1999 GEOLOGICAL EVALUATION OF THE PYRAMID PEAK PROPERTY

LATITUDE 49° 40' 00''N LONGITUDE 116° 15' 00''W

NTS 082F/09

FORT STEELE MINING DIVISION, BRITISH COLUMBIA, CANADA

PREPARED BY

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1.0 Abstract

The Pyramid Peak property comprises 87 mineral claims with a total of 476 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 west of the town of Kimberley, B.C. Road access to the property is via the St. Mary Lake Road and the Matthew Creek Forest Service Road. Elevations on the property range from 1000m to 2690m above sea level. Higher elevations on the property were accessed by helicopter from a base in Cranbrook.

The Pyramid Peak 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 comprises thin bedded, rusty quartzitic wacke and siltstone. The lower Aldridge is conformably overlain by the middle Aldridge comprised of thin to medium bedded, rusty to grey weathering quartz wacke, quartzitic wacke and siltstone units. Syn-depositional gabbro sills and dikes have intruded the lower and middle Aldridge Formation.

The most significant base metal deposit in the region is Cominco's Sullivan deposit at Kimberley. This sedimentary exhalative lead-zinc sulfide deposit contained an estimated 170 MT grading 5.5% zinc, 5.8% lead and 59 gram per tonne silver; and is stratigraphically situated immediately below the lower Aldridge-middle Aldridge contact (LMC).

The focus of exploration for Rio Algom on the Pyramid Peak property was the LMC. Fieldwork was carried out between August 3 and September 10, 1999. Geological mapping and lithogeochemical sampling was geared towards confirming previous geological mapping and interpretations. The LMC was mapped on the eastern side of the property, with a gentle westward dip. The geometry of the contact is complicated by several north trending faults.

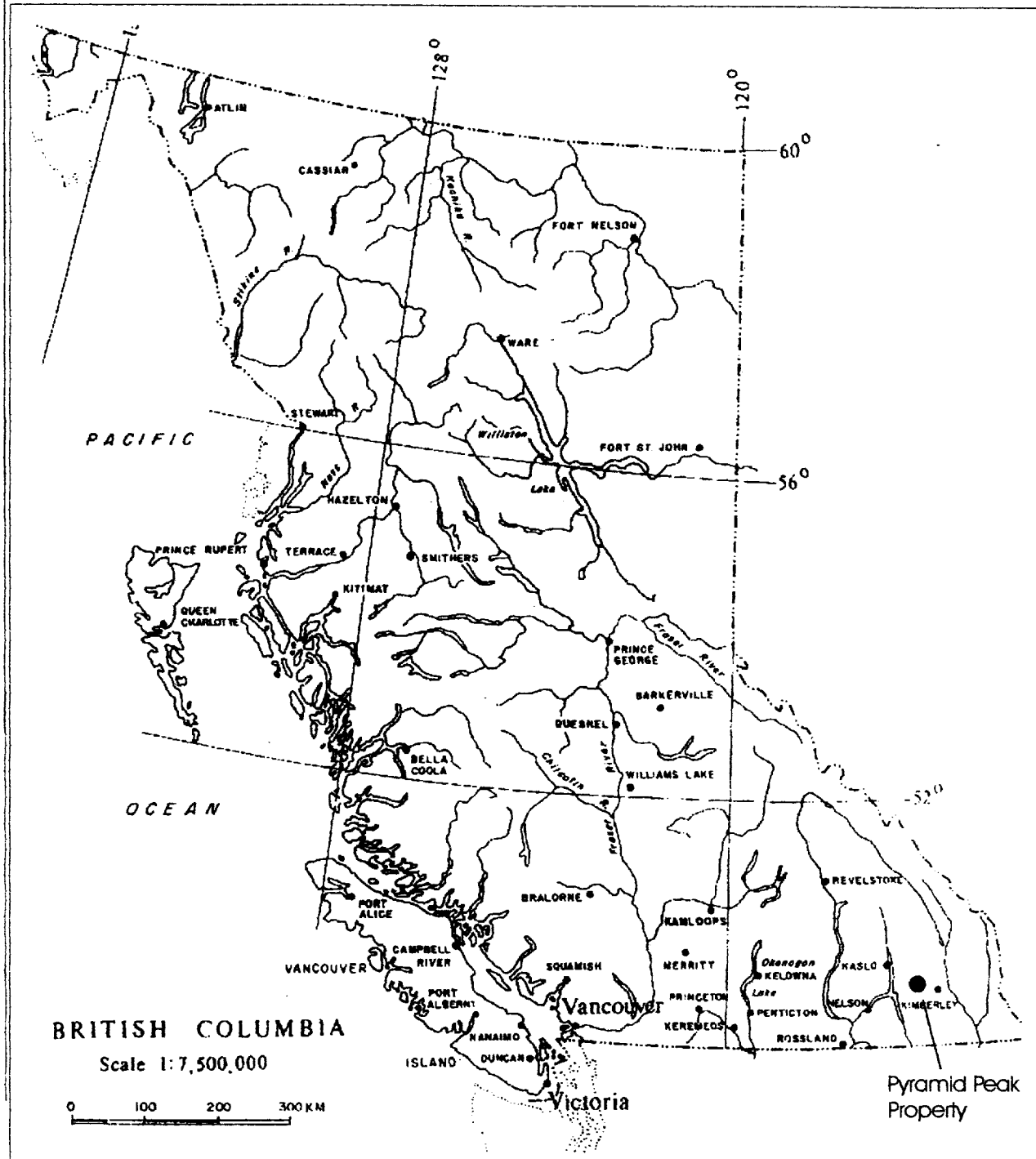
One diamond drill hole (PP-99-1) was collared on upper Matthew Creek, in the northern part of the property. Diamond drilling took place from September 13 to October 6, 1999. The target was a Sullivan–type horizon at the LMC. The LMC was intersected at 912.8 metres, at the top of a package dominated by biotite rich wackes, quartzitic wackes and siltstones. A Sullivan-type horizon was present but was only weakly anomalous geochemically. The hole was terminated at a depth of 1005.2 m within a granitoid intrusive.

While the LMC tested by PP99-1 was only weakly anomalous, there are further geological targets on the property, particularly to the south. Further drilling is proposed to test the LMC at depth for base metal mineralization.

2.0 Introduction

2.1 Property Location, Access and Physiography

The Pyramid Peak property comprises 87 mineral claims with a total of 476 claim units. The property is centred about Pyramid Peak, west of Kimberley, B.C. The Pyramid Peak property is within the Fort Steele Mining Division, covered by NTS map sheet 82F/09, and is centred at 49°



Rio Algom Exploration Inc.

Pyramid Peak Property

Location Map

DATE	Dec 99	DRAWN BY	SW	DWG	Fig. 1

40' 00'' north and longitude 116° 15' 00'' west (Figure 1, 2). The St. Mary River runs along the southern and western sides of the property. Major streams such as Alki Creek, Matthew Creek and Pyramid Creek drain the high alpine ground around Pyramid Peak in the central part of the property.

Road access to the property is via the St. Mary Lake Road, the Matthew Creek Forest Service Road, and minor branches off these roads. A foot trail along the east side of Alki Creek provides access to the upper part of this drainage. Because of the relatively rugged ground and limited road access, a helicopter was used on several traverses to access the high alpine areas.

The property is located within the Purcell Mountains, at elevations ranging from 1000m above sea level (a.s.l.) in the St. Mary River valley, to 2690m on an unnamed ridge in the northwest corner of the property. Pyramid Peak reaches a height of 2640m a.s.l. Vegetation at lower elevations consists of mature timber. At higher elevations, scrub spruce and alpine shrubs and grasses predominate. The high ridges and cirques expose bare rock. Outcrop exposure is quite good, except in creek valleys where glacial deposits mask outcrops. 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 generally accessible from late June to mid-October, depending on the preceding winter's snowfall.

2.2 Claim Status

The 87 mineral claims of the Pyramid property are owned Rio Algom Exploration Inc., subject to an option agreement with Abitibi Mining Corp. dated May 11, 1999. The claims cover an area of approximately 11,000 ha. 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 deposit at Moyie, and the Sullivan deposit, 13 km to the east at Kimberley, switched the major focus of exploration to lead and zinc mineralization. Several small-scale workings, mainly in quartz veins and shears are located in the Alki Creek and upper Pyramid Creek areas and date to the 1890's or early part of the 1900's. (see section 4.0, Property Geology).

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

Cominco explored the Pyramid Peak area in the past as part of their regional search for Sedex deposits in the Aldridge Formation. A few drill holes were completed in the 1980's. Cominco continues to hold claims in the area. More recently, Abitibi Mining Corp. undertook mapping and prospecting on the Pyramid Peak property in 1997 and 1998. Two holes were drilled by Abitibi in the south part of the Pyramid Peak property near the St. Mary River.

3.0 Regional Geology

The Pyramid Peak area has been mapped at a regional scale by Leech (1957). More recent mapping was done by Hoy (1993), and Abitibi Mining Corp. consultants. The following geological description is summarised from several published sources.

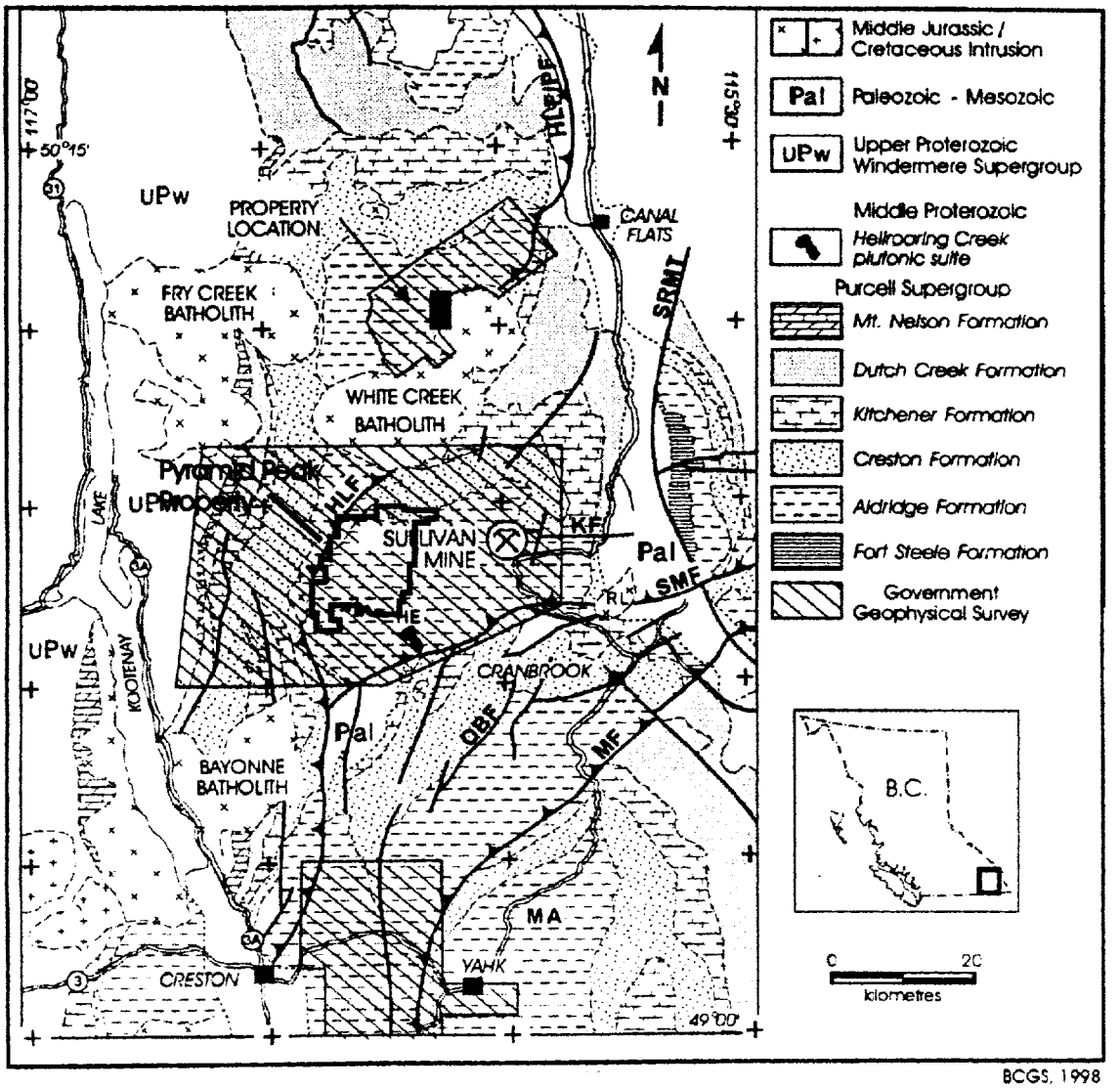
The Pyramid Peak property is located within the Purcell Anticlinorium, a broad, gently north plunging structure with dominantly east verging thrust and fold structures (Figure 2). The Purcell Anticlinorium is cored by the Proterozoic Purcell Supergroup, comprised of a siliciclastic and lesser carbonate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

The claim area is underlain by the Aldridge Formation, the lowermost division of the Purcell Supergroup. The Aldridge Formation is divisible into a lower, middle and upper unit. The lower Aldridge Formation is comprised of thin bedded, rusty weathering, fine-grained quartzitic wackes, siltstones and some argillites. A grey weathering quartzite marker unit (the "Footwall Quartzite") lies approximately 150 metres below the stratigraphic top of the lower Aldridge. The uppermost part of the lower Aldridge Formation is a package of laminated siltstones and mudstones, known in the camp as the "Sullivan Horizon". The massive sulphide ore body of the Sullivan deposit is hosted in this package, immediately below the top of the lower Aldridge. Lithologies correlative with the Sullivan Horizon have been recognized (in drill core) on the Pyramid property.

With no development of the Sullivan Horizon, the lower Aldridge sediments grade upward into medium to thin bedded grey weathering quartz wackes, quartzitic wackes, wackes and siltstones with local argillite. The first appearance of medium to thick bedded quartz wacke units marks the contact of the lower Aldridge with the middle Aldridge Formations. The middle Aldridge Formation is rather monotonous in character and about 2,500m to 3,500m thick. 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 valuable as stratigraphic markers, and can be correlated over great 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 specific marker has been identified and correlated.

The upper Aldridge Formation, consists of rusty weathering, thin-bedded siltstone and argillite and is typically 250m to 500m thick

Sedimentary fragmental units are known to occur at or near the LMC in the region. Most significant of these is the Clair fragmental (Clair conglomerate), southwest of St. Mary Lake. This conformable fragmental unit comprises variably altered and sized clasts supported in a massive wacke matrix with disseminated pyrrhotite. Fragments are mostly small and rounded clasts of siltstone and wacke. Some of the fragments are albitized, tourmalinized or pyrite–



BCGS, 1998

Claim Boundary

Rio Algom Exploration Inc.

Pyramid Peak Property

Regional Geology

DATE	Dec 99	DRAWN BY	SW	DWG	Fig.2

pyrrhotite altered. Locally, mud chips are developed, with large, angular and aligned mudstone rip-up clasts.

Both the lower and middle Aldridge Formations are intruded by Middle Proterozoic dioritic to gabbroic sills (Moyie intrusions). These sills (and rarely, dykes) can vary from a few to several hundred metres thick. They are 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 sediments to provide necessary intrusion space.

The lower and middle Aldridge Formations are carried in the hanging wall of the St. Mary Fault, a southeasterly directed thrust fault that may be related to major basement structures. The Hall Lake Fault, another major thrust structure, lies to the northwest . Between the St. Mary and Hall Lake faults, the Aldridge strata is characterized by open north trending folds.

The Kimberley Fault extends eastward to the Sullivan Mine, where the deposit occurs at its intersection with the north trending Sullivan Fault. The Kimberley Fault has a complex history of reactivation. The last motion on the fault was left lateral and normal (north side down). The northern part of the Sullivan ore body is offset along this fault, where approximately 3000m of net displacement has been documented. A number of north and northeast trending, steep faults occur in the area (including the Sullivan Fault), many with a west side down displacement. The age of this faulting varies, but at least some are considered to be syn-depositional, basin bounding growth faults that formed the boundary of smaller (second and third order graben basins) within the Belt-Purcell basin, and thus localised mineralization at Sullivan.

Although at least three deformational episodes are documented in the area, open folds and steep block faults are the most obvious structures at a megascopic scale. These are related to Mesozoic compression and Tertiary extension, respectively.

The metamorphic grade is regionally within the greenschist facies. A metamorphic culmination of sillimanite grade occurs south of the Pyramid Peak property in the St. Mary River valley. This increase in grade may be due to plutonism, or the exposure of the core of a large scale fold structure with a high amount of structural relief.

The Proterozoic Hellroaring Creek pegmatitic, granodioritic stock and related pegmatite dykes, intrude the Aldridge Formation and gabbro sills. The youngest intrusive rocks are Cretaceous, such as the White Creek batholith, the Hall Lake pluton and the Reade Lake stock. Lamprophyre dykes of probable Cretaceous age intrude all units.

Cominco's Sullivan deposit at Kimberley, B.C., 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 Pyramid Peak property is underlain by Purcell Supergroup metasediments of the lower and middle Aldridge Formations. The Aldridge Formation sediments dip gently to moderately and mainly westward within a series of fault bounded blocks. North and northeast trending open folds occur locally. The lower Aldridge is restricted to the east side of the property. The middle Aldridge outcrop elsewhere. Several Moyie sills intrude the Aldridge Formation (Fig.3).

The Kimberley fault cuts across the northern part of the Property. Several north trending faults occur on the property. Among these are the Alki Creek and Murphy Pass faults, the former of which forms the eastern side of the Clair Graben. This down dropped, north trending block hosts the Clair and Murphy fragmentals. The Patra Fault is a northwest trending, northeasterly directed thrust fault associated with a wide zone of alteration and shearing.

Several mineral showings that occur within the property boundaries are listed in the B.C. MINFILE . There is little information on these, but they are essentially all quartz sulphide veins (chalcopyrite +/- galena, arsenopyrite) within Aldridge sediments, often near the contacts with gabbros. The showings are: Warren-Wolmer (082FNE064), Mystery (082FNE067), Blue Peter (082FNE068) and Gold Ledge (082FNE087). The Dominion Crown Grants (MINFILE No. 082FNE063) are on the south side of the Pyramid Peak property and host lead and zinc mineralization in fractures, as well as tungsten mineralization associated with a garnet skarn or alteration zone.

5.0 1999 Exploration Results

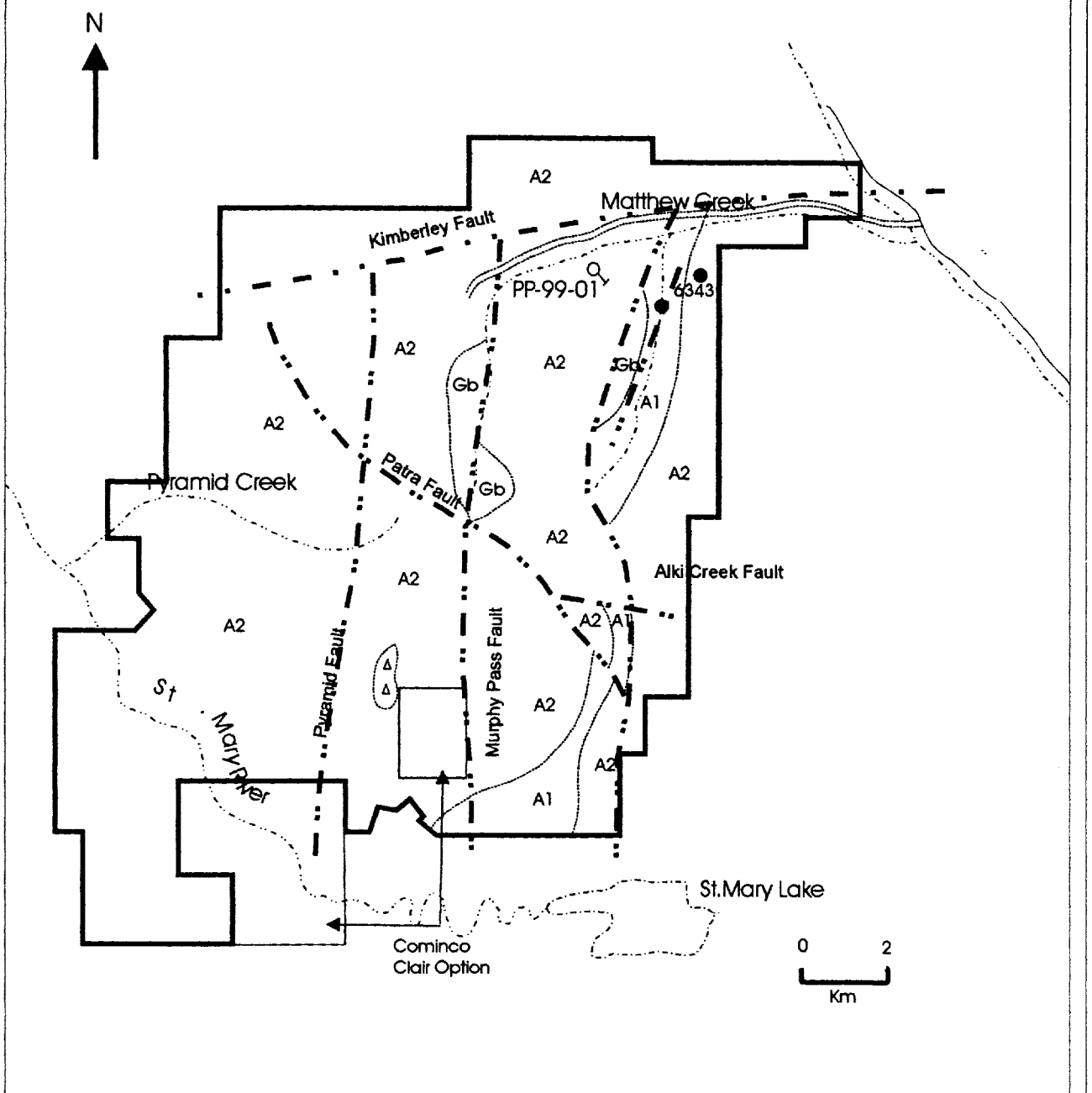
5.1 Objective and Exploration Target

The exploration target for Rio Algom Exploration Inc. on the Pyramid Peak 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 Abitibi Mining Corp.(1997-8), was utilised as a base from which follow up was done.

The objective for the 1999 program was to confirm geology from previous work and to ascertain if location and geometry of the LMC on the property can be detailed for drill testing at depth. Mapping, stratigraphic marker determinations and construction of cross sections was utilized to develop geologic targets for drill testing.

5.2 Procedure

A geological mapping program was conducted between August 3 and September 10, 1999, based out of Kimberley. 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.



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.

Pyramid Peak Property

Property Geology

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

The mapping program was supervised by Siegfried O. Weidner, senior geologist for Rio Algom Exploration Inc. Mapping was completed by Leonard Gal, P.Geo. of Cardinal Exploration Ltd. and Patrick Donnelly, and assisted by Jason Kolcun. Field mapping was concentrated around the position of the LMC as mapped by previous workers, and along sections perpendicular to the LMC spaced at approximately 2 kilometre intervals.

For stratigraphic control purposes, "markers laminites" were sampled from the middle Aldridge Formation. Marker samples were forwarded to Dave Pighin of Supergroup Holdings Ltd. for cutting and identification.

Analytical samples collected were forwarded to Eco-Tech Laboratories of Kamloops, BC for ICP-28 and gold fire assay (FA) analysis.

Diamond drilling of one drill hole was undertaken by Beaupre Diamond Drilling Ltd. out of Princeton, BC.

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 geological cross sections (Map 2).

The following descriptions are derived from mapping and field notes describing outcrop exposures and hand samples. The geological units are listed from oldest to youngest.

Lower Aldridge (A1)

The lower Aldridge strata are thin bedded, fine grained and typically rusty weathering due to disseminated pyrrhotite. Lithologies are mainly wacke, quartzitic wacke and siltstone. Size grading, cross beds and laminations are locally observed. Abundant disseminated biotite and muscovite occur in most beds. Some units with coarser micas are schistose in texture. The lower Aldridge Formation (A1) outcrops on the east side of the property, in the vicinity of Alki Creek.. In "East Creek" the A1 outcrops in a faulted anticlinal core. Medium bedded grey weathering quartzite was mapped in East Creek and west of Alki Creek, and has been correlated with the Footwall Quartzite (FWQ) (Station 333, 334).

Middle Aldridge (A2)

Stratigraphy is comprised of typically medium to thin bedded, fine to medium grained and rusty or grey-brown weathering quartz wackes, quartzitic wackes, subwackes, siltstones and minor argillites. Much of the A2 metasediments comprise thin to medium beds of quartz wacke or quartzitic wacke sometimes coupled with an overlying, thin bed of laminated siltstone. They can be described as A-E turbidites. The A2 beds locally display normal grading, load structures, ripples, cross beds and slumped bedding features. Siltstone and argillite sequences are often rusty weathering, but there are few siltstone

and argillite beds that are thicker than 20cm. The A2 quartz wackes and quartzitic wackes are generally cleaner than the A1 lithologies, with less micas (biotite+muscovite/sericite) in the former. Disseminated iron sulphides in the form of pyrite or pyrrhotite generally make up less than 1.0% by volume. The A2 strata mostly dip gently west, northwest and northeast. In the southwestern part of the property, dips are moderate to the northeast on the west limb of a northwest trending syncline.

From within the A2, a total of twenty laminite markers were identified by Dave Pighin of Supergroup Holdings Ltd. Appendix III contains a list of laminate locations and identifications.

Fragmentals (Frag)

The Clair fragmental is interpreted to cross the St. Mary valley, and can be traced onto the Pyramid Peak property, northwest of St. Mary Lake. Here the fragmental unit occurs at the LMC, but where observed it was thin, with no large clasts. Workers from Abitibi Mining Corp. mapped a significant thickness of fragmental at this locality.

A second fragmental unit occurs on the northwest ridge of Bootleg Mtn., in the southeast part of the property (station 367-369). Here the fragmental unit is massive, conformable and occurs within the middle Aldridge, but not far above the LMC. The rock is grey to slightly rusty weathering, medium grained quartzitic wacke matrix with many small rounded fragments

A fragmental body has been mapped at the Murphy Vent, at the headwaters of Murphy Creek. This occurrence is on competitor's ground and was not visited. To the southwest, a stratiform fragmental sheet was mapped (station PD23-24) that featured strong albite, sericite and biotite alteration.

Abitibi Mining Corp. workers mapped fragmental bodies in the footwall of the Patra Fault, (at Hiawatha time) in A2, as well as at the west side of the headwaters of Matthew Creek. These occurrences were not visited during the current program.

Gabbro (gb)

The Moyie intrusives were observed 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 intrusions. They are dark grey to dark greenish brown on fresh surfaces and weather brown, dark grey or rusty. The intrusives are generally 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.

Gabbro sills (and more rarely, dykes) occur throughout the property. On lower Alki Creek, gabbro sills intrude the A1. Thick sills intrude the A2 on the west side of East Creek, where it is cut off by the Alki Creek Fault. Sills also outcrop on the ridges south of Pyramid Creek. Large sills and irregular gabbro masses outcrop on upper Matthew Creek and the headwaters of Pyramid Creek. These may crosscut stratigraphy in places. A 20m wide, north trending gabbro dyke was mapped on the east side of Murphy Pass. In the southern part of the property, a north trending, 1-2 metre wide lamprophyre occurs (station 337).

6.2 Structure

As indicated earlier, Aldridge strata on the property generally dip moderately to gently westward. Northeastly dips are observed in the southwest corner of the property, on the west limb of a northwest trending syncline. North and northeast dips occur east of East Creek, on the east limb of an anticline cored by A1. Smaller scale folds occur throughout the A2, especially near the Patra Fault. Several faults occur on the Pyramid Peak property. Most are north trending and marked by rusty fracture zones, veins, and locally developed foliation. The major faults are discussed below.

The Kimberley Fault trends east–west on the north side of Matthew Creek. An exposure of the fault zone (station 301) reveals strong shearing and chlorite alteration, and associated quartz veining. The fault zone dips 76 degrees north. Middle Aldridge strata occur in both hangingwall and footwall, except northeast of the property, where A1 may be exposed in the footwall.

The East Creek Fault trends north along East Creek, cutting an anticlinal core. The fault appears to be steep, and a west side down displacement is suggested by the juxtaposition of A1 and A2 strata. The East Creek may be a splay off the Alki Creek fault, or it may extend southward, into Alki Creek. Abitibi Mining Corp. workers mapped the AC Fault in Alki Creek which could be the southward continuation of the East Creek Fault.

The Alki Creek Fault lies east of Alki Creek, then crosses the ridge at the bend in Alki Creek, and continues north on the west side of East Creek. It likely crosses Matthew Creek, and may intersect the Kimberley Fault on the north end of the property. The fault has west side down, normal displacement. It may be related to the East Creek fault, which runs parallel and has similar motion. A thick gabbro sill is cut by the Alki Creek Fault west of East Creek, and down dropped to the west. Strong foliation and fractures mark the fault zone at station PD38. The Alki Fault forms the eastern boundary of the "Clair graben", a north trending fault- bounded zone that hosts the Clair and Murphy fragmental units.

No major fault appears to be located in Matthew Creek where it runs from west to east. Gabbro sills have been mapped across the valley without apparent offset. In upper Matthew Creek, a south trending fault zone passes through Murphy Pass and to the St. Mary River valley. The Murphy Pass fault was observed (station 363, 364) to host strong foliation and chlorite, sericite and albite alteration. Motion on the fault is not certain, but the juxtaposition of strata near the LMC with the Hiawatha marker indicate west side down displacement in the southern part of the property.

The Patra Fault (Alki Fault of Leech, 1957) lies in Murphy Pass, trending northwest to cross the headwaters of Pyramid Creek. It continues southeast along the east side of Mt. Murphy, and into Alki Creek. The Patra Fault has been mapped as a thrust fault, and the offset of stratigraphic marker laminites within the A2 suggest a net displacement of 300m. The Patra Fault dips steeply at the surface (60-80 degrees). Where exposed, the fault is marked by a relatively wide zone of alteration (sericite, chlorite, albite), shearing and strong foliation, and quartz veining. Gabbro bodies are associated with the fault zone, and may have arched up along the zone. Folded strata occur in the hanging wall and footwall. Quartz sulphide veins occur in a linear zone that may be a splay fault in the footwall of the Patra Fault. This area includes the old Wolmer-Warren workings (see below).

6.3 Alteration

A regional greenschist facies metamorphism is overprinted on all rocks on the property. A higher grade zone characterized by sillimanite occurs southeast of 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. Garnet porphyroblasts are rarely seen, except within concretions. These are generally randomly oriented, and often overprint the foliation, if present. Albite, chlorite, biotite and possibly tremolite occur in gabbros.

The most intense 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+/-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.

6.4 Mineralization and Analytical Results

57 rock samples were collected from surface outcrops, for ICP-28 analysis plus gold by fire assay. Samples were collected from mineralized veins, rusty, pyrrhotitic siltstones and fragmental units.

The highest values for base and precious metal mineralization was obtained from select sampling of several quartz sulphide veins exposed by old workings. These veins commonly hosted silver, copper, lead and elevated arsenic. Assay results of samples from the headwaters of Pyramid Creek, including the Warren and Wolmer showings, are presented in Table 1.

Table 1: Significant assays from quartz – sulphide veins

Sample No.	Au (ppb)	Ag (ppm)	As (%)	Cu	Pb	Zn	Comment
7385		68.1		1.26%	6.69%	339 ppm	Vein in trench, Warren showings
7386		18.4		8518ppm	8890ppm	176ppm	Vein in trench, Warren showings
7391	50	30.0		8869ppm		458ppm	Shear in gabbro with malachite
7392		3.4			2064ppm	395ppm	Bedding parallel vein in A2 (near Sundown marker)
7394	40	16.4	6.27		4952ppm	105ppm	Vein in trench, Warren – Wolmer showings
7393		50.2	3.26		5.56%	1107ppm	Vein in trench, Warren – Wolmer showings
7368	30	39.2		4761ppm	1.58%	4.08%	Vein in Gabbro, Gold Ledge showing

Samples from fragmental units were generally not anomalous. Sample 7382 assayed 106 ppm copper.

Samples from or near the LMC exposed northwest of St. Mary Lake were only weakly anomalous.

7.0 Diamond Drilling

7.1 Introduction

One drill hole was completed in the east Matthew Creek area, west of the Alki Creek Fault. The hole was targeted to test the A2-A1R contact (LMC) to evaluate any mud rich units similar to a Sullivan horizon.

Beaupre Diamond Drilling Ltd., of Princeton, B.C. was contracted to supply and operate a helicopter transportable Longyear Super 38 drill rig on the Pyramid property from October 9-10, 1999. Drilling of hole PP-99-1 commenced on October 12, 1999. The hole was drilled at an inclination of –80°, on a bearing of 170°. NQ sized core was drilled to a depth of 1005.2m, with 12.5m of casing. Several Pajari instrument and acid tests were performed to monitor the inclination and azimuth of the drill hole during the drilling. The drill hole produced a considerable amount of water. Following drill activities the hole was plugged with bentonite pellets and a metal/rubber hole plug. The casing was left in place and a cap placed on the casing. The pad area was re-contoured and seeded in accordance with the government permits.

The core was transported to a nearby camp on the Matthew Creek Forest Service Road and logged. Sample intervals were marked out and the core was transported to a private facility where sample intervals were sawed and bagged. The core is stored at the residence of Mr. Glen Rodgers of Abitibi Mining Corp..

The drill log is presented in Appendix VI. Drill core sample assays are listed in Appendix VII. A graphic drill hole section is presented in Appendix II, Map 3.

7.2 Drilling Results

A summary log of drill hole PP-99-1 is presented in Table 2 below:

Table 2: Drill log summary for PP-99-1

Interval (m)	Lithology
0-12.5	Casing
12.5-236.35	A2. Laminated siltsone, mudstone (possible marker laminites at: 40.6m, 75.4m, 119.2m.
236.35-240.85	Gabbro. Fine grained, chloritic, magnetic.
240.85-288.5	A2
288.5-541.5	Gabbro – "Hiawatha sill". Fine to locally coarse grained. Fe sulphide with chalcopyrite in fractures
541.5-601.8	A2
601.8-602.7	Gabbro: chloritic altered, fine grained
602.7-824.6	A2. Laminated siltsone, mudstone (possible marker laminites at 626.1m, 663.4m, 713.2m, 725.1m, 744.0m
	Fault Zone with shearing, gouge, breccia, strong foliation
	Fault Zone with shearing, gouge, breccia, strong foliation
824.6-854.4	Gabbro: fine to medium grained
854.4-912.8	A2. Gradational change to A1. Base of A2 at base of lowest, 20-30cm thick bed of clean grey quartz wacke.
912.8-987.3	A1. Thin bedded, biotite rich
987.3-1005.2	Granitoid. Medium grained, light coloured quartz diorite or tonalite. Contact with A1 probably faulted (gouge, fracturing, chlorite alteration and veining).
1005.2	End of hole

7.2 Drill Hore Summary

The hole was collared in middle Aldridge. No definite markers were identified, although it was estimated from mapping that the collar was positioned at the Lamb or Monroe markers. Laminites at 119.2 metre depth were tentatively correlated with Hiawatha. Disrupted laminites at 713.2 metre were inferred to be Fringe marker. The A2 was quite thin bedded. Clearly defined A-E turbidite couplets were not readily identified, perhaps due to internal stratification and laminations within wacke beds. Clean, light grey quartz wacke occurred in 2–20 metre thick packages throughout the A2 (e.g., 614-624 metres).

Disturbed beds were generally apparent only in the laminated fine-grained wacke and siltstone beds. These comprised slump structures, soft sediment folds, pulled apart and disaggregated beds. Locally a weak foliation was outlined by biotite in the fine-grained beds. Disrupted beds and fragmental beds were more common below the thick gabbro sill at 288.5-541.5metres. The fragmental units were generally 1-60 centimetres thick; often associated with fine grained disrupted beds, but also within quartz wacke beds. The fragments were angular to rounded, generally elongate and often flattened preferentially parallel to bedding planes. Siltstone–mudstone fragments were most common. Chlorite, sericite and local albite and tourmaline alteration of fragments was observed. Some fragments were biotized with albite rims. As well

as being concentrated in bedding parallel layers, many fragments occurred singly or sparsely disseminated. These single fragments were locally albitized, tourmalinized, or sulphide replaced.

Certain beds are altered with disseminated coarse flakes of muscovite and/or biotite, likely due to regional metamorphism. Numerous fine chlorite, calcite, quartz, biotite and pyrrhotite fractures occurred throughout. Fractures were both straight and irregular, often with fuzzy outlines and altered (chlorite, sericite, etc.) envelopes. Fractures and veinlets (quartz and/or calcite with chlorite, biotite, epidote, sericite and sulphides (mostly pyrrhotite, also pyrite, chalcopyrite, galena, sphalerite) were generally thin (<1cm). Chloritic shears and chlorite–clay-graphite gouge zones were small and uncommon.

Bedding was generally consistent at about 80 degrees to the core axis. Below the thick sill, several 2-10 cm thick bedding parallel zones where pyrrhotite (plus trace chalcopyrite, sphalerite) was disseminated up to 3-10% (by volume), were present. Also below the thick sill, the A2 was more light brown than grey in colour, due to increased biotite.

The LMC was placed at 912.8, although the contact was quite gradational. It was placed at the base of the last 15-30 centimetre thick light grey quartz wacke bed. The gradational change to increased amount of biotite and disseminated pyrrhotite, and finer grained wacke and siltstone beds, marked the change to A1. The A1 is thin bedded, fine grained quartzitic wacke mainly, with some quartz wacke and a little siltstone. The siltstone beds are commonly altered to sericite (muscovite) sub schist. Considerable disrupted bedding was observed. The A1 was marked by brown, biotite rich fine grained wacke or siltstone beds over one metre thick. These beds were massive to finely laminated or locally thin bedded. The thickest of these massive siltstone units was correlated with a Sullivan Horizon equivalent.

The A1 passed (through probable fault contact) into medium grained, light coloured quartz diorite or tonalite intrusive. The contact was marked by chlorite alteration in both units, as well as quartz veining and some clay gouge. The intrusive was interpreted to be Cretaceous in age, similar to the Hall Lake stock. The lack of contact metamorphism in the A1 was further evidence for a faulted contact.

7.3 Drill Core Geochemistry Results

A total of 72 core samples were split with a diamond saw, and half of the interval sent to Eco-Tech Labs for ICP-28 analysis and gold by fire assay. Sampling was geared mainly to the silty, laminated horizons that were thought to be more prospective for anomalous base metals. Much of the lower Aldridge was sampled on continuous 1-2 metre intervals. Veins and other mineralized structures were also sampled, as well as more unaltered rocks to serve as a baseline for geochemical values.

Overall, base metal assay results were low to weakly anomalous. Lead values ranged up to 246 ppm Pb over 1.4 metres. The sample (231.6-233m, sample7512) was located in slightly chlorite altered A2, including a pyrite-chlorite-quartz shear. Mineralization was likely from this or a similar shear of fracture. Arsenic was 525 ppm As over this interval.

Zinc values ranged as high as 272 ppm Zn over an 80cm interval (703.4-704.2m, sample 7524). This sample from the A2 contained some quartz-chlorite fractures. Several samples of laminated siltstone and mudstone from the A1 (including the Sullivan Horizon) yielded assays of 100-228 ppm Zn, and 14-86 ppm Pb. These values are considered only weakly anomalous.

Very few other samples were anomalous in any metals or associated elements. Two strongly biotitic and graphitic sheared intervals with euhedral arsenopyrite crystals yielded high arsenic (772.8-773.3m, sample 7528, 7950 ppm As; 959.5-959.9m, sample 7555, 9900 ppm As). Sample 7555 also yielded 0.4 ppm Ag. No other precious metal anomalies were encountered.

8.0 Summary and Conclusions

The Pyramid Peak property comprises 87 mineral claims with a total of 476 claim units. The property is situated west of Kimberley, and north and west of the St. Mary River. The property covers exposures of the Proterozoic lower and middle Aldridge Formations of the Purcell Supergroup. The Aldridge Formation, particularly the lower–middle contact (LMC) was of interest because at Kimberley, B.C., the Sullivan Mine is hosted just below the LMC.

The 1999 exploration program on the Pyramid Peak property consisted of geological mapping, rock sampling and the collection and identification of stratigraphic markers. The aim was to understand the geometry of the LMC, to look for possible drill targets that could test the LMC at depth, where surface or near surface data did not already suggest that no massive sulphide occurred at the horizon. Geochemistry results revealed no significant anomalies in fragmental units, and only weak anomalies in prospective siltstone–argillite units near the LMC. Certain quartz sulphide veins yielded high silver, copper and lead and arsenic.

One diamond drill hole was collared on the south side of Matthew Creek, west of the Alki Creek Fault. The drill hole cored A2 and a thick gabbro sill. The transitional contact with A1 was determined at 912.8 metres. Sampling of the siltstone-mudstone packages of the A1 yielded only weak lead and zinc anomalies. Almost 75 metres of A1 stratigraphy was tested below the LMC. The hole was terminated in a Cretaceous(?) intrusive unit.

While hole PP-99-1 yielded only weak anomalies at the LMC, several other geological targets remain on the property. A second drill hole is recommended to test the LMC west of the Alki Creek fault and south of PP-99-1. Anomalous base metal values at a Sullivan Horizon could then be used as a vector with which to proceed with follow up drilling. Negative results would likely move drill exploration to a neighbouring fault block.

9.0 Statement of Expenditures

The following expenses were incurred on the Pyramid Peak property:

Personnel (includes benefits, H.O. Supervision)		
Leonard Gal, P.Geo*	39 days @ $300/day	$11,700
Patrick Donnelly, Assistant	60 days @ $150/day	$ 9,000
Jason Kolcun	9 days @ $130/day	$ 1,170
Lloyd Addie	12 days @ $150/day	$ 1,800
Siegfried Weidner**	35 days @ $310/day	$10,850
Airfares		
Vancouver – Cranbrook (x3)		$ 2,150
Accommodation		
Hotel/Motel for crew and		$ 6,466
Meals		
$35/day/2man crew		$ 2,689
Groceries		
Field Supplies/Lunches (2-4 men)		$ 1,693
Field Supplies		
Equipment rental, consumables, maps, reports		$ 3,879
Transportation (includes gasoline)		
Truck Rental, ATV, car rental, core transport		$11,919
Helicopter and Fuel		
Bighorn Helicopters, Cranbrook		$18,202
Drilling		
Beaupre Diamond Drilling		$67,640
Ramrod Exploration Services		$ 2,770
Consultants		
Supergroups Holdings Ltd.		$ 3,445
G. Rodgers		$ 1,730
P. Ransom		$ 250
Analytical		
Eco-Tech Laboratories, Kamloops		$ 1,222
Miscellaneous		
Drafting/Reproductions		$ 2,315
Total		**$160,890**

* Mapping, Report writing and drafting

** Supervision, reporting, interpretation

10.0 Statement 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 Kitchener South option property and have detailed knowledge of the contents of this report.

Dated this 10th day of December, 1999

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

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APPENDIX I

Property Claim Status

Pyramid Peak Property
Claim Schedule

AREA	OWNER	Party	NO	CLAIMS	FMC	NTS	REG DATE	EXPIRY	DISTRICT	UNITS
Pyramid	Abitibi	Abitibi	346544	CLEO 28	122797	082F09E	19960531	20010116	Fort Steele	18
Pyramid	Abitibi	Abitibi	346545	CLEO 29	122797	082F09E	19960604	20010116	Fort Steele	18
Pyramid	Abitibi	Abitibi	346928	PMR 40	122797	082F09W	19960615	20010116	Fort Steele	20
Pyramid	Abitibi	Abitibi	347510	CLEO 20	122797	082F09W	19960627	20010116	Fort Steele	20
Pyramid	Abitibi	Abitibi	347511	CLEO 21	122797	082F09E	19960627	20010116	Fort Steele	20
Pyramid	Abitibi	Abitibi	347512	PMR 41	122797	082F09W	19960620	20010116	Fort Steele	20
Pyramid	Abitibi	Abitibi	347513	PMR 42	122797	082F09W	19960620	20010116	Fort Steele	1
Pyramid	Abitibi	Abitibi	347514	PMR 43	122797	082F09W	19960620	20010116	Fort Steele	1
Pyramid	Abitibi	Abitibi	348088	PMR 44	122797	082F09W	19960712	20010116	Fort Steele	20
Pyramid	Abitibi	Abitibi	348090	PMR 46	122797	082F09W	19960710	20010116	Fort Steele	20
Pyramid	Abitibi	Abitibi	348092	PMR 48	122797	082F09W	19960712	20010116	Fort Steele	1
Pyramid	Abitibi	Abitibi	348097	PMR 53	122797	082F09W	19960711	20010116	Fort Steele	1
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Pyramid	Abitibi	Abitibi	351731	CLEO 30	122797	082F09E	19961013	20020116	Fort Steele	15

Pyramid Peak Property
Claim Schedule

AREA	OWNER	Party	NO	CLAIMS	FMC	NTS	REG DATE	EXPIRY	DISTRICT	UNITS
Pyramid	Abitibi	Abitibi	364729	CLEO 22	122797	082F09E	19980812	20020116	Fort Steele	20
Pyramid	Abitibi	Abitibi	368082	Cleo99-1	122797	082F09E	19990315	20020116	Fort Steele	20
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Pyramid	Abitibi	Abitibi	348101	PMR 57	122797	082F09W	19960711	20050116	Fort Steele	1

Pyramid Peak Property
Claim Schedule

AREA	OWNER	Party	NO	CLAIMS	FMC	NTS	REG DATE	EXPIRY	DISTRICT	UNITS
Pyramid	Abitibi	Abitibi	348102	PMR 58	122797	082F09W	19960709	20050116	Fort Steele	1
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Pyramid	Abitibi	Abitibi	351734	CLEO 32	122797	082F09E	19961014	20050116	Fort Steele	1
Pyramid	Abitibi	Abitibi	357995	PMR 65	122797	082F09E	19970716	20050116	Fort Steele	1
Pyramid	Abitibi	Abitibi	338375	PMR 13	122797	082F09E	19950725	20060116	Fort Steele	1
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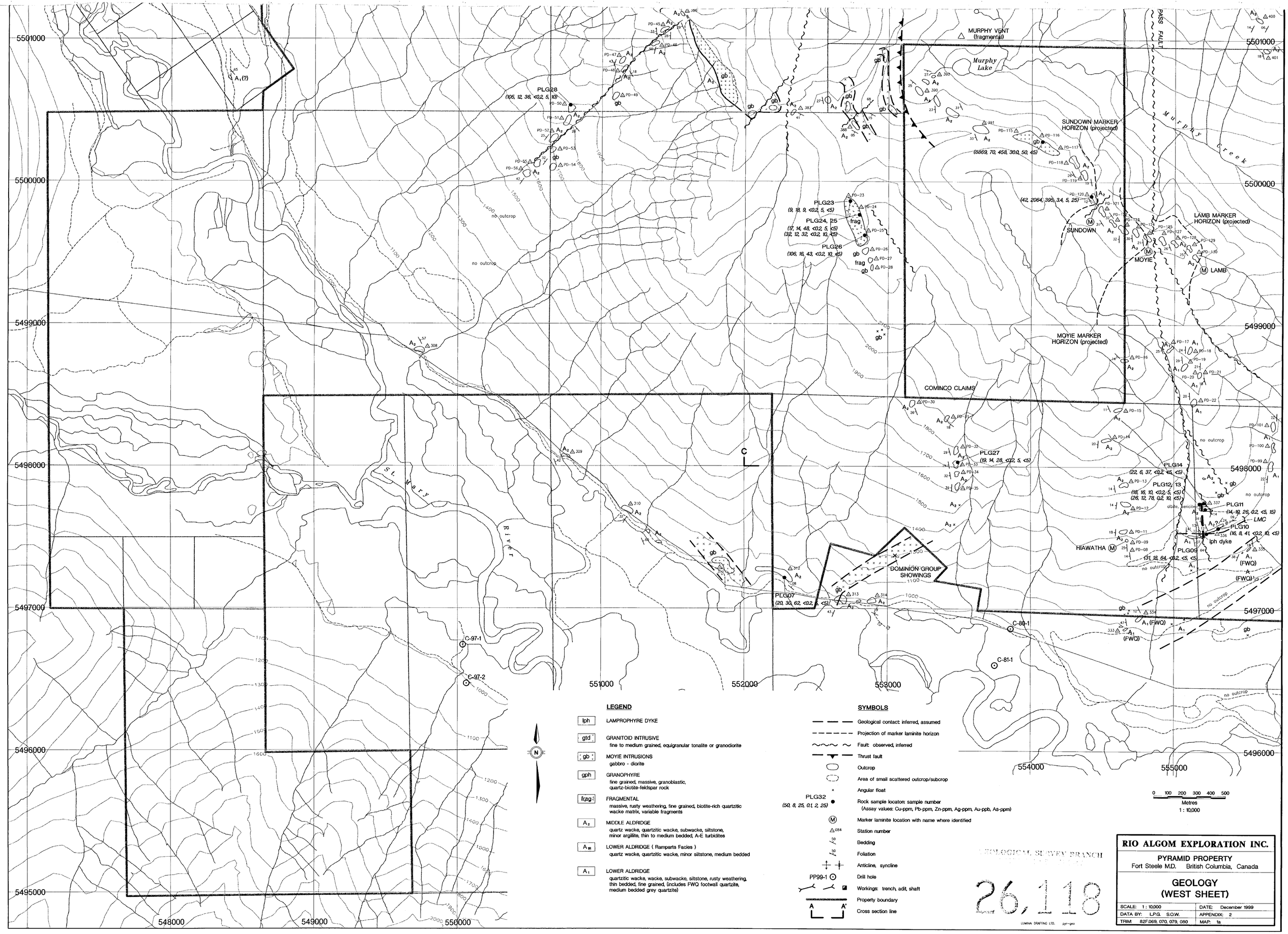
Updated: Dec.01/99 87 476

APPENDIX II

Geology Maps and Sections



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_{2R}	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 locaton: 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

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

GEOLOGICAL SURVEY BRANCH

26,118

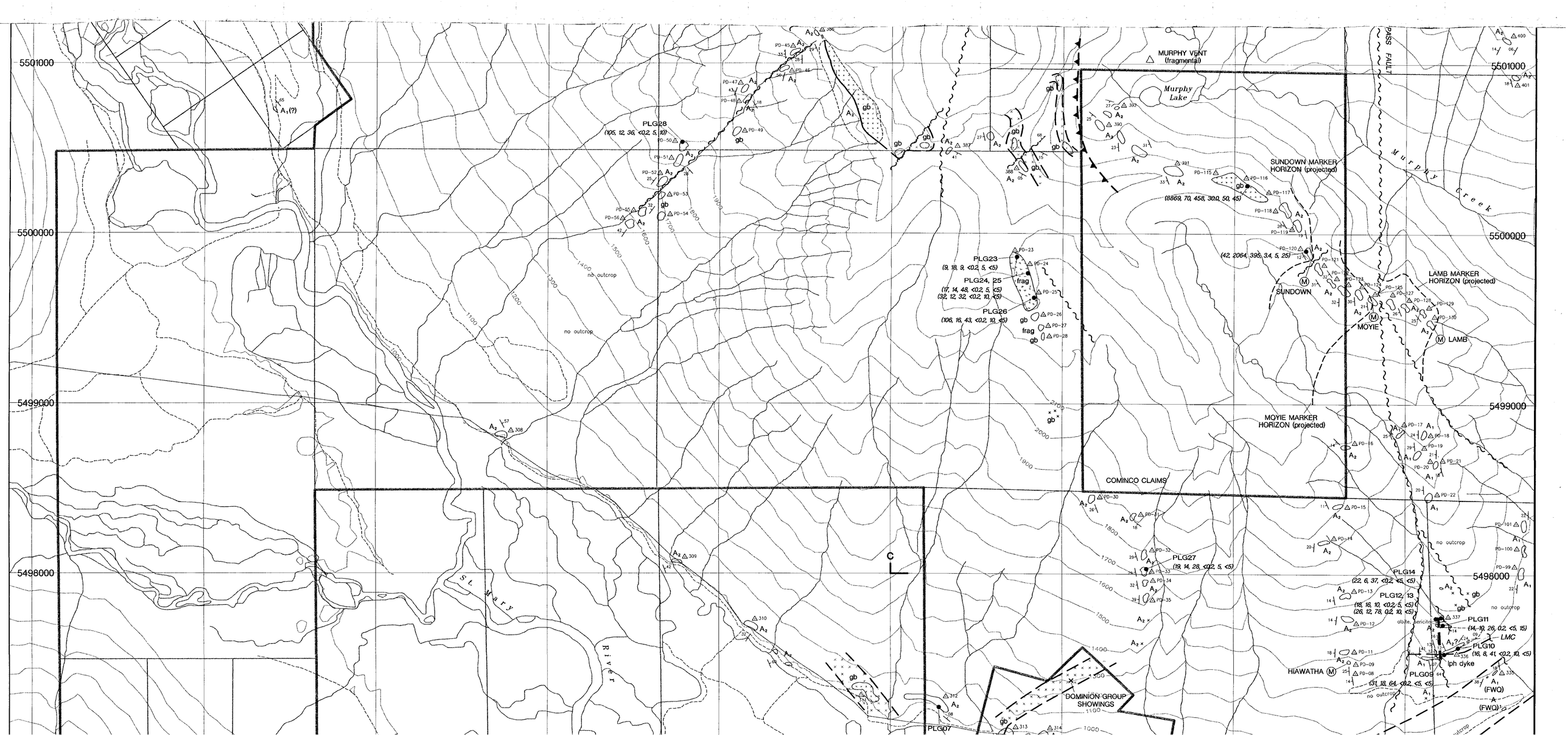
LUMINA DRAFTING LTD. pyr-geo

RIO ALGOM EXPLORATION INC.

PYRAMID 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.069, 070, 079, 080	MAP: 1a


5501000
5500000
5499000
5498000
MURPHY VENT
(fragmental)
Murphy Lake
PASS FAULT
Murphy Creek
SUNDOWN MARKER
HORIZON (projected)
(8869, 70, 458, 30.0, 50, 45)
SUNDOWN
LAMB MARKER
HORIZON (projected)
(42, 2064, 395, 3.4, 5, 25)
MOYIE
LAMB
MOYIE MARKER
HORIZON (projected)
PLG28
(105, 12, 36, <0.2, 5, 10)
PLG23
(9, 18, 9, <0.2, 5, <5)
PLG24, 25
(17, 14, 48, <0.2, 5, <5)
(32, 12, 32, <0.2, 10, <5)
PLG26
(106, 16, 43, <0.2, 10, <5)
PLG27
(19, 14, 28, <0.2, 5, <5)
COMINCO CLAIMS
PLG14
(22, 6, 37, <0.2, <5, <5)
PLG12, 13
(18, 16, 10, <0.2, 5, <5)
(26, 12, 78, 0.2, 10, <5)
PLG11
(14, 19, 26, 0.2, <5, 15)
LMC
PLG10
(16, 8, 41, <0.2, 10, <5)
lph dyke
PLG09
(31, 18, 64, <0.2, <5, <5)
HIAWATHA
DOMINION GROUP
SHOWINGS
PLG07
St. Mary River
no outcrop
frag
gb
dbke, sericite
(FWQ)
A
A'
C
A1(?)
A2
A1

556000 557000 558000 559000 560000 561000 562000 563000 564000

5508000 5507000 5506000 5505000 5504000 5503000 5502000

MEADOWBROOK (M)

MEADOWBROOK MARKER HORIZON (projected)

MEADOWBROOK (M)

MEADOWBROOK MARKER HORIZON (projected)

PLG16
(10, 10, 9, 0.6, 5, 15)

quartz veinlet, sericite alteration

PLG17
(2, 10, 34, <0.2, 5, <5)

PLG15
(31, 16, 188, <0.2, 5, <5)

PLG06
(11, 8, 34, 0.2, <5, <5)

KIMBERLEY FAULT

DDH PP99-1
(Rio Algom, 1999)

PLG32
(190, 66, 85, <0.2, 5, <5)

PLG31
(82, 164, 56, <0.2, 5, <5)

EAST CREEK FAULT

C-88-1

MONROE MARKER HORIZON (projected)

KID (M)

MOYIE (M)

MONROE (M)

MOYIE MARKER HORIZON (projected)

ALKI CREEK FAULT

East Creek

LMC

PLG08
(29, 16, 69, <0.2, 5, <5)

HIAWATHA ? (M)

PLG04
(30, 36, 60, 0.4, 5, <5)

PLG05
(26, 28, 121, <0.2, 10, 15)

SUNDOWN (M)

KID (M)

PLG03
(17, 10, 29, <0.2, 5, <5)

PLG02
(56, 14, 76, <0.2, 10, <5)

PLG01
(12, 8, 77, <0.2, 5, 10)

FWQ?

FWQ

A'

B'

no outcrop

WEST SHEET MAP AREA

CLAIM BLOCK

EAST SHEET MAP AREA

INSET MAP 1 : 100,000

PATRA FAULT

LMC (?)

ALKI CREEK FAULT

FWQ?

LMC

Atki Creek

C

C'

chlorite altered, sheared

PLG19, 20
(7, 28, 80, <0.2, 5, <5)
(21, 36, 51, <0.2, 5, <5)

frag

Bootleg Mountain

PD-105
(38, 46, 164, <0.2, 10, 5)

PD-106

PD-107

(FWQ?)

no outcrop

no outcrop

S T. M A R Y ' S
L A K E

5501000
5500000
5499000
5498000
5497000
5496000
5495000

556000
557000
558000
559000
560000
561000
562000
563000
564000

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_{2R}	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 locaton: sample number (Assay values: Cu-ppm, Pb-ppm, Zn-ppm, Ag-ppm, Au-ppb, As-ppm)
- 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

26,118

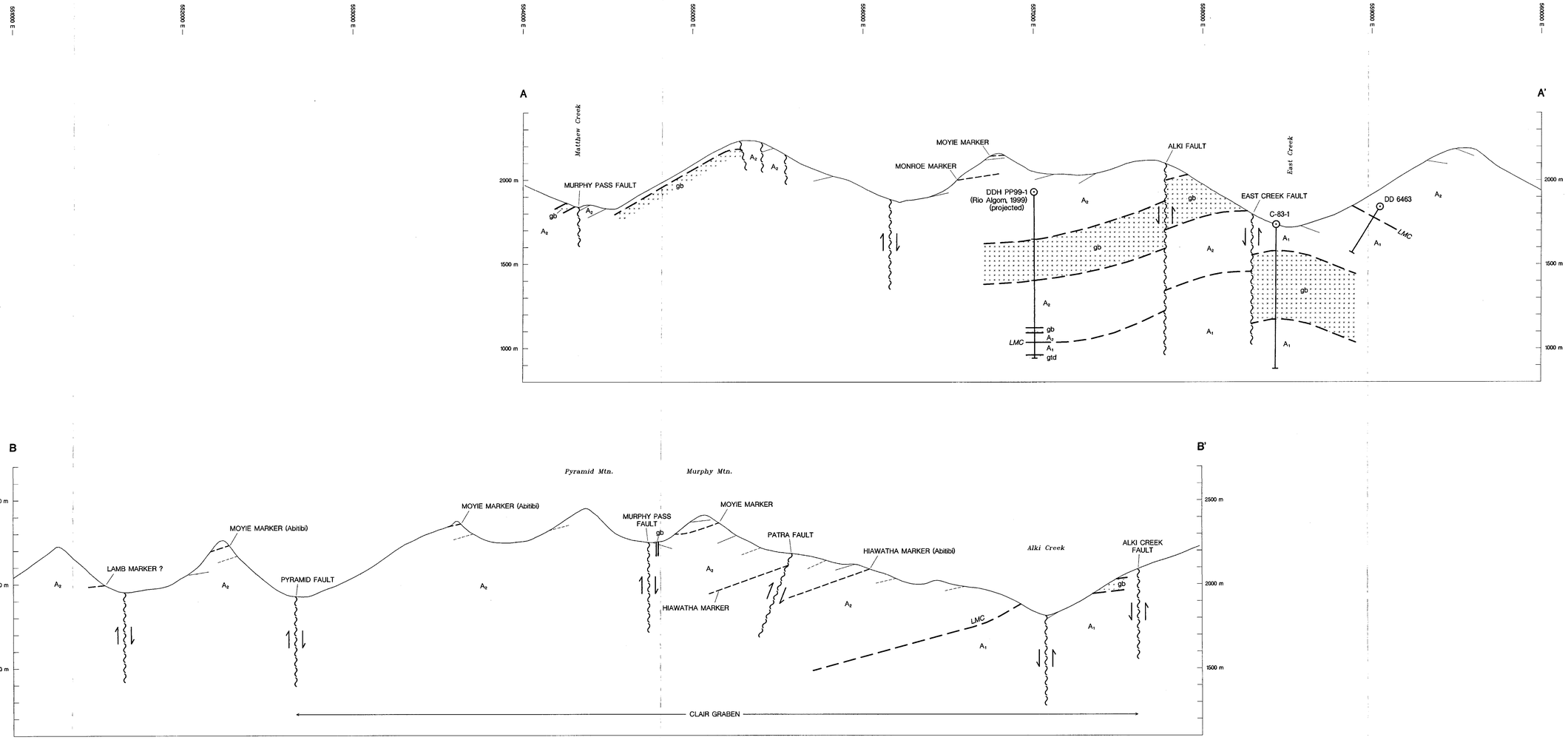
LUMINA DRAFTING LTD. py-geo

RIO ALGOM EXPLORATION INC.

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

GEOLOGY (EAST SHEET)

SCALE: 1 : 10,000	DATE: December 1999
DATA BY: L.P.G. S.O.W.	APPENDIX: 2
TRIM: 82F.069, 070, 079, 080	MAP: 1b



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 laminate horizon
- Fault: observed, inferred
- Thrust fault
- Measured bedding attitude
- PP99-1 ⊙ Drill hole
- Measured bedding attitude by Abitibi Mining Corp.
- (Abitibi) Mapped by Abitibi Mining Corp. (1998)

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

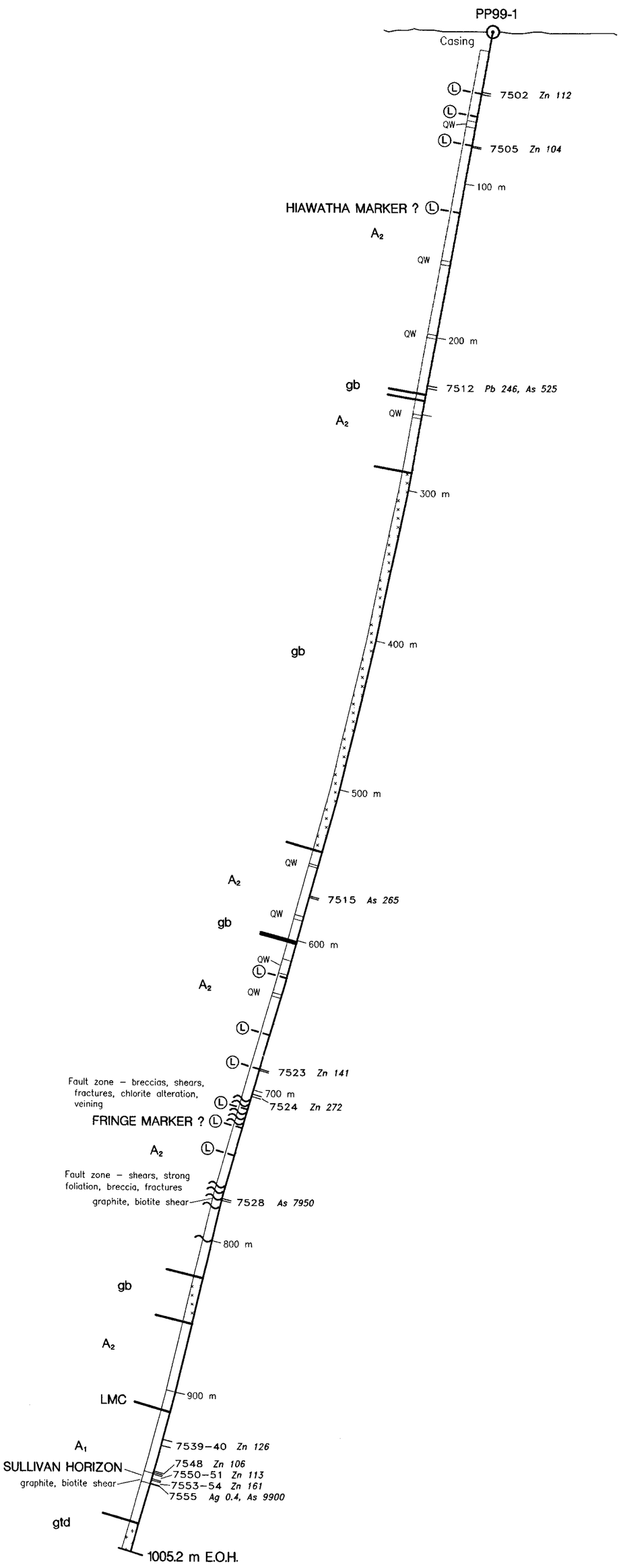
RIO ALGOM EXPLORATION INC.

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

GEOLOGICAL CROSS SECTION
A-A', B-B', C-C'

SCALE: 1 : 10,000	DATE: December 1999
DATA BY: LPG, SGW.	APPENDIX: 2
TRIM: 82F.069, 070, 079, 080	MAP: 2

LUMINA DRAFTING LTD. ppr-141



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

Ⓛ– – Laminated siltstone: possible marker horizon

QW Quartz wacke (within A_2)

7528 *As 7950* Sample number with assays
Note: assays ppm unless otherwise noted

0 20 40 60 80 100
Metres
1 : 2,000

LUMINAI DRAFTING LTD. pyr–ddh

RIO ALGOM EXPLORATION INC.

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

DRILL HOLE SECTION
PP99-1

SCALE: 1 : 2,000	DATE: December 1999
DATA BY: L.P.G. S.O.W.	APPENDIX: 2
TRIM: 82F.069, 070, 079, 080	MAP: 3

APPENDIX III

Time Stratigraphic Marker Horizons (Marker Laminites)

Station Number	Marker Horizon	Comments
297	Moyie	Matched
354	Meadowbrook	Matched
358	Meadowbrook	Matched
381	Sundown	Matched
382	Sundown	Questionable match
319	Moyie	Standard 17
318	Monroe	Matched
346	Kid	Matched
380	Kid	Matched
393	Moyie	Matched
398	Moyie	Matched
298	Kid	Standard 7
295	Kid	Matched (PD match was Hiawatha?)
420	Meadowbrook	Matched
414	Ginty	Questionable match
PD-9	Hiawatha	Matched
PD-62	Sundown	Matched
PD-140	Falls	Questionable match
PD-66	Sundown	Matched
PD-120	Sundown	Matched
PD-125	Moyie	Matched
PD-130	Lamb	Matched
PD-124	Moyie	Matched
PD-138	Lamb	Matched
PD-1	Yes	No match obtained
298	Yes	No match obtained
321	Yes	No match obtained
389	Yes	No match obtained
408	Yes	No match obtained

APPENDIX IV

Analytical Sample Descriptions

Tag Number	Sample Number	Station Number	Formation	Description
PLG01	7351	287	A2	Rusty weathering, medium gray wacke with disseminated pyrrhotite
PLG02	7352	287	A2	Rusty weathering wacke with pyrrhotite
PLG03	7353	288	A2	Rusty micaceous bed in quartz wacke
PLG04	7354	295	A2	Rusty weathering laminite
PLG05	7355	295	Gabbro	Brecciated gabbro
PLG06	7356	301	Fault zone	Fault breccia with quartz stringers
PLG07	7357	312	A2	Rusty weathering quartzite
PLG08	7358	318	A2	Thin bedded rusty weathering marker
PLG09	7359	336	A1-A2	Thin bedded rusty weathering and malachite stain? On micaceous fine grained subwacke
PLG10	7360	336	A1-A2	Thin bedded rusty weathering quartz wacke with disseminated pyrrhotite
PLG11	7361	337	A1-A2	Rusty weathering quartz wacke with disseminated pyrhhotite
PLG12	7362	337	A1-A2	Albite-sericite altered wacke from shear zone
PLG13	7363	337	A1-A2	Rusty and yellow stained, sericite altered siltstone-wacke
PLG14	7364	337	A1-A2	rusty weathering quartz wacke with disseminated pyrrhotite
PLG15	7365	348	A2	Rusty weathering dark grey argillite – siltstone with disseminated pyrrhotite
PLG16	7366	352	A2	Slightly rusty, chlorite – sericite altered grey-green siltstone
PLG17	7367	353		Brecciated quartz stringers with pyrite, chlorite; in fault zone
PLG18	7368		Gabbro	Vein in adit at head of Matthew Ck., galena
PLG19	7371	367	Fragmental	Fragmental, granophyric(?) texture
PLG20	7372	367	Fragmental	Quartz wacke matrix fragmental
PLG21	7373	408	A2	20cm chip of blue-grey siltstone, very rusty, with pyrrhotite disseminated and concentrated along laminae
PLG22	7374	417	A2	blue-grey siltstone, very rusty, with pyrrhotite disseminated. Adjacent to gabbro sill
PLG23	7379	PD-23	Fragmental	
PLG24	7380	PD-24	Fragmental	
PLG25	7381	PD-24	Fragmental	
PLG26	7382	PD-25	A2	Altered A2 with chlorite aggregates
PLG27	7383	PD-33	A2	Rusty weathering, dark grey biotite rich wacke
PLG28	7384	PD-50	Gabbro	
PLG29	7385	PD-58	Vein	30-60cm quartz vein with biotite-chlorite envelope, near gabbro sill contact
PLG30	7386	PD-58	Vein	Rusty
PLG31	7387	PD-69	A1	Grab rusty fracture zone
PLG32	7388	PD-74	A1	Grab rusty fracture zone
PD-89	7389	PD-89	Gabbro	Float; disseminated chalcopyrite in gabbro
PD-106	7390	PD-106	A1	Quartz vein with galena
PD-116	7391	PD-116	Gabbro	Malachite bearing shear in gabbro
PD-120	7392	PD-120	A1	Bedding parallel quartz vein with galena
PD-132	7393	PD-132	Quartz vein	Galena, arsenopyrite in vein in trench
PD-135	7394	PD-135	Quartz vein	Galena, arsenopyrite in vein in trench

APPENDIX V

Analytical Results

25-Aug-99

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

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

ICP CERTIFICATE OF ANALYSIS AK 99-379

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

ATTENTION: SIG WEIDNER

No. of samples received: 20
Sample type: Rock
PROJECT #: 9903
SHIPMENT #: None Given
Samples submitted by: P. Donnelly

Values in ppm unless otherwise reported

Et #.	Tag # (station)	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
1	7351 A297	5	<0.2	0.98	10	115	5	0.08	<1	5	78	12	2.32	20	0.52	281	<1	0.02	4	350	8	<5	<20	5	0.12	<10	16	<10	26	77
2	7352 297	10	<0.2	1.42	<5	95	<5	0.08	<1	28	89	56	4.02	10	0.65	304	<1	0.02	35	300	14	<5	<20	2	0.13	<10	23	<10	16	76
3	7353 298	5	<0.2	0.85	<5	70	5	0.14	<1	5	62	17	2.73	40	0.55	232	<1	0.03	4	430	10	<5	<20	5	0.11	<10	12	<10	21	29
4	7354 295	5	0.4	1.04	<5	55	<5	0.10	<1	5	69	30	3.13	10	0.65	264	2	0.01	5	660	36	<5	<20	<1	0.04	<10	12	<10	15	60
5	7355 295	10	<0.2	1.60	15	100	10	0.04	<1	20	59	26	3.66	20	0.70	506	2	0.01	42	550	28	<5	<20	11	0.06	<10	28	<10	17	121
6	7356 A301	<5	0.2	1.94	<5	60	10	0.24	<1	17	61	11	3.08	20	1.87	326	<1	0.01	14	720	8	15	<20	1	0.09	<10	20	<10	36	34
7	7357 312	5	<0.2	1.72	<5	205	20	0.10	<1	10	59	20	3.72	20	0.92	508	<1	0.02	7	440	30	5	<20	<1	0.19	<10	23	<10	33	62
8	7358 319	<5	<0.2	1.31	<5	75	10	0.25	<1	13	78	29	3.11	30	0.74	523	<1	0.02	18	640	16	<5	<20	4	0.11	<10	16	<10	57	69
9	7359 336	<5	<0.2	1.17	<5	95	5	0.08	<1	18	79	31	2.92	<10	0.55	385	<1	0.02	28	240	18	<5	<20	2	0.11	<10	16	<10	32	64
10	7360 336	10	<0.2	1.04	<5	95	5	0.06	<1	7	72	16	2.46	<10	0.48	210	<1	0.01	9	290	8	<5	<20	2	0.09	<10	11	<10	28	41
11	7361 337	<5	0.2	0.91	15	75	<5	0.11	<1	4	67	14	2.50	20	0.53	180	<1	0.01	5	370	10	<5	<20	4	0.04	<10	8	<10	10	26
12	7362 337	5	<0.2	0.51	<5	25	<5	0.06	<1	4	85	18	1.64	10	0.30	134	<1	0.03	2	460	16	<5	<20	5	0.10	<10	31	<10	19	10
13	7363 337	10	0.2	1.14	<5	90	5	0.15	<1	13	104	26	2.42	30	0.84	372	3	0.03	19	440	12	10	<20	5	0.08	<10	23	<10	57	78
14	7364 337	<5	<0.2	0.77	<5	70	<5	0.11	<1	10	70	22	2.35	20	0.41	228	2	0.01	18	470	6	<5	<20	<1	0.05	<10	6	<10	36	37
15	7365 348	5	<0.2	1.40	<5	60	<5	0.10	<1	20	53	31	2.32	20	1.00	343	<1	0.01	37	470	16	10	<20	9	0.11	<10	13	<10	58	188
16	7366 352	5	0.6	0.59	15	25	<5	0.01	<1	2	58	10	1.47	10	0.30	49	3	0.02	3	380	10	<5	<20	2	<0.01	10	8	<10	6	9
17	7367 353	5	<0.2	2.67	<5	30	15	<0.01	<1	5	60	2	6.07	<10	2.21	168	6	0.02	48	400	10	<5	<20	<1	<0.01	10	44	<10	<1	34
18	7368 PLG18	30	>30	0.30	495	30	<5	0.31	307	30	134	4761	3.13	<10	0.19	373	<1	<0.01	5	<10	>10000	<5	<20	11	<0.01	<10	10	<10	<1	>10000
19	[redacted]																													
20	[redacted]																													

RIO ALGOM EXPLORATION LTD.

ICP CERTIFICATE OF ANALYSIS AK 99-379

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
QC DATA:																														
Resplit:																														
1	7351	5	<0.2	0.94	5	105	10	0.07	<1	5	71	11	2.25	20	0.51	266	<1	0.02	3	350	10	<5	<20	<1	0.11	<10	15	<10	24	70
Repeat:																														
1	7351	5	<0.2	0.96	<5	110	10	0.08	<1	5	76	11	2.29	20	0.51	270	<1	0.02	3	350	8	<5	<20	3	0.12	<10	16	<10	26	76
10	7360	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	7361	-	0.2	1.00	10	80	5	0.08	<1	6	69	16	2.39	<10	0.46	197	<1	0.01	6	350	12	<5	<20	3	0.09	10	11	<10	14	28
Standard:																														
GEO'99		120	1.0	1.76	70	160	<5	1.85	<1	18	66	87	3.84	<10	0.98	655	<1	0.02	24	700	24	10	<20	61	0.09	<10	71	<10	8	72

df/339
XLS/99
Fax: 604-669-0447

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 99-379

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

25-Aug-99

ATTENTION: SIG WEIDNER

No. of samples received: 20
Sample type: Rock
PROJECT #: 9903
SHIPMENT #: None Given
Samples submitted by: P. Donnelly

ET #.	Tag #		Ag (g/t)	Ag (oz/t)	Pb (%)	Zn (%)
18	7368	PLG18	39.2	1.14	1.58	4.08

QC/DATA:
Standard:

Mp-IA	70.0	2.04	4.32	
CPb-1				4.40

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

XLS/99

17-Sep-99

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

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

ICP CERTIFICATE OF ANALYSIS AK 99-469

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

ATTENTION: SIG WEIDNER

No. of samples received: 18
Sample type: Rock
PROJECT #: 9903
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	7371	Δ367	5	<0.2	1.36	<5	110	<5	0.19	<1	8	168	71	2.51	<10	0.74	464	<1	0.06	12	430	28	10	<20	9	0.14	<10	35	<10	25	80
2	7372	367	5	<0.2	1.19	<5	70	10	0.07	<1	6	134	21	2.39	10	0.69	328	1	0.04	5	300	36	10	<20	1	0.16	<10	35	<10	21	51
3	7373	408	<5	<0.2	1.26	<5	55	15	0.23	<1	9	74	25	2.64	10	0.96	312	4	0.01	13	850	16	10	<20	<1	0.10	<10	11	<10	28	46
4	7374	417	5	<0.2	0.92	75	65	<5	0.03	<1	7	68	67	2.25	20	0.43	159	7	0.01	8	610	30	<5	<20	24	0.01	<10	7	<10	4	66
5	7375		<5	<0.2	0.66	<5	35	<5	0.36	<1	8	215	88	3.03	<10	0.62	163	14	0.01	42	1100	30	<5	<20	2	0.05	<10	61	<10	9	38
6	7376		10	<0.2	0.94	<5	25	10	0.16	<1	5	170	34	3.11	<10	1.02	98	15	0.02	16	690	12	10	<20	<1	0.08	<10	74	<10	2	23
7	7377		5	<0.2	0.86	<5	30	5	0.22	<1	10	157	77	4.04	<10	0.91	148	14	0.02	53	640	10	5	<20	<1	0.05	<10	59	<10	3	122
8	7378		5	<0.2	0.34	<5	30	10	0.30	<1	8	193	53	3.61	<10	0.13	50	20	0.02	42	630	14	<5	<20	6	0.07	<10	26	<10	4	17
9	7379	PD23	5	<0.2	0.50	<5	30	<5	0.06	<1	4	230	9	1.08	30	0.25	130	4	0.04	11	130	18	<5	<20	<1	0.02	<10	10	<10	19	9
10	7380	PD24	5	<0.2	1.75	<5	90	<5	0.11	<1	12	45	17	3.43	60	0.62	292	<1	0.01	13	580	14	<5	<20	3	0.12	<10	20	<10	83	48
11	7381	PD24	10	<0.2	0.95	<5	100	5	0.01	<1	7	77	32	3.24	30	0.22	123	5	0.02	9	480	12	<5	<20	16	0.04	<10	12	<10	3	32
12	7382	PD25	5	<0.2	1.51	<5	75	<5	0.10	<1	11	104	106	2.93	20	0.68	376	<1	0.02	11	310	16	<5	<20	3	0.11	<10	16	<10	51	43
13	7383	PD33	5	<0.2	1.13	<5	110	10	0.05	<1	6	144	19	2.65	60	0.36	276	4	0.02	7	300	14	<5	<20	2	0.12	<10	12	<10	67	28
14	7384	PD50	5	<0.2	1.50	10	40	<5	1.05	<1	24	66	105	2.99	<10	0.96	454	<1	0.07	24	350	12	10	<20	8	0.17	<10	110	<10	19	36
15	7385	PD58	20	>30	0.47	<5	40	<5	8.26	7	32	126	>10000	3.28	<10	0.35	607	8	0.01	41	<10	>10000	10	<20	48	<0.01	<10	24	<10	<1	339
16	7386	PD59	20	18.4	1.33	15	55	<5	4.53	2	47	99	8518	3.43	<10	0.96	554	<1	0.03	41	<10	8890	10	<20	21	0.10	<10	59	<10	3	176
17	7387	PD69	5	<0.2	1.23	<5	110	<5	0.24	<1	15	134	82	3.47	<10	0.71	413	4	0.04	9	560	164	5	<20	8	0.12	<10	12	<10	39	56
18	7388	PD74	5	<0.2	1.68	<5	245	<5	0.26	<1	16	102	190	4.23	<10	0.61	475	<1	0.04	4	520	66	<5	<20	2	0.21	<10	116	<10	52	65

RIO ALGOM EXPLORATION LTD.

ICP CERTIFICATE OF ANALYSIS AK 99-469

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
QC DATA:																														
Resplit:																														
1	7371	5	<0.2	1.38	5	105	5	0.19	<1	9	167	58	2.57	<10	0.73	477	<1	0.07	11	440	32	5	<20	6	0.14	<10	34	<10	26	84
Repeat:																														
1	7371	5	<0.2	1.31	5	100	5	0.18	<1	8	164	71	2.44	<10	0.72	447	<1	0.06	11	430	28	5	<20	1	0.14	<10	33	<10	23	78
10	7380	5	<0.2	1	5	90	5	.0.11	<1	12	42	17	3.43	60	0.61	286	<1	0.01	13	590	18	<5	<20	2	0.12	<10	20	<10	81	49
Standard:																														
GEO'99		120	1.0	1.70	65	160	<5	1.86	<1	19	59	85	3.89	<10	0.94	680	<1	0.02	22	720	22	10	<20	55	0.09	<10	73	<10	8	65

df/469
XLS/99
Fax: 604-669-0447

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 99-469

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

17-Sep-99

ATTENTION: SIG WEIDNER

No. of samples received: 18
Sample type: Rock
PROJECT #: 9903
SHIPMENT #: None Given
Samples submitted by: P. Donnelly

ET #.	Tag #	station	Ag (g/t)	Ag (oz/t)	Cu (%)	Pb (%)
15	7385	PD-58	68.1	2.0	1.26	6.69

QC/DATA:
Standard:

Mp-IA	69.0	2.0	1.43	4.33

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

XLS/99

23-Sep-99

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

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

ICP CERTIFICATE OF ANALYSIS AK 99-488

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

ATTENTION: SIG WEIDNER

No. of samples received: 6
Sample type: Rock
PROJECT #: None Given
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	7389 PD 89	5	<0.2	2.32	15	65	<5	1.63	<1	9	68	173	0.88	<10	0.39	140	1	0.21	23	290	12	5	<20	74	0.05	<10	24	<10	8	11
2	7390 PD-106	10	<0.2	0.83	5	55	10	0.12	1	11	111	38	1.74	30	0.30	512	2	0.02	19	290	46	<5	<20	3	0.04	<10	7	<10	77	164
3	7391 PD-116	50	>30	0.82	45	45	<5	1.26	14	53	58	8869	6.85	<10	0.13	659	2	0.03	4	2590	70	<5	<20	32	0.11	<10	12	<10	25	458
4	7392 PD-120	5	3.4	1.97	25	120	20	0.16	3	11	97	42	3.84	20	1.29	698	<1	0.03	13	530	2064	10	<20	<1	0.14	<10	44	<10	23	395
5	7393 PD-132	15	>30	0.05	>10000	15	20	<0.01	171	4	195	26	2.99	<10	<0.01	41	7	<0.01	6	140	>10000	25	<20	5	<0.01	<10	2	<10	<1	1107
6	7394 PD-135	40	16.4	<0.01	>10000	20	45	<0.01	385	26	137	17	6.17	<10	<0.01	27	15	<0.01	6	<10	4952	<5	<20	<1	<0.01	10	<1	<10	<1	105

QC DATA:

Resplit:

1	7389	10	0.2	2.16	25	60	<5	1.56	<1	8	65	178	0.80	<10	0.32	130	2	0.17	21	270	16	<5	<20	70	0.04	<10	20	<10	8	10

Standard:

GEO'99		120	1.4	1.76	65	160	10	1.78	<1	20	62	79	3.82	<10	0.93	679	<1	0.02	23	640	20	10	<20	54	0.07	<10	74	<10	8	70

df/488
XLS/99
Fax: 604-669-0447

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B.C. Certified Assayer

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Phone (250) 573-5700 Fax (250) 573-4557
email: ecotech@mail.wkpowerlink.com

CERTIFICATE OF ASSAY AK 99-488

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

23-Sep-99

ATTENTION: SIG WEIDNER

No. of samples received: 6
Sample type: Rock
PROJECT #: None Given
SHIPMENT #: None Given
Samples submitted by: P. Donnelly

ET #.	Tag #	station	Ag (g/t)	Ag (oz/t)	As (%)	Pb (%)
3	7391	PD-116	30.0	0.88	-	-
5	7393	PD-132	50.2	1.46	3.26	5.56
6	7394	PD-135	-	-	6.27	-

QC DATA:

Standard:

Mpla	71.0	2.07	0.84	4.32

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

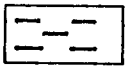
XLS/99

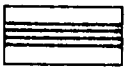
APPENDIX VI

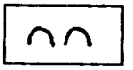
Diamond Drill Log

Legend for Graphic Drill Log

Quartz Wacke

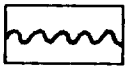

Thin-bedded quartzitic wacke, siltstone

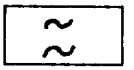

Laminated siltstone

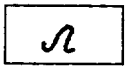

Disturbed bedding

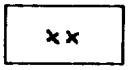

Fragmental


Mudchips, isolated fragments

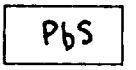

Fault gouge zone


Fault –fracture zone, bedding destroyed or disrupted

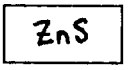

Tightly folded beds



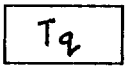
Disseminated pyrrhotite concentrated in bed



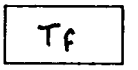
Galena in vein



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 Pyramid | Start Date 16/09/99 | RC ____ m to ____ m | Grid E/W ____ | UTM E 557050 | Test 511 M, 75°, 170° Az | Page 1 Of 27

DRILL HOLE PP 9901 | Compl'n Date 6/10/99 | Core 12.5 m to 1005.2 m | Grid N/S ____ | UTM N 5506300 | Test 629 M, 73°, 158.5° Az | Logged By LPG, PD

DEPTH 1005.2 m | Casing Depth 12.5 m | Casing Left 12.5 m | Dip -80° | Az 170° Elev 1640m | Test 819 M, 76°, 165.5° Az | Date Logged 17/09/99 – 06/10/99

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
00 LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%		From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm
casing											0 – 12.5M CASING								
Az											**12.5 – 236.325M MIDDLE ALDRIDGE.** Light to medium grey to brown grey and locally light greenish-grey (where chlorite altered) in colour. Thin bedded to medium bedded, fine to medium and locally coarse grained quartz wacke, quartzitic wacke, mica (biotite) rich wacke and a little siltstone. Some laminated horizons. Patchy, diffuse to ovoid zones of calcite, feldspar, quartz , biotite, garnet, chlorite alteration ("concretions"). Garnets also rarely disseminated through quartz wacke. Bedding is mostly rather diffuse, gradational,								
QW											although locally sharp. There are medium to thick bedded quartz and quartzitic wackes, but mostly think bedded biotite wacke, etc. Locally bedding is wavy, and in places disrupted.	25.0	25.6	0.6	07501				
											Gradually pick up more quartz wacke and medium bedding down hole. Chlorite (±pyrite) commonly occurs along straight fractures, irregular and bedding controlled zones of rather coarse sericite alteration occur. Biotite is generally as fine grained flakes, sometimes describing foliation. Foliation is generally not pronounced. Graded bedding not generally								
Tq			chl,po ser	mod wk							observed. Core recovery very good, near 100%.	40.3	41.7	0.4	07502				
So																			
50																			

RIO ALGOM EXPLORATION INC.

PROPERTY Pyramid | Start Date 16/09/99 | RC ____ m to ____ m | Grid E/W _____ | UTM E 557050 | Test 511 M, 75°, 170° Az | Page 2 Of 27

DRILL HOLE PP 9901 | Compl'n Date 6/10/99 | Core 12.5 m to 1005.2 m | Grid N/S _____ | UTM N 5506300 | Test 629 M, 73°, 158.5° Az | Logged By LPG, PD

DEPTH 1005.2 m | Casing Depth 12.5 m | Casing Left 12.5 m | Dip -80° | Az 170° Elev 1640m | Test 819 M, 76°, 165.5° Az | Date Logged 17/09/99 – 06/10/99

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	12.5 – 236.5 A2 Cont'd	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm
A2			chl,po	wk								50.9	51.5	0.6	07503				
	59.7										99m Small grain of arsenopyrite in pyrrhotite bleb.								
QW	63.1		chl	wk															
												64.2	65.2	1.0	07504				
	So																		
												75.2	76.1	0.9	07505				
			ser-chl	wk															

RIO ALGOM EXPLORATION INC.

PROPERTY Pyramid | Start Date 16/09/99 | RC ____ m to ___ m | Grid E/W _____ | UTM E 557050 | Test 511 M, 75° . 170° Az | Page 3 Of 27

DRILL HOLE PP 9901 | Compl'n Date 6/10/99 | Core 12.5 m to 1005.2 m | Grid N/S _____ | UTM N 5506300 | Test 629 M, 73° . 158.5° Az | Logged By LPG, PD

DEPTH 1005.2 m | Casing Depth 12.5 m | Casing Left 12.5 m | Dip -80° | Az 170° Elev 1640m | Test 819 M, 76° . 165.5° Az | Date Logged 17/09/99 – 06/10/99

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
100 LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	**12.5 – 236.5 A2 Cont'd**	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm
A2											122.9m Drillers note loss of circulation. From 124.1 – 124.8 broken core, 80% recovered.								
			chl	mod															
			ser	wk								121.9	122.8	0.9	07506				
			chl, py	wk															
	So																		
			ser	wk								142.8	145.8	3.0	07507				
		148.3-149.7																	

RIO ALGOM EXPLORATION INC.

PROPERTY Pyramid | Start Date 16/09/99 | RC ____ m to ____ m | Grid E/W ____ | UTM E 557050 | Test 511 M, 75°, 170° Az | Page 4 Of 27

DRILL HOLE PP 9901 | Compl'n Date 6/10/99 | Core 12.5 m to 1005.2 m | Grid N/S ____ | UTM N 5506300 | Test 629 M, 73°, 158.5° Az | Logged By LPG, PD

DEPTH 1005.2 m | Casing Depth 12.5 m | Casing Left 12.5 m | Dip -80° | Az 170° Elev 1640m | Test 819 M, 76°, 165.5° Az | Date Logged 17/09/99 - 06/10/99

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	**A2 Continued**	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
gw		151									From ~156m Do not see any more garnet for an interval.								
A_2		154									181.7m Trace galena in quartz-pyrrhotite veinlet.								
	S_1										184.5m Tourmaline needles in quartz veinlet (also at 36.5m).								
	S_0		ser	wk							198.4m Trace chalcopyrite in shear with pyrrhotite.								
			chl	mod								177.4	178.6	1.2	07508				
Pbs																			
Tq																			
			po	mod															
												194.0	195.2	1.2	07509				
gw		199																	

RIO ALGOM EXPLORATION INC.

PROPERTY Pyramid | Start Date 16/09/99 | RC ____ m to ____ m | Grid E/W ____ | UTM E 557050 | Test 511 M, 75°, 170° Az | Page 5 Of 27

DRILL HOLE PP 9901 | Compl'n Date 6/10/99 | Core 12.5 m to 1005.2 m | Grid N/S ____ | UTM N 5506300 | Test 629 M, 73°, 158.5° Az | Logged By LPG, PD

DEPTH 1005.2 m | Casing Depth 12.5 m | Casing Left 12.5 m | Dip -80° | Az 170° Elev 1640m | Test 819 M, 76°, 165.5° Az | Date Logged 17/09/99 – 06/10/99

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	**A2 Continued**	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm
A2		201									220.9m Possible sphalerite in quartz veinlet with pyrrhotite, secondary chlorite.								
			chl	wk							Tourmaline needles in quartz veinlets (with pyrrhotite) at 222.2m, 233.4m.	210	212	2.0	07510				
	S_1		bt, chl	wk							**236.35 – 240.85m GABBRO** – light green, fine grained to porphyritic, chlorite altered. Hornblende phenocrysts average 2-3 mm. Feldspar mostly interstitial, some phenocrysts.	216	217	1.0	07511				
	S_0		bt	wk							Groundmass is chloritic.								
Tq	ZnS		ser	wk							**240-85 – 288.5m A2** as before, thin, medium bedded quartz wacke, quartzitic wacke. Less wacke and siltstone than previous interval.								
												231.6	233	1.4	07512				
Tq			chl	wk															
		236.5	bt	wk															
gb		240.8																	
	S_1																		
	S_0																		

RIO ALGOM EXPLORATION INC.

PROPERTY Pyramid | Start Date 16/09/99 | RC ____ m to ____ m | Grid E/W ____ | UTM E 557050 | Test 511 M, 75°, 170° Az | Page 6 Of 27

DRILL HOLE PP 9901 | Compl'n Date 6/10/99 | Core 12.5 m to 1005.2 m | Grid N/S ____ | UTM N 5506300 | Test 629 M, 73°, 158.5° Az | Logged By LPG, PD

DEPTH 1005.2 m | Casing Depth 12.5 m | Casing Left 12.5 m | Dip -80° | Az 170° Elev 1640m | Test 819 M, 76°, 165.5° Az | Date Logged 17/09/99 – 06/10/99

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	**A2 Continued**	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/
gw		251																	
		253.5																	
A2																			
	S_1		chl, po	wk							270.4m – Galena(?) in quartz veinlet with pyrrhotite.								
	S_0										**288.5 – 541.5m – GABBRO.** Upper contact is somewhat gradational. Gabbro is fine grained, felty mass of chlorite and biotite (after hornblende) and plagioclase. Grain size								
			ser	wk							gradually increases to 2-4 mm by 289.4m, then relatively coarse by 297m. (chlorite altered) hornblende predominates over feldspar. Quartz and biotite locally present.	268.5	269.5	1.0	07513				
PbS											Disseminated pyrrhotite, chalcopyrite, pyrite locally. Becomes relatively finer grained again at 320m. Several hairline quartz±calcite±chlorite and rare epidote fractures								
			chl	wk															
	S_0		chl	wk							throughout.								
			bt, chl	mod															
			chl	mod															
			bt	wk															
		288.5																	
gb																			

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DRILL HOLE PP 9901 | Compl'n Date 6/10/99 | Core 12.5 m to 1005.2 m | Grid N/S ____ | UTM N 5506300 | Test 629 M, 73°, 158.5° Az | Logged By LPG, PD

DEPTH 1005.2 m | Casing Depth 12.5 m | Casing Left 12.5 m | Dip -80° | Az 170° Elev 1640m | Test 819 M, 76°, 165.5° Az | Date Logged 17/09/99 – 06/10/99

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
300	LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	288.5 – 541.5m – GABBRO continued	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
–	gb																			
–																				
–																				
–																				
–																				
–																				
–																				
–																				
–																				
–																				
350																				

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PROPERTY Pyramid | Start Date 16/09/99 | RC ____ m to ____ m | Grid E/W _____ | UTM E 557050 | Test 511 M, 75° . 170° Az | Page 8 Of 27

DRILL HOLE PP 9901 | Compl'n Date 6/10/99 | Core 12.5 m to 1005.2 m | Grid N/S _____ | UTM N 5506300 | Test 629 M, 73° . 158.5° Az | Logged By LPG, PD

DEPTH 1005.2 m | Casing Depth 12.5 m | Casing Left 12.5 m | Dip -80° | Az 170° Elev 1640m | Test 819 M, 76° . 165.5° Az | Date Logged 17/09/99 – 06/10/99

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
350 LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	**288.5 – 541.5m – GABBRO continued**	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
gb																			
–																			
–																			
–																			
–																			
–																			
–																			
–																			
–																			
–																			
–																			
400																			

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PROPERTY Pyramid | Start Date 16/09/99 | RC ____ m to ____ m | Grid E/W ____ | UTM E 557050 | Test 511 M, 75°, 170° Az | Page 9 Of 27

DRILL HOLE PP 9901 | Compl'n Date 6/10/99 | Core 12.5 m to 1005.2 m | Grid N/S ____ | UTM N 5506300 | Test 629 M, 73°, 158.5° Az | Logged By LPG, PD

DEPTH 1005.2 m | Casing Depth 12.5 m | Casing Left 12.5 m | Dip -80° | Az 170° Elev 1640m | Test 819 M, 76°, 165.5° Az | Date Logged 17/09/99 – 06/10/99

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
400 LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	288.5 – 541.5m – GABBRO continued	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
gb																			
			cc, chl	mod															
450																			

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PROPERTY Pyramid | Start Date 16/09/99 | RC ____ m to ____ m | Grid E/W ____ | UTM E 557050 | Test 511 M, 75°, 170° Az | Page 10 Of 27

DRILL HOLE PP 9901 | Compl'n Date 6/10/99 | Core 12.5 m to 1005.2 m | Grid N/S ____ | UTM N 5506300 | Test 629 M, 73°, 158.5° Az | Logged By LPG, PD

DEPTH 1005.2 m | Casing Depth 12.5 m | Casing Left 12.5 m | Dip -80° | Az 170° Elev 1640m | Test 819 M, 76°, 165.5° Az | Date Logged 17/09/99 – 06/10/99

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
450 LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	**288.5 – 541.5m – GABBRO continued**	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
gb			chl	mod-str							From 450.2 – 460.3m gabbro is moderately to strongly chlorite altered, primary crystal structures destroyed. Essentially chlorite + biotite, possible weak foliation near parallel								
											with CA. Broken quartz (± calcite, biotite, chlorite) and disrupted veins at 452 – 459m. Similar alteration at 462.3 – 463.7m, 465.4 – 465.7m, 467.7 – 470m.								
			chl	mod															
			chl	mod-str															
			chl bt	mod-str mod							From 492.1 – 496.7m Gabbro moderately to strongly chlorite and biotite altered, especially where vein occurs. Veins are disrupted.								
			chl	mod							From 497.9 – 498.8m Gabbro is moderately to strongly altered with a significant amount of medium grained black-brown biotite and chlorite and calcite occurrences. Some quartz								
			bt	mod															
			chl	wk-mod							stringers sub parallel to CA.								
			bt	mod															
			chl, bt	mod															
			chl	mod															
500			chl	mod															

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PROPERTY Pyramid | Start Date 16/09/99 | RC ____ m to ___ m | Grid E/W _____ | UTM E 557050 | Test 511 M, 75°. 170° Az | Page 11 Of 27

DRILL HOLE PP 9901 | Compl'n Date 6/10/99 | Core 12.5 m to 1005.2 m | Grid N/S _____ | UTM N 5506300 | Test 629 M, 73°. 158.5° Az | Logged By LPG, PD

DEPTH 1005.2 m | Casing Depth 12.5 m | Casing Left 12.5 m | Dip -80° | Az 170° Elev 1640m | Test 819 M, 76°. 165.5° Az | Date Logged 17/09/99 – 06/10/99

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
500	LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	**288.5 – 541.5m – GABBRO continued**	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm
–	gb			chl	mod							After 500.9m, weak to moderate alteration. Plagioclase hornblende porphyroblasts, equigranular medium grained. Veining subparallel to axis at 499 – 499.1, 500.2 – 500.4,								
–												500.9 – 501.1, 501.2 – 504.9. Alteration more moderate in vein envelopes. Alteration decreases away from vein to weak								
–												to moderate chlorite with trace biotite and quartz. 509.4 – 515.6m Some occasional thin quartz veins.								
–				chl	mod							515.6 – 516.0m Some minor quartz veining II to CA. 516.1 – 521.4m Moderate chlorite alteration. Crystals of plagioclase-hornblende becoming								
–												finer after 520.9m. Gabbro becomes lighter in colour. Plagioclase porphyryoblasts still evident Ground mass is more quartz rich, finer hornblende crystals evident. Less chlorite,								
–												more siliceous alteration or is it a more felsic stage of gabbro. Light grey plagioclase gabbro. Plagioclase is still evident in medium sized crystals.								
–												527.5 – 527.7m Some stringer quartz veins. Veins at 533.3 – 533.4m 1-2 cm white quartz carbonate veins.								
–	gb + +		541.5									At about 539.5m, becomes more fine grained. Plagioclase porphyroblasts become smaller and chlorite alteration becomes weaker.								
–	A2			chl ser chl bt	wk wk wk							**540.5 – 601.8m A2 Middle Aldridge** 541.5m A2 Medium to fine grained, thin to medium bedded with occasional								
550												garnet in zones parallel bedding and adjacent quartz fractures at 545.5 – 545.9.	54.6	54.7	0.1	07514				

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DRILL HOLE PP 9901 | Compl'n Date 6/10/99 | Core 12.5 m to 1005.2 m | Grid N/S _____ | UTM N 5506300 | Test 629 M, 73°. 158.5° Az | Logged By LPG, PD

DEPTH 1005.2 m | Casing Depth 12.5 m | Casing Left 12.5 m | Dip -80° | Az 170° Elev 1640m | Test 819 M, 76°. 165.5° Az | Date Logged 17/09/99 – 06/10/99

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
550 LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	**541.5 – 601.8m A2 Continued**	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm
QW		554.6									From 554.5m downhole, there are several narrow 5-30 cm zones of disrupted bedding (to 600m at least).								
A_2																			
Tf			bt	wk							556.3m A possibly tourmalinized clast (flattened ovoid shape). 559.8m 6 cm "bed" with abundant pyrrhotite, trace chalcopyrite.								
			ser	wk															
Tf	S_1		bt	wk							562.3 – 562.4m Albitized mudchip fragments. 566.8, 573.1, 576.4m Tourmalinized clasts (fragments) as above + 589.6 – 589.9m								
	S_0										580.3 – 580.6m Broken core. @ 579.9 Tourmalinized fragments and mudchips. Sphalerite noted in quartz vein with pyrrhotite at 574.9m (+galena?)								
Tf											575.5m Pyrrhotized fragments. @ 587m, tourmaline needles in quartz veinlet. 587.6m a 6 cm "bed" with increased pyrrhotite, trace chalcopyrite above zone of biotized	570.4	571.4	1.0	07515				
			ser	wk							fragments and disrupted bedding. 589.6 – 589.9m Biotized fragments(?) tourmalinized fragment and albitized(?) fragments.								
		584.2	ser, chl	wk							591m 4 cm bed of pyrrhotite 8-10%, + pyrrhotite-chlorite shear., trace chalcopyrite. 595.2m a 4 cm bed of pyrrhotite 5-8% disseminated to mesh texture.								
QW		587.2																	
Tf																			
			bt	wk								590.5	591.7	1.2	07516				
			ser	wk															
600			bt	wk															

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DEPTH 1005.2 m | Casing Depth 12.5 m | Casing Left 12.5 m | Dip -80° | Az 170° Elev 1640m | Test 819 M, 76°, 165.5° Az | Date Logged 17/09/99 – 06/10/99

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
600 LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	**541.5 – 601.8m A2 Continued**	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm
	gb	601.8 602.9	ser chl	wk wk							601.5m Drillers report caving, no loss of core though. Below here is 15 cm zone of chlorite altered clasts, +5% disseminated pyrrhotite (margin of gabbro).								
			bt	wk							**601.8 – 602.7m GABBRO** Moderately chlorite altered, fine grained rock, possibly relict feldspars visible. Contacts with A2 indistinct, marked by concentrations of pyrrhotite,	610.7	612.8	2.1	07517					
			ser, bt	wk							± chlorite, biotite.								
		614	bt, ab	wk							**602.7m – 824.6m A2 as above**								
			ser	wk							605.6m A tourmalinized clast.								
			ser	wk							@606.7 – 606.9m Increased pyrrhotite grains (3%)parallel bedding and some fragments.								
			bt, ab	wk															
		624	bt, chl	mod							610.8 – 611.2m 3% pyrrhotite disseminated in plates parallel to So	626	628	2.0	07518				
											611.8m 4-10 cm zone parallel bedding of coarse grained pyrrhotite 10-12%								
											613.3 – 614m Broken core – 70% recovery From 614m dominantly quartz wacke, light grey, to 624m 617.8m, 618.5m small mudstone fragments.								
			ser chl	wk mod							618.7m A fragment (?) or disrupted bed with pyrrhotite, quartz.								
		634									618.75m tourmalinized fragment. 620.8m 5 cm pyrrhotite-biotite rich bed								
		639.3	ser	wk							622.7m 8 cm pyrrhotite-biotite bed (2% pyrrhotite).								
			chl	wk							625.1m Black mudstone fragment, cross cutting fracture filled with pyrrhotite within								
											fragment. Also has envelope of disseminated pyrrhotite.	646.2	647.2	1.0	07519				
											627m Galena in 2 mm vein. 633.6 – 634.4m Several tourmalinized and non-								
650			ser	wk							tourmalinized mudstone fragments. 640.5m 3 small tourmalinized fragments, lozenge shaped, laying parallel to bedding.								

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DRILL HOLE PP 9901 | Compl'n Date 6/10/99 | Core 12.5 m to 1005.2 m | Grid N/S ____ | UTM N 5506300 | Test 629 M, 73°, 158.5° Az | Logged By LPG, PD

DEPTH 1005.2 m | Casing Depth 12.5 m | Casing Left 12.5 m | Dip -80° | Az 170° Elev 1640m | Test 819 M, 76°, 165.5° Az | Date Logged 17/09/99 – 06/10/99

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	A2 CONTINUED	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm
		652	chl	mod							655.45m 2.5 cm band of disseminated sulphides parallel to bedding. Pyrrhotite and trace chalcopyrite 10%.								
Qw			ser	wk															
		652.5									658.8m a 2 cm bed of 5-8% disseminated pyrrhotite. Possibly envelope to veinlet.	661.4	663.4	2.0	07520				
			ser	wk							661.4m Tourmalinized mudstone lens. Not a fragment, but bedding parallel irregular layer.								
Tq			ser	wk															
	S_0										662.6m Garnets disseminated sparsely over 30 cm of biotite wacke.	671	671.8	0.8	07521				
			chl	mod							665.9m Sparse tourmaline needles in quartz vein with trace chlorite, sericite and bleached envelope.								
		675.3																	
			chl	mod							675.8m A mudstone fragment. 678.7m A 5 cm bed with 10-12% disseminated pyrrhotite and trace chalcopyrite.	682.6	684.6	2.0	07522				
Tf											685m Small tourmalinized fragment. 685.7m Quartz-pyrrhotite diffuse zone with trace chalcopyrite. Cut by calcite-chlorite	686	687	1.0	07523				
	ZnS										fracture parallel to CA with possible sphalerite (?)								
			chl	mod							686 – 686.6m Laminated biotite rich siltstone. Possible marker laminite.								
			chl	wk-mod							687.2m A 6 cm zone of disseminated pyrrhotite 6-8% + biotite, cut by pyrrhotite-chalcopyrite fractures.								
	S_0										687.5 – 687.7m Broken core. 687.8m A 6 cm ellipsoidal fragment (or disrupted bed) of pyrrhotite-rich siltstone.								

650 (top) 700 (bottom)

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DEPTH 1005.2 m | Casing Depth 12.5 m | Casing Left 12.5 m | Dip -80° | Az 170° Elev 1640m | Test 819 M, 76°, 165.5° Az | Date Logged 17/09/99 – 06/10/99

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	**A2 650-700M CONTINUED**	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
											688.9m A 4 cm ovoid fragment (or disturbed bed) of 5-8% disseminated pyrrhotite and trace chalcopyrite.								
											691.2m Broken core, chlorite and silica alteration increasing, reaches strongest at 692.4m, then reduced by 693m.								
											697 – 697.87m Broken core, chlorite fractures.								

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DEPTH 1005.2 m | Casing Depth 12.5 m | Casing Left 12.5 m | Dip -80° | Az 170° Elev 1640m | Test 819 M, 76°. 165.5° Az | Date Logged 17/09/99 - 06/10/99

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION			ASSAY INTERVAL							
LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	COMMENTS	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm
											A2 CONTINUED								
T_F			chl	mod							701.2m Tourmalinized mudstone fragment. 701.6m Garnets disseminated over 5 cm section.	703.4	704.2	0.8	07524				
			chl	wk															
			chl	mod															
		708.9	chl/ser	wk							701.7m An ovoid clast, sericite and possibly albite altered. 707.8m A 2 cm pyrrhotite-rich (10-12%) disseminated bed(?), CA ∢ 70°								
		712.2																	
		714.3									709.8m A 'concretion' quartz feldspar(?) calcite-biotite-chlorite-garnet with pyrrhotite. First of these 'concretions' in a long interval, and more down hole.								
	S_0																		
		719.9-720.5	chl	wk-mod							708.65m Top of Fault Zone a 2 cm clay-chlorite-graphite gouge seam on hanging wall of 24 cm quartz pyrrhotite-pyrite vein (+ minor calcite, biotite). Foot wall of vein is 20 cm biotite rich								
		722.1																	
		722.4	chl	mod							with pyrite (±pyrrhotite) parallel to laminations. A small veinlet 10 cm into FW, also at 60° ∢ CA. 709.1 – 709.5m Broken core, recovery 50%, also broken at 709.5 - 710.3 m.								
		725-725.7	chl	wk															
			ser	wk							712.2m Chlorite-clay gouge/shear with 2 mm pyrite veinlet. ∢CA 25° moderate fracturing in hanging wall and footwall.								
			chl	mod															
			ser	wk															
											713.2 – 713.3m highly fractured, some brecciated rock fragments, including clast of siltstone with disseminated to laminated pyrrhotite + biotite. Possible marker laminite (fringe?).								
											714.1m Chlorite shear with spaced fractures at 40° ∢ CA. 719.9 – 720.4m Fault breccia, soft milled fragments, broken quartz vein + quartz-calcite								
		745.7									-chlorite-pyrrhotite in fractures, stringers. 720.4 – 721.1m Broken core, chlorite-clay fractures 721.1 – 722.3m Possible fault breccia, intensely fractured.								
			ser	wk							723.8 – 724m Fault breccia, intense fracturing, chlorite-clay fractures at 15-20°, disseminated pyrite, milled breccia fragments.								
			ser, chl	wk															

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DEPTH 1005.2 m | Casing Depth 12.5 m | Casing Left 12.5 m | Dip -80° | Az 170° Elev 1640m | Test 819 M, 76°, 165.5° Az | Date Logged 17/09/99 – 06/10/99

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	**A2 700 – 750M CONTINUED**	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
											725 – 725.15m Fault breccia of angular fragments in silica-chlorite altered matrix. 725.3 – 725.5m Disseminated garnet + abundant calcite fractures.								
											725.7m 5 cm fault zone breccia(?) at 40° ∢ to CA. Sub rounded (milled) fragments in chlorite-SO_2-clay altered matrix.								
											725.8 – 726m Disseminated garnet + abundant calcite fractures. From 725m Garnets (in concretions) seem to increase again, as in upper part of hole.								
											726.6m Garnet 'concretion,' also at 727.7 – 729m 728m Concretion with coarse biotite has light grey 'reaction rim.' Also at 728.2 & 730.7m								
											731.4m Biotite bearing concretion, no rim. At 735.1m, 2 cm 'bed' of concretion-like mineralogy.								
											733.8m Disseminated garnets. Also at 739.5m and 740.4 – 740.5m, 742.3m. 735.7, 736m Bedding plane – parallel 'concretion,' also 738.7, 741.5, 744.1, 745.4,								
											746.4m. 736.4 – 7.36.6m Broken core, chlorite fractures.								
											745.7m A 3 cm gouge-breccia zone. Chlorite-clay-pyrite shear. Fault zone 745.8 – 747.4m Broken core. Recovery ~60%.								
											748.5m A carbonate-biotite 'concretion.' Also at 749.8m.								

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DEPTH 1005.2 m | Casing Depth 12.5 m | Casing Left 12.5 m | Dip -80° | Az 170° Elev 1640m | Test 819 M, 76°, 165.5° Az | Date Logged 17/09/99 – 06/10/99

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION			ASSAY INTERVAL							
LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	COMMENTS	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm
											A2 CONTINUED								
A_2			ser	wk							750.8m Biotite carbonate quartz 'concretion,' also at 752.9m, 754.8m 752.2m Garnet bearing 'concretion,' also at 762.1 – 762.2m, 762.7m.								
		752.2	ser, chl	wk							753.8 – 754.8m Broken core, recovery ~50%. 755.7 – 757.4m Broken core, less recovery, altered.								
			ser	wk															
		765.3	chl	mod							757.2m 1 cm chlorite clay gouge seam at 25° to core axis. 765.7m 15 cm chloritic fault gouge, fault zone (?)								
		768.2									768.2m 2 cm chloritic gouge, shear. 769.6 – 771m Strongly foliated rocks (due to FZ, bedding not distinguished) are biotite	771.8	772.8	1.0	07527				
		776.3									rich and brown in colour. Possibly a sheared mudstone unit. Also from 772.2 – 773m biotite and graphitic. Especially 772.9 – 773.1m. Strongly biotitic and graphitic also	772.8	773.3	0.5	07528				
		777.0									euhedral arsenopyrite crystals.	783.3	784.9	1.6	07526				
		779.4									775.2 – 778.4m (and 778.7 – 779.5m) Very strong foliation developed. Bedding possibly transposed (thin bedded biotite rich siltstone and slightly chloritic quartz wacke). The foliation is locally buckled, kinked and folded. Also at 780 – 780.5m.								
											779.4m A 2-3 cm chlorite clay gouge, strong shearing for 30 cm in hanging wall, foot wall rock are not sheared.								
											781.5 – 782.6m Very strong foliation again, due to fault zone 797m Foliation again, increasing in strength (to 797.3m). At 798.5m a 2 cm chlorite fault								
		798.5	chl	mod							gouge, with strong fracturing. A second gouge seam at 798.6m, with quartz vein along footwall.								

RIO ALGOM EXPLORATION INC.

PROPERTY Pyramid | Start Date 16/09/99 | RC ____ m to ___ m | Grid E/W _____ | UTM E 557050 | Test 511 M, 75°, 170° Az | Page 19 Of 27

DRILL HOLE PP 9901 | Compl'n Date 6/10/99 | Core 12.5 m to 1005.2 m | Grid N/S _____ | UTM N 5506300 | Test 629 M, 73°, 158.5° Az | Logged By LPG, PD

DEPTH 1005.2 m | Casing Depth 12.5 m | Casing Left 12.5 m | Dip -80° | Az 170° Elev 1640m | Test 819 M, 76°, 165.5° Az | Date Logged 17/09/99 – 06/10/99

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION			ASSAY INTERVAL							
LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	COMMENTS	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm
			chl, ser	wk							**- 824.6M A2 CONTINUED**								
xx			ser	wk							From 800.5 – 801.5m Broken core, recovery 50-60%, broken core again from 803 – 804m. 804.2m Biotite-pyrrhotite bed 2 cm wide, 2% disseminated sulphides.	806	807	1.0	07531				
A_2			ser	wk							806.5m A pyrrhotite bearing, biotite rich 'concretion' with 'reaction rims,' also at 807.7m (but without biotite). They may possibly be disrupted beds.								
			ser	wk							From about 805m, back into thin-medium bedded quartzitic wacke, quartz wacke and biotite wacke (±siltstone) **A2**.								
xx			ser	wk							812.5 – 812.7m A biotite-quartz-calcite-pyrrhotite 'concretion,' cut by several chlorite, pyrite-pyrrhotite, graphite (?) fractures at 15-30° ∢CA.								
xx			ser	wk							815.2m A 2 cm mottled bed with 5% disseminated pyrrhotite blebs. 819.4 – 820.2m Broken core, recovery about 50%, many chlorite fractures.								
gb		824.6									821.3m A 6 cm pyrrhotite rich, biotite rich bed 5-8% sulphides disseminated. 821.5 – 822.8m Broken core, recovery about 60%.								
											823.9m A 3 cm chlorite-clay gouge-shear (FZ) 30-40° ∢ CA with some quartz veinlet.								
											824.6 – 854.5m GABBRO								
											Transitional contact to fine grained, equigranular chloritic gabbro. Becomes coarser grained with distinct hornblende crystals by 824.8 – 824.9m.								
											Non-magnetic medium grained, regular gabbro texture by 825.5m. Slight alteration (chlorite). Calcite and chlorite fracture fillings.								

800 (top) 850 (bottom)

RIO ALGOM EXPLORATION INC.

PROPERTY Pyramid | Start Date 16/09/99 | RC ____ m to ____ m | Grid E/W ____ | UTM E 557050 | Test 511 M, 75°, 170° Az | Page 20 Of 27

DRILL HOLE PP 9901 | Compl'n Date 6/10/99 | Core 12.5 m to 1005.2 m | Grid N/S ____ | UTM N 5506300 | Test 629 M, 73°, 158.5° Az | Logged By LPG, PD

DEPTH 1005.2 m | Casing Depth 12.5 m | Casing Left 12.5 m | Dip -80° | Az 170° Elev 1640m | Test 819 M, 76°, 165.5° Az | Date Logged 17/09/99 – 06/10/99

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
850 LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	**824.6 – 854.5M GABBRO CONTINUED**	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm
gb + +	854.5		ser	wk							Gabbro is slightly finer grained at contact, slight increase in chlorite alteration.								
A_2			chl	wk							**854.5 – 912.8m A2 Middle Aldridge** Thin bedded quartzitic wacke, fine grained with some beds with coarse biotite. Also								
											biotitic wacke, thin beds of light grey quartz wacke are fairly rare. Some light brown siltstone as well. Bedding generally sharply defined. Little or no disturbed bedding,								
											but locally some fragmental clasts (sedimentological fragmental – mudchips, etc.). 864.2 – 864.8m Thin bedded quartzitic wacke fragmental, tiny fragments including	872.7	873.6	0.9	07532				
Tq			cc	wk							pyrrhotized mudchips. 870.4m A 2 cm pyrrhotite-rich bed or possibly recrystallized vein. 5-8% disseminated								
											pyrrhotite with chlorite, biotite, quartz. Further thin pyrrhotite-biotite layers (bedding parallel) between 871 – 871.1m.								
											From about 874m on, get scattered crystals (euhedra) masses and blebs of calcite disseminated, but often confined to specific beds, sometimes elongate parallel to								
											bedding, although crystals seem to overprint bedding and foliation. Quite abundant from 876.1 – 882m in discrete zones.								
			ser	wk							877.4m Tourmaline needles with pyrrhotite in quartz vein. 878.2m Bedding is parallel to foliation.								
900	899.6										878.8m A 10 cm strain zone with folded and disrupted veins, beds and shearing. Footwall contact at 60° to CA.								

RIO ALGOM EXPLORATION INC.

PROPERTY Pyramid | Start Date 16/09/99 | RC ____ m to ___ m | Grid E/W _____ | UTM E 557050 | Test 511 M, 75°, 170° Az | Page 21 Of 27

DRILL HOLE PP 9901 | Compl'n Date 6/10/99 | Core 12.5 m to 1005.2 m | Grid N/S _____ | UTM N 5506300 | Test 629 M, 73°, 158.5° Az | Logged By LPG, PD

DEPTH 1005.2 m | Casing Depth 12.5 m | Casing Left 12.5 m | Dip -80° | Az 170° Elev 1640m | Test 819 M, 76°, 165.5° Az | Date Logged 17/09/99 – 06/10/99

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION			ASSAY INTERVAL							
LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	A2 850 – 900M CONTINUED	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
											880.9m A 3 cm bedding-parallel zone with increased pyrrhotite and biotite and calcite crystals, pyrrhotite mostly lamination-parallel, similar at 882.8m.								
											881 – 881.5m Disturbed bedding, possibly folded. After 882m, foliation subdued, returns to 'normal' thin bedded with distinct bedding planes.								
											884.6m A 1 cm biotite-pyrrhotite-chlorite bedding parallel zone, pyrrhotite ~3%, a similar 3 cm zone at 884.7m, although possibly a (recrystallized?) vein with diffuse contacts, 2 cm								
											wide at 886m. 886.65m A possible concretion with reaction rims, pyrrhotite.								
											886.9 – 887.3m 1-2% disseminated pyrrhotite as blebs parallel to foliation, some with chlorite rims (especially 887.1 – 887.2m), similar at 888 – 888.2m.								
											891.7 – 891.8m A quartz-calcite-biotite-chlorite-pyrrhotite zone, 70° to CA, possibly a 'concretion.' Similar at 893.9m with trace chalcopyrite.								

RIO ALGOM EXPLORATION INC.

PROPERTY Pyramid | Start Date 16/09/99 | RC ____ m to ____ m | Grid E/W ____ | UTM E 557050 | Test 511 M, 75°, 170° Az | Page 22 Of 27

DRILL HOLE PP 9901 | Compl'n Date 6/10/99 | Core 12.5 m to 1005.2 m | Grid N/S ____ | UTM N 5506300 | Test 629 M, 73°, 158.5° Az | Logged By LPG, PD

DEPTH 1005.2 m | Casing Depth 12.5 m | Casing Left 12.5 m | Dip -80° | Az 170° Elev 1640m | Test 819 M, 76°, 165.5° Az | Date Logged 17/09/99 – 06/10/99

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION			ASSAY INTERVAL							
LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	COMMENTS	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag ppm
											854.4 – 912.8M A2 CONTINUED								
A_2			cc	wk							904.5m A 4 cm biotite-rich bed with rather coarse blebs of pyrrhotite, 3% disseminated sulphides.	899.5	901	1.5	07533				
											908.5m Start to see thin beds that are essentially muscovite (sericite) +chlorite±biotite. These are probably metamorphosed/altered siltstone tops to small-scale A-E type (?)	911.5	912.8	1.3	07534				
LMC		912.8									turbiditic sequences.	912.8	913.8	1.0	07535				
A_1			cc	wk							909.5 – 912.3m Disturbed bedding, folds, probably soft-sediment features, pulled apart								
											beds.	925.3	927.3	2.0	07536				
			cc	wk							907.7m Pyrrhotite disseminated 2-5% in quartz-chlorite rich disturbed bed that also include								
			cc	wk							some vein material. Perhaps a disrupted vein envelope.	927.3	929.3	2.0	07537				
											911 – 912m pyrrhotite disseminated 1-2% and many irregular stringer lenses and blebs of								
			cc	wk							pyrrhotite in somewhat disturbed bedding. From 912.5 – 912.8m pyrrhotite disseminated lenses and stringers to 10%.	929.3	931.3	2.0	07538				
S_o											**912.8 – 987.3 A1 Lower Aldridge**	931.3	933.3	2.0	07539				
			cc	wk							Irregular blebs of pyrrhotite at 915.4m.								
		938.5									916m An increase again in muscovite (sericite) rich, thin beds.	933.3	935.3	2.0	07540				
			ser	wk							917 – 917.2m Slightly disturbed bedding.								
											917.4m Pyrrhotite disseminated and on rim of concretion? (or disrupted bed) Similar at 923.7m.	935.3	937.3	2.0	07541				
S_o																			
			ser	wk							918.65m A <1 cm bed rich in biotite and pyrrhotite. A second bed (sheared) at 919.4m, 5 cm thick with disseminated pyrrhotite, pyrite and pyrrhotite fractures.	937.3	939.3	2.0	07542				

RIO ALGOM EXPLORATION INC.

PROPERTY Pyramid | Start Date 16/09/99 | RC ____ m to ___ m | Grid E/W _____ | UTM E 557050 | Test 511 M, 75°, 170° Az | Page 23 Of 27

DRILL HOLE PP 9901 | Compl'n Date 6/10/99 | Core 12.5 m to 1005.2 m | Grid N/S _____ | UTM N 5506300 | Test 629 M, 73°, 158.5° Az | Logged By LPG, PD

DEPTH 1005.2 m | Casing Depth 12.5 m | Casing Left 12.5 m | Dip -80° | Az 170° Elev 1640m | Test 819 M, 76°, 165.5° Az | Date Logged 17/09/99 - 06/10/99

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	**912.8 - A1 (900 – 950M CONTINUED)**	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm/t
											From 921.8m, several more thin sericite-rich beds. 923.9 – 924m Slight folding of beds.	939.3	941.3	2.0	07543				
											924.7m A 60 cm quartz vein with minor chlorite, pyrrhotite, calcite and biotite altered footwall envelope.	941.3	943	1.7	07544				
											The contact with A2 – A1 (LMC) is placed at 912.8m, which is the base of the last quartz wacke (clean grey quartzite) of appreciable thickness (at least 20-30 cm).	947	949	2.0	07545				
											Below the Fault Zone at ~800m, there was an appreciable increase in biotite (in biotite wackes or subwackes, and quartzitic wackes). This may be partly ascribed to fault								
											zone alteration. In addition, the amount of pyrrhotite increased from about 880m. Below 912.8m, beds are thin quartzitic wacke and biotitic wacke dominate. Siltstones								
											are common, often altered to essentially muscovite subschist. Calcite crystal alteration also becomes important at ~900m.								
											From 926.7 – 927m, coarse biotite porphyroblasts in quartzitic bed, possibly a concretion. Also at 946.2 – 946.6m, with pyrrhotite. May be recrystallized vein.								
											930m A 1 cm bed of disseminated pyrrhotite + pyrite 3-4% on footwall of vein/shear. From 930m to 940m, sericite beds increase again in number.								
											938.5 – 939m Broken core, also from 939.6 – 940.8m. Lots of chlorite (±graphite, pyrite, calcite) fractures and local shearing at 45° to CA.								

RIO ALGOM EXPLORATION INC.

PROPERTY Pyramid | Start Date 16/09/99 | RC ____ m to ____ m | Grid E/W ____ | UTM E 557050 | Test 511 M, 75°, 170° Az | Page 24 Of 27

DRILL HOLE PP 9901 | Compl'n Date 6/10/99 | Core 12.5 m to 1005.2 m | Grid N/S ____ | UTM N 5506300 | Test 629 M, 73°, 158.5° Az | Logged By LPG, PD

DEPTH 1005.2 m | Casing Depth 12.5 m | Casing Left 12.5 m | Dip -80° | Az 170° Elev 1640m | Test 819 M, 76°, 165.5° Az | Date Logged 17/09/99 – 06/10/99

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
950 LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	**912.8 - A1 CONTINUED**	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm
		952.4	SULLIVAN HORIZON								950.6m A 1 cm bed of 8% ± disseminated pyrrhotite. 951.7 – 951.9m Disturbed bedding.	949	951	2	07546				
	S_1		cc	wk							952.4m Top of mud package. Possible "Sullivan Horizon." Brown fine grained biotite rich wacke or biotitic siltstone, laminated locally, bedding often	951	952.4	1.4	07547				
		964	cc	wk							not well defined, locally massive looking. The laminations often show folding (soft-sed?) disruptions. Also at 954.5m, 955.7 – 955.8m in this dark	952.4	953.4	1	07548				
	S_0	963.5	chl	wk							grey-brown interval are distinctive quartz 'eyes' (sparse) and pyrrhotite 4-5%. Mud package continues to 958.3m.	953.4	954.4	1	07549				
			chl	wk							958m A 10 cm chlorite, quartz, biotite zone, possible concretion. Bedding, mostly not very distinct, continues past 958.4m. Mainly biotitic wacke, quartzitic wackes. Overall	954.4	955.4	1	07550				
			cc	wk							quite 'muddy.' 959.3m A biotite-calcite-pyrrhotite concretion (?) or bed, pyrrhotite in cross-cutting	955.4	956.4	1	07551				
	S_1	975.6	ser, cc	wk							fractures. 959.5 – 959.8m Graphitic (+biotite, chlorite), sheared bed with calcite, quartz, euhedral	956.4	957.4	1	07552				
		987.3	chl	mod							Aresenopyrite, pyrrhotite, trace chalcopyrite. The footwall to this zone is laminated, showing small crumples and folds	957.4	958.3	0.9	07553				
			S_1O_2	mod							961.6 – 962.1m Slightly disturbed bedding (folded), also at 962.7-963.7m, and from 960 – 964m biotite rich fine grained wacke and siltstone. At 964m, strong fracturing and	958.3	959.5	1.2	07554				
1000			chl	wk-mod							shearing in strain zone. 965.7m A 10 cm biotite, chlorite, quartz, calcite concretion with "reaction rim."	959.5	959.9	0.4	07555				

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DRILL HOLE PP 9901 | Compl'n Date 6/10/99 | Core 12.5 m to 1005.2 m | Grid N/S _____ | UTM N 5506300 | Test 629 M, 73°. 158.5° Az | Logged By LPG, PD

DEPTH 1005.2 m | Casing Depth 12.5 m | Casing Left 12.5 m | Dip -80° | Az 170° Elev 1640m | Test 819 M, 76°. 165.5° Az | Date Logged 17/09/99 - 06/10/99

PRIMARY FABRIC			ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	**912.8 – 987.3M A1 CONTINUED 950 – 1000M CONTINUED**	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm
											968.2 – 968.6m Broken core, some chlorite-quartz fractures. 974.9 – 975.4m Strong foliated chlorite + biotite altered. Possibly very fine grained zinc	959.9	962	2.1	07556				
											sulphide in with biotite. Pyrrhotite, chlorite and biotite fractures, and disseminated pyrrhotite blebs.	962	964	2.0					
											975.4 – 975.6m White quartz wacke (or quartz altered zone), slight chlorite alteration. Disseminated pyrrhotite clots ~3%. Also at 975.9 –976m.	964	966	2.0					
											975.6 – 975.9m Possible healed clay gouge (not too soft) on hanging wall of quartz vein. 976 – 977m Slightly disturbed bedding.	966	968	2.0					
											980m A white concretion quartz feldspar chlorite with 'reaction rim.' 980.5 – 981m Biotite rich, strongly foliated bed with abundant whitish-green (chlorite-	968	970	2.0					
											sericite) spots. Galena noted in veins at 966.3m and 982.4m. 982.8m Possible sphalerite noted in 4 cm quartz vein. In 20 cm FW zone to vein, strong	970	972	2.0					
											foliation, pinkish hue similar to 974.9 – 975.4m. 986.65m Chlorite alteration increases (at expense of biotite). At 986.8m foliation	972	974	2.0					
											(chlorite, biotite, graphite(?)) becomes very strong. Disseminated pyrrhotite and disrupted quartz vein material is common. At 987m chlorite-graphite (biotite) gouge with	974	974.9	0.9					
											some coarse pyrite, on hanging wall of quartz vein. Gouge hosts disseminated pyrrhotite and trace arsenopyrite. **987.3 – 1005.2m GRANITOID INTRUSIVE**	974.9	975.4	0.5					
												974.5	976	0.6					

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PROPERTY Pyramid | Start Date 16/09/99 | RC ____ m to ___ m | Grid E/W _____ | UTM E 557050 | Test 511 M, 75° . 170° Az | Page 26 Of 27

DRILL HOLE PP 9901 | Compl'n Date 6/10/99 | Core 12.5 m to 1005.2 m | Grid N/S _____ | UTM N 5506300 | Test 629 M, 73° . 158.5° Az | Logged By LPG, PD

DEPTH 1005.2 m | Casing Depth 12.5 m | Casing Left 12.5 m | Dip -80° | Az 170° Elev 1640m | Test 819 M, 76° . 165.5° Az | Date Logged 17/09/99 – 06/10/99

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	**987.3M – EOH – GRANITOID CONTINUED 950 – 1000M CONTINUED**	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm
											Contact is faulted (vein and gouge), highly fractured (chlorite). Rock is crushed somewhat, slight shearing. Disseminated pyrrhotite, trace arsenopyrite in granitoid.	976	978	2					
											From 987.7m, alteration decreases somewhat but rock is still mottled with original fabric obscured. By 988.8m, fabric is apparent, rock looks more fresh and less altered.	978	980	2					
											989m – The intrusive is fine grained until 989.5m, then fine to medium grained. Intrusive is leucocratic. Colour index ~15, cut by abundant chlorite, lesser epidote fractures.	980	982	2					
											Hornblende is altered to chlorite, some sausseritization of feldspar.	982	984	2					
											Ground mass looks like mostly quartz feldspar aggregate. Tiny flakes of biotite as well. By 992m, intrusive is medium grained.	984	986	2					
											999.5m A 2.5 cm quartz vein with pyrrhotite, pyrite, chlorite and dark grey (graphite-chlorite) envelope grading to soft chlorite altered fractured rock with slight gouge. Two further 1 cm	986	986.65	0.65					
											quartz veins at 999.9m with similar envelopes. Pyrrhotite, pyrite and probable tourmaline needles.	986.8	987.3	0.5					
												993	994.4	1.4					

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DRILL HOLE PP 9901 | Compl'n Date 6/10/99 | Core 12.5 m to 1005.2 m | Grid N/S ____ | UTM N 5506300 | Test 629 M, 73°, 158.5° Az | Logged By LPG, PD

DEPTH 1005.2 m | Casing Depth 12.5 m | Casing Left 12.5 m | Dip -80° | Az 170° Elev 1640m | Test 819 M, 76°, 165.5° Az | Date Logged 17/09/99 – 06/10/99

	PRIMARY FABRIC		ALTERATION			STRUCTURE			MINERALIZATION		COMMENTS	ASSAY INTERVAL							
1000 LITH	TYPE	(m)	TYPE	INT	(m)	TYPE	ANG	(m)	TYPE	%	987.3M – EOH – GRANITOID CONTINUED	From	To	(m)	No	Cu ppm	Pb ppm	Zn ppm	Ag gm
grd ZnS		1005.	2. EOH								1003m Rock becomes mottled looking again and fabric is disrupted.								
											1005.2m EOH. Hole ends in granitoid.								
1010																			

APPENDIX VII

Drill Sample Analytical Results

25-Oct-99

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

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

ICP CERTIFICATE OF ANALYSIS AK 99-597

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

ATTENTION: SIG WEIDNER

No. of samples received: 72
Sample type: Core
PROJECT #: 9903
SHIPMENT #: None Given
Samples submitted by: S. Weidner

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	7501	<5	<0.2	1.23	<5	90	<5	0.15	<1	17	41	41	3.42	20	0.56	230	2	0.01	24	470	12	<5	<20	<1	0.13	<10	<1	<10	42	82
2	7502	<5	<0.2	2.10	<5	90	10	1.06	<1	13	72	19	3.18	10	1.32	768	1	0.08	16	580	82	15	<20	20	0.14	<10	<1	<10	39	112
3	7503	<5	<0.2	0.93	<5	55	5	0.46	<1	11	68	21	2.38	20	0.40	293	<1	0.01	16	220	26	<5	<20	4	0.09	<10	<1	<10	33	57
4	7504	<5	<0.2	0.99	<5	80	<5	0.25	<1	15	50	30	2.76	20	0.44	234	1	0.01	22	850	8	<5	<20	<1	0.11	<10	<1	<10	31	47
5	7505	<5	<0.2	1.72	<5	100	10	0.77	<1	14	66	29	3.56	<10	1.04	624	2	0.04	17	570	64	5	<20	7	0.14	<10	<1	<10	45	104
6	7506	<5	<0.2	1.11	<5	80	5	0.14	<1	13	59	18	2.94	20	0.48	233	1	0.01	18	340	6	<5	<20	<1	0.11	<10	<1	<10	27	66
7	7507	<5	<0.2	1.17	<5	70	<5	0.12	<1	13	43	31	3.02	20	0.51	230	<1	<0.01	18	300	10	<5	<20	<1	0.12	<10	<1	<10	45	78
8	7508	<5	<0.2	1.03	<5	80	<5	0.22	<1	13	53	27	2.62	20	0.42	203	<1	0.01	18	260	8	<5	<20	3	0.11	<10	<1	<10	17	26
9	7509	<5	<0.2	1.02	<5	75	10	0.29	<1	12	42	19	2.78	20	0.44	356	1	0.01	17	260	6	<5	<20	3	0.10	<10	<1	<10	25	74
10	7510	<5	<0.2	1.20	<5	95	5	0.26	<1	12	62	15	2.81	20	0.54	417	2	0.02	17	490	12	<5	<20	<1	0.13	<10	<1	<10	35	56
11	7511	<5	<0.2	0.93	<5	70	<5	0.15	<1	11	44	18	2.44	20	0.37	281	1	0.01	16	330	4	<5	<20	<1	0.12	<10	<1	<10	28	44
12	7512	<5	0.2	0.79	525	65	<5	0.36	<1	11	44	9	2.06	20	0.39	302	2	0.01	14	370	246	<5	<20	5	0.07	<10	<1	<10	19	46
13	7513	<5	<0.2	1.23	<5	110	5	1.02	<1	11	71	16	2.38	10	1.02	621	1	0.02	15	540	48	<5	<20	15	0.12	<10	<1	<10	34	63
14	7514	<5	<0.2	1.42	<5	150	10	0.40	<1	16	48	30	3.43	20	0.70	612	2	0.02	23	400	14	<5	<20	2	0.18	<10	<1	<10	20	54
15	7515	<5	<0.2	1.33	265	110	<5	0.20	<1	20	43	36	3.56	20	0.57	454	2	0.01	24	400	8	<5	<20	<1	0.14	<10	<1	<10	18	21
16	7516	5	<0.2	1.89	<5	125	10	0.30	<1	22	74	61	4.61	<10	1.17	900	4	0.03	21	580	22	<5	<20	2	0.18	<10	<1	<10	27	87
17	7517	<5	<0.2	1.22	<5	135	<5	0.41	<1	16	56	32	3.20	<10	0.77	679	2	0.02	18	500	22	<5	<20	4	0.14	<10	<1	<10	22	51
18	7518	<5	<0.2	1.23	<5	100	10	0.35	<1	14	65	29	3.09	20	0.63	594	2	0.02	18	450	34	<5	<20	2	0.12	<10	<1	<10	18	66
19	7519	<5	<0.2	1.16	10	85	<5	0.26	<1	16	33	39	3.43	20	0.57	505	2	0.01	24	390	8	<5	<20	<1	0.12	<10	<1	<10	12	58
20	7520	<5	<0.2	1.42	<5	145	5	0.32	<1	13	60	29	3.27	<10	0.87	628	2	0.02	17	450	26	<5	<20	1	0.11	<10	<1	<10	18	71
21	7521	5	<0.2	1.14	<5	110	<5	0.15	<1	13	49	22	2.87	<10	0.49	397	2	0.01	21	330	8	<5	<20	<1	0.13	<10	<1	<10	22	38
22	7522	<5	<0.2	1.14	10	80	5	0.22	<1	19	40	23	3.09	10	0.51	450	1	0.01	22	380	12	<5	<20	<1	0.11	<10	<1	<10	24	81
23	7523	5	<0.2	1.32	<5	90	<5	0.30	<1	14	48	25	3.33	10	0.73	555	1	0.01	18	370	50	<5	<20	<1	0.11	<10	<1	<10	28	141
24	7524	<5	<0.2	1.19	<5	95	<5	0.19	3	13	59	28	3.22	<10	0.61	534	2	0.01	20	380	24	5	<20	<1	0.09	<10	<1	<10	23	272
25	7525	<5	<0.2	0.87	<5	60	<5	0.26	<1	12	55	21	2.61	10	0.46	285	2	0.01	18	440	14	5	<20	3	0.08	<10	<1	<10	31	84

RIO ALGOM EXPLORATION LTD. ICP CERTIFICATE OF ANALYSIS AK 99-597 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
26	7526	<5	<0.2	0.94	<5	75	<5	0.49	<1	9	42	18	2.58	<10	0.55	363	1	0.02	12	490	4	5	<20	6	0.10	<10	<1	<10	38	37
27	7527	<5	<0.2	0.89	<5	45	<5	0.82	<1	10	56	29	2.63	<10	0.52	332	1	0.02	16	400	28	<5	<20	18	0.03	<10	6	<10	8	38
28	7528	<5	<0.2	0.26	7950	35	<5	2.75	8	11	54	25	1.54	<10	0.06	728	<1	0.01	22	730	10	<5	<20	58	<0.01	<10	3	<10	18	12
29	7529	<5	<0.2	0.47	30	45	<5	0.31	<1	8	77	24	1.99	10	0.15	165	<1	0.02	14	230	2	<5	<20	3	0.03	<10	<1	<10	13	12
30	7530	<5	<0.2	0.76	<5	70	<5	0.17	<1	7	59	14	1.94	10	0.30	284	<1	0.02	10	210	8	<5	<20	<1	0.09	<10	<1	<10	31	17
31	7531	<5	<0.2	1.16	<5	85	5	0.24	<1	11	53	23	2.86	10	0.80	222	2	0.02	13	470	8	5	<20	<1	0.10	<10	<1	<10	28	26
32	7532	<5	<0.2	1.16	<5	80	10	0.28	<1	13	99	28	3.00	10	0.69	274	3	0.03	18	390	8	<5	<20	2	0.10	<10	<1	<10	32	29
33	7533	<5	<0.2	1.22	<5	75	10	0.48	<1	17	66	33	4.05	20	0.71	288	3	0.02	25	480	8	<5	<20	6	0.13	<10	<1	<10	16	40
34	7534	<5	<0.2	1.08	<5	55	5	0.21	<1	17	102	40	3.65	20	0.59	246	2	0.02	24	520	8	<5	<20	<1	0.10	<10	<1	<10	30	32
35	7535	<5	<0.2	1.02	<5	55	<5	0.19	<1	16	55	37	3.49	10	0.58	243	2	0.02	20	410	6	<5	<20	<1	0.09	<10	<1	<10	28	32
36	7536	<5	<0.2	0.74	<5	50	<5	0.91	<1	12	89	24	2.10	10	0.40	252	2	0.02	16	480	14	<5	<20	6	0.09	<10	<1	<10	35	32
37	7537	<5	<0.2	0.82	25	60	<5	0.88	<1	24	56	27	2.49	10	0.50	265	2	0.02	23	460	34	<5	<20	2	0.09	<10	<1	<10	30	49
38	7538	<5	<0.2	0.77	70	75	10	0.61	<1	15	56	38	3.44	10	0.60	302	1	0.01	23	510	18	<5	<20	6	0.08	<10	<1	<10	11	60
39	7539	<5	<0.2	1.21	<5	80	<5	0.72	<1	16	80	32	3.55	20	0.78	310	2	0.02	23	560	34	<5	<20	3	0.12	<10	<1	<10	29	149
40	7540	<5	<0.2	0.88	<5	70	<5	0.83	<1	15	54	31	3.04	10	0.59	280	1	0.02	23	500	40	5	<20	3	0.10	<10	<1	<10	21	103
41	7541	<5	<0.2	1.05	<5	65	10	0.67	<1	14	92	26	2.65	10	0.68	281	1	0.02	22	560	52	<5	<20	<1	0.11	<10	<1	<10	43	84
42	7542	<5	<0.2	0.96	5	65	<5	0.98	<1	13	70	27	2.80	20	0.68	293	1	0.02	20	550	34	5	<20	10	0.07	<10	<1	<10	19	83
43	7543	<5	<0.2	0.95	<5	65	<5	0.54	<1	18	78	40	3.16	10	0.60	235	1	0.02	30	500	58	<5	<20	2	0.08	<10	<1	<10	29	97
44	7544	<5	<0.2	0.98	<5	75	5	0.57	<1	13	57	24	2.39	10	0.71	244	2	0.02	24	590	32	10	<20	<1	0.10	<10	<1	<10	39	59
45	7545	<5	<0.2	1.14	<5	70	10	0.41	<1	11	92	14	2.18	<10	0.76	293	2	0.03	20	590	16	5	<20	<1	0.12	<10	<1	<10	38	50
46	7546	<5	<0.2	1.04	<5	70	<5	0.26	<1	12	72	21	2.16	<10	0.78	287	1	0.03	27	600	22	5	<20	<1	0.10	<10	<1	<10	37	74
47	7547	<5	<0.2	1.35	<5	95	5	0.40	<1	13	161	26	2.60	<10	0.86	350	2	0.06	28	810	10	5	<20	1	0.13	<10	<1	<10	40	51
48	7548	<5	<0.2	2.50	<5	395	15	0.24	<1	13	109	4	4.77	<10	1.58	621	1	0.03	30	820	14	<5	<20	1	0.16	<10	<1	<10	20	106
49	7549	<5	<0.2	2.07	<5	350	15	0.36	<1	10	126	2	3.66	10	1.39	590	1	0.03	39	1020	24	5	<20	1	0.16	<10	<1	<10	46	86
50	7550	<5	<0.2	2.18	<5	375	15	0.29	<1	9	108	2	3.90	<10	1.52	661	2	0.03	40	880	36	10	<20	<1	0.15	<10	7	<10	34	105
51	7551	<5	<0.2	2.19	<5	280	10	0.41	<1	18	156	15	4.47	<10	1.39	649	2	0.04	38	1500	18	<5	<20	<1	0.20	<10	10	<10	43	115
52	7552	<5	<0.2	2.11	<5	395	15	0.33	<1	12	148	4	4.01	10	1.34	593	2	0.03	42	1360	14	<5	<20	<1	0.16	<10	14	<10	39	94
53	7553	<5	<0.2	2.06	15	375	15	0.51	<1	16	198	5	3.88	20	1.33	634	1	0.04	45	1570	16	10	<20	<1	0.16	<10	24	<10	43	106
54	7554	<5	<0.2	2.36	15	225	15	1.71	<1	22	110	27	5.26	<10	1.58	988	1	0.02	27	1710	22	<5	<20	11	0.19	<10	21	<10	29	216
55	7555	<5	0.4	0.25	9900	50	<5	2.44	4	19	79	16	2.70	<10	0.45	683	1	0.02	56	1200	90	<5	<20	21	<0.01	<10	2	<10	15	63
56	7556	<5	<0.2	1.51	40	205	15	1.59	<1	19	127	10	3.42	<10	1.11	798	2	0.02	62	1330	86	5	<20	12	0.15	<10	<1	<10	37	220
57	7557	<5	<0.2	1.42	10	160	5	0.76	<1	9	92	3	2.43	10	1.23	500	2	0.02	27	740	30	10	<20	4	0.14	<10	<1	<10	38	78
58	7558	<5	<0.2	1.93	<5	275	15	0.58	<1	12	84	5	3.37	10	1.38	462	1	0.03	23	680	14	10	<20	2	0.17	<10	<1	<10	45	88
59	7559	<5	<0.2	1.22	<5	200	5	0.49	<1	8	91	2	2.19	10	0.89	276	1	0.04	16	510	8	10	<20	3	0.13	<10	<1	<10	45	52
60	7560	<5	<0.2	1.46	<5	240	5	0.39	<1	9	83	3	2.71	<10	1.00	370	1	0.03	17	550	12	5	<20	1	0.12	<10	<1	<10	29	57

RIO ALGOM EXPLORATION LTD. ICP CERTIFICATE OF ANALYSIS AK 99-597 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
61	7561	<5	<0.2	1.52	<5	210	5	0.56	<1	9	104	2	2.74	10	0.99	383	2	0.03	20	620	12	<5	<20	6	0.15	<10	<1	<10	31	56
62	7562	<5	<0.2	1.55	<5	150	5	1.35	<1	12	75	4	2.93	20	1.04	420	1	0.02	21	650	24	10	<20	25	0.18	<10	<1	<10	64	41
63	7563	<5	<0.2	0.93	<5	85	5	1.44	<1	13	103	25	3.26	10	0.81	408	3	0.03	28	610	10	5	<20	24	0.08	<10	<1	<10	19	82
64	7564	<5	<0.2	0.08	<5	10	<5	1.60	<1	6	59	26	1.08	<10	0.05	443	1	0.01	16	420	20	<5	<20	19	<0.01	<10	<1	<10	6	2
65	7565	<5	<0.2	1.26	<5	140	10	1.21	<1	17	81	15	3.13	<10	0.90	496	4	0.03	16	750	18	<5	<20	14	0.14	<10	<1	<10	37	58
66	7566	<5	<0.2	1.20	<5	110	10	0.74	<1	10	75	2	2.19	<10	0.84	360	3	0.03	17	480	14	5	<20	8	0.14	<10	<1	<10	43	35
67	7567	<5	<0.2	1.09	5	70	10	1.22	<1	9	65	5	2.51	10	1.15	386	2	0.02	16	620	14	5	<20	14	0.12	<10	<1	<10	33	49
68	7568	<5	<0.2	1.02	10	95	10	1.22	<1	12	66	3	2.44	<10	0.97	377	2	0.02	22	510	24	5	<20	20	0.13	<10	<1	<10	24	52
69	7569	<5	<0.2	1.18	<5	135	<5	1.42	<1	10	114	11	2.62	20	0.86	401	3	0.04	21	580	8	10	<20	20	0.14	<10	<1	<10	30	65
70	7570	<5	<0.2	1.25	<5	140	10	1.51	<1	11	92	12	2.79	10	0.93	427	2	0.03	21	620	12	10	<20	22	0.16	<10	<1	<10	30	70
71	7571	<5	<0.2	0.16	30	15	<5	2.73	<1	13	131	79	2.81	<10	0.20	475	3	0.01	51	1360	6	<5	<20	41	<0.01	<10	<1	<10	7	8
72	7572	<5	<0.2	0.29	10	10	<5	0.85	<1	3	74	6	0.73	20	0.11	189	1	0.04	3	580	30	<5	<20	2	0.07	<10	<1	<10	60	51
QC DATA:																														
Resplit:																														
1	7501	<5	<0.2	1.20	<5	90	<5	0.12	<1	17	47	37	3.35	20	0.54	228	1	0.01	23	410	12	<5	<20	<1	0.11	<10	<1	<10	41	84
36	7536	<5	<0.2	0.74	10	50	<5	0.99	<1	14	86	24	2.27	10	0.40	269	2	0.02	19	540	18	<5	<20	3	0.09	<10	<1	<10	36	32
71	7571	<5	<0.2	0.18	35	10	<5	3.01	<1	16	141	83	3.06	<10	0.22	524	2	0.02	52	1410	8	<5	<20	41	<0.01	<10	<1	<10	8	7
Repeat:																														
1	7501	<5	<0.2	1.23	<5	95	<5	0.16	<1	18	42	40	3.54	30	0.56	237	2	0.01	22	490	14	<5	<20	1	0.15	10	<1	<10	45	87
10	7510	<5	<0.2	1.16	<5	90	<5	0.24	<1	11	56	15	2.55	20	0.48	378	2	0.01	16	460	12	<5	<20	<1	0.11	<10	<1	<10	30	54
19	7519	<5	<0.2	1.15	<5	80	<5	0.26	<1	16	32	38	3.36	20	0.56	496	2	0.01	22	380	10	<5	<20	<1	0.11	<10	<1	<10	11	56
36	7536	<5	<0.2	0.78	10	50	<5	0.96	<1	13	94	24	2.23	20	0.42	268	2	0.02	17	510	16	<5	<20	3	0.10	<10	<1	<10	37	34
45	7545	<5	<0.2	1.12	<5	70	<5	0.41	<1	11	90	13	2.19	<10	0.75	293	2	0.03	20	600	18	5	<20	<1	0.12	<10	<1	<10	39	51
54	7554	<5	<0.2	2.21	15	250	15	1.65	<1	21	106	26	5.06	<10	1.50	945	1	0.02	28	1650	22	5	<20	10	0.18	<10	24	<10	26	212
Standard:																														
GEO'99		115	1.0	1.78	65	160	<5	1.87	<1	20	64	77	3.85	<10	0.96	678	2	0.02	24	740	20	10	<20	55	0.08	<10	75	<10	8	71
GEO'99		115	1.0	1.72	60	145	<5	1.88	<1	19	64	78	3.63	<10	0.96	661	2	0.02	22	780	22	10	<20	56	0.09	<10	76	<10	8	79

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

df/597
XLS/99
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