
1	07401	<5	<0.2	0.82	<5	25	<5	0.34	<1	3	120	28	0.56	10	0.07	61	1	0.04	19	120	6	<5	<20	8	0.05	<10	2	<10	43	10
10	07410	<5	<0.2	0.82	<5	70	5	0.03	<1	7	89	10	1.83	20	0.31	192	<1	0.02	9	150	12	<5	<20	<1	0.12	<10	10	<10	29	28
19	07419	<5	<0.2	1.32	<5	75	<5	0.14	<1	14	50	33	2.59	20	0.86	252	<1	0.02	35	830	12	<5	<20	3	0.09	<10	18	<10	39	90
Standard:																														
GEO'99		125	1.2	1.77	65	150	<5	1.89	<1	19	64	89	3.67	<10	0.93	675	<1	0.02	25	710	22	10	<20	59	0.10	<10	76	<10	7	68

df/252
XLS/99

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

Eco-Tech
LABORATORIES LTD.

ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 6T4
Phone (250) 573-5700 Fax (250) 573-4557
email: ecotech@mail.wkpowerlink.com

CERTIFICATE OF ASSAY AK 99-252

RIO ALGOM EXPLORATION LTD.
900-409 GRANVILLE STREET
VANCOUVER, BC
V6C 1T2

23-Jul-99

ATTENTION: SIG WEIDNER

No. of samples received: 29
Sample type: Rock
PROJECT #: 9904
SHIPMENT #: None Given
Samples submitted by: P. Donnelly

ET #.	Tag #		As (%)
22	07422	station A209	1.08

QC DATA:

Standard:

Mpla	0.86

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

XLS/99

TECH ORAT LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

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

ICP CERTIFICATE OF ANALYSIS AK 99-350

RIO ALGOM EXPLORATION LTD.
900-409 GRANVILLE STREET
VANCOUVER, BC
V6C 1T2

ATTENTION: SIG WEIDNER

No. of samples received: 19
Sample type: Rock
PROJECT #: 9905
SHIPMENT #: None Given
Samples submitted by: P. Donnelly

Values in ppm unless otherwise reported

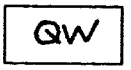
station

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	7430 Δ204	5	<0.2	1.01	10	80	<5	0.07	<1	4	63	24	2.05	20	0.42	256	<1	0.02	4	370	14	<5	<20	17	0.10	<10	14	<10	41	21
2	7431 166	<5	<0.2	1.04	<5	120	5	0.15	<1	6	64	15	2.03	<10	0.41	208	<1	0.01	6	690	10	<5	<20	1	0.10	<10	12	<10	26	36
3	7432 166	5	<0.2	1.76	<5	85	5	0.20	<1	14	107	29	3.04	10	1.37	677	<1	0.05	18	500	24	<5	<20	<1	0.16	<10	45	<10	35	249
4																														
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12	7441 Δ198	<5	<0.2	0.67	10	50	<5	0.08	<1	4	49	3	1.25	<10	0.17	92	2	<0.01	7	360	6	<5	<20	<1	0.05	<10	7	<10	45	9
13	~~7442~~	~~<5~~	~~<0.2~~	~~1.42~~	~~<5~~	~~160~~	~~<5~~	~~0.19~~	~~<1~~	~~8~~	~~98~~	~~3~~	~~2.67~~	~~<10~~	~~0.70~~	~~414~~	~~<1~~	~~0.01~~	~~6~~	~~270~~	~~6~~	~~<5~~	~~<20~~	~~<1~~	~~0.12~~	~~<10~~	~~20~~	~~<10~~	~~20~~	~~19~~
14	7443 Δ270	<5	<0.2	0.29	<5	20	<5	0.03	<1	3	117	21	1.03	20	0.04	153	5	<0.01	9	180	<2	<5	<20	<1	0.03	<10	2	<10	69	8
15	7444 271	<5	<0.2	0.79	<5	90	<5	0.03	<1	4	71	26	1.82	<10	0.38	151	<1	0.02	4	510	4	<5	<20	<1	0.09	<10	10	<10	20	12
16	7445 270	<5	<0.2	1.09	<5	75	<5	0.09	<1	4	104	11	1.76	10	0.43	328	2	0.03	5	290	10	<5	<20	6	0.12	<10	18	<10	23	30
17	7446 273	<5	<0.2	1.38	<5	105	10	0.04	<1	8	114	75	2.43	<10	0.71	442	<1	0.03	7	70	10	<5	<20	<1	0.16	<10	24	<10	9	52
18	7447 274	<5	<0.2	1.20	<5	95	10	0.08	<1	8	93	9	2.36	10	0.46	401	<1	0.02	9	460	14	<5	<20	2	0.17	<10	18	<10	27	43
19	7448 276	<5	0.2	0.48	<5	30	<5	0.10	<1	6	118	31	1.19	10	0.11	139	2	0.03	13	240	16	<5	<20	4	0.05	<10	3	<10	45	14

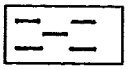
APPENDIX VI

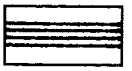
Diamond Drill Log

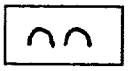
Legend for Graphic Drill Log



Quartz Wacke


Thin-bedded quartzitic wacke, siltstone

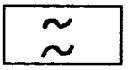

Laminated siltstone

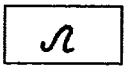

Disturbed bedding

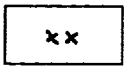

Fragmental


Mudchips, isolated fragments

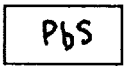

Fault gouge zone


Fault –fracture zone, bedding destroyed or disrupted

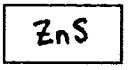

Tightly folded beds



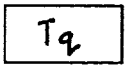
Disseminated pyrrhotite concentrated in bed



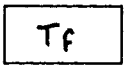
Galena in vein



Sphalerite in vein



Tourmaline in vein



Tourmalinized mudchip or fragment

Alteration

Chl	chlorite
Ser	sericite
Bt	biotite
Cc	calcite crystals
SiO2	silica, quartz
Po	pyrrhotite disseminated
Py	pyrite disseminated

wk	weak
mod	moderate
str	strong

RIO ALGOM EXPLORATION INC.

PROPERTY YAHK | Start Date Oct 12, 1999 | RC ____ m to ____ m | Grid E/W ____ | UTM E 575500 | Test 167 M, -72° . Az 291 | Page 1 Of 42

DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION			ASSAY INTERVAL							
m	LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	COMMENTS	From	To	m	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/
0												Collar – 7.62 Casing **7.62 – 126.5m A2** Thin bedded, rarely medium bedded, fine to medium grained, biotite								
												rich quartzite wacke, subwacke/wacke, siltstone. Rare quartz wacke. Laminated siltstone/ very thinly	7.62	9.62	2	07601				
												bedded siltstone/wacke alternates with poorly bedded quartzite wacke, mottled, with abundant small concretions (biotite, chlorite, sericite, garnet, calcite, quartz, feldspar	9.62	11.0	1.38	07602				
												(?)). Some larger "concretions" are flattened parallel to bedding, and resemble beds in core. Biotite flakes common throughout all lithologies. Chlorite is common on fractures, also in								
			7.62									wisps and lenses parallel to foliation and/or foliation-parallel fractures. Coarse sericite mainly in fractures and concretions. In upper section of hole, small pink								
			11.0	chl	wk-mod							garnets are fairly common in specific thin beds, more rarely broadly disseminated, and ubiquitous and usually coarser grained (to 4 mm) in "concretions." Bedding planes in thin								
				chl	wk							bedded units are generally sharp, sometimes gradational, local cross bedding and parallel laminations. In quartzite wackes, bedding is often less distinct. Rock overall								
				chl	wk							(siltstone and wacke) is quite soft, concretions and some fragments (or mud chips) are harder. Pyrite is predominant, sulphide in fractures, veinlets. Not much disseminated.								
				bt	wk							Quartzite wacke beds commonly have patchy or spotted chlorite alteration, although this is partly fracture (foliation?) controlled. Hairline fractures to 2-3 mm veinlets of quartz chlorite±								
												clay, sericite, calcite, pyrite in various orientations, 15-90° to CA. 7.62 – 8.6m – Poor recovery, broken core, rubble 13.95m – a mudchip	22	23.5	1.5	07603				
												From 13.8m – Less chlorite altered, green colour; more brownish due to biotite. 19.6m – biotite rich hoard concretions with faint reaction rims.								
15																				

RIO ALGOM EXPLORATION INC.

PROPERTY YAHK | Start Date Oct 12, 1999 | RC ____ m to ____ m | Grid E/W ____ | UTM E 575500 | Test 167 M, -72°, Az 291 | Page 2 Of 42

DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70°, Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76, Az 314 | Date Logged Oct 13 – 28, 1999

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION			ASSAY INTERVAL							
LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	7.62 – 126.5M A2, CONTINUED	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
											20 – 23m Several thin chlorite gouges 35-85° to CA. 20.2m – a few small biotite-rich fragments.								
											20.75 – 21m <70% recovery, broken core. Abundant chlorite-clay fractures, slight gouge, pyrite. Main one at 50°.								
											23.7 – 24m Several chlorite-biotite conc. (fragment?) 1-4 cm, some with reaction rims.								

RIO ALGOM EXPLORATION INC.

PROPERTY YAHK | Start Date Oct 12, 1999 | RC ____ m to ____ m | Grid E/W ____ | UTM E 575500 | Test 167 M, -72° . Az 291 | Page 3 Of 42

DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° | 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999

m	LITH	PRIMARY FABRIC TYPE	PRIMARY FABRIC (m)	ALTERATION TYPE	ALTERATION INT	ALTERATION (m)	STRUCTURE TYPE	STRUCTURE ANG	STRUCTURE (m)	MINERALIZATION TYPE	MINERALIZATION %	COMMENTS	ASSAY INTERVAL From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
25												**7.62 – 126.5M AZ CONTINUED**									
	A_2 Qw											25.6m A hard biotite-rich concretion with garnet 27.15 – 27.35 A tan coloured (bleached) siltstone bed with disseminated pyrite, trace	29	30.6	1.6	07604				
												arsenopyrite. 34.5 – 38m Mainly quartzitic wacke and quartz wacke with small biotite-garnet-sericite-	30.6	31.3	0.7	07605				
		S_0		bt chl	wk mod							calcite-quartz "concretions." Local biotchy chlorite alteration. 37.4 – 38.5m Several large concretions, or beds, with reaction rims. Harder than	31.3	33.3	2	07606				
												surrounding rock. 38.6 – 40.7m A fine laminated siltstone with garnet, disseminated pyrite, and few very	33.3	34.4	1.1	07607				
	Qw	py	38.5	chl	wk							thin gouge seams parallel to bedding. 80° to CA. 40.7 – 41.8m Thin to medium bedded quartz, quartzitic wacke, biotitic with garnets								
			39									disseminated in chloritic, finer grained beds. 42m A few small fragments. From 42.2 – 42.7 Broken core recovery approx. 60%.								
	Qw	py	40.3 41.8	chl	wk							42.85 – 43.2m A bleached, soft, olive-tan siltstone. From 45m Thin bedded, "muddy" again with harder sporadic "conc." Garnets in concretions	44.4	45.4	1	07608				
				chl	wk							and disseminated in beds. 44m A dark grey mudchip. 46.5 Slightly disturbed bedding plus a few small albitized (?) fragments.								
												47.5 – 78m Several garnet bearing concretions (with biotite, sericite, chlorite). 49.1 – 49.3m A few small mud chips, fragments and slightly disturbed primary fabric.								
		S_0		chl	wk							49.3 – 49.4m A garnet bearing concretion (or bed).								
50																				

RIO ALGOM EXPLORATION INC.

PROPERTY YAHK | Start Date Oct 12, 1999 | RC ____ m to ____ m | Grid E/W _____ | UTM E 575500 | Test 167 M, -72° . Az 291 | Page 4 Of 42

DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S _____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	49.6 – 51m More small mud chips, dark grey-black, harder than matrix, possibly tourminalized, bedding very slightly disturbed.	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t

RIO ALGOM EXPLORATION INC.

PROPERTY YAHK | Start Date Oct 12, 1999 | RC ____ m to ____ m | Grid E/W ____ | UTM E 575500 | Test 167 M, -72° . Az 291 | Page 5 Of 42

DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999

m	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
	LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%		From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
50		py										**7.62 – 126.5M A2, CONTINUED** 50.7 – 51m Light brown-grey siltstone with disseminated garnet. Some disseminated pyrite clots, locally with chlorite rims (as at 50.8). 51.4m A small tourmalinized (?) fragment.								
	Tf	S_0										52 – 52.6m Possible tourmalinized (dark grey, hard) concretions and possible tourmalinized beds. Down hole, see many more dark grey to black, biotite, chlorite, garnet, calcite,								
	A_2			chl	wk-mod							sericite, quartz, pyrite concretions, harder than surrounding rock, generally have contacts parallel to bedding. Also very small ones with distinct reaction rims.	61.6	63.6	2	07609				
	F_2		59.9									53.1 – 53.3m Broken core, chloritic alteration, broken and disrupted quartz veins. 53.65m Black mudchip (fragment?) with 'reaction rim' also mudchip at 55.7m.	63.6	65.6	2	07610				
	qw		61.6									58.4 – 58.8m Broken core, chlorite alteration, broken and disrupted quartz veins. 58.9m A 5 cm quartz pyrite chlorite calcite vein with trace chalcopyrite. Footwall is slightly	65.6	67.6	2	07611				
	Tf	S_0										sheared, fractured, some gouges. Milled quartz (vein) fragments in chlorite matrix. Likely a fault zone. Footwall is 40° to CA.	67.6	69.6	2	07612				
												61.6 – 74.3m More silty material, more thinly bedded. 63.9m A few small tourmalinized mud chips, more very small mud chips at 65.8m	69.6	71.6	2	07613				
												68.3 – 68.5m A light brown-tan siltstone/mudstone with disseminated garnets with chlorite rims. 69.55m Dark grey mud chip.	71.6	73.6	2	07614				
				bt	mod							70.8 – 71.6m Bedding is thin, wispy, lensoidal, "pinch and swell." 71.6 – 72m A coarse biotite (+ chlorite, garnet) zone below & chloritic shear. Zone has	73.6	74.3	0.7	07615				
	Pbs	S_0		chl	mod							disrupted bedding and vein material. Some biotite clots with white (albitized?) rims. Footwall contact at 75° parallel to primary fabric. Possibly a healed fault zone								
75			74.3																	

RIO ALGOM EXPLORATION INC.

PROPERTY YAHK | Start Date Oct 12, 1999 | RC ____ m to ____ m | Grid E/W ____ | UTM E 575500 | Test 167 M, -72° . Az 291 | Page 6 Of 42

DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	**Continued from page 5 50-75m**	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm
											72.5m Irregular pyrite-quartz-galena wisps and veinlets in area of disturbed bedding, or possibly a concretion.								
											73.25 Rubbly broken core, many chlorite-calcite fractures.								
											From 74.3m Mainly quartzitic wacke, still fine-grained wacke, some siltstone, maybe a 65:35 ratio of wacke:siltstone.								

RIO ALGOM EXPLORATION INC.

PROPERTY YAHK | Start Date Oct 12, 1999 | RC ____ m to ____ m | Grid E/W ____ | UTM E 575500 | Test 167 M, -72° . Az 291 | Page 7 Of 42

DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999

m	LITH	PRIMARY FABRIC TYPE	PRIMARY FABRIC (m)	ALTERATION TYPE	ALTERATION INT	ALTERATION (m)	STRUCTURE TYPE	STRUCTURE ANG	STRUCTURE (m)	MINERALIZATION TYPE	MINERALIZATION %	COMMENTS	ASSAY INTERVAL From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
75												**7.62 – 126.5M A2, CONTINUED**									
		S_0		chl ser ser	wk wk wk							75.3m Mud chip, chloritic fragments (?) at 76.1 75.85m A pyrite-biotite rich concretion with chlorite-sericite-quartz-calcite and definite									
												reaction rims. 78 m A chlorite-pyrite lens or possibly fragment with trace chalcopyrite.									
												78.5 – 78.6m A few small fragments, mud chips. Also at 79.6m. At 80m a small ovoid fairly hard fragment. More at 80.45 – 80.65. Bedding slightly disturbed from 79.5 to 81.5m.									
	A_2											87-89m Several dark grey, hard concretions, lots of garnet. 89 – 89.6m A few fragments, mud chips.									
		S_0		chl	wk							89.9m A 10 cm wide zone ~80° to CA of coarse biotite, pyrite with garnet, chlorite, calcite, galena, and bleached margins. Mineralogy suggests a conc.	89	90.8	1.8	07651				
	Pbs		90.8									90.8 – 91.8m Thin lensoidal, wavy bedding. From 90.5 – 93.2, mostly thin bedded (distinctly) and silty.	90.8	92.3	1.5	07616				
												93.5 – 93.8m Disturbed bedding. 94.8 – 95.3m Scattered mud chips and fragments.	92.3	93.5	0.8	07617				
												95.6m Small pyritic concretions. 98.1 – 98.45m Disseminated garnet in biotchy chlorite altered rock.								
		S_0		chl	wk															
100																				

RIO ALGOM EXPLORATION INC.

PROPERTY YAHK | Start Date Oct 12, 1999 | RC ____ m to ____ m | Grid E/W ____ | UTM E 575500 | Test 167 M, -72° . Az 291 | Page 8 Of 42

DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999

m	LITH	PRIMARY FABRIC TYPE	(m)	ALTERATION TYPE	INT	(m)	STRUCTURE TYPE	ANG	(m)	MINERALIZATION TYPE	%	COMMENTS	ASSAY INTERVAL From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
100				cc	wk							**7.62 – 126.5M A2, CONTINUED** Small mud chips, also at 101.5 – 101.7m From 100 – 104m Mostly fine grained thin bedded quartzitic wacke, siltstone.								
	T_F?											102.5 – 102.9m Some dark grey thin primary fabric-parallel lenses, very hard, tourmalinized? (also at 106.6).	100	102	2	07618				
	T_F S_0 A_2		104	cc	wk							105.2m Slightly disturbed bedding, at 105.4, two small fragments. A few black mud chips/fragments at 106.05, possibly tourmalinized.	102	104	2	07619				
	PbS		109									108.9m A biotite, garnet, calcite, chlorite, pyrite and trace galena conc., 10 cm wide, parallel to bedding.	109	110.5	1.5	07120				
			112	cc	wk							From 109 – 112m Broken core, bleached, many fractures, some at 452 to CA. 115.8 – 117m A big "concretion" with indistinct contacts, but coarse sericite, biotite, garnets	110.5	112	1.5	07121				
												and biotchy chlorite alteration. 117 – 117.2m Slightly disturbed bedding, a few fragments.								
	S_0											117.5m Beneath chloritic shear at 65° to CA is small biotite, calcite, sericite, garnet "concretion" with pyrite and trace galena.								
	PbS		119	chl	wk							From 118 – 120.5m Many dark grey, biotite rich, garnet bearing concretions with sericite, chlorite, patchy pyrite and cut by chlorite fractures 20-40° to CA.								
												121 – 121.3m Slightly disturbed bedding, also at 121.8 – 122m and 123.1 with a few fragments 122.7 – 123m Several thin bedding-parallel laminae of pyrite, rimmed by fine								
												dark biotite, <1 mm thick. 123.8 – 123.9m Disturbed bedding.								
	py S_1 S_0 py			cc	wk							123.9 – 124.05m A medium grey quartzitic wacke with disseminated pyrite, calcite crystals.								
125																				

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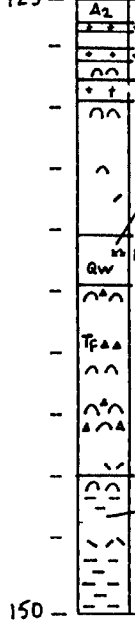
PROPERTY YAHK | Start Date Oct 12, 1999 | RC ____ m to ____ m | Grid E/W ____ | UTM E 575500 | Test 167 M, -72° . Az 291 | Page 9 Of 42

DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° | 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999



PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%		From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/
										7.62 – 126.5M A2, CONTINUED 125.5m Disseminated garnets in dark grey quartzitic wacke, also at 136m. 125.8 m A chlorite (+ possibly tremolite?) epidote, quartz,								
										calcite, biotite concretion with "reaction rim." Similar "concretions" at 126.2 and 126.4m. (tremolite?, chlorite, quartz, calcite with a bit of pyrite, coarse biotite).								
										126.3m Pinkish biotitic foliated rock, possibly hosts fine zinc sulphide (?) also at 128.8m. **126.5 – 126.8m GABBRO(?)** biotite, chlorite, fine grained rock.								
										126.8 – 127.3M A2 127.3 – 127.7m Biotite chlorite rock, transitional contact to gabbro (or altered margin of gabbro).								
										127.7 – 128.3m Gabbro, fine grained, biotite-chlorite altered. Cut by lots of "ghosty" fractures 75° to parallel to CA, chlorite + calcite ± quartz/. 10 cm disturbed bedding on								
										footwall. Hanging wall is gradational. **128.3 – 128.85M A2**								
										128.85 – 129.5m Gabbro (?) biotite-chlorite altered "felty" rock, coarse whitish tan spots (probably calcite after feldspar).	142.8	143.15	0.35	07653				
										129.55 – 163.1M A2 129.55 – 130.1m Disturbed bedding. From 130.4 – 133.1, very slightly disturbed or ill-	145.4	146.4	1	07622				
										defined bedding. 133.4m – A small mud chip, ellipsoidal, an elongate mud chip at 134.4m.	146.4	147	0.6	07623				
										134.95 – 135.3m Small, pyritized fragments, also from 135.7 – 135.8m 1-3% pyrite in disseminated clots (perhaps conc. or fragments).	147	149	2	07624				
										137.4 – 138m Disturbed bedding, small grey fragments quite common, Chlorite on fractures 15 to 25° to CA. or foliation at 50-65° to core axis.	149	150	1	07625				

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PROPERTY YAHK | Start Date Oct 12, 1999 | RC ____ m to ____ m | Grid E/W ____ | UTM E 575500 | Test 167 M, -72° . Az 291 | Page 10 Of 42

DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	**Continued from Pg 9 125 – 150m**	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
											Small fragments at 139.25 – 139.6 m dark grey, hard, tourmalinized, mostly elongate parallel to primary fabric.								
											140.5m A 6 cm concretion with coarse biotite, pyrite with calcite, quartz, garnet and sericite. 141.4 – 141.7m Laminated siltstone with disturbed bedding.								
											142.1 – 142.35m Sparse biotite altered fragments? 142.4 –142.55m Disturbed bedding, abundant fragments, some hard.								
											Also at 142.75 - 143.05m in a silty bed, and smaller fragments continue to 143.7m into quartzitic wacke bed.								
											144 m A couple of small pyritized fragments, 2 larger "mudchips" at 144.25m. Chloritized mud chip at 145m.								
											145.2m 8 cm broken core, abundant chloritic fractures. Slight gouge @ 85° to CA. 145.4 – 147m Very slightly disturbed bedding, a few sparse mud chips/fragments.	142.8	143.15	0.35	07653				
											145.9 – 146.2m Scattered pyrite-rich, dark grey, hard fragments (pyritized mud chips?) 146.9 – 147m Quite a few mudchips.								
											From 145 – 150 m, mainly fine grained, brown biotite-rich wacke (some massive to laminated) and a little siltsone. Laminated wacke from 147.3 – 149.4m. Some beds with								
											disseminated garnet and coarse sericite. 149.6m An irregular quartz, calcite, chlorite, garnet, biotite, pyrite concretion, or possibly								
											fracture controlled alteration. Indistinct contacts. 149.9 – 150m Broken core, lots of chlorite and calcite fractures.								

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PROPERTY YAHK | Start Date Oct 12, 1999 | RC ____ m to ____ m | Grid E/W ____ | UTM E 575500 | Test 167 M, -72° . Az 291 | Page 11 Of 42

DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999

m	LITH	PRIMARY FABRIC TYPE	PRIMARY FABRIC (m)	ALTERATION TYPE	ALTERATION INT	ALTERATION (m)	STRUCTURE TYPE	STRUCTURE ANG	STRUCTURE (m)	MINERALIZATION TYPE	MINERALIZATION %	COMMENTS	ASSAY INTERVAL From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
150												**129.5 – 163.1M A2, CONTINUED**									
	A_2			cc	wk							150.8 – 151m Dark brown-green biotite-chlorite rock. Concretion (?) or altered gabbro? 151.35 – 151.5m Wispy lensoidal bedding, also at 154.6 – 155.								
												151.6m An ovoid mud chip, small dark grey mudchips at 156 - 156.1m. 151.9 – 152.1m Olive brown siltstone with disseminated garnet with chlorite rims.								
			156									152.05m An irregular biotite-calcite fine-grained pyrite concretion or mudchip? From 156 – 160.6m Mainly medium-grained light grey quartz-quartzitic wacke, lots of biotite								
	Qw											but fairly clean, massive. 155.5 – 156m Disseminated garnet in silty beds. 159.3 – 159.5m A few small dark grey fragments.								
		S_1 S_0	160.6	cc	wk							160.93 – 160.97m Broken core – lots of chlorite (clay) fractures. 80° to core axis. 162.8 – 163.1m Coarse biotite-chlorite alteration, spots of light green (relic plagioclase?) -								
			162.1									Transitional contact of gabbro, also at 165.5 – 165.7m on footwall. **163.1 – 165.5M GABBRO.**								
	gb		165.5	chl, bt	wk-mod							HW contact slightly bleached, gradational then into fine grained with acicular hornblende phenos 2-3 mm. Slightly coarser grained at 164-165m. Here also								
		S_0		bt	wk							see some subhedral plag. laths. Non-magnetic, relatively weak chlorite-biotite alteration. **165.5 – 169.2M A2**								
	gb		169.2 170.8	bt, chl	mod							166.25m Light grey mudchip, 166.8 a few small fragments. 168.6 Several small garnet, biotite, calcite, chlorite concretions.								
	Qw	VF2		ser	wk							**169.2 – 170.8M GABBRO** – transitional HW contact is biotite rich with tiny hornblende needles. Relatively fine-grained, non-magnetic FW contact – IP S_0 is more sharp.								
175																				

RIO ALGOM EXPLORATION INC.

PROPERTY YAHK | Start Date Oct 12, 1999 | RC ____ m to ____ m | Grid E/W ____ | UTM E 575500 | Test 167 M, -72° . Az 291 | Page 12 Of 42

DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	Continued from Pg 11 150 – 175m	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
											170.8 – 264.1M A2								
											171.5 – 172m Broken core, 50% recovery. Same at 172.8 – 173. From 170.8m (below gabbro) to 175.8 mostly fine-medium grained light grey quartz wacke,								
											quartzitic wacke, quite clean but quite a bit of biotite. 172.45m A couple of small fragments.								
											173.25m 75° chlorite clay graphite gouge 1.5 cm wide with milled fragments 1.5 cm wide. FW is healed 8 cm fault breccia, chloritized fault zone.								
											173.6 – 173.7m Some disseminated pyrite blebs, approx. 1%.								

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PROPERTY YAHK | Start Date Oct 12, 1999 | RC ____ m to ____ m | Grid E/W ____ | UTM E 575500 | Test 167 M, -72° . Az 291 | Page 13 Of 42

DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999

m	LITH	PRIMARY FABRIC TYPE	PRIMARY FABRIC (m)	ALTERATION TYPE	ALTERATION INT	ALTERATION (m)	STRUCTURE TYPE	STRUCTURE ANG	STRUCTURE (m)	MINERALIZATION TYPE	MINERALIZATION %	COMMENTS	ASSAY INTERVAL From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
175												**170.8 – 264.1M A2 CONTINUED**									
												From 179m to 188m, mainly light grey quartz wacke (as 170.8 –175.8m) 176.85m Disturbed S_o, also 177.2 – 177.4m and 185.7m and 187.4 – 187.5								
												177.6m Many small black fragments (biotitic mudchips in 2 cm bed), also at 178.2m. 179.5m A couple of small, flat mud chips.								
												185.5 – 187.5m Several dark grey-black concretions, very hard, tourmalinized 186.65 – 187.1m Small clots of biotite-pyrite, altered fragments (pyritized).								
												188 – 188.2m Slightly disturbed S_o, mud chip at 188.2 and at 188.65. 189.3m Biotite-pyrite fragments.								
												From 188 – 193.6m Mainly thin bedded biotite wacke siltstone, except for abundant hard dark grey concretions (garnet, biotite, etc).	188	190	2	07626				
												192.7m <10 cm slightly disturbed bedding. Also disturbed at 193.4 – 193.6m 194.3m Chlorite-pyrite fragments, a few small fragments at 194.5 – 194.6m	190	192	2	07627				
												194.95m Small black tourmalinized mud chip, another mud chip at 198.9m. From 194 – 198.2m Dominantly quartz wacke, slight sericite and chlorite alteration.	192	193.6	1.6	07528				
												From 199 – 203.5m, lots of chlorite-calcite-pyrite fractures, veinlets, 40-85° to CA. Rock is bleached, softer.								
200																				

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PROPERTY YAHK | Start Date Oct 12, 1999 | RC ____ m to ____ m | Grid E/W ____ | UTM E 575500 | Test 167 M, -72° . Az 291 | Page 14 Of 42

DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° | 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999

m	LITH	PRIMARY FABRIC TYPE	PRIMARY FABRIC (m)	ALTERATION TYPE	ALTERATION INT	ALTERATION (m)	STRUCTURE TYPE	STRUCTURE ANG	STRUCTURE (m)	MINERALIZATION TYPE	MINERALIZATION %	COMMENTS	ASSAY INTERVAL From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
200												**170.8 – 264.1M A2 CONTINUED**									
	A2											204.15m A tourmalinized ovoid mudchip, small tourmalinized chips at 206.3m 204.45m A probable fault zone, chlorite shear, some breccia, slight bleaching.								
	Tf		204.45									206.4 – 206.5m A few small fragments, chloritized, irregular shape. From 209.7 – 224m Mainly quartzitic wacke, quartz wacke, still thin bedded, biotitic, not								
	Tf	S_o										really clean, but no siltstone or laminated fine-grained wackes.								
				cc	wk							213.15 – 213.4m Fragmental small dark chloritic fragments. Also 219.6 – 219.8m								
				bt	wk							213.4m A grey mudchip, also at 213.85.								
			209.5									213.7m Very slightly disturbed bedding.								
	GW											215.2m 2 small fragments and some pyritized fragmentals, also 215.4 – 215.8								
	A4											215.64 – 215.75m A "concretion" with biotite, calcite, quartz, garnet, chlorite, tremolite(?)								
										py in fractures concretions		and pyrrhotite. First time see pyrrhotite rather than pyrite.								
										first po in concretion		217m A tourmalinized (?) mud chip.								
	Tf			ser	wk							From 224 – 229m Mainly thin-bedded, biotite-rich siltstone, fine-grained wacke, laminated locally. 224.6 – 226.1m in particular resembles a "mud package."								
				chl	wk															
				ser	wk															
				ser	wk															
		S_o											224	224.5	0.5	007629				
			224										224.5	226.5	2	007630				
225																				

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PROPERTY YAHK | Start Date Oct 12, 1999 | RC ____ m to ____ m | Grid E/W ____ | UTM E 575500 | Test 167 M, -72° . Az 291 | Page 15 Of 42

DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999

m	LITH	PRIMARY FABRIC TYPE	PRIMARY FABRIC (m)	ALTERATION TYPE	ALTERATION INT	ALTERATION (m)	STRUCTURE TYPE	STRUCTURE ANG	STRUCTURE (m)	MINERALIZATION TYPE	MINERALIZATION %	COMMENTS	ASSAY INTERVAL From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
225												**170.8 – 264.1M A2 CONTINUED**									
		S_0		bt	wk-mod							226.4m Disturbed bedding, also at 229.5 – 230.1 and 232.6 – 232.85. 232.05 – 233.2m Disturbed bedding, some small fragments, some with biotite rims.	226.5	228.5	2	07631				
			229									233.75 – 234 m Disturbed bedding 234.4–234.6m A few small fragments, including some hard, black, tourmalinized mudchips.	228.5	229.4	0.9	07632				
		A_2										239m A light grey mud chip. From 237.9 – 243.3m Mostly thin bedded, biotite-rich wacke, siltstone, quartzitic wacke,								
		T_F	235.9	chl	mod							some "muddy units." 240.7m Possible graphitic laminae parallel to bedding.	237.9	239.9	2	07633				
			237.9									241.5 – 241.6 m Disturbed bedding, also at 249 – 249.6 m. 246.2m A light grey mudchip, chlorite-biotite fragments at 246.8m, mudchip at 247.4m	239.9	241.9	2	07634				
		S_0		cc	wk							246.6m A coarse grained biotite-chlorite concretion (?) with reaction rim.	241.9	243.3	1.4	07635				
			243.3	chl	wk-mod							248.65 – 248.7m A few small indistinct fragments. 249.4m Possibly tourmalinized mudchip.								
				cc	wk															
		S_0 S_1																		
250		T_C																		

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DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999

m	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
	LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	**170.8 – 264.1M A2 CONTINUED**	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
250												251.8m A 6 cm wide coarse biotite-chlorite zone (concretion?), 75° to CA. 251.4 – 251.8 m Wavy, slightly disturbed bedding.	254.8	255.8	1	07638				
	A_2	S_0		chl	wk-mod							253.5m Coarse biotite, chlorite, garnet, tremolite, quartz, calcite (?) concretion at centre of dark grey hard biotite-garnet concretion, or ?	255.8	256.8	1	07639				
				chl	wk							254.5m A small grey mudchip > cave indicated at 255.73m	256.8	258	1.2	07640				
		S_0										255.8 – 257m and 258.2 – 258.7m Bedding difficult to distinguish, mottled. 259.3 – 259.8m Broken core, recovery approx 70%, also 261.05 – 261.15m								
												259.8 – 260m Slightly disturbed bedding. From 262.5 – 264m, bedding not seen, mottled, fuzzy chlorite fractures.	264	266.8	2.8	07652				
				chl	wk							**264.1 – 266.4m GABBRO** Fine grained, green chloritic altered, non-magnetic, distinct hornblende needles from 264.3m, medium-grained from 264.6 – 266 m. Fine								
	gb		264.1	bt, chl	mod															
			266.4	chl	wk-mod							grained footwall margin from 266.2m, transitional to sediments (fine-grained, chloritic) quartz veins (or quartzose seds) and chloritic rock on footwall contact.								
		S_0										**266.4 – 269.35M A2**								
				bt	wk							**269.35 – 272.2 m GABBRO** transitional HW contact to fine-grained chloritic gabbro.								
			269.35	chl	mod															
	gb											Medium grained from 270 – 271.8m. footwall contact gradational. Fine quartz & chlorite, calcite fractures. **272.2 – 276.3M A2** 272.2 – 274.2m Mottled,								
			272.5																	
				chl	wk							chlorite altered, hard to distinguish bedding. 272.9m Broken core, pyrite-chlorite fractures. From 274.7 – 276.35m Thin bedded biotite wacke, siltstone, laminated units.	274.7	275.7	1	07636				
275			274.2																	

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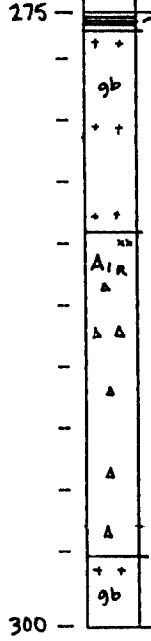
DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999



PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	**272.2 – 276.3M A2 CONTINUED**	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/
S_0	276.3	chl	wk-mod							From 275.7 – 276m Laminite, possible marker material? **276.3 – 281.6M GABBRO.**	275.7	276	0.3	07637				
										HW contact rather sharp, parallel to bedding. Fine grained and chloritic to approx 277.7m. Then medium-grained, equigranular, non-magnetic. Margin	276.8	277.9	1.1	07641				
										from 280 – 281.6m. Gabbroic textures lost, has quartz augen (replacement of fsp?). Also Disseminated pyrite and hornblende completely replaced by chlorite. FW contact is	277.9	278.9	1	07642				
	284.4	bt,chl	mod							gradational, then into chlorite altered mottled and veined quartz wacke. Bedding is difficult to see.	281	282	1	07675				
										281.6 – 284.4M A2 281.8m See pyrrhotite (with pyrite) in quartz vein. 282.8 – 284m Possible concretions (or disturbed beds), xxx chl. In quartzose masses, with	283.4	284.4	1	07648				
		chl	wk							biotite, garnet, pyrite **FROM 284.4 – 29 .8M FRAGMENTAL? – A_{1R}**	284.4	285.4	1	07649				
										Essentially biotitic fine-medium grained quartz wacke, quartzitic wacke, clean, relatively homogeneous, medium (or thick?) bedded, bedding	286	287	1	07654				
										Planes not commonly seen, if at all. Light grey, a few small fragments scattered throughout. By 285m the rock is quite hard. This may be A1R. Fragments have fuzzy	292	294	2	07557				
	297.75	chl, albite, epidote	wk-mod							contacts mostly from 285.5 – 288m, very sparse below this. Occasional fragments are pyritized.	297.4	297.75	0.35	07656				
										Massive nature and sparse biotized and locally pyritized fragments indicate this could be fragmental.								

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DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	**Continued from Page 17 275 – 300m**	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
											From 289.3 – 289.5m Broken core, chlorite fractures. 291.8m An irregular biotite quartz calcite pyrite concretion, also at 294.7								
											292.6 – 292.7m Several small concretions (as above). 296.8m Still quartz wacke, starting chloritic altered. 297.3 – 297.75m rock is bleached,								
											chlorite, silica, epidote altered, textures destroyed from 297.4. Hard rock, lots of fractures.								
											297.75 – 337.37M GABBRO.								

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DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999

m	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
	LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	297.75 – 337.37M GABBRO	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
300	gb			bt	wk							Gabbro: gradational contact on HW. Gabbro is fine grained, green with local bleached zones. Fine grained to 298.5m, coarse grained by 306.5m. Whitish feldspar phenocryst								
	+											"spots" from 306 – 323m. Chlorite, quartz ± calcite, epidote pyrite fractures at various orientations.								
	+											300.35m Disseminated pyrrhotite clots. 311.9m Broken core, chlorite-epidote alteration.								
												From 323m, gabbro becomes more bleached, light green colour, more broken core. By 324.8m, gabbroic texture hard to see, see needles of hornblende (chloritized), possibly								
												secondary tremolite-actinolite, lots of fine fractures (chlorite, pyrite, calcite, quartz, etc.), white spots (altered feldspar phenocrysts). Many fractures at 15-20° to CA.								
													324.8	325.8	1	07643				
325	gb																			

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PROPERTY YAHK | Start Date Oct 12, 1999 | RC ____ m to ____ m | Grid E/W ____ | UTM E 575500 | Test 167 M, -72° . Az 291 | Page 20 Of 42

DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999

m	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
	LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	297.75 – 337.37M GABBRO CONTINUED	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
325	gb	S_1										- Bleaching alteration very strong by 329.5m, most fractures at 20°-30° - From 330m, core broken, recovery poor, hard to tell gabbro except small needles of								
				chl, Epidote SiO_2	str							altered (or secondary) hornblende, mottled epidote-chlorite-silica-albite. - From 332.8 – 333.4m, recovery 40%								
		FZ	333.37									**333.37M FAULT ZONE** Black chlorite-graphite fault gouge with angular brecciated fragments, 20 – 30 cm thick, poor								
				albite	mod. str							recovery, soft, shears at 15° to CA. 337.37 – 369m A1 (R)? Albite altered quartz wacke or possibly fragmental unit . FW to								
	A_{1R}											fault zone is extremely broken, rubbly, light grey to greenish-grey fine to medium grained quartz wacke. Rock is hard (silicified, albitized) but highly fractured and mottled. Bedding								
												cannot be identified. Fractures mostly sericite-clay-quartz, mainly 10-60° to CA, very few chlorite or pyrite fractures until about 355m.								
												335.9 – 341.4m recovery approx. 30-40%. Quartz wacke is not biotitic. From 342m start to see some chlorite on fractures (with coarse sericite), then pyrite on fractures from 344.5m.	344	346	2	07650				
												348.5 – 356m very rubbly broken core again.								
350																				

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DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999

m	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
	LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	337.37 – 369M A1R? OR ALBITIZED FRAGMENTAL	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
350												351.74 – 362m Broken core, poor recovery, 20-40% estimate. 352m a bit of quartz-chlorite-pyrite-clay breccia								
	A_{1R}											359.9m Small chlorite-epidote (?) altered fragments. From 361m, see more pyrite, chlorite in fractures.								
				ser, chl	wk							**369 – 384.8M A1R WACKE OR FRAGMENTAL UNIT?** Somewhat gradational change from light grey tan quartz wacke above to medium grey-								
	Δ											brown to grey-green biotitic quartzitic wake /subwacke. Rock is quite hard, core is solid. Fabric is massive, mottled with medium to coarse grained biotite and chlorite flakes, no								
												bedding seen by locally a weak foliation, often parallel to fractures. Dominantly, chlorite, calcite, clay fractures, mostly 25-75° to CA.								
			369																	
	A_{1R}	S_1		bt, chl	wk, mod															
		S_1																		
375																				

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DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999

m	LITH	PRIMARY FABRIC TYPE	PRIMARY FABRIC (m)	ALTERATION TYPE	ALTERATION INT	ALTERATION (m)	STRUCTURE TYPE	STRUCTURE ANG	STRUCTURE (m)	MINERALIZATION TYPE	MINERALIZATION %	COMMENTS	ASSAY INTERVAL From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
375	S_1 / A_{1R}			bt, chl	wk-mod							A1R WACKE OR FRAGMENTAL, 369 – 384.8M, CONTINUED								
												384.5m Rock is bleached, gradational to contact at:								
												384.8 – 414.6M GRADATIONAL HW CONTACT TO LIGHT TAN GREY, ALBITIZED FRAGMENTAL (?) OR POSSIBLE FINE-GRAINED QUARTZ WACKE (A1R).	377.1	378.1	1	07644				
												Fine to medium grained, massive, not bedded, quartz wacke(similar to interval 333.4 – 369m). Rock is mostly quite hard, albitized. Chlorite and quartz on some fractures and								
			394.9									veins. Sericite/clay and possibly chlorite flakes/laths seen in ground mass, with interstitial quartz. Does not really look like clastic texture, but sericite,	385	386	1	07655				
												clay laths could be metamorphic/alteration overgrowths. Locally, there are angular to subrounded quartzitic fragments, up to 1 cm. Fragments quite common from 386-391 m.								
				albite	med-str							A slight greenish hue from 390m – epidote-chlorite-sericite-albite altered. From 390 – 394m looks less like sediment, more like altered gabbro? Or ?								
				chl, epidote	wk								395.5	396.3	0.8	07645				
	A_{1R}																			
400																				

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DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999

m	LITH	PRIMARY FABRIC TYPE	PRIMARY FABRIC (m)	ALTERATION TYPE	ALTERATION INT	ALTERATION (m)	STRUCTURE TYPE	STRUCTURE ANG	STRUCTURE (m)	MINERALIZATION TYPE	MINERALIZATION %	COMMENTS	ASSAY INTERVAL From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
400												**384.8 – 414.6 A1R ALTERED QUARTZ WACKE OR FRAGMENTAL?**								
				albite	mod-str							414.6 – 792.75m Gabbro, altered and possible granophyres. Gradational contact to biotite-chlorite rich, fine to medium grained gabbro, although in places (especially top	403	405	2	07658				
				chl, epidote	wk							internal) looks like wacke. Massive, no bedding apparent. Well developed (biotite-chlorite) foliation developed locally, greenish-grey colour. Core is hard, silicified (?)locally.	405	406	1	07659				
		S_1										Mostly quartz-chlorite pyrite veinlets, chlorite-quartz-calcite fractures mostly 20-70° to CA. Fractures and veinlets often have altered (bleached) envelopes.								
												416 – 419.5m Strong foliation at 40° to CA. 416 – 418m Small quartz veins with pyrrhotite, rather than pyrite. From 418m, looks								
												more like altered gabbro. Quartz veinlets with chalcopyrite also indicate gabbro. **414.6 – 420.5M POSSIBLY GRANOPHYRE.**	414.5	414.9	0.75	07646				
		S_1	414.6	chl	mod							By 427m, good gabbro texture.								
		gph? gb																		
		gb	420.5																	
		S_1																		
425																				

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DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999

m	LITH	PRIMARY FABRIC TYPE	PRIMARY FABRIC (m)	ALTERATION TYPE	ALTERATION INT	ALTERATION (m)	STRUCTURE TYPE	STRUCTURE ANG	STRUCTURE (m)	MINERALIZATION TYPE	MINERALIZATION %	COMMENTS	ASSAY INTERVAL From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
425	gb	fine / medium grained		chl	wk, mod							**414.6 –792.75 GABBRO + GRANOPHYRE, CONTINUED**								
												426.1 – 426.4m A strong (biotite, chlorite) foliation, perhaps sheared at 20° to CA. 426.8 – 427.3m some disseminated clots of pyrrhotite, more pyrrhotite sporadically								
												through gabbro. By 427m the fabric is quite gabbroic, gabbro still altered although medium grained to 447m, then relatively fine grained.								
												447 – 448m Fine grained and dark, with irregular pyrrhotite fractures and disseminated clots.								
													436.1	437.1	1	07647				
	gb			chl, epidote	wk															
													443	445	2	07660				
		medium / fine grained																		
450	gb			bt	wk															

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DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70°, Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76, Az 314 | Date Logged Oct 13 – 28, 1999

m	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
	LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	**414.6 –792.75 GABBRO + GRANOPHYRE, CONTINUED**	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
450	gb											From approx 454m, see very fine needles of calcite (?) in gabbro, randomly oriented, some bent. At 456.5m a 4 cm layer with abundant calcite needles.								
		fine medium gr	aniod	chl, bt	mod							459 – 459.7m Sharp contacts with strongly foliated chloritic rock. HW 50° FW 45°, possibly a shear zone.								
												465.5 – 465.9m 25% recovery, rubble core.								
			459.7	bt	mod															
		medium fine gr	aniod																	
		fine medium gr	aniod																	
475	gb																			

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DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999

m	LITH	PRIMARY FABRIC TYPE	PRIMARY FABRIC (m)	ALTERATION TYPE	ALTERATION INT	ALTERATION (m)	STRUCTURE TYPE	STRUCTURE ANG	STRUCTURE (m)	MINERALIZATION TYPE	MINERALIZATION %	COMMENTS	ASSAY INTERVAL From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
475	gb											**414.6 –792.75 GABBRO + GRANOPHYRE, CONTINUED**								
		medium grained										479.5 – 479.7m A shear, veins of calcite, chlorite, quartz, pyrrhotite trace chalcopyrite. On footwall is 5 cm of healed breccia, sheared, but no clay gouge, 40-60° to CA.								
			479.5-480.05	chl, bt	mod							480.05 – 480.2m Chlorite-calcite shear, gouge, clayey. Fabric destroyed, rock bleached to 480.4m. Probable fault zone.								
	gb																			
		fine medium grained											489.4	491.5	2.1	07661				
				bt, chl	wk, mod															
500	gb																			

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PROPERTY YAHK | Start Date Oct 12, 1999 | RC ____ m to ____ m | Grid E/W ____ | UTM E 575500 | Test 167 M, -72°. Az 291 | Page 27 Of 42

DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70°. Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76. Az 314 | Date Logged Oct 13 – 28, 1999

m	LITH	PRIMARY FABRIC TYPE	PRIMARY FABRIC (m)	ALTERATION TYPE	ALTERATION INT	ALTERATION (m)	STRUCTURE TYPE	STRUCTURE ANG	STRUCTURE (m)	MINERALIZATION TYPE	MINERALIZATION %	COMMENTS	ASSAY INTERVAL From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
500												**414.6 –792.75 GABBRO + POSSIBLE GRANOPHYRE, CONTINUED**								
	gb	medium fine grained		bt-chl	wk-mod							503m Chlorite alteration becomes strong. Gabbro looks more fine grained, also see small needles of amphibole (these may be secondary actinolite/tremolite).								
				chl	str							**507 – 557M POSSIBLE INTERVAL OF GRANOPHYRE OR DOMINANTLY GRANOPHYRE, OR ALTERED GABBRO.**								
				bt	mod															
	gb		507	chl	str								506	507	1	07662				
	gph?			bt	mod															
				cc	wk															
525	gph?																			

RIO ALGOM EXPLORATION INC.

PROPERTY YAHK | Start Date Oct 12, 1999 | RC ____ m to ____ m | Grid E/W ____ | UTM E 575500 | Test 167 M, -72° . Az 291 | Page 28 Of 42

DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999

m	LITH	PRIMARY FABRIC TYPE	PRIMARY FABRIC (m)	ALTERATION TYPE	ALTERATION INT	ALTERATION (m)	STRUCTURE TYPE	STRUCTURE ANG	STRUCTURE (m)	MINERALIZATION TYPE	MINERALIZATION %	COMMENTS	ASSAY INTERVAL From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
525												**414.6 –792.75 GABBRO + POSSIBLE GRANOPHYRE, CONTINUED**								
	gph?											544.7m A rectangular shaped xenoliths. Have seen rare, scattered altered quartzitic xenoliths, mostly above this level.								
				chl	mod															
				chl	mod															
													547	548	1	07663				
550	gph?																			

RIO ALGOM EXPLORATION INC.

PROPERTY YAHK | Start Date Oct 12, 1999 | RC ____ m to ____ m | Grid E/W ____ | UTM E 575500 | Test 167 M, -72° . Az 291 | Page 29 Of 42

DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999

m	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
	LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	**414.6 –792.75 GABBRO + POSSIBLE GRANOPHYRE, CONTINUED**	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
550	gph?			ser	mod							506.4 – 507.6m Lots of coarse-grained clots of pyrrhotite. Pyrite from 507.4 – 507.6m. Little overlap of pyrrhotite, pyrite.								
												568 – 570m Disseminated clots of pyrrhotite.								
			557	chl	str															
	+ + gb			cc	wk															
		S_1																		
				chl, ser	mod															
				cc	wk															
575	gb																			

RIO ALGOM EXPLORATION INC.

PROPERTY YAHK | Start Date Oct 12, 1999 | RC ____ m to ____ m | Grid E/W ____ | UTM E 575500 | Test 167 M, -72° . Az 291 | Page 30 Of 42

DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999

m	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
	LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	414.6 –792.75 GABBRO + POSSIBLE GRANOPHYRE, CONTINUED	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm
575	gb											590.9 Coarse disseminated clots of pyrrhotite.								
													590.5	591.5	1	07664				
600	gb																			

RIO ALGOM EXPLORATION INC.

PROPERTY YAHK | Start Date Oct 12, 1999 | RC ____ m to ____ m | Grid E/W ____ | UTM E 575500 | Test 167 M, -72° . Az 291 | Page 31 Of 42

DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999

m	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
	LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	**414.6 –792.75 GABBRO + POSSIBLE GRANOPHYRE, CONTINUED**	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
600	gb											603.2m A 3 cm long rectangular xenolith?								
												605.85m a 4 cm concretion (?) quartz calcite (?) chlorite, epidote, garnet with chlorite "reaction rim."								
				chl, ser	mod							608.9m A xenolith or vein fragment aligned parallel to CA. 612.5m Quartz-feldspar (?) chlorite subangular xenolith, more xenoliths at 613.8 – 614.2								
			610									616.5m A rounded xenolith. 622.6m Xenolith								
	gph?											**610 – 637M POSSIBLE GRANOPHYRE, OR ALTERED GABBRO.** Very probably granophyre at 634 – 636m.								
				chl	mod								616	617	1	07665				
				ser	mod															
625																				

RIO ALGOM EXPLORATION INC.

PROPERTY YAHK | Start Date Oct 12, 1999 | RC ____ m to ____ m | Grid E/W ____ | UTM E 575500 | Test 167 M, -72°. Az 291 | Page 32 Of 42

DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70°. Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76. Az 314 | Date Logged Oct 13 – 28, 1999

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION			ASSAY INTERVAL							
m LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	COMMENTS	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
625 gph?	S_1										**414.6 –792.75 GABBRO + POSSIBLE GRANOPHYRE, CONTINUED**								
			ser	mod	□						625.75 – 625.8m Two small xenoliths. Also from 627.9 – 633m								
											628.85m Slightly soft, broken core. 631m Trace chalcopyrite in pyrite fractures.								
											From 640 m rock becomes very hard again. 640.5 – 645m A few small white xenoliths, with more small irregular chloritic fragments								
											(xenolithic) or possibly chloritized hornblende agglomerations. –More white xenoliths to 649m.								
		637																	
gb																			
650 gb																			

RIO ALGOM EXPLORATION INC.

PROPERTY YAHK | Start Date Oct 12, 1999 | RC ____ m to ____ m | Grid E/W ____ | UTM E 575500 | Test 167 M, -72° . Az 291 | Page 33 Of 42

DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
m LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	414.6 –792.75 GABBRO + POSSIBLE GRANOPHYRE, CONTINUED	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
650 – gb		651									**651- 678M POSSIBLE GRANOPHYRE, OR ALTERED GABBRO.**								
gph?											More white xenoliths at 651.3m, 651.6m, 654.1m, 654.5m, 656m, 656.3m, 659 – 660m.								
675 – gph?																			

RIO ALGOM EXPLORATION INC.

PROPERTY YAHK | Start Date Oct 12, 1999 | RC ____ m to ____ m | Grid E/W ____ | UTM E 575500 | Test 167 M, -72° . Az 291 | Page 34 Of 42

DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
m LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	**414.6 –792.75 GABBRO + POSSIBLE GRANOPHYRE, CONTINUED**	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
675 – gph?		678									A few white (quartz, feldspar(?), chlorite) xenoliths to 681m. From 680m, trace chalcopyrite is fairly common in quartz-chlorite-pyrite fractures.								
gb + + +											689.4m Possible sphalerite, +chalcopyrite in epidote-chlorite-quartz-calcite fracture-shear with envelope. 60° to CA.								
–																			
–																			
–																			
–																			
–																			
–																			
–																			
–																			
+ + gb 700 –																			

RIO ALGOM EXPLORATION INC.

PROPERTY YAHK | Start Date Oct 12, 1999 | RC ____ m to ____ m | Grid E/W ____ | UTM E 575500 | Test 167 M, -72° . Az 291 | Page 35 Of 42

DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999

m	LITH	PRIMARY FABRIC TYPE	PRIMARY FABRIC (m)	ALTERATION TYPE	ALTERATION INT	ALTERATION (m)	STRUCTURE TYPE	STRUCTURE ANG	STRUCTURE (m)	MINERALIZATION TYPE	MINERALIZATION %	COMMENTS	ASSAY INTERVAL From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
700	gb	S_1		chl,ser	mod							**414.6 –792.75 GABBRO + POSSIBLE GRANOPHYRE, CONTINUED**								
												703.5m Gabbroic textures destroyed, chlorite-biotite-epidote-albite? Clay alteration in envelope of shear vein at 20° to CA.	704.1	704.9	0.8	07666				
		S_1		bt	wk,mod							701.8 – 710m Strong to moderate biotite-chlorite foliation, shear or fault zone related. 35-50° to CA.								
				chl,ser epidote	wk															
				bt	mod								707.4	708.2	0.8	07667				
		S_1		chl,ser	mod															
				bt	mod															
				chl,ser	mod								714.5	715.5	1	07668				
				bt	mod															
				chl	str								715.5	716.5	1	07669				
				bt,chl	mod															
				bt	mod															
		S_1		bt	mod															
725	gb																			

RIO ALGOM EXPLORATION INC.

PROPERTY YAHK | Start Date Oct 12, 1999 | RC ____ m to ____ m | Grid E/W ____ | UTM E 575500 | Test 167 M, -72°. Az 291 | Page 36 Of 42

DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70°. Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76. Az 314 | Date Logged Oct 13 – 28, 1999

		PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
m	UTH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	414.6 –792.75 GABBRO + POSSIBLE GRANOPHYRE, CONTINUED	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
725	gb + +																			
				ser, chl	mod															
750	+ + gb																			

RIO ALGOM EXPLORATION INC.

PROPERTY YAHK | Start Date Oct 12, 1999 | RC ____ m to ____ m | Grid E/W ____ | UTM E 575500 | Test 167 M, -72° . Az 291 | Page 37 Of 42

DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
m LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	**414.6 –792.75 GABBRO + POSSIBLE GRANOPHYRE, CONTINUED**	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
750 – gb ++											From 758m, quite a few disseminated clots of pyrrhotite, with a little associated chalcopyrite. Continues to 768.5m. Chalcopyrite becomes coarser clots at 768.9m.	756	757.6	1.6	07670				
–											770.1 – 770.7m Considerable disseminated pyrrhotite + chalcopyrite clots.	757.6	759.6	2	07671				
–											771.1m Abundant coarse disseminated pyrrhotite, chalcopyrite clots. Pyrite still on fractures. 40-70° to CA.	759.6	761.6	2	07672				
–											772 – 773.3m 8-10% pyrrhotite, chalcopyrite disseminated clots.	761.6	763.6	2	07673				
–												763.6	765.6	2	07674				
–																			
–												769	771	2	07676				
–									diss. cpy.			771	773	2	07677				
–																			
775 – ++ gb												773	775	2	07678				

RIO ALGOM EXPLORATION INC.

PROPERTY YAHK | Start Date Oct 12, 1999 | RC ____ m to ____ m | Grid E/W ____ | UTM E 575500 | Test 167 M, -72°. Az 291 | Page 38 Of 42

DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70°. Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76. Az 314 | Date Logged Oct 13 – 28, 1999

m	LITH	PRIMARY FABRIC TYPE	PRIMARY FABRIC (m)	ALTERATION TYPE	ALTERATION INT	ALTERATION (m)	STRUCTURE TYPE	STRUCTURE ANG	STRUCTURE (m)	MINERALIZATION TYPE	MINERALIZATION %	COMMENTS	ASSAY INTERVAL From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
												414.6 –792.75 GABBRO + POSSIBLE GRANOPHYRE, CONTINUED								
775	gb									dist. cpy.		By 779.6m, gabbro is less altered and less veining. 782m Still fairly abundant clots of pyrrhotite, continues to 785 m with minor chalcopyrite.	775	777	2	07679				
												787 – 787.7m Strong foliation (shear vein) associated – locally continues to 791.8m. 55-60° to CA.	777	779	2	07680				
												790 – 791.8m Broken core, 67% recovery	779	781	2	07681				
												787 – 792m Rock does not have gabbroic texture. Altered and sheared transitional to contact.	781	783	2	07682				
		S_1	783.25	chl	mod							**792.75 – 806.8M GRANOPHYRE** Sheared FW contact of gabbro 50% transitional to biotitic f-mgr, "salt and pepper" looking	783	785	2	07683				
	gb	S_1		bt	wk							granophyre. Light to medium grey colour, slightly magnetic and locally fizzes with hydrochloric acid (fine disseminated calcite in matrix). This is best looking	785	787	2	07684				
			789.45	chl	mod							granophyre in hole. Good granoblastic texture, but sheared to 793.8m.793.8m Granophyre looks more unaltered, brown-grey biotitic, medium to fine grained.								
	gb		791.25									Massive, cut by fine chlorite fractures with minor envelopes. Foliation gone by this point, no bedding, a few elongate but irregular biotite-rich fragments.								
	gph	S_1		chl	mod							797.4m A slight increase in small irregular biotite-rich fragments and some disseminated pyrrhotite, pyrite and rare calcite crystals.								
800	gph																			

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PROPERTY YAHK | Start Date Oct 12, 1999 | RC ____ m to ____ m | Grid E/W ____ | UTM E 575500 | Test 167 M, -72° . Az 291 | Page 39 Of 42

DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
m LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	**792.75 – 806.8 Granophyre Continued**	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
800 — gph?											801.4m Fragments become more common, including small whitish clay – sericite? fragments or altered crystals.								
—											802.3m A small 4 cm concretion ?? quartz-calcite (?)-chlorite-pyrite with reaction rim – coarser grained than granophyre.	807.8	808.1	1.3	07685				
—		806.8 808.2									**806.8 – 808.2m DIATREME (DYKE?)** Sharp HW contact (55°) with medium grey-brown diatreme. Abundant rounded tenoliths								
— gph?											altered to chlorite-calcite-sericite-talc? possible small epidote-chlorite-serpentine?? altered xenocrysts after olivine. Rounded xenoliths are blue-green with light rims, whitish								
—											(quartzose), rare calcite xenocrysts/xenoliths. Some epidote-biotite-chlorite rich, coarse grained xenoliths (possibly altered ultramafic). Sparse phlogopite xenocrysts.								
—											FW contact at 45-50° to CA is slightly fractured and brecciated. **808.2 – 826.5m continued GRANOPHYRE**								
—											812.5m Pyrrhotite and chalcopyrite clots in possible fragment 813m Increase in disseminated pyrrhotite to 815m, where pyrrhotite grains/clots are .5-1 m,								
—											increasing abundance, although pyrite still on fractures. 815.2 – 815.9m Broken core, abundant fractures, 20-50° to CA, veins, bleached alteration.	823	825	2	07686				
—											822.55m At 52° to CA, a possible bed, 1.3 cm thick, uniform but more biotitic on upper and lower contact, so probably a fragment with reaction rim.								
825 — gph?																			

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PROPERTY YAHK | Start Date Oct 12, 1999 | RC ____ m to ____ m | Grid E/W ____ | UTM E 575500 | Test 167 M, -72° . Az 291 | Page 40 Of 42

DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999

m	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
	LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	808.2 – 826.5 Granophyre Continued.	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
825 –	gph?		826.5									**826.5 – 883.2 Gabbro.** Transitional HW contact to gabbro marked by coarser grain size (especially biotite), more chlorite, lath shaped plagioclase larger and more common . Better gabbroic texture apparent down hole.							
	gb																			
													843	845	2	07687				
850 –	gb																			

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PROPERTY YAHK | Start Date Oct 12, 1999 | RC ____ m to ____ m | Grid E/W ____ | UTM E 575500 | Test 167 M, -72°, Az 291 | Page 41 Of 42

DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70°, Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76, Az 314 | Date Logged Oct 13 – 28, 1999

m	LITH	PRIMARY FABRIC TYPE	PRIMARY FABRIC (m)	ALTERATION TYPE	ALTERATION INT	ALTERATION (m)	STRUCTURE TYPE	STRUCTURE ANG	STRUCTURE (m)	MINERALIZATION TYPE	MINERALIZATION %	COMMENTS	ASSAY INTERVAL From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
850	gb + +											**826.5 – 883.2 GABBRO CONTINUED.**								
												From 856m, there is quite a bit of disseminated pyrrhotite grains and clots/blotches with chalcopyrite.	851	853	2	07688				
												857.15 – 857.55m 0-10% disseminated pyrrhotite and chalcopyrite in clots, splotches on FW of bleached, altered zone.	853	855	2	07689				
										diss. cpy	2-10%	859.1 – 860.1m Again a slight increase in coarse disseminated pyrrhotite (+chalcopyrite) to 2-3%.	855	857	2	07690				
												866.9 – 874.3m More coarse disseminated masses of pyrrhotite, chalcopyrite and sulphides in fractures 2-8%.	857	859	2	07691				
													859	861	2	07692				
													861	863	2	07693				
													863	865	2	07694				
													865	867	2	07695				
										diss. cpy	2-8%		867	869	2	07696				
													869	871	2	07697				
													871	873	2	07698				
													873	875	2	07699				
875	+ + gb												875	877	2	07700				

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PROPERTY YAHK | Start Date Oct 12, 1999 | RC ____ m to ____ m | Grid E/W ____ | UTM E 575500 | Test 167 M, -72° . Az 291 | Page 42 Of 42

DRILL HOLE YK 99-1 | Compl'n Date Oct 27, 1999 | Core 76.2 m to 883.2 m | Grid N/S ____ | UTM N 5438680 | Test 374 M, -70° . Az 288 | Logged By L. Gal

DEPTH 883.2 m | Casing Depth 7.62 m | Casing Left 7.62 m | Dip -78° | Az 270° 1530m Elev | Test 572 M, -76 . Az 314 | Date Logged Oct 13 – 28, 1999

m		PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
	LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	**826.5 – 883.2 GABBRO CONTINUED.**	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
875	gb											883.2m End of Hole in gabbro.	877	879	2	07701				
	+ + + gb												879	881	2	07702				
		EOH	883.2										881	883	2	07703				
900																				

APPENDIX VII

Drill Sample Analytical Results

ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 6T4
Phone (250) 573-5700 Fax (250) 573-4557
email: ecotech@direct.ca

CERTIFICATE OF ASSAY AK 99-641

RIO ALGOM EXPLORATION LTD.
900-409 GRANVILLE STREET
VANCOUVER, BC
V6C 1T2

15-Nov-99

ATTENTION: SIG WEIDNER

No. of samples received: 103
Sample type: Core
PROJECT #: 9904
SHIPMENT #: None Given
Samples submitted by: P. Donnelly

ET #.	Tag #	Au (g/t)	Au (oz/t)
67	7667	12.87	0.375

QC DATA:

Resplit:

67	7667	12.02	0.351

Standard:

STD-M		1.69	0.049

per

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

XLS/99

15-Nov-99

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
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ICP CERTIFICATE OF ANALYSIS AK 99-641

RIO ALGOM EXPLORATION LTD.
900-409 GRANVILLE STREET
VANCOUVER, BC
V6C 1T2

ATTENTION: SIG WEIDNER

No. of samples received: 103
Sample type: Core
PROJECT #: 9904
SHIPMENT #: None Given
Samples submitted by: P. Donnelly

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	7601	<5	<0.2	1.36	<5	75	<5	0.15	<1	10	101	36	2.26	30	0.50	425	4	0.02	17	390	32	5	<20	6	0.16	<10	<1	<10	69	173
2	7602	<5	<0.2	0.81	60	30	<5	0.08	<1	17	62	46	1.94	20	0.34	325	3	0.01	8	300	106	<5	<20	<1	0.06	<10	<1	<10	58	135
3	7603	<5	<0.2	1.06	<5	45	5	0.12	<1	13	76	52	2.77	30	0.41	500	4	0.01	17	350	34	<5	<20	<1	0.09	<10	<1	<10	78	150
4	7604	10	<0.2	1.42	550	65	10	0.28	2	14	91	35	2.77	30	0.44	501	4	0.03	15	310	24	<5	<20	5	0.19	<10	<1	<10	82	258
5	7605	<5	<0.2	1.29	20	70	15	0.15	<1	16	56	47	3.49	30	0.52	606	4	0.01	19	410	48	<5	<20	9	0.15	<10	<1	<10	96	168
6	7606	<5	<0.2	1.79	20	85	10	0.45	<1	14	104	40	3.19	40	0.49	546	5	0.03	18	380	50	<5	<20	52	0.19	<10	<1	<10	139	118
7	7607	<5	<0.2	1.24	10	55	5	0.23	<1	12	46	36	2.65	30	0.39	439	3	0.02	16	300	32	<5	<20	10	0.14	<10	<1	<10	85	120
8	7608	<5	<0.2	0.92	30	30	<5	0.18	2	9	91	26	1.82	30	0.28	330	3	0.01	11	290	36	<5	<20	1	0.09	<10	<1	<10	115	464
9	7609	<5	<0.2	0.86	10	40	<5	0.14	<1	11	60	39	2.56	30	0.32	485	4	0.01	15	320	14	<5	<20	<1	0.09	<10	<1	<10	93	83
10	7610	<5	<0.2	1.09	10	40	<5	0.18	<1	11	81	34	2.13	30	0.41	418	3	0.01	13	370	20	<5	<20	<1	0.14	<10	<1	<10	86	89
11	7611	<5	<0.2	1.97	<5	60	10	0.24	<1	12	71	10	3.16	30	0.87	664	5	0.02	17	540	26	<5	<20	2	0.24	<10	<1	<10	113	136
12	7612	<5	<0.2	1.45	10	50	<5	0.33	<1	13	105	42	2.32	30	0.37	455	4	0.02	16	230	26	<5	<20	7	0.12	<10	<1	<10	77	89
13	7613	<5	<0.2	1.48	5	70	<5	0.21	<1	14	50	50	2.92	30	0.50	542	4	0.02	17	360	18	<5	<20	28	0.12	<10	<1	<10	84	129
14	7614	<5	<0.2	1.82	35	75	10	0.23	<1	26	145	31	3.74	20	0.86	708	4	0.01	34	230	42	<5	<20	<1	0.11	<10	58	<10	67	289
15	7615	<5	0.2	0.73	40	10	<5	0.16	<1	23	89	75	1.91	20	0.28	217	4	<0.01	19	180	52	<5	<20	<1	<0.01	<10	12	<10	52	226
16	7616	<5	<0.2	1.86	<5	100	10	0.38	<1	14	114	28	3.03	20	0.47	557	4	0.06	18	330	14	<5	<20	13	0.28	<10	<1	<10	84	102
17	7617	<5	<0.2	1.98	5	75	10	0.65	<1	11	72	27	2.30	20	0.37	408	3	0.08	15	290	20	<5	<20	13	0.17	<10	<1	<10	90	70
18	7618	<5	<0.2	1.82	<5	55	<5	0.62	<1	10	112	54	2.12	20	0.37	394	5	0.07	13	250	30	<5	<20	12	0.15	<10	<1	<10	78	62
19	7619	<5	<0.2	1.42	<5	45	<5	0.50	<1	6	96	22	1.66	20	0.29	356	4	0.05	7	230	18	<5	<20	7	0.10	<10	<1	<10	66	46
20	7620	<5	<0.2	1.54	<5	90	10	0.22	<1	13	80	25	2.64	40	0.41	470	4	0.03	20	380	12	<5	<20	<1	0.19	<10	<1	<10	94	81

RIO ALGOM EXPLORATION LTD. ICP CERTIFICATE OF ANALYSIS AK 99-641 ECO-TECH LABORATORIES LTD.

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	Tl %	U	V	W	Y	Zn
21	7621	<5	<0.2	1.71	<5	85	15	0.30	<1	12	69	11	2.84	30	0.39	543	3	0.02	15	280	16	<5	<20	2	0.18	<10	<1	<10	88	81
22	7622	<5	<0.2	1.37	15	85	15	0.12	<1	14	77	64	3.01	40	0.38	406	4	0.01	20	390	26	<5	<20	<1	0.15	<10	<1	<10	110	86
23	7623	<5	<0.2	1.79	10	95	10	0.38	<1	10	67	27	2.66	20	0.42	402	3	0.03	13	300	44	<5	<20	11	0.19	<10	<1	<10	69	83
24	7624	<5	<0.2	3.03	5	130	15	0.65	<1	15	105	11	3.76	20	0.83	614	5	0.04	18	500	32	<5	<20	9	0.25	<10	<1	<10	78	131
25	7625	<5	<0.2	2.02	5	95	10	0.36	<1	12	82	12	2.83	30	0.58	522	5	0.03	16	370	32	<5	<20	9	0.18	<10	<1	<10	92	105
26	7626	<5	<0.2	1.32	<5	55	5	0.33	<1	12	114	39	2.55	20	0.35	389	4	0.03	18	270	52	<5	<20	<1	0.11	<10	<1	<10	83	74
27	7627	<5	<0.2	2.62	<5	75	10	0.80	<1	12	89	18	2.98	20	0.82	654	4	0.07	15	420	166	<5	<20	20	0.22	<10	<1	<10	70	123
28	7628	<5	<0.2	2.09	15	80	10	0.52	<1	13	75	21	2.86	20	0.63	533	4	0.04	16	420	96	5	<20	8	0.20	<10	<1	<10	80	121
29	7629	<5	<0.2	1.14	<5	75	<5	0.13	<1	13	48	29	2.74	50	0.41	379	3	0.01	18	470	10	<5	<20	<1	0.14	<10	<1	<10	135	54
30	7630	<5	<0.2	1.68	5	105	10	0.16	<1	17	103	29	3.70	40	0.63	575	5	0.02	23	410	14	<5	<20	<1	0.18	<10	<1	<10	132	73
31	7631	<5	<0.2	1.45	<5	85	10	0.15	<1	16	73	29	3.45	30	0.57	509	5	0.02	20	380	14	<5	<20	<1	0.27	<10	<1	<10	133	64
32	7632	<5	<0.2	1.20	<5	90	5	0.16	<1	11	107	20	2.45	20	0.43	387	4	0.02	15	260	12	<5	<20	4	0.13	<10	<1	<10	82	45
33	7633	<5	<0.2	1.74	<5	100	5	0.22	<1	15	81	32	3.40	30	0.80	483	5	0.03	20	440	10	5	<20	<1	0.15	<10	<1	<10	83	48
34	7634	<5	<0.2	1.37	<5	75	5	0.17	<1	12	86	27	2.82	30	0.55	404	4	0.02	17	340	10	5	<20	<1	0.12	<10	<1	<10	84	36
35	7635	<5	<0.2	1.50	<5	90	10	0.15	<1	11	69	24	3.02	30	0.63	460	4	0.02	14	350	10	10	<20	3	0.27	<10	<1	<10	92	42
36	7636	<5	<0.2	1.25	<5	75	5	0.10	<1	11	78	43	3.17	40	0.59	436	4	0.01	22	290	6	<5	<20	<1	0.09	<10	8	<10	101	48
37	7637	5	<0.2	1.38	<5	95	<5	0.14	<1	13	94	49	3.17	30	0.72	405	6	0.02	23	410	6	<5	<20	<1	0.09	<10	7	<10	75	49
38	7638	<5	<0.2	1.10	<5	70	5	0.16	<1	9	92	13	2.06	20	0.45	325	4	0.02	11	240	10	5	<20	<1	0.12	<10	<1	<10	63	28
39	7639	<5	<0.2	1.13	<5	55	5	0.27	<1	8	130	9	1.95	10	0.56	333	5	0.02	14	260	12	<5	<20	2	0.10	<10	<1	<10	47	29
40	7640	<5	<0.2	2.10	5	40	10	0.17	<1	15	113	10	3.96	10	1.51	620	5	0.01	25	360	12	10	<20	<1	0.06	<10	42	<10	35	44
41	7641	5	<0.2	1.78	<5	30	10	0.29	<1	16	134	62	3.48	<10	1.39	505	4	0.02	41	220	6	15	<20	<1	0.06	<10	60	<10	<1	50
42	7642	5	<0.2	1.23	10	20	<5	0.32	<1	16	115	78	2.44	<10	0.96	365	3	0.02	31	200	24	10	<20	2	0.06	<10	34	<10	<1	49
43	7643	<5	<0.2	2.44	<5	75	25	0.58	<1	26	40	15	5.64	<10	1.64	746	6	0.02	17	1890	4	10	<20	10	0.14	<10	174	<10	<1	62
44	7644	<5	<0.2	1.12	<5	65	5	0.16	<1	6	79	13	2.14	<10	0.66	287	4	0.02	13	350	4	5	<20	3	0.05	<10	13	<10	27	24
45	7645	<5	<0.2	0.61	<5	20	<5	1.16	<1	<1	38	4	0.44	<10	<0.01	72	1	<0.01	<1	390	<2	<5	<20	72	0.03	<10	10	<10	49	<1
46	7646	<5	<0.2	0.91	<5	15	<5	0.35	<1	3	59	12	1.24	10	0.39	171	4	0.04	7	560	12	<5	<20	6	0.03	<10	11	<10	36	18
47	7647	5	<0.2	0.81	90	20	<5	0.27	<1	35	78	327	1.85	<10	0.60	212	2	0.02	213	220	<2	<5	<20	<1	0.04	<10	14	<10	<1	30
48	7648	10	<0.2	1.19	<5	50	<5	0.22	<1	12	119	177	3.35	<10	0.70	540	6	0.02	12	290	6	<5	<20	2	0.05	<10	28	<10	36	44
49	7649	<5	<0.2	1.67	<5	115	10	0.14	<1	10	81	41	3.68	<10	0.92	614	4	0.03	11	410	6	5	<20	<1	0.19	<10	34	<10	50	41
50	7650	<5	<0.2	0.16	<5	15	<5	0.22	<1	3	67	3	0.16	<10	<0.01	32	2	0.04	2	500	<2	<5	<20	2	0.06	<10	<1	<10	11	<1
51	7651	<5	<0.2	1.35	15	65	<5	0.32	<1	14	58	36	2.64	30	0.38	446	4	0.02	15	570	18	5	<20	23	0.11	<10	<1	<10	110	77
52	7652	<5	<0.2	1.17	25	25	5	0.51	<1	25	85	11	1.86	<10	0.81	338	2	0.03	20	230	6	10	<20	5	0.09	<10	29	<10	2	46
53	7653	<5	<0.2	0.84	30	20	<5	0.27	<1	8	69	29	1.57	<10	0.16	198	4	0.02	8	180	16	<5	<20	<1	0.06	<10	<1	<10	45	37
54	7654	<5	<0.2	1.77	<5	165	15	0.13	<1	11	96	44	3.63	10	0.88	578	4	0.03	13	310	6	5	<20	<1	0.22	<10	<1	<10	65	39
55	7655	<5	<0.2	0.27	<5	10	<5	0.36	<1	3	52	6	0.33	<10	0.01	53	3	0.03	2	530	<2	<5	<20	15	0.05	<10	<1	<10	22	<1

RIO ALGOM EXPLORATION LTD. ICP CERTIFICATE OF ANALYSIS AK 99-641 ECO-TECH LABORATORIES LTD.

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
56	7656	<5	<0.2	0.50	<5	5	10	0.63	<1	4	73	7	1.52	<10	0.11	300	4	0.03	3	850	2	<5	<20	32	0.11	<10	21	<10	25	68
57	7657	<5	<0.2	1.53	<5	85	10	0.15	<1	14	85	71	3.79	<10	0.71	567	5	0.02	16	370	6	<5	<20	<1	0.16	<10	3	<10	43	40
58	7658	<5	<0.2	0.46	<5	15	<5	0.52	<1	<1	67	6	0.46	<10	<0.01	68	2	0.03	<1	530	2	<5	<20	32	0.03	<10	5	<10	31	<1
59	7659	<5	<0.2	0.36	<5	20	<5	0.34	<1	<1	35	3	0.62	10	<0.01	103	3	0.02	<1	470	<2	<5	<20	17	<0.01	<10	10	<10	42	1
60	7660	<5	<0.2	1.45	100	15	10	0.30	<1	36	99	13	2.25	<10	1.25	340	2	0.02	91	160	2	10	<20	1	0.03	<10	20	<10	<1	30
61	7661	<5	<0.2	1.71	<5	80	10	0.19	<1	26	92	26	3.28	<10	1.09	502	5	0.02	40	330	14	<5	<20	<1	0.05	<10	70	<10	24	82
62	7662	<5	<0.2	1.90	<5	15	<5	1.48	<1	16	55	158	1.36	<10	0.39	183	2	0.16	37	290	16	10	<20	37	0.05	<10	25	<10	2	26
63	7663	5	<0.2	1.93	<5	110	20	0.67	<1	32	94	70	3.99	<10	1.07	631	5	0.09	30	290	6	<5	<20	7	0.26	<10	44	<10	18	57
64	7664	<5	<0.2	1.79	<5	80	5	0.65	<1	28	73	87	2.92	<10	1.00	336	4	0.09	45	290	14	10	<20	10	0.11	<10	37	<10	5	43
65	7665	<5	<0.2	2.12	<5	165	15	0.66	<1	24	73	48	3.73	<10	1.20	480	5	0.08	19	330	8	5	<20	6	0.22	<10	46	<10	12	60
66	7666	20	0.4	1.22	<5	155	<5	1.65	<1	103	25	4186	>10	<10	0.67	10000	17	0.02	305	<10	6	<5	<20	2	0.03	<10	551	<10	487	97
67	7667	>1000	<0.2	1.23	<5	85	300	0.78	<1	62	42	1117	>10	<10	0.51	4199	8	0.02	117	270	2	<5	<20	<1	0.05	<10	215	<10	110	116
68	7668	20	<0.2	1.92	<5	235	15	0.46	<1	28	60	26	3.48	<10	0.91	586	4	0.08	29	340	6	10	<20	5	0.17	<10	33	<10	15	61
69	7669	15	<0.2	1.20	<5	85	10	0.37	<1	38	41	51	5.13	<10	0.46	1043	5	0.04	41	280	8	<5	<20	2	0.06	<10	71	<10	28	336
70	7670	5	<0.2	1.87	<5	115	<5	0.87	<1	22	55	55	2.30	<10	0.76	247	3	0.11	33	270	8	5	<20	16	0.11	<10	26	<10	5	31
71	7671	<5	<0.2	2.82	<5	180	10	1.54	<1	32	100	95	3.42	<10	1.20	382	5	0.18	62	290	6	15	<20	32	0.17	<10	37	<10	21	40
72	7672	<5	<0.2	2.55	<5	150	<5	1.40	<1	40	72	146	3.41	<10	1.08	335	4	0.16	94	290	10	10	<20	24	0.16	<10	31	<10	17	36
73	7673	<5	<0.2	3.24	<5	195	5	1.83	<1	27	76	98	2.97	<10	1.06	329	3	0.23	47	310	10	10	<20	39	0.18	<10	29	<10	19	34
74	7674	<5	<0.2	2.78	<5	135	10	1.71	<1	19	83	43	2.58	<10	1.00	336	4	0.20	21	310	10	10	<20	31	0.16	<10	28	<10	22	31
75	7675	15	<0.2	2.61	30	85	15	0.33	<1	25	92	104	5.26	<10	1.76	774	5	0.03	51	300	6	5	<20	4	0.11	<10	102	<10	10	61
76	7676	10	0.2	1.85	<5	65	<5	0.97	<1	62	91	2562	4.38	<10	0.83	345	6	0.13	218	220	6	10	<20	17	0.14	<10	53	<10	15	52
77	7677	15	<0.2	2.04	<5	85	<5	0.80	<1	121	84	2581	6.26	<10	1.13	311	6	0.10	617	130	2	<5	<20	10	0.13	<10	38	<10	<1	43
78	7678	<5	<0.2	1.66	<5	50	<5	0.98	<1	49	100	778	3.30	<10	0.75	250	5	0.12	225	320	6	5	<20	12	0.15	<10	45	<10	15	24
79	7679	10	<0.2	1.57	<5	30	<5	1.03	<1	28	73	339	2.04	<10	0.49	208	4	0.15	155	320	4	<5	<20	26	0.18	<10	33	<10	14	21
80	7680	<5	<0.2	1.45	<5	35	<5	0.70	<1	32	84	454	3.12	<10	1.07	339	4	0.06	77	300	6	5	<20	2	0.16	<10	51	<10	9	35
81	7681	<5	<0.2	2.53	<5	95	<5	1.46	<1	30	69	261	2.60	<10	0.92	247	3	0.18	114	280	12	10	<20	33	0.12	<10	27	<10	10	27
82	7682	5	<0.2	3.17	<5	130	<5	1.82	<1	34	82	337	2.84	<10	1.05	268	3	0.22	153	290	12	<5	<20	42	0.15	<10	24	<10	10	28
83	7683	5	<0.2	2.03	<5	60	<5	1.23	<1	33	89	348	2.63	<10	0.95	292	3	0.13	145	260	6	10	<20	20	0.13	<10	27	<10	12	29
84	7684	5	<0.2	1.50	<5	40	<5	0.81	<1	57	90	661	3.66	<10	1.05	474	4	0.06	336	230	6	<5	<20	9	0.07	<10	36	<10	12	38
85	7685	<5	<0.2	4.39	<5	1510	15	2.14	<1	27	38	65	4.70	90	1.55	951	5	0.51	92	4110	14	10	<20	776	0.22	<10	19	<10	68	51
86	7686	<5	<0.2	2.70	<5	395	25	0.32	<1	29	100	38	5.85	<10	1.20	777	6	0.09	15	420	10	5	<20	9	0.47	<10	96	<10	48	91
87	7687	<5	<0.2	2.91	<5	285	15	1.20	<1	21	82	29	3.51	<10	1.31	445	5	0.17	12	340	10	15	<20	25	0.24	<10	41	<10	25	51
88	7688	<5	<0.2	2.90	<5	190	10	1.68	<1	21	83	42	2.81	<10	1.06	350	4	0.20	18	320	8	10	<20	37	0.21	<10	28	<10	23	33
89	7689	<5	<0.2	2.84	<5	155	20	1.62	<1	21	66	45	2.64	<10	1.04	315	2	0.18	17	330	12	<5	<20	37	0.17	<10	19	<10	19	34
90	7690	<5	<0.2	2.67	<5	105	10	1.51	<1	38	79	140	3.46	<10	1.06	379	5	0.17	70	310	10	15	<20	28	0.14	<10	34	<10	19	37

RIO ALGOM EXPLORATION LTD. ICP CERTIFICATE OF ANALYSIS AK 99-641 ECO-TECH LABORATORIES LTD.

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
91	7691	<5	<0.2	1.87	<5	55	<5	0.91	<1	96	75	708	5.30	<10	1.17	350	5	0.09	293	230	6	<5	<20	9	0.12	<10	27	<10	4	40
92	7692	<5	<0.2	1.94	<5	50	<5	1.19	<1	49	81	349	3.22	<10	0.99	274	4	0.12	199	270	8	10	<20	18	0.12	<10	19	<10	10	30
93	7693	<5	<0.2	2.34	<5	60	<5	1.49	<1	18	57	69	2.01	<10	0.80	249	3	0.17	23	300	8	5	<20	32	0.10	<10	30	<10	10	23
94	7694	10	<0.2	1.79	<5	40	<5	1.18	<1	40	73	582	2.56	<10	0.84	223	3	0.12	262	250	6	5	<20	17	0.13	<10	24	<10	5	25
95	7695	10	<0.2	1.87	<5	25	<5	1.24	<1	24	65	493	1.94	<10	0.78	207	3	0.13	162	250	6	5	<20	19	0.10	<10	23	<10	6	23
96	7696	70	0.4	2.68	<5	50	<5	1.67	<1	86	88	3358	3.63	<10	0.85	177	3	0.19	1257	140	10	5	<20	30	0.10	<10	20	<10	<1	37
97	7697	120	1.2	1.39	10	30	<5	0.78	<1	136	69	5554	4.61	<10	0.78	193	4	0.07	2133	10	4	<5	<20	11	0.05	<10	21	<10	<1	54
98	7698	55	0.4	2.39	30	30	<5	1.52	<1	81	64	2713	2.98	<10	0.74	167	3	0.16	1138	140	8	<5	<20	30	0.07	<10	27	<10	<1	32
99	7699	5	<0.2	2.82	<5	35	<5	1.81	<1	17	53	140	1.43	<10	0.76	159	2	0.20	66	220	10	5	<20	39	0.06	<10	14	<10	1	13
100	7703	10	<0.2	2.90	5	20	<5	1.83	<1	19	54	167	1.47	<10	0.81	160	3	0.21	74	250	10	15	<20	35	0.07	<10	15	<10	<1	15
101	7704	5	<0.2	1.85	10	65	5	0.41	<1	12	71	22	2.90	30	0.57	535	4	0.03	19	510	48	<5	<20	7	0.17	<10	<1	<10	94	127
102	7705	5	<0.2	0.59	30	15	<5	0.17	<1	15	121	87	1.72	20	0.11	195	5	<0.01	27	350	44	<5	<20	<1	0.05	<10	<1	<10	75	34
103	7707	410	<0.2	2.60	<5	155	20	0.59	<1	70	50	353	>10	10	1.45	3586	9	0.03	87	30	6	<5	<20	1	0.14	<10	126	<10	56	136
QC DATA:																														
Resplit:																														
1	7601	<5	<0.2	1.37	<5	70	5	0.14	<1	10	97	34	2.29	30	0.51	430	4	0.02	18	430	36	5	<20	4	0.20	<10	<1	<10	77	169
36	7636	<5	<0.2	1.14	<5	65	<5	0.10	<1	11	90	42	3.10	40	0.53	438	5	0.01	23	270	4	<5	<20	<1	0.06	<10	6	<10	107	44
71	7671	<5	<0.2	2.77	<5	180	10	1.51	<1	32	100	94	3.45	<10	1.18	392	4	0.18	61	300	8	15	<20	28	0.18	<10	37	<10	21	42
Repeat:																														
1	7601	<5	<0.2	1.28	<5	65	<5	0.14	<1	10	97	34	2.18	30	0.47	408	4	0.02	18	390	32	<5	<20	4	0.16	<10	<1	<10	70	170
10	7610	<5	<0.2	1.12	10	40	10	0.19	<1	11	81	34	2.17	30	0.42	428	4	0.01	14	380	22	<5	<20	<1	0.10	<10	<1	<10	87	90
19	7619	<5	<0.2	1.46	<5	45	5	0.51	<1	6	98	22	1.69	20	0.30	363	4	0.05	7	230	20	<5	<20	5	0.10	<10	<1	<10	66	47
36	7636	<5	<0.2	1.18	<5	70	5	0.09	<1	11	68	37	3.06	40	0.51	413	4	0.01	20	260	4	<5	<20	<1	0.08	<10	6	<10	97	46
45	7645	<5	<0.2	0.53	<5	20	<5	1.10	<1	<1	35	4	0.40	<10	<0.01	67	1	<0.01	<1	350	2	<5	<20	70	0.02	<10	7	<10	44	<1
54	7654	<5	<0.2	1.72	<5	160	10	0.12	<1	10	86	41	3.32	<10	0.80	570	5	0.03	12	300	6	<5	<20	<1	0.17	<10	2	<10	60	36
71	7671	<5	<0.2	2.76	<5	165	10	1.44	<1	30	92	87	3.12	<10	1.10	364	4	0.16	59	290	8	5	<20	28	0.10	<10	40	<10	20	37
80	7680	<5	<0.2	1.52	<5	40	<5	0.74	<1	34	87	465	3.24	<10	1.12	355	4	0.06	79	310	8	<5	<20	4	0.14	<10	46	<10	10	37
89	7689	<5	<0.2	2.76	<5	135	10	1.48	<1	18	59	41	2.56	<10	0.91	305	3	0.16	15	300	8	10	<20	33	0.18	<10	22	<10	17	30
Standard:																														
GEO'99		110	1.0	1.72	65	160	5	1.88	<1	19	62	80	3.89	<10	0.95	681	2	0.02	22	700	18	10	<20	58	0.12	<10	76	<10	8	68
GEO'99		110	1.2	1.78	70	160	<5	1.84	<1	20	64	75	3.88	<10	0.97	686	3	0.02	23	650	16	10	<20	59	0.09	<10	76	<10	9	70
GEO'99		125	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

df/641
XLS/99
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ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer