

**2000 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**

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**GEOLOGICAL SURVEY BRANCH  
ASSESSMENT REPORT**

**26,361**

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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., dated May 11, 1999. 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 and remote areas 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 formation 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 June 11 and September 27, 2000. Geological mapping and lithochemical sampling was geared towards refining and expanding the previous seasons fieldwork 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 and east trending faults.

Two diamond drill holes (PP-00-1 and PP-00-2) were completed between July 27 and September 17, 2000. The target was a Sullivan-type mineral deposit at the LMC. The LMC was not intersected in PP-00-1. The hole was interpreted to have passed from middle Aldridge into the upper part of the lower Aldridge, with some of the section being removed by a west-side-down normal fault (the Alki Fault).

In hole PP-00-2, the LMC was intersected. Sullivan Horizon equivalent rocks, weakly to moderately anomalous in Zn and Pb, were cored for 13m before a fault zone was encountered. Lower Aldridge Formation strata below this fault was not geochemically anomalous, and it was interpreted that some of the section was removed by the fault. This fault was not previously recognised in outcrop.

The Sullivan Horizon equivalent strata tested by hole PP-00-2 was weakly to moderately anomalous in Zn and Pb. The assay values (87ppm Pb, 226ppm Zn over 7.43m) indicate that the Sullivan Horizon equivalents in this hole are distal to ore bearing strata. Application of Rio Algom's parameters for an orebody of sufficient size, based on the Sullivan deposit model and

current understanding of the Pyramid Peak property geology, suggests that there are no further targets to test on this property. Further drilling is not recommended.

## **2.0 Introduction**

### **2.1 Property Location, Access and Physiography**

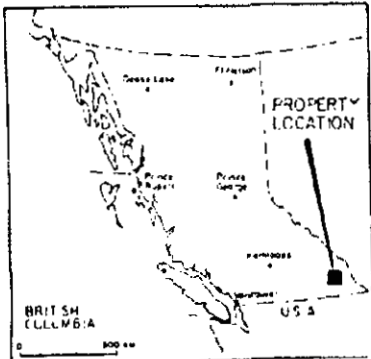
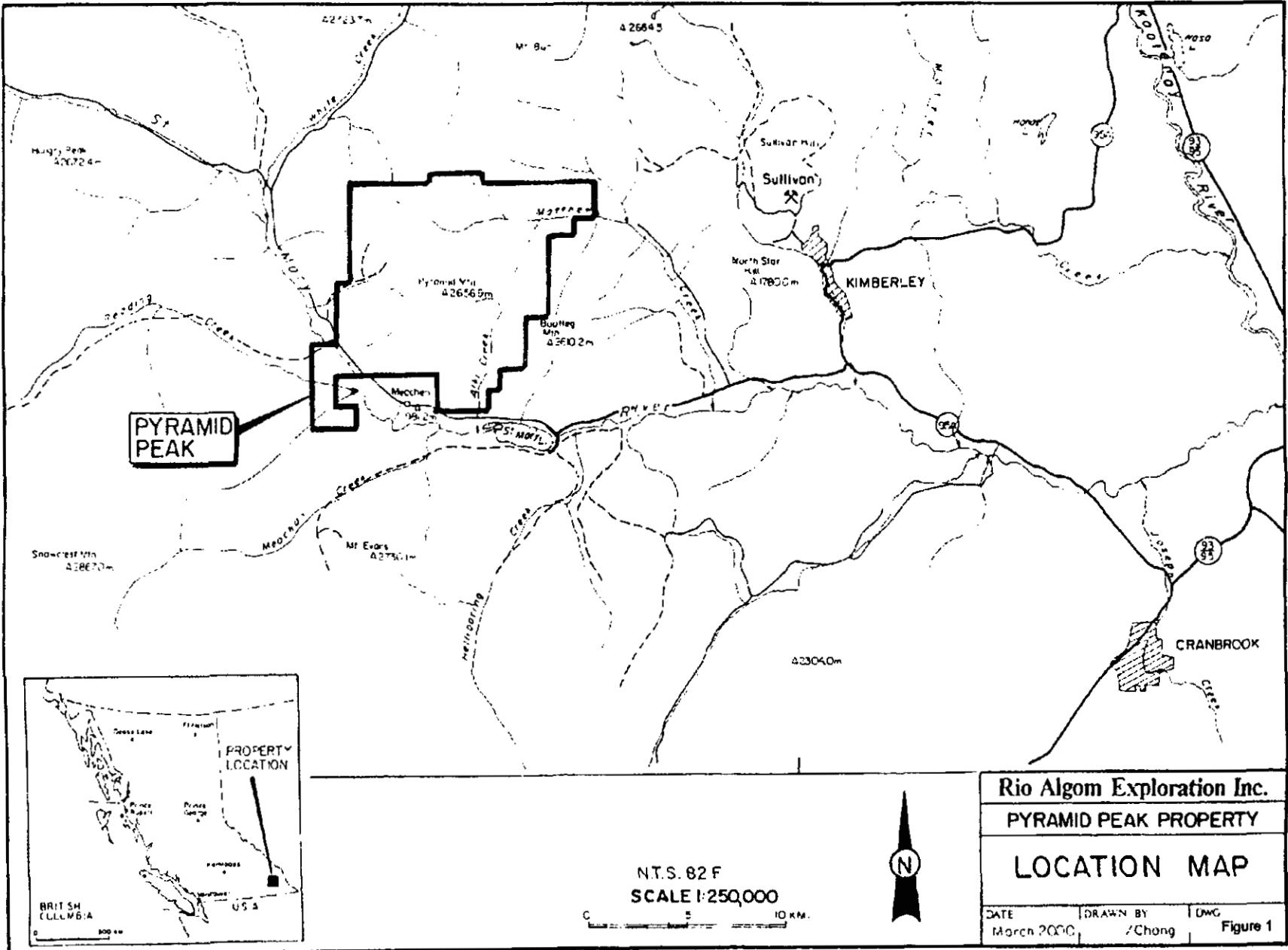
The Pyramid Peak property comprises 87 mineral claims with a total of 476 claim units. The property is centred about Pyramid Peak, 13km west of Kimberley, B.C. The Pyramid Peak property is within the Fort Steele Mining Division, covered by NTS map sheet 82F/09, and is centred at 49° 40' 00" north and longitude 116° 15' 00" west (Figure 1). 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 regions 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 off a new logging road 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. There has been some logging in the area, and it is currently ongoing at Alki Creek. At higher elevations, scrub spruce and alpine shrubs and grasses predominate. The high ridges and cirques expose bare rock and talus. Outcrop exposure is quite good along ridges as well as some steep valley walls and streambeds. The climate is characterized by low to moderate precipitation with temperatures ranging from -30° Celsius in the winter to over 25° 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. The claim expiry dates listed reflect work credits filed with this report.



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### 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-1860s. 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 1900s. (see section 4.0, Property Geology).

Current exploration activity in the East Kootenay is 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 drill holes were completed by Abitibi in the south part of the Pyramid Peak property near the St. Mary River. In 1999, Rio Algom Exploration Inc. undertook a program of geological mapping and lithochemical sampling on the Pyramid Peak Property. A single diamond drill hole (PP-99-1) was completed in the northern part of the property (Gal and Weidner, 1999).

### 3.0 Regional Geology

The Pyramid Peak property is located within the Purcell Anticlinorium, a broad, gently north plunging structure with dominantly east verging thrust and fold structures. 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) (Figure 1). 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 white to 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 locally includes 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.

In the absence 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 middle Aldridge Formation is rather monotonous in character and about 2,500m to 3,500m thick. Within the middle Aldridge Formation are distinctive grey laminated

siltstone (marker laminite) horizons comprised of thin alternating light and dark laminae. The millimetre-scale patterns of light and dark laminae are distinctive for each marker unit, and can be correlated over considerable distances. At the Sullivan Mine area, the various markers occur at known and measured distances above the LMC. The markers (once identified) can be used throughout the basin to estimate stratigraphic distance above the LMC.

The upper Aldridge Formation, consists of rusty weathering and dark grey, 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. Significant among these is the Clair fragmental (or 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 siltstone and wacke, and some are albitized, tourmalinized or pyrite-pyrrhotite altered. Larger, angular mudstone rip-up clasts are also common. The Clair fragmental continues across St. Mary River to the south part of the Pyramid Peak property. The unit is quite thick (50m?) north of the St. Mary River, then thins northeastward along the exposure of the LMC. South of Murphy Creek, the fragmental bed is no more than 1 or 2m thick

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 in thickness from a few to several hundred metres. The sills are interpreted to be syn-depositional, and to have intruded unlithified sediments without any loss of sedimentary stratigraphy.

In the Pyramid Peak region, 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 are characterized by open north trending folds, and gently to moderately dipping fault bounded blocks.

The Kimberley Fault extends along the north boundary of the Pyramid Peak property, eastward to the Sullivan Mine. 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 mine area (e.g., 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. Many north trending faults occur on the Pyramid Peak property, and some are thought to be analogous to the Sullivan Fault.

Although several deformational episodes are documented in the region, 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. At the outcrop scale, foliation is variably developed. The best developed foliation generally occurs adjacent to and within fault and shear zones. Open tectonic folds and soft-sediment folds are also evident at the outcrop scale.

The metamorphic grade is regionally within the greenschist facies. A metamorphic culmination of sillimanite grade occurs southeast of the Pyramid Peak property, at the confluence of Matthew Creek and the St. Mary River valley. The amphibolite facies metamorphic and structural features suggest a core complex, or the core of a large-scale fold structure. Plutonism may also be a factor.

The Proterozoic Hellroaring Creek granodioritic pegmatite stock and related dykes, located south of the St. Mary River, intrude the Aldridge Formation and Moyie gabbro sills. The youngest intrusive rocks in the area are Cretaceous, including the White Creek batholith, the Hall Lake pluton and the Reade Lake stock. Thin lamprophyre dykes of probable Cretaceous age intrude all units.

The Sullivan deposit is the only major base metal deposit in the region, at 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

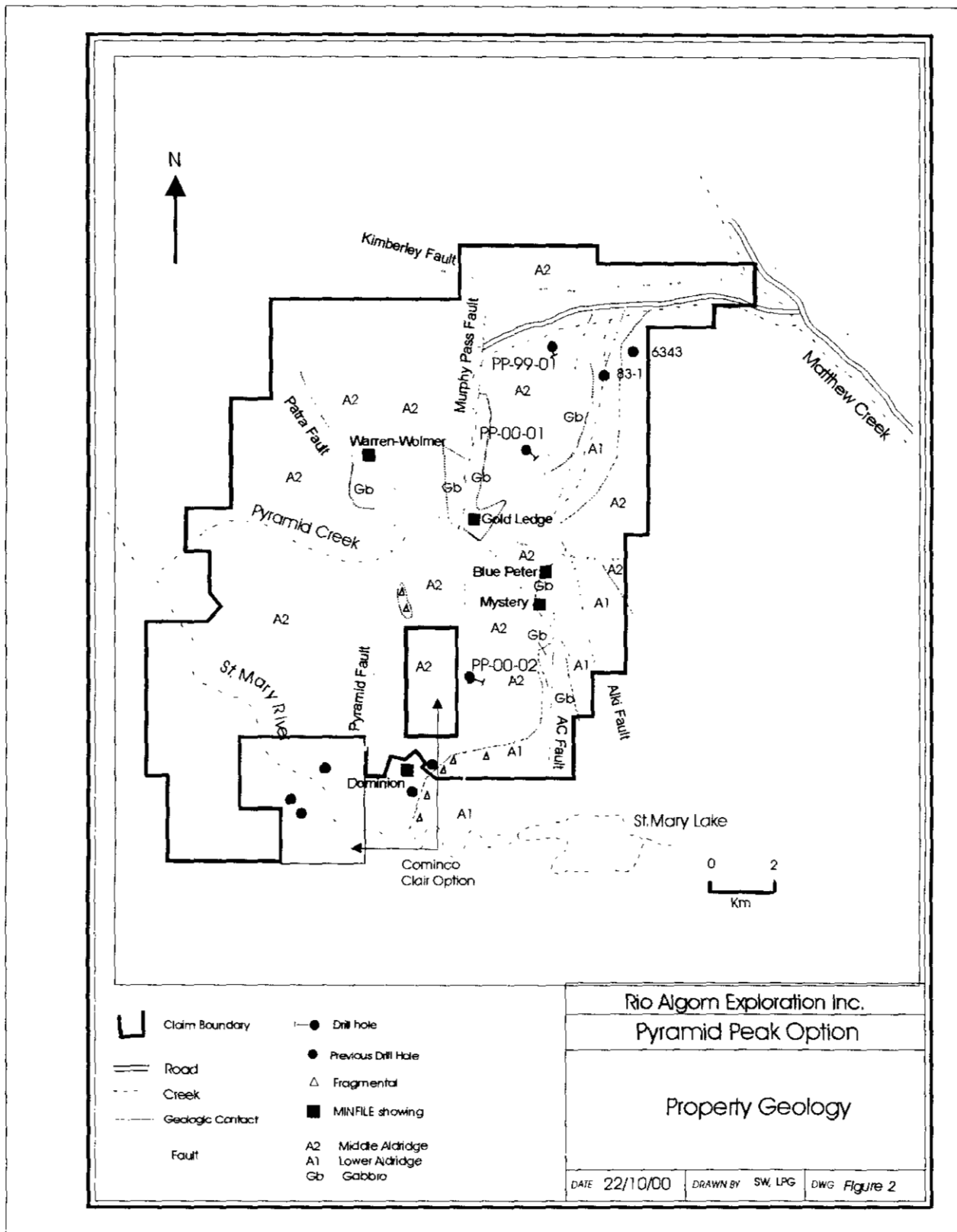
The Pyramid Peak property is underlain by Purcell Supergroup metasediments of the lower and middle Aldridge Formations. The Aldridge Formation sediments dip gently to moderately and mainly westward within a series of fault bounded blocks. North and northeast trending open folds occur locally. The lower Aldridge is restricted to the east side of the property. The middle Aldridge outcrops elsewhere. Several Moyie sills intrude the Aldridge Formation (Figure 2).

Several north and east trending faults serve to divide the property into gently dipping blocks. Among the north trending faults, the Pyramid and Murphy Pass Faults are down dropped to the east. The Alki and AC Faults are down dropped to the west. The Pyramid and Alki Faults form the west and east boundaries to the Clair graben. This is thought to be a Proterozoic aged structure. The Patra Fault is a northwest trending, northeasterly directed thrust fault associated with a wide zone of alteration and shearing. At least 300m of vertical throw can be demonstrated. The Kimberley Fault is an east trending, north dipping normal fault. Most other major east trending faults on the property also indicate north-side-down offset.

Several mineral showings occur within the property boundaries and are listed in the B.C. MINFILE (Figure 2). They are essentially all quartz (+/- carbonate) sulphide veins (chalcopyrite, galena, arsenopyrite) within Aldridge sediments, at or near 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.

Sections 6.1-6.4 discuss the property geology in greater detail





## **5.0 2000 Exploration Program**

### **5.1 Objective and Exploration Target**

The exploration target for Rio Algom Exploration Inc. on the Pyramid Peak property was a Sullivan-type sedimentary exhalative (Sedex) zinc-lead sulphide deposit stratigraphically situated at the lower Aldridge-middle Aldridge contact (LMC).

The objective for the 2000 program was to drill test targets that were defined by previous geological mapping (Gal and Weidner, 1999). Some geological mapping was carried out in specific areas of interest. This mapping supplemented and refined previous work, in order to facilitate the spotting of drill holes.

### **5.2 Procedure**

Two diamond drill holes were completed between July 27 and September 17, 2000; by Beaupre Diamond Drilling Ltd. of Princeton, BC. (see section 7.0). Patrick Donnelly and Leonard Gal, P.Geo supervised the drilling in the field and logged core. Geological mapping was conducted between June 11 and September 27 by Gal, assisted by Lloyd Addie. Siegfried O. Weidner, senior geologist for Rio Algom Exploration Inc., supervised the entire program. 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 identification. Drill core and rock samples were collected and shipped to Eco-Tech Laboratories of Kamloops, BC for 28 element ICP and gold (AA +fire assay) analysis.

## **6.0 2000 Exploration Results**

### **6.1 Geological Mapping**

Mapping was conducted at a scale of 1:10,000 using TRIM base maps and air photos. The geological maps of Gal and Weidner (1999) have been amended to include the new information and interpretations. The geology map is included in Appendix VII (Map 1a, 1b) as well as five cross sections (Maps 2, 3).

The following lithological descriptions are taken from Gal and Weidner (1999).

#### **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. Schistose textures are locally observed. The lower Aldridge Formation (A1) outcrops on the east side of the Pyramid Peak property: east of Alki Creek and south of the Bootleg Fault, south of Murphy Creek on the west side of Alki Creek, and in the valley of "East Creek". Medium bedded grey

weathering quartzite was mapped in East Creek and west of Alki Creek, and has been tentatively correlated with the Footwall Quartzite (FWQ).

#### Middle Aldridge (A2)

The A2 stratigraphy is comprised of typically medium to thin bedded, fine to medium grained and rusty or grey-brown weathering quartz wackes, quartzitic wackes, sub-wackes, 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 less micaceous than the corresponding A1 lithologies.

From within the A2, four laminite markers were identified. A further three samples were tentatively correlated. Appendix II contains a list of laminate locations and identifications.

#### Fragmentals (Frag)

The Clair fragmental is interpreted to continue onto the Pyramid Peak property, northwest of St. Mary Lake. The best exposure is at 554150, 5497450N, where thick (up to 50m?) rusty fragmental outcrops at the LMC, on the west side of a steep gully. The fragmental here has a variety of altered clasts, including pyrrhotized ones, up to a few cm in size. The fragmental bed(s) decrease in thickness as the LMC is traced east and north. South of Murphy Creek, the fragmental is no more than 1 or 2m thick, with very few fragments in a massive micaceous wacke matrix.

On the eastern valley slope above East Creek, fragmental units were not identified at the LMC. Northwest of Bootleg Mtn, there was some fragmental observed in outcrop and float. The fragmental here has few fragments and is interpreted to be thin. Nearby is a fragmental unit within the middle Aldridge (558950E, 5500700N). This unit is about 40-50m stratigraphically above the LMC. The rock is grey to slightly rusty weathering, medium grained quartzitic wacke matrix with many small rounded fragments.

The Murphy fragmental is a conformable body of stacked fragmental beds occurring within the A2, at or near the stratigraphic level of the Moyie marker, some 760m above the LMC. Individual fragmental beds range from 10cm to several metres thick. They are massive, rusty weathering quartzitic wacke beds, with a variety of matrix-supported clasts. Albite, sericite and pyrrhotite altered clasts are common. Tourmaline was also observed. The unit was traced from the north side of Murphy Lake to the ridge at 553500E, 5501600N.

Southwest of the Murphy fragmental, another stratiform fragmental sheet was mapped (552750E, 5499750N) that featured strong albite, sericite and biotite alteration.

### Gabbro (gb)

The Moyie intrusions were observed in 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 intrusions 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. Biotite, chlorite and quartz occur as alteration and/or metamorphic phases. Disseminated pyrrhotite and traces of chalcopyrite have been observed. The Moyie intrusions are non-magnetic except where considerable disseminated pyrrhotite is present.

Along Alki Creek a number of thick gabbro sills occur, offset by or possibly occupying the AC Fault. On the east side of the AC Fault, thick gabbros intrude the A1. On the west side south of Murphy Creek, a gabbro sill outcrops not far below the LMC. North of Murphy Creek, a different gabbro (probably the "Hiawatha" sill, so named because of its proximity to the Hiawatha marker) has A2 in the immediate hanging wall.

On the west side of East Creek, the "Hiawatha" sill outcrops between the East Creek and Alki Faults. This 250m thick sill was encountered in a previous drill hole (PP-99-1), but not in PP-00-1. It is inferred that the sill ramps or arches upward through the stratigraphy to the south and west.

The "Sundown" sill(s) outcrops at several places on the property, in both the hanging and footwalls of the Patra Fault.

Gabbro dykes up to 20m wide, but normally thinner, were mapped in Murphy Pass and at the headwaters of Alki Creek (554800E, 5502450N; and 555000E, 5502800N). It is probable that these dykes intrude along or near fault zones. On the ridge between Akli Creek and East Creek, a sheared gabbro lies in the Alki Fault zone.

### Lamprophyre (lph)

North trending, 1-2 metre wide lamprophyre dykes occur at 552940E, 5501770N; and 555200E, 5497700N. They are also recognized in drill core, and were likely intruded along fault zones.

## 6.2 Structure

The bedding planes throughout the Pyramid Peak property indicate gently to moderately dipping blocks of sediments bounded by faults. Dips are mostly moderate to shallowly westward and northwestward. In the southwestern corner of the property along the St. Mary River valley, bedding dips moderately east-northeast. Other localised dip reversals and anomalous strike directions indicate folds. Local dip reversals are common directly adjacent to faults and some large gabbro sills. In the latter case, these are thought to be due to soft sediment deformation.

Foliation (cleavage) is almost always developed within finer grained siltstone units, and in some case the foliation is refracted through alternating wacke-siltstone interbeds. Foliations are in most cases steeper than the corresponding bedding, while dipping in the same direction. This fabric is considered to be indicative of regional east-southeast verging fold structures. In most cases, strongly developed foliations are due to nearby fault zones, and provided an outcrop-scale indication of the attitude of the zone.

Few large-scale folds were mapped; these are generally gentle open flexures. The axial traces of mapped folds trend north to northwest.

Major faults on the property trend both north and east. The east trending faults are mostly north-side-down, while the north trending faults display both east-side and west-side-down displacements. The major faults are discussed below.

### **6.2.1 East Trending Faults**

The Kimberley Fault is exposed along the north side of the property. On the west side of the north branch of Matthew Creek (562300E, 5507450N), strong shearing and chlorite alteration, and associated quartz veining are evident in the fault zone that appears to dip approximately 40° north. On the Pyramid Peak property, A2 strata occur in both hangingwall and footwall of the fault.

The Matthew Creek Fault is inferred from the apparent offset of the LMC on the east side of East Creek; to the north, where A2 outcrops on the north side of Matthew Creek. Thus, north-side-down offset is indicated. Further to the west, there does not appear to be any offset along this fault, as gabbro sills can be traced across the Matthew Creek valley.

The Bootleg Fault truncates the LMC on the east side of the property, and runs up the upper Alki Creek valley. At the head of Alki Creek, there may be as much as 100m of vertical offset, evidenced by the separation of the Sundown marker horizon across the fault. North-side-down displacement is indicated.

The Murphy Creek Fault was inferred from relations observed in drill hole PP-00-2, namely, the increased distance from the Fringe marker to the LMC. A lamprophyre dyke observed in drill core probably marks the fault zone.

### **6.2.2 North Trending Faults**

The Pyramid Fault is indicated by an increasing degree of steep dipping foliations at the head of Pyramid Creek. East side down displacement, with up to 200m of vertical throw, is indicated by the offset of marker beds.

The Murphy Pass Fault is exposed in the headwaters of Matthew Creek (554600E, 5503300N). Strongly developed west-dipping foliation and chlorite, sericite and albite alteration were

observed, but the fault is more difficult to trace to the south. It was intersected in drill hole PP-00-2, as a steeply dipping clay gouge zone. The offset is probably minor, on the order of 50m as indicated by the offset of marker units on the ridge south of Murphy Creek.

The AC Fault lies mostly in the valley of Alki Creek, where it is unexposed. It separates east and west dipping A1 strata on the lower part of Alki Creek. Where measured, foliations indicate a subvertical dip. West-side-down displacement is indicated by the juxtaposition of the LMC on the west side of Alki Creek, with A1 on the east side. The fault may be offset to the north by the Bootleg Fault, or it may merge with the Alki Fault.

The Alki Fault is considered to be the eastern bounding fault of the Clair graben. Evidence from drill holes suggests that the fault dips about 40° to the west. In outcrop, fault related foliations dip about 60-70° west. West-side-down displacement is indicated, with approximately 150m of vertical throw. The fault likely crosses Matthew Creek, and may intersect the Kimberley Fault on the north end of the property.

The East Creek Fault is a possible branch of the Alki Creek, and also has west-side-down motion. Middle and lower Aldridge Formations are juxtaposed along East Creek. In the order of 100m of vertical displacement is indicated. Strong foliation and fractures mark the fault zone at 558750E, 5505700N.

The Patra thrust fault trends northwestward across the Pyramid Property. On some earlier maps it is referred to as the Alki Fault. The fault zone is fairly well exposed from the headwaters of Alki Creek to Murphy Creek. It is marked by strong foliation and shearing, chloritic (+/- sericite, albite) alteration, and quartz veining. Shear zones and foliation dip 60-80° in outcrop. Strata are folded on both sides of the fault, and gabbros are associated with the trace of the fault zone. Alteration and disturbance seem to occur over a wider zone in the footwall than in the hangingwall. At the Wolmer-Warren showings, quartz sulphide veins occur in a linear zone that may be a splay fault in the footwall of the Patra Fault. At least 300m of vertical offset is indicated by the offset of marker units at the head of Alki Creek. The horizontal displacement is unknown, but it may be considerable. Likewise the timing of this fault relative to others is unclear.

### 6.3 Alteration

A regional greenschist facies metamorphism affected all rocks on the property. A high-grade zone characterized by sillimanite has been documented east of the property. Biotite and sericite were commonly observed in quartzitic wackes, subwackes and siltstones. Iron oxidation of pyrrhotite in the Aldridge Formation rocks (especially A1) is ubiquitous. More intense sericite, chlorite and albite alteration was noted within many fault and fracture zones. Albite-sericite-biotite alteration was also observed adjacent to some gabbro sills. Granophyre type alteration, caused by hydrothermal interaction of water saturated host sediments with intruding gabbros, was also observed in A1. The resulting even-grained, "salt and pepper" appearance of the altered sediments confused the contact relations with fine grained, altered, adjacent gabbros. A commonly observed feature in the quartz wackes of the Aldridge Formation were spherical to ellipsoidal "concretions". These are composed of quartz, feldspar, calcite, biotite, and often

garnet, chlorite, sericite, and locally sulphides. The mineral assemblage and unique texture of the concretions suggests that the original composition differed from the host sediments.

#### 6.4 Mineralization and Analytical Results

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

The highest values for base and precious metal mineralization were obtained from select sampling of several quartz sulphide veins exposed at the Gold Key workings and an unnamed showing at the headwaters of Pyramid Creek. At the Blue Peter showing, chalcopyrite, galena and sphalerite were observed in veins. Some significant assays are compiled in the table below:

##### Significant assays from quartz – sulphide veins

Sample No.	Au (ppb)	Ag (ppm)	As (%)	Cu	Pb	Zn	Comment
16732	190	77.5	0.0775	3.17%	4946ppm	1173ppm	Gold Key shaft-select quartz-chalcopyrite vein material from dump
16733	55	<0.2	>1.0	163ppm	1594ppm	28ppm	Gold Key shaft-select quartz-calcite-pyrite vein material from dump
16734	60	<0.2	>1.0	162ppm	104ppm	13ppm	Patra Fault zone- 5cm quartz-arsenopyrite vein
16738	70	5.6	>1.0	6ppm	2738ppm	7ppm	Adit at head of Pyramid Creek. Select quartz-arsenopyrite-galena vein material from dump.

Samples from fragmental units at the LMC were not anomalous. The best value of 92ppm Zn (sample 16727) was from fragmental with pyrrhotized clasts. Sample 7796 yielded 198ppm Pb from a fragmental bed within the A2, on the north side of Murphy Creek.

#### 7.0 Diamond Drilling

##### 7.1 Introduction

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 July 27 to September 17, 2000.

Drilling of hole PP-00-1 commenced on July 27, 2000 and was completed on August 7, 2000. The drill collar is at 557109E, 5504175N, at an elevation of 2146m a.s.l. The hole was drilled at an inclination of  $-77^{\circ}$  on a bearing of  $117^{\circ}$ . NQ sized core was drilled to a depth of 758.5m, with 3.28m of casing. Several Pajari instrument tests were performed to monitor the inclination and

azimuth of the drill hole during the drilling. The drill hole produced no water. However, owing to the sensitivity of the Matthew Creek watershed as a municipal water source, the hole was sealed with swelling clay (bentonite) pellets and a metal/rubber hole plug. The casing was left in place and a cap placed on the casing. All trees and timbers were bucked up to lie flat on the ground and facilitate natural re-vegetation, in accordance with the government permits.

Drill hole PP-00-2 was started on August 11 and completed on September 17, 2000. The drill collar is at 554864E, 5500089N, at an elevation of 1940m a.s.l. The hole was drilled at an inclination of  $-74^{\circ}$ , on a bearing of  $086^{\circ}$ . NQ sized core was drilled to a depth of 794.2m, with 6.7m of casing. Pajari instrument tests were performed to monitor the inclination and azimuth of the drill hole during the drilling. The drill hole produced no water. Upon completion, the hole was plugged and capped. The drill site at the base of a talus slope resulted in very little surface disturbance.

All core was transported to a nearby camp on the Matthew Creek Forest Service Road. The core was logged, and sample intervals marked out and split with a diamond saw on site. Upon completion of the logging and sampling, the core was transported and is stored at the residence of Mr. Glen Rodgers of Abitibi Mining Corp.

The drill logs are presented in Appendix V. Drill core sample assays are listed in Appendix VI. Graphic drill hole sections are presented in Appendix VII, Map 3a and 3b.



## 7.2 Drilling Results

### 7.2.1 PP-00-1

A summary log of drill hole PP-00-1 is presented in the table below:

#### Drill log summary for PP-00-1

Interval (m)	Lithology
0-3.28	Casing
3.28-43.7	A2
43.7-44.5	Gabbro
44.5-215.3	A2
215.3-217.7	Gabbro
217.7-241.3	A2
241.3-246.8	Gabbro
246.8-433.8	A2
433.8-440.45	Gabbro
440.45-446.9	A2: highly fractured, some veins and breccia
446.9-453.1	Fault zone, breccia (Alki Fault)
453.1-465.9	Gabbro
465.9-566.5	A1?: altered
566.5-570.5	Gabbro
570.5-582	A1
582-614.2	A1, Sullivan Horizon equivalent ?
614.2-688.4	Gabbro
688.4-707	A1, Sullivan Horizon equivalent ?
707-758.5	Gabbro
758.5	End of hole

#### 7.2.1.1 PP-00-1 Summary

Drill Hole PP-00-1 was collared in A2. Marker beds correlated with the Hiawatha marker were collected from the upper part of the hole, from 14 to 55m. The Fringe marker was intersected at 389m. Below this level, at 446.9-453.1m, a major fault zone was encountered. The zone was marked by strong foliation, shearing, chlorite-sericite alteration, and a 6m fault breccia zone, comprising matrix supported sub-angular to rounded fragments, in a soft sericite-clay-chlorite altered matrix. Narrow clay gouge zones were intersected near the centre of this zone. Quartz-sphalerite veins and brecciated vein fragments were collected from the breccia fault zone and from a gabbro in the hanging wall of the fault zone. A gabbro was also intersected in the footwall of the fault zone. Below the gabbro were sericite altered Aldridge sediments. These rocks were interpreted to be part of the lower Aldridge, probably not far below the LMC. The major fault zone below the Fringe marker was thus interpreted to have removed the LMC, and have brought up lower stratigraphy on its footwall (west-side-down displacement). Projection of the core bedding angles of the central gouge zone to surface resulted in good agreement with the mapped trace of the Alki Fault. Thus it is interpreted that the major fault zone cored by PP-00-1 is the Alki Fault. This results in a 40° westward dip for the fault, where it was originally considered to be steeply dipping or sub-vertical. Below the fault zone A1 lithologies were cored, with some thick massive laminated siltstones beds that could be correlated with Sullivan Horizon

stratigraphy. Gabbro sequences encountered near the bottom of the hole (from 614.2m) were considered to be the top of a very thick (200-400m?) gabbro that had been intersected within the top part of the A1 in older drill holes. The hole was stopped in gabbro. Thus while the LMC itself was not intersected, it is felt that the top of the A1 was intersected in the footwall of the Alki Fault, along with some possible Sullivan Horizon equivalents.

The determination that the Alki Fault dips moderately west rather than very steeply, led to a reinterpretation of last year's drill hole (PP-99-1), drilled some 2km north of PP-00-1. The Alki Fault here was projected to intersect this drill hole very near an observed fault-fracture breccia zone. The rocks below this fault zone were, upon re-examination, assigned to A1. Within this A1 unit were laminated wacke/siltstone sequences that could be correlated with Sullivan Horizon stratigraphy, including the zone previously identified as the top of the Sullivan Horizon at 912.8m. Furthermore, the drill hole was reinterpreted to end in albitized gabbro (987.3 – 1005.2m), rather than intermediate intrusive rock.

#### 7.2.1.2 PP-00-1 Geochemistry Results

A total of 102 core samples were split, and half of the interval sent to Eco-Tech Labs for 28 element ICP analysis, plus gold by AA-fire assay methods. Sampling was geared mainly toward the upper A1 laminated siltstones, i.e., the Sullivan Horizon equivalents.

The area within and adjacent to the Alki Fault zone, from 439m to 452m, yielded several anomalous Pb, Zn, and Ag values, commonly due to quartz-sulphide vein and fracture mineralization. Sample 18215 yielded 4.56% Pb, 11.6% Zn and 73.9 g/t Ag over 23cm, from a quartz-sulphide-chlorite vein within gabbro. Sample 18217 assayed 1.43% Zn over 1.13m, from fault zone breccia and fractured rock. Sample 18220 yielded 2.21% Pb, 7.65% Zn and 4.8 ppm Ag over 42cm, from semi massive sphalerite and brecciated sulphides within the Alki Fault zone.

Apart from the fault zone area, there were few anomalies. Sample 18182 yielded 138 ppm Pb over 1.55m, starting at 235m. This sample was from a zone of common tourmalinized mudchips and possible pyrrhotized fragments, probably a fragmental bed within A2. Sample 18202 assayed 104ppm Pb and 330ppm As over 1.13m, starting at 357m. This sample was collected from an interval displaying disturbed bedding, and including a 13mm quartz veinlet with arsenopyrite. Sample 18236 yielded 40ppm Pb and 277ppm Zn over 1.2m, starting at 539.7m. This sample was from laminated siltstone adjacent to a narrow fault zone.

The laminated siltstone-wacke beds within the A1 and below the fault zone, tentatively correlated with Sullivan Horizon lithologies, were generally not anomalous in Pb or Zn.

## 7.2.2 PP-00-2

A summary log for PP-00-2 is presented below:

### Drill log summary for PP-00-2

Interval (m)	Lithology
0-6.7	Casing
6.7-155.5	A2
155.5-157.5	Gabbro
157.5-162.6	A2
162.9-217.5	Gabbro
217.5-234.2	A2
234.2-235.1	Gabbro
235.1-428.7	A2
428.7-430.35	Altered mafic intrusive – lamprophyre ?
430.35-656.85	A2
656.85-669.9	<b>LMC: A1, Sullivan Horizon equivalent</b>
669.9-685.4	A1
685.4-691.0	Fault zone – A1
691-696.0	A1
696.0-714.1	<b>A1, Sullivan Horizon equivalent (?)</b>
714.1-794.2	A1
794.2	EOH

### 7.2.2.1 PP-00-2 Summary

Drill Hole PP-00-2 was collared in A2, below the Lamb marker, which outcrops on the ridge to the south. The Murphy Pass Fault was intersected at 145m, expressed by a gouge zone parallel to the core axis. A 54.6m thick gabbro sill was intersected at 162.9m, which may correlate with the “Hiawatha” sill. The Fringe marker was intersected at 333.5m. Below this level, a few minor shear or gouge zones were intersected, as well as an altered lamprophyre dyke at 428.7m. The lamprophyre was inferred to represent the Murphy Creek Fault. The LMC was intersected at 656.85m. The Fringe to LMC distance in core (283.35m) indicates that the Murphy Creek Fault must have north-side-down motion. Below the LMC approximately 13m of Sullivan Horizon equivalent strata (massive, laminated fine grained biotitic wacke/siltstone) was encountered. Below this was A1 with some laminated beds, then a fault zone at 685.4m. The footwall of the fault zone was A1 with some significant interbedded massive laminated units that were correlative with Sullivan Horizon. The hole was stopped in A1 at 794.2m.

The hole was successful in intersecting the LMC horizon, with 13m of favourable stratigraphy in the footwall of the LMC. However, a fault zone less than 30m below the LMC has removed some of the favourable Sullivan horizon equivalent stratigraphy.

### 7.2.2.2 PP-00-2 Geochemistry Results

A total of 147 core samples were split, and half of the interval sent to Eco-Tech Labs for 28 element ICP analysis, plus gold by AA-fire assay methods. Sampling was geared mainly toward

the upper A1 laminated beds that were correlated with the Sullivan Horizon. In addition, other siltstone and fine-grained wackes were sampled. There were few anomalous Pb or Zn values sampled until the LMC. Here there was a fairly abrupt and consistent increase in Pb and Zn at the LMC, in the footwall laminated siltstones. Over 11.43m of laminated rocks (samples 92633-92645), a weighted average of 74ppm Pb and 189ppm Zn was obtained. A central 7.43m of this zone (samples 92636-92643) yielded a weighted average of 87ppm Pb and 226ppm Zn.

Further samples within the A1, and lower laminated units were not anomalous, including those below the fault zone at 685.4m. Some minor anomalies were obtained in A2 samples from 625m to 632m, partly within a siltstone-mudstone package above the LMC. Sample 92596 assayed 154ppm Zn and 48ppm Pb over 1.06m (starting at 625.74m). This sample was from a quartz wacke with a pyrrhotite fragment(?). The adjacent sample 92597 (139ppm Zn, 36ppm Pb over 1.03m, starting at 626.8m) was collected from the top of a siltstone-mudstone unit. Sample 92599 (128ppm Zn, 26ppm Pb, 0.97m, starting at 629.15m) was from this same fine-grained package. Sample 92602 yielded 114ppm Zn, 62ppm Pb over 0.28m, from 631.92m. The sample was fractured and altered by biotite, chlorite and calcite.

The weakly to moderately anomalous nature of the Sullivan Horizon equivalent rocks below the LMC indicate that the drill hole intersected the extreme distal margin of a massive sulphide horizon.

## 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 target of exploration was a Sedex deposit such as Sullivan, stratigraphically located at the lower Aldridge – middle Aldridge contact (LMC).

The 2000 exploration program on the Pyramid Peak property consisted of two diamond drill holes (PP-00-1 and PP-00-2). Geological mapping that expanded and refined previous work and geological interpretations initiated in 1999 preceded the drilling.

Hole PP-00-1 intersected the Hiawatha and Fringe markers in the middle Aldridge (A2), then entered a fault zone that was interpreted to be the west-dipping normal Alki Fault. Lower Aldridge (A1) stratigraphy was encountered below the fault. While the LMC was not intersected, some favourable horizons were encountered. These horizons were only very weakly anomalous. Zinc, lead and silver mineralization within and near the Alki Fault zone is vein and fracture related, and is probably a late feature rather than representing remobilized Sedex mineralization at the LMC.

Hole PP-00-2 also intersected the Fringe marker and the LMC. The greater than expected distance from Fringe marker to the LMC in the hole was ascribed to motion on the previously undetected Murphy Creek Fault. Below the LMC, approximately 13m of favourable laminated siltstones and fine-grained wackes, correlative to the Sullivan Horizon, were encountered. A fault zone 30m below the LMC may have removed some thickness of Sullivan Horizon

equivalent strata. The Sullivan Horizon equivalent sediments were weakly to moderately elevated in Pb and Zn (87ppm Pb, 226ppm Zn over 7.43m). This anomalous geochemistry may be indicative of strata very distal to that hosting Sedex style mineralization.

Faulting, the dip surface and weak geochemistry of the LMC limit prospective geology for a mineral deposit of economic significance to Rio Algom. This suggests that the potential location of an economic mineral deposit within Rio Algom's exploration parameters lies outside of the Pyramid Peak property.

No further work is recommended on the Pyramid Peak property.

**9.0 Statement of Expenditures** (to end of October 2000)**Personnel**

Leonard Gal, P.Geo*	34 days @ \$300/day	\$ 12,300
Patrick Donnelly, GTI*	12 days @ \$175/day	\$ 2,100
Jason Kolcun, Assistant	43 days @ \$155/day	\$ 6,665
Lloyd Addie, Assistant	8 days @ \$197/day	\$ 1,576
James Lill, Assistant	8 days @ \$85/day	\$ 680
Siegfried Weidner**	21 days @ \$350/day	\$ 7,350

**Benefits and HO Supervision** \$ 2,284

**Airfares/Fees**

Vancouver – Cranbrook (x4) \$ 2,800

**Accommodation**

Hotel/Motel (SW,LG,PD) \$ 921

**Meals**

Restaurant Meals (SW,LG,PD) \$ 1,260

**Groceries**

Field Supplies/Lunches (2-4 men) \$ 1,410

**Field Supplies**

Consumables, radios/repeater, phones, maps, reports \$ 7,661  
Camp supplies and rentals

**Transportation**

Truck Rental (long term)	60 days @ \$110/day	\$ 6,600
Truck Rental (short term)	6 days @ \$80/day	\$ 480

**Helicopter and Fuel**

Bighorn Helicopters, Cranbrook (Drill moves, crew moves, set-outs) \$ 88,756

**Drilling**

Beaure Diamond Drilling (2 drill holes for total of 1553m) \$ 106,899

**Trenching/Bulldozing/Access Prep**

Crestbrook Forest Industries, Catamount Contracting, G. Rodgers \$ 2,083

**Consultants**

Supergroup Holdings Ltd, P. Ransom \$ 1,364

**Analytical**

Eco-Tech Laboratories, Kamloops \$ 3,314

**Miscellaneous**

Drafting/Reproductions (Luminai Drafting Ltd.) \$ 1,700

**Total** **\$258,203**

\*Field administration, logging (mapping), report writing and interpretation

\*\*Program administration, supervision, reporting and interpretation (January-October,2000)


**10.0 Statement of Qualifications**

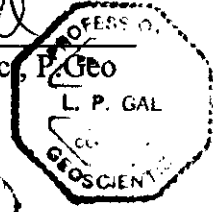
Leonard Gal

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 31 day of October, 2000

  
\_\_\_\_\_  
Leonard Gal M.Sc. P. Geo



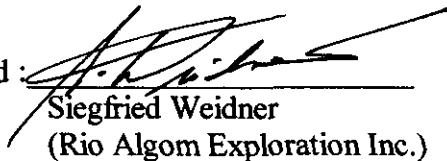
Siegfried Weidner

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

- 1) I am a Senior Geologist employed by Rio 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 12 years with Rio Algom Exploration Inc.
- 4) I supervised the 2000 exploration program on the Pyramid Peak option property and have detailed knowledge of the contents of this report.

Dated this 31<sup>st</sup> day of October, 2000

Signed :

  
Siegfried Weidner  
(Rio Algom Exploration Inc.)



## 11.0 Bibliography

- Gal, LP and Weidner SO (1999) 1999 Geological Evaluation of the Pyramid Peak Property. BCMEMPR Assessment Report
- Hoy, T (1993) Geology of the Purcell Supergroup in the Fernie West-Half Map Area, Southeastern British Columbia. B.C. Ministry of Energy, Mines and Petroleum Resources, Bulletin 84
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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	20020116	Fort Steele	18
Pyramid	Abitibi	Abitibi	346545	CLEO 29	122797	082F09E	19960604	20020116	Fort Steele	18
Pyramid	Abitibi	Abitibi	346928	PMR 40	122797	082F09W	19960615	20020116	Fort Steele	20
Pyramid	Abitibi	Abitibi	347510	CLEO 20	122797	082F09W	19960627	20020116	Fort Steele	20
Pyramid	Abitibi	Abitibi	347511	CLEO 21	122797	082F09E	19960627	20020116	Fort Steele	20
Pyramid	Abitibi	Abitibi	347512	PMR 41	122797	082F09W	19960620	20020116	Fort Steele	20
Pyramid	Abitibi	Abitibi	347513	PMR 42	122797	082F09W	19960620	20020116	Fort Steele	1
Pyramid	Abitibi	Abitibi	347514	PMR 43	122797	082F09W	19960620	20020116	Fort Steele	1
Pyramid	Abitibi	Abitibi	348088	PMR 44	122797	082F09W	19960712	20020116	Fort Steele	20
Pyramid	Abitibi	Abitibi	348090	PMR 46	122797	082F09W	19960710	20020116	Fort Steele	20
Pyramid	Abitibi	Abitibi	348092	PMR 48	122797	082F09W	19960712	20020116	Fort Steele	1
Pyramid	Abitibi	Abitibi	348097	PMR 53	122797	082F09W	19960711	20020116	Fort Steele	1
Pyramid	Abitibi	Abitibi	348098	PMR 54	122797	082F09W	19960711	20020116	Fort Steele	1
Pyramid	Abitibi	Abitibi	348099	PMR 55	122797	082F09W	19960711	20020116	Fort Steele	1
Pyramid	Abitibi	Abitibi	356152	PMR 100	122797	082F09W	19970510	20020116	Fort Steele	1
Pyramid	Abitibi	Abitibi	356153	PMR 101	122797	082F09W	19970510	20020116	Fort Steele	1
Pyramid	Abitibi	Abitibi	356154	PMR 102	122797	082F09W	19970510	20020116	Fort Steele	1
Pyramid	Abitibi	Abitibi	356155	PMR 103	122797	082F09W	19970510	20020116	Fort Steele	1
Pyramid	Abitibi	Abitibi	356156	PMR 104	122797	082F09W	19970510	20020116	Fort Steele	1
Pyramid	Abitibi	Abitibi	356157	PMR 105	122797	082F09W	19970510	20020116	Fort Steele	1
Pyramid	Abitibi	Abitibi	356158	PMR 106	122797	082F09W	19970510	20020116	Fort Steele	1
Pyramid	Abitibi	Abitibi	356159	PMR 107	122797	082F09W	19970510	20020116	Fort Steele	1
Pyramid	Abitibi	Abitibi	356160	PMR 108	122797	082F09W	19970510	20020116	Fort Steele	1
Pyramid	Abitibi	Abitibi	356161	PMR 109	122797	082F09W	19970510	20020116	Fort Steele	1
Pyramid	Abitibi	Abitibi	356162	PMR 110	122797	082F09W	19970510	20020116	Fort Steele	1
Pyramid	Abitibi	Abitibi	356163	PMR 111	122797	082F09W	19970510	20020116	Fort Steele	1
Pyramid	Abitibi	Abitibi	339229	PMR 15	122797	082F09W	19950825	20020116	Fort Steele	16
Pyramid	Abitibi	Abitibi	339230	PMR 16	122797	082F09W	19950825	20020116	Fort Steele	18
Pyramid	Abitibi	Abitibi	339231	PMR 17	122797	082F09W	19950823	20020116	Fort Steele	1
Pyramid	Abitibi	Abitibi	339232	PMR 18	122797	082F09W	19950823	20020116	Fort Steele	1
Pyramid	Abitibi	Abitibi	339233	PMR 19	122797	082F09W	19950823	20020116	Fort Steele	1
Pyramid	Abitibi	Abitibi	340692	PMR 20	122797	082F09W	19951004	20020116	Fort Steele	1
Pyramid	Abitibi	Abitibi	346541	CLEO 25	122797	082F09E	19960528	20020116	Fort Steele	1
Pyramid	Abitibi	Abitibi	346542	CLEO 26	122797	082F09E	19960528	20020116	Fort Steele	1
Pyramid	Abitibi	Abitibi	351731	CLEO 30	122797	082F09E	19961013	20020116	Fort Steele	15
Pyramid	Abitibi	Abitibi	364729	CLEO 22	122797	082F09E	19980812	20020116	Fort Steele	20

Pyramid Peak Property  
Claim Schedule

AREA	OWNER	Party	NO	CLAIMS	FMC	NTS	REG DATE	EXPIRY	DISTRICT	UNITS
Pyramid	Abitibi	Abitibi	368082	Cleo99-1	122797	082F09E	19990315	20020116	Fort Steele	20
Pyramid	Abitibi	Abitibi	368083	Cleo99-2	122797	082F09E	19990315	20020116	Fort Steele	8
Pyramid	Abitibi	Abitibi	368084	Cleo99-3	122797	082F09E	19990315	20020116	Fort Steele	6
Pyramid	Abitibi	Abitibi	338369	PMR 9	122797	082F09E	19950724	20030116	Fort Steele	16
Pyramid	Abitibi	Abitibi	338370	PMR 10	122797	082F09E	19950726	20030116	Fort Steele	8
Pyramid	Abitibi	Abitibi	338373	PMR 11	122797	082F09E	19950726	20030116	Fort Steele	1
Pyramid	Abitibi	Abitibi	338374	PMR 12	122797	082F09E	19950724	20030116	Fort Steele	1
Pyramid	Abitibi	Abitibi	346543	CLEO 27	122797	082F09E	19960528	20030116	Fort Steele	1
Pyramid	Abitibi	Abitibi	348089	PMR 45	122797	082F09W	19960716	20030116	Fort Steele	16
Pyramid	Abitibi	Abitibi	348091	PMR 47	122797	082F09W	19960710	20030116	Fort Steele	18
Pyramid	Abitibi	Abitibi	357994	PMR 64	122797	082F09E	19970716	20030116	Fort Steele	15
Pyramid	Abitibi	Abitibi	357996	PMR 66	122797	082F09E	19970715	20030116	Fort Steele	1
Pyramid	Abitibi	Abitibi	364730	CLEO 98-1	122797	082F09E	19980812	20030116	Fort Steele	20
Pyramid	Abitibi	Abitibi	364731	CLEO 98-2	122797	082F09E	19980812	20030116	Fort Steele	1
Pyramid	Abitibi	Abitibi	364732	CLEO 98-3	122797	082F09E	19980812	20030116	Fort Steele	1
Pyramid	Abitibi	Abitibi	364733	CLEO 98-4	122797	082F09E	19980812	20030116	Fort Steele	1
Pyramid	Abitibi	Abitibi	364734	CLEO 98-5	122797	082F09E	19980812	20030116	Fort Steele	1
Pyramid	Abitibi	Abitibi	364736	CLEO 98-7	122797	082F09E	19980814	20030116	Fort Steele	1
Pyramid	Abitibi	Abitibi	364737	CLEO 98-8	122797	082F09E	19980814	20030116	Fort Steele	1
Pyramid	Abitibi	Abitibi	364738	CLEO 23	122797	082F09E	19980807	20030116	Fort Steele	1
Pyramid	Abitibi	Abitibi	364739	CLEO 24	122797	082F09E	19980807	20030116	Fort Steele	1
Pyramid	Abitibi	Abitibi	351440	PMR 62	122797	082F09W	19961006	20040116	Fort Steele	18
Pyramid	Abitibi	Abitibi	351441	PMR 63	122797	082F09E	19961005	20040116	Fort Steele	20
Pyramid	Abitibi	Abitibi	351732	CLEO 31	122797	082F09E	19961015	20040116	Fort Steele	12
Pyramid	Abitibi	Abitibi	351733	CLEO 33	122797	082F09E	19960105	20040116	Fort Steele	4
Pyramid	Abitibi	Abitibi	357997	PMR 67	122797	082F09E	19970715	20040116	Fort Steele	1
Pyramid	Abitibi	Abitibi	364735	CLEO 98-6	122797	082F09E	19980814	20040116	Fort Steele	1
Pyramid	Abitibi	Abitibi	338368	PMR 8	122797	082F09E	19950724	20050116	Fort Steele	9
Pyramid	Abitibi	Abitibi	348093	PMR 49	122797	082F09W	19960710	20050116	Fort Steele	1
Pyramid	Abitibi	Abitibi	348094	PMR 50	122797	082F09W	19960709	20050116	Fort Steele	1
Pyramid	Abitibi	Abitibi	348095	PMR 51	122797	082F09W	19960709	20050116	Fort Steele	1
Pyramid	Abitibi	Abitibi	348096	PMR 52	122797	082F09E	19960709	20050116	Fort Steele	1
Pyramid	Abitibi	Abitibi	348100	PMR 56	122797	082F09W	19960711	20050116	Fort Steele	1
Pyramid	Abitibi	Abitibi	348101	PMR 57	122797	082F09W	19960711	20050116	Fort Steele	1
Pyramid	Abitibi	Abitibi	348102	PMR 58	122797	082F09W	19960709	20050116	Fort Steele	1
Pyramid	Abitibi	Abitibi	348103	PMR 59	122797	082F09E	19960709	20050116	Fort Steele	1

Pyramid Peak Property  
Claim Schedule

AREA	OWNER	Party	NO	CLAIMS	FMC	NTS	REG DATE	EXPIRY	DISTRICT	UNITS
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
Pyramid	Abitibi	Abitibi	338376	PMR 14	122797	082F09E	19950725	20060116	Fort Steele	1
Pyramid	Thomas Kennedy	T.Kennedy	340437	CLEO 5	134308	082F09W	19950917	20060116	Fort Steele	1
Pyramid	Thomas Kennedy	T.Kennedy	340438	CLEO 6	134308	082F09W	19950917	20060116	Fort Steele	1
Pyramid	Thomas Kennedy	T.Kennedy	340439	CLEO 7	134308	082F09W	19950917	20060116	Fort Steele	1
Pyramid	Thomas Kennedy	T.Kennedy	340440	CLEO 8	134308	082F09W	19950917	20060116	Fort Steele	1
Pyramid	Abitibi	Abitibi	351011	Crown Grant (Alki Ck.)	122797	082F09E	19960930	20060116	Fort Steele	1
Pyramid	Abitibi	Abitibi	351012	Crown Grant (Alki Ck.)	122797	082F09E	19960930	20060116	Fort Steele	1
Pyramid	Abitibi	Abitibi	351013	Crown Grant (Alki Ck.)	122797	082F09E	19960930	20060116	Fort Steele	1
Pyramid	Thomas Kennedy	T.Kennedy	340435	CLEO 3	134308	082F09W	19950916	20070116	Fort Steele	1
Pyramid	Thomas Kennedy	T.Kennedy	340436	CLEO 4	134308	082F09W	19950916	20070116	Fort Steele	1
Pyramid	Thomas Kennedy	T.Kennedy	340446	CLEO 1	134308	082F09W	19950916	20070116	Fort Steele	1
Pyramid	Thomas Kennedy	T.Kennedy	340447	CLEO 2	134308	082F09W	19950916	20070116	Fort Steele	1

Updated: October 27,2000

87

476

**APPENDIX II****Stratigraphic Marker Identifications  
(Marker Laminite Horizons)**

<b>UTM East</b>	<b>UTM North</b>	<b>Marker Horizon</b>	<b>Comment</b>
548420	5502400	Sundown	matched
550750	5504770	Meadowbrook	matched
555330	5502720	Sundown	matched
555600	5502250	Sundown	matched
554550	5502100	Moyie	Not definite match
554450	5501850	Moyie	Not definite match
553850	5501400	Moyie	Not definite match

## APPENDIX III

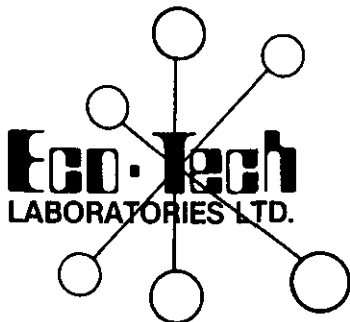
## Analytical Sample Descriptions

Sample Number	UTM Easting	UTM Northing	Description
16701	554180	5497430	Grab fragmental
16713	558869	5503049	Rusty interbedded mudstone and quartzitic wacke
16714	558968	5503065	Composite representative chip of fragmental over 4m thickness
16715	558960	5503080	Grab from base of fragmental unit 8cm width
16716	559314	5503159	Grab rusty fragmental
16721	558968	5503065	Fragmental
16722	555669	5499123	Grab rusty, fractured possible fragmental or A2 near LMC
16723	555719	5499056	2m representative chip across possible fragmental (LMC)
16724	554697	5497470	Grab possible fragmental
16725	554542	5497558	Fragmental
16726	554542	5497558	Fragmental with disseminated pyrrhotite, pyrrhotite fragments
16727	554456	5497567	Fragmental with angular pyrrhotite clasts
16728	554277	5497372	Fragmental with angular pyrrhotite clasts
16731	557795	5502154	Grab possible fragmental near LMC
16732	555081	5502913	Select quartz-chalcopyrite vein material from dump at shaft
16733	555081	5502913	Select quartz-calcite-coarse pyrite vein material from dump at shaft
16734	555160	5502500	Select 5cm quartz-arsenopyrite vein
16737	553444	5501374	Float fragmental
16738	552700	5501800	Select quartz vein with arsenopyrite and some galena
16739	550043	5504367	Grab fragmental - within A2
7796	555236	5501237	Representative chips from fragmental bed

**APPENDIX IV**

**Analytical Sample Results**





ASSAYING  
GEOCHEMISTRY  
ANALYTICAL CHEMISTRY  
ENVIRONMENTAL TESTING

10041 Dallas Drive, Kamloops, B.C. V2C 6T4  
Phone (250) 573-5700 Fax (250) 573-4557  
email: ecotech@direct.ca

## CERTIFICATE OF ASSAY AK 2000-187

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

4-Aug-00

ATTENTION: SIG WEIDNER

No. of samples received: 108

Sample type: Core

Project #: 9902

Shipment #: None Given

Samples submitted by: P. Donnelly

ET #.	Tag #	Ag (g/t)	Ag (oz/t)	Cu (%)
3	16732	77.50	2.26	3.17

### QC DATA:

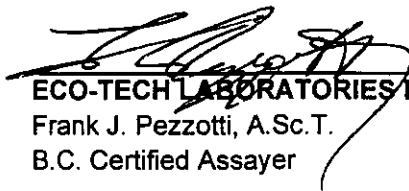
Standard:

MP1A

69.00

2.01

1.48

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

XLS/00

Fax: 604-669-0447

6-Oct-00

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

ICP CERTIFICATE OF ANALYSIS AK 2000-307

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

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

ATTENTION: SIG WEIDNER

No. of samples received: 4  
Sample type: Rock  
Project #: 0001  
Shipment #: None Given  
Samples submitted by: Leonard Gal


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	7796	5	<0.2	1.26	<5	145	10	0.11	<1	9	74	26	2.68	30	0.62	337	<1	0.02	8	380	198	10	<20	8	0.74	<10	17	<10	21	45
2	<del>7796</del>	<del>5</del>	<del>&lt;0.2</del>	<del>1.26</del>	<del>&lt;5</del>	<del>145</del>	<del>10</del>	<del>0.11</del>	<del>&lt;1</del>	<del>9</del>	<del>74</del>	<del>26</del>	<del>2.68</del>	<del>30</del>	<del>0.62</del>	<del>337</del>	<del>&lt;1</del>	<del>0.02</del>	<del>8</del>	<del>380</del>	<del>198</del>	<del>10</del>	<del>&lt;20</del>	<del>8</del>	<del>0.74</del>	<del>&lt;10</del>	<del>17</del>	<del>&lt;10</del>	<del>21</del>	<del>45</del>
3	<del>7796</del>	<del>5</del>	<del>&lt;0.2</del>	<del>1.26</del>	<del>&lt;5</del>	<del>145</del>	<del>10</del>	<del>0.11</del>	<del>&lt;1</del>	<del>9</del>	<del>74</del>	<del>26</del>	<del>2.68</del>	<del>30</del>	<del>0.62</del>	<del>337</del>	<del>&lt;1</del>	<del>0.02</del>	<del>8</del>	<del>380</del>	<del>198</del>	<del>10</del>	<del>&lt;20</del>	<del>8</del>	<del>0.74</del>	<del>&lt;10</del>	<del>17</del>	<del>&lt;10</del>	<del>21</del>	<del>45</del>
4	<del>7796</del>	<del>5</del>	<del>&lt;0.2</del>	<del>1.26</del>	<del>&lt;5</del>	<del>145</del>	<del>10</del>	<del>0.11</del>	<del>&lt;1</del>	<del>9</del>	<del>74</del>	<del>26</del>	<del>2.68</del>	<del>30</del>	<del>0.62</del>	<del>337</del>	<del>&lt;1</del>	<del>0.02</del>	<del>8</del>	<del>380</del>	<del>198</del>	<del>10</del>	<del>&lt;20</del>	<del>8</del>	<del>0.74</del>	<del>&lt;10</del>	<del>17</del>	<del>&lt;10</del>	<del>21</del>	<del>45</del>

QC DATA:

<b>Resplit:</b>																															
1	7796	5	<0.2	1.26	<5	140	5	0.11	<1	9	76	25	2.66	30	0.62	333	<1	0.02	9	390	246	<5	<20	4	0.75	<10	17	<10	22	44	
<b>Repeat:</b>																															
1	7796	5	<0.2	1.27	<5	140	10	0.11	<1	9	73	25	2.67	30	0.62	336	<1	0.02	8	390	202	<5	<20	3	0.74	<10	17	<10	21	45	
<b>Standard:</b>																															
GEO'00		120	0.8	1.71	50	165	5	1.48	<1	18	59	89	3.37	<10	0.90	638	<1	0.02	25	700	24	15	<20	62	0.53	<10	84	<10	12	68	

df/305  
XLS/00  
Fax. 604-659-0447



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

18-Jul-00

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

ICP CERTIFICATE OF ANALYSIS AK 2000-144

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

P1

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

ATTENTION: ALLAN McNUTT

No. of samples received: 6  
Sample type: ROCK  
Project #: 9903  
Shipment #: None Given  
Samples submitted by: Len Gai

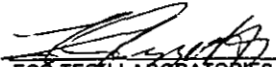
Values in ppm unless otherwise reported

Et #.	Tag #	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	16724	<0.2	0.22	<5	35	<5	0.01	<1	3	94	28	1.25	20	<0.01	50	1	0.01	2	120	42	<5	<20	4	<0.01	<10	4	<10	1	49
2	16725	<0.2	0.65	<5	60	10	0.09	<1	5	78	18	2.26	20	0.33	171	<1	0.01	3	390	34	<5	<20	2	0.09	<10	5	<10	3	21
3	16726	<0.2	0.65	<5	50	10	0.13	<1	15	58	27	2.23	30	0.29	166	1	<0.01	23	440	34	<5	<20	2	0.06	<10	4	<10	14	75
4	16727	<0.2	1.17	<5	70	15	0.20	<1	16	52	27	2.97	10	0.68	375	<1	0.01	25	530	28	<5	<20	<1	0.12	<10	11	<10	19	92
5	16728	<0.2	1.10	<5	90	5	0.18	<1	10	68	19	2.09	20	0.63	324	<1	0.01	14	480	20	10	<20	7	0.13	<10	11	<10	16	63
6	<del>16729</del>	<del>&lt;0.2</del>	<del>0.91</del>	<del>10</del>	<del>50</del>	<del>5</del>	<del>0.03</del>	<del>&lt;1</del>	<del>5</del>	<del>69</del>	<del>9</del>	<del>1.51</del>	<del>20</del>	<del>0.21</del>	<del>139</del>	<del>&lt;1</del>	<del>0.02</del>	<del>9</del>	<del>140</del>	<del>16</del>	<del>&lt;5</del>	<del>&lt;20</del>	<del>&lt;1</del>	<del>0.07</del>	<del>&lt;10</del>	<del>10</del>	<del>&lt;10</del>	<del>11</del>	<del>52</del>

QC DATA:

<b>Repeat:</b>																														
6	16729	<0.2	0.91	10	50	5	0.03	<1	5	69	9	1.51	20	0.21	139	<1	0.02	9	140	16	<5	<20	<1	0.07	<10	10	<10	11	52	
<b>Standard:</b>																														
GEO'00		0.8	1.79	70	150	10	1.60	<1	20	61	83	3.70	<10	0.91	688	<1	0.02	26	730	24	20	<20	59	0.12	<10	77	<10	9	77	

dl/143  
XLS/00  
Fax: 604-659-0447

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

12-Jul-00

ISO-TECH LABORATORIES LTD.  
 3041 Dallas Drive  
 CAMLOOPS, B.C.  
 V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 2000-121

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

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

ATTENTION: ALLAN McNUTT

No. of samples received: 13  
 Sample type: Rock  
 Project #: 9903,0001  
 Shipment #: None Given  
 Samples submitted by: Gen Gal

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	16701	<5	<0.2	0.72	15	65	<5	0.11	<1	5	80	62	1.97	20	0.42	152	<1	0.01	3	280	16	5	<20	6	0.10	<10	8	<10	10	20
2	16712	<5	<0.2	1.06	<5	65	<5	0.11	<1	5	60	28	2.38	10	0.51	245	<1	0.01	5	380	8	13	28	1	0.12	<10	10	<10	13	25
3	16713	<5	<0.2	1.09	<5	100	5	0.02	<1	6	40	52	2.63	20	0.56	166	<1	<0.01	5	340	16	<5	<20	7	0.09	<10	14	<10	4	73
4	16714	5	<0.2	0.89	<5	75	10	0.03	<1	5	73	11	2.39	20	0.40	160	<1	0.01	6	250	8	<5	<20	<1	0.08	<10	13	<10	1	39
5	16715	<5	<0.2	0.91	<5	60	10	0.02	<1	10	62	21	2.79	20	0.42	208	<1	0.02	10	220	8	<5	<20	<1	0.07	<10	12	<10	<1	59
6	16716	<5	<0.2	1.49	<5	130	15	0.07	<1	10	41	16	3.49	10	0.62	196	<1	<0.01	7	500	10	<5	<20	2	0.17	<10	20	<10	4	47
7	16717	<5	<0.2	0.96	<5	75	10	0.08	<1	5	48	11	2.05	20	0.80	181	<1	0.02	4	450	22	10	20	2	0.11	<10	13	<10	13	26
8	16718	5	0.2	0.83	5	75	10	0.11	<1	10	10	31	0.88	20	0.73	223	2	0.01	20	440	120	8	28	1	0.05	<10	10	<10	10	27
9	16719	5	0.2	0.91	5	80	10	0.12	<1	10	10	33	0.92	10	0.81	188	1	0.01	10	400	27	8	28	3	0.05	<10	11	<10	10	26
10	16720	5	0.2	0.93	5	80	10	0.08	<1	2	48	11	1.88	20	0.77	80	1	0.01	2	350	10	15	20	1	0.05	<10	5	<10	2	2
11	16721	<5	<0.2	1.07	<5	100	10	0.03	<1	6	37	16	2.91	10	0.45	134	<1	<0.01	5	350	8	<5	<20	2	0.10	<10	14	<10	2	37
12	16722	<5	<0.2	0.46	<5	65	<5	0.02	<1	2	44	10	1.94	20	0.17	63	<1	<0.01	1	340	10	<5	<20	2	0.05	<10	5	<10	2	9
13	16723	<5	<0.2	1.15	<5	65	10	0.06	<1	10	44	10	2.54	30	0.42	238	<1	0.01	14	240	14	<5	<20	1	0.06	<10	12	<10	8	61

QC DATA:

Resplit:

1	16701	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
---	-------	----	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

3-Aug-00

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

ICP CERTIFICATE OF ANALYSIS AK 2000-187

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

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

ATTENTION: SIG WEIDNER

No. of samples received: 10  
Sample type: Rock  
Project #: 9903  
Shipment #: None Given  
Samples submitted by: Len Gal

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	16731	15	<0.2	1.03	65	55	10	0.15	<1	7	101	62	2.09	30	0.36	394	<1	0.02	8	480	40	<5	<20	2	0.07	<10	14	<10	24	65
3	16732	190	>30	1.11	775	35	<5	5.37	2	98	116	>10000	6.54	<10	0.75	675	7	<0.01	79	>10000	4946	<5	<20	94	<0.01	<10	114	<10	<1	1173
4	16733	55	<0.2	0.24	>10000	75	25	>10	5	30	15	163	>10	<10	0.63	2151	17	<0.01	1	<10	1594	10	<20	292	<0.01	<10	15	<10	<1	28
5	16734	60	<0.2	0.09	>10000	40	15	0.07	2	15	121	132	8.23	<10	<0.01	24	14	<0.01	5	20	104	<5	<20	2	<0.01	<10	1	<10	<1	13
6	16735	15	<0.2	1.03	65	55	10	0.15	<1	7	101	62	2.09	30	0.36	394	<1	0.02	8	480	40	<5	<20	2	0.07	<10	14	<10	24	65
7	16736	190	>30	1.11	775	35	<5	5.37	2	98	116	>10000	6.54	<10	0.75	675	7	<0.01	79	>10000	4946	<5	<20	94	<0.01	<10	114	<10	<1	1173
8	16737	<5	<0.2	1.34	90	105	15	0.16	<1	12	81	27	2.77	20	0.49	391	<1	0.02	13	300	24	<5	<20	6	0.16	<10	19	<10	30	58
9	16738	70	5.6	<0.01	>10000	80	70	<0.01	1	23	64	6	>10	<10	<0.01	1	31	<0.01	2	<10	2738	<5	<20	<1	<0.01	40	<1	<10	<1	7
10	16739	<5	<0.2	1.56	900	115	15	0.07	2	9	36	17	3.53	30	0.80	293	<1	<0.01	6	440	34	<5	<20	4	0.14	<10	16	<10	17	51

QC DATA:

Resplit:

1	16738	70	5.6	<0.01	>10000	80	70	<0.01	1	23	64	6	>10	<10	<0.01	1	31	<0.01	2	<10	2738	<5	<20	<1	<0.01	40	<1	<10	<1	7
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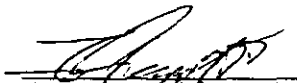
Repeat:

1	16738	70	5.6	<0.01	>10000	80	70	<0.01	1	23	64	6	>10	<10	<0.01	1	31	<0.01	2	<10	2738	<5	<20	<1	<0.01	40	<1	<10	<1	7
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Standard:















GEO'00	115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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dfl/187  
XLS/00  
Fax: 604-669-0447

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

**APPENDIX V**  
**Diamond Drill Logs**

## Legend for graphic log

	Quartz wacke
	Dominantly quartz wacke, quartzitic wacke
	Dominantly fine grained wacke, siltstone
	Siltstone, mudstone
	Laminated siltstone. Mudstone
	Disturbed bedding
	Fragmental
	Mudchip, isolated fragment
	Tightly folded beds
	Sphalerite
	Tourmaline in vein
	Tourmalinized mudchip
	Fault gouge zone
	Fault - fracture zone, bedding destroyed or disrupted

## Abbreviations

Adj	adjacent	Kspar	potassium feldspar
Altd	altered	Lam	laminae, laminated
	Angle	Lt	light
Aspy	arsenopyrite	Med	medium
AP	axial plane	Mgr	medium grained
Br, brx	breccia	Mod	moderate
Brn	brown	Occ	occasional
Bt	biotite	Or	orange
CA	core axis	Pkg	package
Cc	calcite	Po	pyrrhotite
Cgr	coarse grained	Potized	pyrrhotized
Chl	chlorite	Poss	possible
Conc	concretion	Py	pyrite
Cpy	chalcopyrite	IP, //	parallel
Dk	dark	Qtz	quartz
Diss	disseminated	Qtzitic	quartzitic
Dist	disturbed	Qv	quartz vein(let)
Elong	elongate(d)	Rec	recovery
Env	envelope	RWU	right way up
FeOx	iron oxide	Ser	sericite
Fgr	fine grained	Sh	shear
Frag	fragment, fragmental	Sl	slight
Fr, frx	fracture, fractures set	SiO2	silica, quartz
Foln	foliation	So	bedding
FW	footwall	Sph	sphalerite
FZ	fault zone	Str	strong
Gal	galena	Supp	supported
Gg	gouge	Tr	trace
Gt	garnet	Trem	tremolite
HW	hangingwall	Vn	vein(let)
Indiv	individual	Wcke	wacke
Irreg	irregular	Wk	weak(ly)
		Ws	weatered surface
		X	cross

RIO ALGOM EXPLORATION INC. DRILL HOLE SUMMARY SHEET										
PROJECT NAME: Pyramid Peak							DDH# PP-00-01			
REASON FOR DRILLING HOLE: Test Sullivan Horizon.					Dip -77° Azimuth 117°					
<b>GENERAL</b>										
<b>DATES</b>			<b>DRILL COMPANY</b>				<b>GEOLOGIST</b>			
	Time	Date	Contractor:	Beupre Diamond Drilling Ltd.			Logged by: Leonard Gal			
Start:	8 PM	27/07/00	Drill Rig:	Longyear 38			29-07-00 to 08-08-00			
End:	7:30 PM	07/08/00	Core Size:	NQ						
<b>SURVEY</b>										
<b>LOCATION</b>			<b>DOWNHOLE SURVEYS</b>							
NTS:	82 F/09		Type	Depth (m)	Azimuth	Dip	Type	Depth (m)	Azimuth	Dip
Section:			Pajari	154.6	125.5	-76°				
Easting:	557109		Pajari	333.5	121	-76°				
Northing:	5504175		Pajari	511.6	123	-75°				
Elev. (m)	2146		Pajari	667.4	124.5	-74°				
<b>GEOLOGY CAPSULE - INTERCEPTS</b>										
FROM (m)	TO (m)	ROCK TYPE	COMMENTS	FROM (m)	TO (m)	ROCK TYPE	COMMENTS			
0	3.28	Casing		446.9	453.1	FZ-Bx	Fault Zone breccia			
3.28	43.7	A <sub>2</sub>		453.1	465.9	Gabbro				
43.7	44.5	Gabbro		465.9	566.6	A <sub>1</sub> ?	Upper part of A <sub>1</sub>			
44.5	215.3	A <sub>2</sub>		566.5	570.5	Gabbro				
215.3	217.7	Gabbro		570.5	582	A <sub>1</sub>				
217.7	241.3	A <sub>2</sub>		582	614.2	A <sub>1</sub>				
241.3	246.8	Gabbro		614.2	688.4	Gabbro				
246.8	433.8	A <sub>2</sub>		688.4	707	A <sub>1</sub>				
433.8	440.45	Gabbro		707	758.5	Gabbro				
440.45	446.9	A <sub>2</sub>		758.5		EOH				
<b>PERCENT RECOVERY</b>			<b>PHOTOGRAPHS</b>							
Very Good										
<b>REASON FOR ENDING HOLE/COMMENTS:</b>										
Tested upper part of A <sub>1</sub> , below fault zone which removed LMC. Hole ended in gabbro within A <sub>1</sub> .										



**RIO ALGOM EXPLORATION INC.**

Property Pyramid Peak

DDH PP 00-01

GRAPHIC		PRIMARY FABRICS & STRUCTURES			ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS				
m	LITH	TYPE	DCA	(m)	TYPE	INT	(m)	TYPE		INT/ SIZE		(m)	FROM	TO	INT (m)	SAMPLE #
								MIN	STR							
0																
5																
10		S <sub>0</sub>	88		chl, ser	wk-mod	10.1-11.3	cpy	qv	3mm	11.4					
15		S <sub>0</sub>	60		chl	wk-mod	12.3-13.5									
20		S <sub>0</sub>	92		chl-ser	wk-mod	14-15.3									
25		S <sub>0</sub>	88		chl-ser	mod	16.4-17									
30		S <sub>0</sub>	72		chl, cc ser	str	19-19.5									
					chl, qtz ser	wk-str	23.6-24.9									
					chl	wk-mod	25.9-27.5									

0-3.28m Casing.  
 3.28-43.7m A<sub>2</sub>  
 3.28-4.2m Broken core 55-60% recovery. Light to med grey, med to fine grained quartzitic wacke, qtz wacke, thinner fgr wacke and silty beds. Slightly rusty on frx to approx 2m. Gt bearing whitish concretions common (no CaCO<sub>3</sub>).  
 4.6-4.8m A couple of mudchips.  
 5.3-5.6m QV blue-grey at least 3-4cm wide with bt, chl, FeOx, Chl, SiO<sub>2</sub> envelope.  
 7.5-8m A few 5-10cm silty beds.  
 8.35m 10cm silty bed has sl disturbed, wispy laminations.  
 8.65m Hard black (tourmalinized?) mudchip with reaction rim.  
 8.5-10m Qtz wacke bed, med grained, light grey.  
 9.0m A 4cm + qtz vein with no good alteration envelope.  
 9.05m Load cast (RWU).  
 10m Silty beds and wacke have wk to mod chl alt'n, devl't of foliation at angle to S<sub>0</sub>. S fol'n poorly defined, though.  
 11.75-12.2m Gt bearing concretion with slight CaCO<sub>3</sub> and ser alt'd margins.  
 13.75, 14.1m Poss marker laminite material. More marker in between, but core is broken.  
 14.3-15.5m Several thin silty beds interbedded with quartzitic wacke.  
 16.4-17m Several qtz veinlets 3mm - 3cm, larger ones have chl-ser envelope.  
 17.4-18.6m Broken core, recovery 75%  
 19-19.7m Chl sh ~ IP S<sub>0</sub>, with chl + ser alteration, also sevral py-chl fr (± qtz, bt).  
 20m A gt bearing concretion with some CaCO<sub>3</sub>  
 24m Chl altered sh with str. foliation, 5cm gouge at 30° to CA.

**RIO ALGOM EXPLORATION INC.**

Property Pyramid Peak

DDH PP 00-01

GRAPHIC		PRIMARY FABRICS & STRUCTURES			ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS				
m	LITH	TYPE	DCA	(m)	TYPE	INT	(m)	TYPE		INT/ SIZE		(m)	FROM	TO	INT (m)	SAMPLE #
								MIN	STR							
30		S <sub>foln</sub> S <sub>o</sub>	37 82													
35		S <sub>o</sub> S <sub>foln</sub>	88 55		chl ± ser	wk- str	38.6-41									
40																
45		S <sub>o</sub>	78													
50																
55		S <sub>foln</sub> S <sub>o</sub>	50 78									58.0	59.0	1.0	18170	
60												59.0	60.6	1.6	18171	

**A<sub>2</sub> Continued**

23.9-24.2m Strong chl alteration, foliation.  
 24.7m A second chl + qtz shear.  
 25.5m A conc with sl CaCO<sub>3</sub>, diss bt-po specks.  
 26.1m X-lams and scour marks (RWU).  
 27m Slight chl shear.  
 31.05-31.4m Prob marker material, quite broken but nice section at 31.2m  
 31.6m Small conc with bt-po spots.  
 33.5m Tourmalinized mud chip.  
 34.5m Concretion with po blebs.  
 36.1m Conc. with mod CaCO<sub>3</sub>, po blebs. By 36.6m looks like Po diss in qtz wcke.  
 36.7m Decent looking marker material over ~5cm.  
 38.1-38.5m More small intervals or possible marker material.  
 38.6-40m Fol'n quite strong, lots of chl with slicks, py, qtz-chl-py-po vnlets, etc. Small shears at 39.3m (55° CA), 39.7m (45° to CA), 40m (60° to CA).  
 40.3m A 1cm qtz vein with chl, bt, po, py in FW envelope.  
 41-43.7m Fine-med grained quartzitic wacke.  
 42.4m Sparse gt, but maybe not a concretion. Some patches (beds) with cse ser xtls, sl to mod CaCO<sub>3</sub> toward gab contact. + bleaching.  
 43.7-44.5m **Gabbro**. Lt grn fgr chl ± cc alt'd, not magnetic, fine alt'd gab cut by cc vnlets. Upper contact has cc vn, 80° to CA. Lower contact (78° CA) also marked by incr chl, cc vnlets + sl brx, fgr, hard to see plag xtls.  
 44.5m A<sub>2</sub> as above.  
 45.8m A few garnets, not a concretion for certain.

**RIO ALGOM EXPLORATION INC.**

Property Pyramid Peak

DDH PP 00-01

GRAPHIC		PRIMARY FABRICS & STRUCTURES			ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS				
m	LITH	TYPE	[CA	(m)	TYPE	INT	(m)	TYPE		INT/ SIZE		(m)	FROM	TO	INT (m)	SAMPLE #
								MIN	STR							
60		S <sub>o</sub>	88													
65		S fol'n	40		chl	mod	66.2-66.8									
		S fol'n	75		chl, ser	mod	68.3-69.6									
70		S <sub>o</sub>	85		chl	mod	71.5-71.9	tr cpy	frx	<1mm	71.7-76.9					
		S <sub>o</sub>	84		chl	wk-mod	73.5-73.65									
75		S <sub>o</sub>	84		chl	wk-mod	74.4-74.65									
		S <sub>o</sub>	84		ser	mod	75									
80		S <sub>o</sub>	84		chl	wk-mod	76.5-76.8									
85		S <sub>o</sub>	88													
90		S <sub>o</sub>	88													

**A<sub>2</sub> Continued**

46.8m Fol'n, chl alt'n incr to s at 47m.  
 47-51.9m A fgr qtzitic wcke, subwcke, grades to qtz wcke toward base.  
 48.75m 5cm poss marker material in 30cm siltier bed.  
 50.6-50.85m Prob conc, sl calcareous with bt, chl, poss cont to 51.5m.  
 52.2-52.5m Poss marker material. Thin silty beds grades to qtzitic wcke.  
 52.5-54.2m Mottled lt green qtzitic wcke.  
 56.05m A few cm of possible marker.  
 56.95m More possible marker.  
 58-60.7m Lt brown grey med gr qtzitic wcke with po-bt patches, diss blebs and poss frags. Some dist S<sub>o</sub>, generally fairly mgr looking. This could be termed a fragmental. Mostly distorted wispy po-tized frags, rip-ups, one whitish mudchip near base.  
 60.75m Sparse gts in bedded qtzitic wcke.  
 62.3-62.5m Po lenses, disseminated thin wcke.  
 63.7m A 5cm thick conc with splotches of bt and CaCO<sub>3</sub>.  
 64.6m A 13mm qtz vn with tur needles, tr po.  
 65.7m Qtz rich conc with random bt, chl plates, fr gt.  
 66.2-66.8m Mod chl alt'd silty beds, cut by several py-chl stringers, all orientations w/ chl + cc.  
 68.25-68.8m Stronger fol'n in shear zone (weak ch).  
 68.2-69.2m Several discrete shears in zone of mod-str fol'n. Some crumpled/kinked fol'n (IP laminations) as well, mod chl alt'n.  
 69.8m 1.7 cm qtz vn with tr po, chl + bleached env.  
 71.5-71.9m Chl alt'd silty beds with chl-po seams IP fol'n and irreg po, chl, ±py frx.  
 73m Start to see some laminated silty beds, poss marker material.

**RIO ALGOM EXPLORATION INC.**

Property Pyramid Peak

DDH PP 00-01

GRAPHIC		PRIMARY FABRICS & STRUCTURES			ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS				
m	LITH	TYPE	DCA	(m)	TYPE	INT	(m)	TYPE		INT/ SIZE		(m)	FROM	TO	INT (m)	SAMPLE #
								MIN	STR							
90					chl	mod	90-90.6									
					chl	mod	91.8-92.1									
95		S <sub>0</sub>	84		chl	mod	93.1-93.5									
100		S <sub>0</sub> foln	39		chl-ser	wk-str	102.6-107									
105		S <sub>0</sub> foln	45													
		S <sub>0</sub>	30					cpy	qv	2-8mm	106.7					
110		S <sub>0</sub>	90													
115		S <sub>0</sub>	77													
		S <sub>0</sub> foln	50									116	117	1.0	18172	
120																

**A<sub>2</sub> Continued**

73.6-74.3m Looks like possible marker laminites.  
 74.9m Po-chl frx-br cut by cc br-vn.  
 75.2-76.1m Laminated siltstone, looks perhaps like marker material.  
 75.4m a few diss gt.  
 76.65m Chl sh with contorted/folded laminae in FW.  
 76.9m A zone of parallel chl-po sh-fr with trace cpy. Po replaced by py where x-cut by late frx.  
 79.4m 10cm qtz vein with bt, trace chl on selvage, poss tr sph?? intergrown with bt on HW? Not much of an envelope.  
 79.65m Sparse gt.  
 80.15m Gt bearing conc with very little CaCO<sub>3</sub>.  
 82.1-82.3m 3 sm qtz vein with tr po, cpy, mag, aspy? Chl alt'n envelope.  
 82.3-85.8m There are several intervals that appear to be marker type material.  
 84.9m A 9cm wide zone of parallel qtz vein "lamellae" to ~5mm thick in dk grey brn biotite rich muddy unit. Fine tur needles in qtz and poss within muddy host rock.  
 85.25m A narrow fault zone (1cm) with sl gouge development at 85° to CA.  
 87.65m Poss tourmalinized mudchip.  
 87.9m Several thin qtz veinlets, some host tur needles, sl chl + ser alteration assoc.  
 90.2m Poss tourmalinized mudchip.  
 91.3-91.5m Sparsely disseminated garnets.  
 91.7m Possibly tourmalinized mudchip.  
 91.85m 5cm wide zone of sheared broken rock, some gouge at 90° to CA.  
 92m, 92.5-93m Some laminated horizons, doubtful marker material.

**RIO ALGOM EXPLORATION INC.**

Property Pyramid Peak

DDH PP 00-01

GRAPHIC		PRIMARY FABRICS & STRUCTURES			ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS				
m	LITH	TYPE	DCA	(m)	TYPE	INT	(m)	TYPE		INT/ SIZE		(m)	FROM	TO	INT (m)	SAMPLE #
								MIN	STR							
120		S <sub>0</sub>	78	120.8												
125								cpy	qv	1-3cm	125.35					
130		S <sub>0</sub> , S <sub>6</sub> foln	80									129.15	130.2	1.05	18173	
135		S <sub>6</sub> foln	44		chl-ser	wk-mod	133.7-134.1									
140					chl-ser	wk-mod	134.5-134.75									
145		S <sub>6</sub> foln	32				140-141					139.13	140.6	1.47	18174	
145		S <sub>0</sub>	76					cpy	qv	5mm	145.8	140.6	142.1	1.5	18175	
150		S <sub>0</sub>	86									146.0	147.15	1.15	18176	

**A<sub>2</sub> Continued**

93.2-93.4m Minor fault zone with banded qtz-chl-graphitic skl (?) vein, chl-clay gouge ~1cm each. Rock fractured and sl chl alt'd.  
 93.6-93.9m Med grey coloured concretion(?) with gt and cc.  
 94.05m A few maybe tourmalinized mudchips.  
 94.5m Sparse garnets.  
 95.3-95.4m Qtz-sxx vein with msv csc clots of po and tr cpy. HW contact 15° to CA, FW 20°, ~4cm thick. A bit of chl and v rare tur in vein.  
 97.5m 98m Dark grey mudchips.  
 99m Very slightly disrupted beds and 2 small tourmalinized (?) mudchips.  
 99.4m Disseminated garnets.  
 102m 1cm qtz vn with little alt'n envelope.  
 104.5m 4mm qtz vn with a little po and poss tur needles.  
 102.7-103.7m Core broken, chl alt'd, frxd chl + cc + qtz.  
 103.5-103.6m Highly frxd, some gouge, maybe minor fault with chl and cc frx.  
 103.9m Strong foliation (due to FZ?) - continues to 104.8m.  
 104.2-104.7m Main part of FZ: strong chl alt'n, foliation, qtz + cc vn (irreg), contorted foliation. Gouge at 104.3m and 104.65m.  
 105.3m Cc-chl frx cut FZ-related fabric.  
 106m An 8mm qtz vn with chl, po, fine tur needles.  
 106.1-106.3m Strong foliation, FZ, chl alt'd qtz + cc vns, shearing.  
 106.1m, 106.25m, 106.3m Thin gouge zones.  
 106.7-106.85m A few parallel qtz vns with chl, a few specks of po and tr cpy.  
 107.1m Out of FZ, into med bedded qtzitic wacke.





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GRAPHIC		PRIMARY FABRICS & STRUCTURES			ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS			
m	LITH	TYPE	DCA	(m)	TYPE	INT	(m)	TYPE	INT/ SIZE	(m)		FROM	TO	INT (m)	SAMPLE #
210		gg	40	210.3	chl,	wk-	210.3								
		gg	32	212.5	cl, cc	mod	220								
		S fol'n	40												
215								cpy	vn-sh	6mm	215.1				
220		So	80		qtz,	mod	219.4								
		gg	75	221.4	chl		219.6								
					ser	mod	220.7	sph	qv	4mm	221.7				
							221.9								
225												224.55	225.25	0.7	18181
		So	78												
230															
235					qtz	mod	237.3	cpy	cc fr	1mm	235.25				
							237.8					235.0	236.55	1.55	18182
240					qtz	mod	239.1								
							240.8								





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GRAPHIC		PRIMARY FABRICS & STRUCTURES			ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS			
m	LITH	TYPE	DCA	(m)	TYPE	INT	(m)	TYPE	INT/ SIZE	(m)		FROM	TO	INT (m)	SAMPLE #
								MIN	STR		<b>A<sub>2</sub> Continued</b>				
290											(cont'd from pg 9) irreg qtz vns and cc vns. FW contact hard to see, but many frxx at 15-20°.				
		So	70								271.45	272.4	0.95	18185	
275		So	80								210.7m Fault zone ends, but highly frxx'd, chl + cc alt'd A <sub>2</sub> , foliated cont to gabbro contact, with more gouge zones.				
		So									212.5m 1cm chl-cc-cl gouge-brx zone.				
		So									213.4m 8mm qtz vn with tur needles, crosscuts qtz-cc 4mm at 70° to CA. Also gouge zone 2cm at 45°.				
280								cpy	qv	4cm	278.8	280.0	281.0	1.0	18186
											214.3m, 214.8m More gouge (gouge + frx + cc vn).				
											215.1m 6mm qtz vn with sheared margins and coarse blebs of po + cpy on margins.				
											215.25m Conc? or alt'd A <sub>2</sub> at contact with diss po + cpy.				
285		So	83		chl	Lk - mod	284.8 - 286	sph	cc fr	1mm	282.7	215.3-217.7m Fine grained, foliated, chl + cc alt'd gabbro. Some relict plag (now cc) remains. Contact (HW) and fol'n is 50 to CA cut by many cc frxx (various), slightly magnetic. Is coarser grained with more chloritized hbl apparent toward base. FW contact ~70° to CA with IP foliation. FW contact sl sheared.			
		So	45								286.4	288.0	1.6	18187	
		So	88								288.6	290	1.4	18188	
290											290	292	2.0	18189	
											292	294	2.0	18190	
295		So	48								217.7-241.3m A <sub>2</sub>				
											219.2-219.3m Poss pyrrhotized fragments.				
											219.55m A 1.5cm qtz vn with silicified envelope.				
											220.95m A 15 cm chl-ser alt'd brx zone with sl sh on contacts 80° HW, 85° FW.				
											221-221.9m Abundant frxx in FW of brx zone + ser, chl alt'n.				
											221.4m 1.5cm brx with contacts 60-70°. Fragments sl rounded, chl alt'n + cc in matrix. Thin gouge seam just above this.				
											221.7m A thin 4mm qtz (+chl, cc) vn with blebs of po, py + tr sph.				
											221.7-221.9m Abundant frx and str fol'n ~80 to CA.				
300								cpy	qv	2cm	298.4	224.6-225.1m Several fragments, pyrrhotized and disturbed So.			

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GRAPHIC		PRIMARY FABRICS & STRUCTURES			ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS			
m	LITH	TYPE	DCA	(m)	TYPE	INT	(m)	TYPE	INT/ SIZE	(m)		FROM	TO	INT (m)	SAMPLE #
								MIN	STR						
300											<b>A<sub>2</sub> Continued</b>				
												301	302	1.0	18191
												302	303.1	1.1	18192
305												304.12	304.4	0.28	18193
												307.35	308.4	1.05	18194
310															
315															
320												321.6	322.9	1.3	18195
325											327.02	328.4	1.39	18196	
330															

225.95-226.2m Strongly fracturing (qtz, cc, chl, py).  
 226.8m Sparse gt, poss conc.  
 228-229m Broken, frxxd QW.  
 229.45-229.6m Chl qtz sh + intense frx and 3cm gge brx zone. Incl brxx'd qv, a minor FZ.  
 232.3m Sparse gt diss.  
 232-233m Lots of broken core, recovery maybe 75%.  
 233.45m 1cm qtz vn with chl, cc.  
 234-235.1m Gt bearing conc.  
 235.9-236.5m Some tourmalinized xxx mudchip, also frag with po.  
 237.5m Sparse gt.  
 238-240m Core broken up.  
 239-240.8m Core is mottled, frxx'd with mod silica + sl chl alt'n.  
 240.2m 3cm chl-cc alt'd brx on HW of 2cm qv.  
 240.4m Mass of py-po prob on margin of qv.  
 240-241m Core is strongly frxx'd, broken, SiO<sub>2</sub> + chl alt'd, qtz vnd.  
 240.7m 1cm brx (chl, qtz, cc) seems to x-cut earlier qv at 70° CA.  
 240.9-241.1m Qtz vn + brx HW indirect FW at 70° to CA. Qv material itself is broken, brxx and recemented.  
 241.5m To gabbro contact core is frxd, broken, alt'd, vn'd + some gougeat 241.3m.  
 241.3-246.8m **Gabbro**. Fine grained chlorite altered foliated abundant cc vns. Sheared HW contact - 10cm of gouge so this is a fault contact. Chl + cc alt'd. Below upper gouge zone, gab is mgr, then finer toward base.  
 244.7m to lower contact, is fgr, hard to see gab texture. No magnetic.







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GRAPHIC		PRIMARY FABRICS & STRUCTURES			ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS				
m	LITH	TYPE	DCA	(m)	TYPE	INT	(m)	TYPE		INT/ SIZE		(m)	FROM	TO	INT (m)	SAMPLE #
								MIN	STR							
420								qzpy	qv	7-10mm	420.55					
425		So	77		chl ± ser	wk-mod	423.1-423.65									
430		gg brx	60 55	432 434	chl	wk-mod	431-434									
435								cpy	qtz-cc vn	20cm	433.6					
440		S foln So S foln	47 68 52	438 442				cpy	qv-sh	1cm	435.95					
445		So	80					cpy	qtz-cc vn	3cm	437.15					
450					chl cc	wk-mod str	440-447 445-453	sph gal qzpy cpy	qtz-sh vn qv qtz-cc vn	5cm 18cm 1-3mm	438.3 439 440.15	439	439.23	0.23	18215	
												440.5	442	1.5	18216	
												446.47	448	1.3	18217	
												448	449	1.0	18218	
												449	450.18	1.18	18219	

m

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GRAPHIC		PRIMARY FABRICS & STRUCTURES			ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS						
m	LITH	TYPE	DCA	(m)	TYPE	INT	(m)	TYPE	INT/ SIZE	(m)		FROM	TO	INT (m)	SAMPLE #			
450		S foln	60	451.25				Sph, qtz	Frk, brk, v'n	450.35-450.35	<p><b>A<sub>2</sub> Continued</b></p> <p>331.3m Flame structure – RWU.                      331.6-331.7m Gt bearing concretion.                      332.2-332.45m Laminated, poss marker material.                      332.45m Gt bearing conc 2cm wide, 1cm at 332.75m                      333.05-333.35m Several dk grey ghosty frags.                      333.4-333.55m Mottled appearance, possible disseminated bedding. A few more frags at 334.1-334.25m.                      334.1-334.25m Ghosty frags.                      334.45-334.7m Sparse gt in conc-like body. Also conc with gt at 335.15-335.25m.                      335.25-335.5m Several flat tourmalinized frags and a few dk grey ghosty ones.                      336.6m A 1cm chl br-gouge zone 70° to CA on FW.                      338, 338.6m Sparse diss gts, also at 339.1-339.2m within conc.                      339.75-339.9m Abundant irregular and distorted, fuzzy 'fragments' in qtz wcke.                      340.3-340.4, 340.55-340.65, 340.85-340.95m Gt bearing conc, the 340.3-340.4m one with abundant CaCO<sub>3</sub>.                      340.05m Grey ovoid flattened mudchip.                      341.45-341.65m Tourmalinized mudchip.                      343.7-344m Gt bearing conc, also 344.65-344.8 and 345m.                      345.1-345.3m Several small black tourmalinized mudchips.                      345.5-345.7m Many So-IP frax-chl.                      345.7-346m Broken core, recovery ~ 60%.                      346.95-347.3m Rock is quite soft, distinctly green coloured in chl + ser alt'n.</p>							
		S foln	60	452.8											450.18	450.6	0.42	18220
															450.6	451.17	0.57	18221
455		S foln	43	457											451.17	452	0.83	18222
		gg	32	459.2														
		gg	60	460.1														
460								cpy	qv	4cm					460.5			
465																		
		S foln	35	468.8											472	474	2.0	18223
470																		
		S foln	46	473.3							474	475.87	1.87	18224				
		So	53	477.9							475.87	477.26	1.39	18225				
475								Sph, qtzpy	qv	2mm	477.26	478.9	1.6	18226				
		So	55	477.3							479.2	480.42	1.22	18227				

m



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m	PRIMARY FABRICS & STRUCTURES				ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS				
	LITH	TYPE	DCA	(m)	TYPE	INT	(m)	TYPE	INT/ SIZE	(m)		FROM	TO	INT (m)	SAMPLE #	
								MIN	STR			<b>A<sub>2</sub> Continued</b>				
480		So	67					sph	qv	<1-2mm	482.7	348.1m Small tourmalinized mud fragment, also at 348.95m.	482	483	1.0	18228
		So	58					cpv	qv	9cm	484.4	349.1-349.3m Gt bearing conc.	486	488	2.0	18229
485		S foln	40	486.3								349.4-349.5m Essentially a fragmental bed, bt-rich, many irregular fragments, several mudchips fragments below in qtz wacke, right to 349.85m.				
		So	62									351-351.5m Several irregular ghostly, dk gy fragments.	489	491	2.0	18230
		So	68					aspy	gr-c vn	1cm	488.5	351.65-351.75m Gt conc.				
490		So	68									352m Small tourmalinized mudchip, larger ghostly ones at 352.7m.	493	495	2.0	18231
		S foln	53	493								353.3-353.4m Dk gy and white mudchips.				
		S foln	40	496.4				cpv	diss, frag?	1-3cm	493.5	353.7-353.9m A bed (fgr wacke) with several small mudchips/fragments. Below this				
495		So	62					cpv	frag, conc.	2-3cm	494.45	353.9-354.2m qtz-qtzitic wacke with several more fragments.				
		Fr, gg	62	499.8								354.35-354.5, 354.85-354.9m Gt bearing conc, also at 355.15-355.3, 355.6-355.7m.				
500		gg	65	502.7	chl	mod	503-504	cpv	qv	1cm	500.25	355.4-355.45m A few mudchips.				
		gg, ox	60	505.95								356.25m X-lams.				
505		gg	25	506.45	chl	mod	505.6-507.5	cpv	qv	4mm	503.2	356.35m Thin gt bearing bed (1cm), also at 357.1m.				
		S foln	32	507.8								357.35m Sl, dist So.				
		S foln, So	42	508.5								357.45m Gt-rich layer, looks more like a vn, with cc on margins and chl alt'd env. -IP So.				
510												357.8m X-lams.				
												358.05m A 13mm qtz (+chl, gr?) vn, IP So, with euhedral aspy.				
												358.45-358.8m Looks like 'conc' but very little gt.				
												358.9m Slightly disturbed bedding.				
												359.1m A few small mudchips.				
												359.7m Small concretion				
												359.8-359.95m 11cm qv with tiny tourmaline needles + weak chl alt'd env.				

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GRAPHIC		PRIMARY FABRICS & STRUCTURES			ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS			
m	LITH	TYPE	DCA	(m)	TYPE	INT	(m)	TYPE	INT/ SIZE	(m)		FROM	TO	INT (m)	SAMPLE #
								MIN	STR		<b>A<sub>2</sub> Continued</b>				
510		S <sub>6</sub> ln	22	511.7											
515															
520								cpy	qv	4mm	519				
525		S <sub>0</sub> ?	70												
530		S <sub>0</sub>	80												
		gg	80												
535		Tv													
		S <sub>0</sub> , S <sub>6</sub> ln	70	538.75											
540		Tv													
m															

360.6-360.8m Gt bearing concretion.  
 361.9m X-lams.  
 362.05-362.25m Slightly mottled, perhaps dist So - or conc? - There are sparse garnets.  
 363m Poss tourmalinized ghostly mudchip.  
 363.15-363.3m Garnet concretion.  
 363.55m Tourmalinized mudchip.  
 363.85-363.95m Gt conc, also at 364.3-364.4m.  
 364.6m A tourmalinized mudchip in very st disturbed So.  
 364.9-365m Irregular ghostly 'frags.'  
 365.6-366m Qtz rich material with coarse chl-bt (foliated) looks like conc, but only sparse gts near base.  
 366.2m 2 tourmalinized mudchips.  
 366.3m Flames - RWU.  
 366.9m Slightly disturbed bedding.  
 367m Tourmalinized mudchip.  
 367.3-367.35m Gt conc, also at 367.4-367.5m.  
 367.8-368.05m Qtz wacke bed with several small chips or fragments.  
 368.15 - 368.3m Gt conc, also at 368.6-368.9m, both CaCO<sub>3</sub> rich.  
 369.7m Tourmalinized mudchips.  
 371.1m Gt conc, also at 370.4m.  
 370.9m Bedding slightly disturbed.  
 371.2m X-lams.

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GRAPHIC		PRIMARY FABRICS & STRUCTURES			ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS				
m	LITH	TYPE	DCA	(m)	TYPE	INT	(m)	TYPE		INT/ SIZE		(m)	FROM	TO	INT (m)	SAMPLE #
								MIN	STR							
540		gg, frx	65	541.4				sph	qv	~1mm	542.1					
545		So ?	85					sph	gr-cv	2mm	545.95					
		So	77													
		So	75													
550																
555																
		S fol/n	30-40	559.9												
560		So	40													
		So	18													
565		gg, frx	0	567.4	chl	mod	568.5-									
		gg	50	568			570.6									
		S fol/n	17	568.6												
570																
m																

**A2 Continued**

371.3-371.5m Gt conc.  
 372.4m A 6-8cm qv with v sl chl env, tr po + cpy.  
 373.35-373.45m Several small frags/chips in wacke bed.  
 374-374.3m Gt conc, also at 374.8-374.9m.  
 375.25m Mudchip.  
 375.3m Disseminated garnets.  
 375.65-375.7m Disturbed bedding.  
 376.2-376.4m Garnet concretion with disseminated pyrrhotite.  
 376.8m Tourmalinized mudchip, and at 378.5 and 378.2m.  
 379.35-379.65m Garnet concretion, also at 379.85-379.95m.  
 380.1-380.3m Slightly disturbed bedding.  
 380.5m X-lams.  
 381-381.25m Slightly disturbed bedding.  
 381.25-381.4m Garnet bearing concretion, but includes light grey mudchip.  
 383.95-384.2m Garnet bearing concretion with lots of garnet in centre. Quartz rich mass on HW side has disseminated po clots.  
 384.95m Small tourmalinized mudchip.  
 385.95-386.3m Garnet concretion, also at 387.15-387.3m.  
 387.65m A tourmalinized mudchip, several more small ones to 387.7m.  
 388.25m 5cm gt bearing conc bed.  
 388.65m Tourmalinized mudchip.  
 388.95m Flame, RWU.  
 389-389.4m Slightly disturbed bedding.

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GRAPHIC		PRIMARY FABRICS & STRUCTURES			ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS				
m	LITH	TYPE	DCA	(m)	TYPE	INT	(m)	TYPE		INT/ SIZE		(m)	FROM	TO	INT (m)	SAMPLE #
								MIN	STR							
570																
		S <sub>0</sub>	72													
575		gg, frx	65	576.8												
		S <sub>0</sub>	64					cpy	qv	6mm	580.3					
580																
								cpy	qv	2mm	581.7					
585																
								cpy	qv	1mm	589.35					
590		S <sub>0</sub>	66													
595																
		S <sub>0</sub>	70													
600																

**A<sub>2</sub> Continued**

389.75m Garnet concretion.  
 390.05-390.2m Sericite altered silty bed with disseminated po-chl spots and lenses.  
 390.3m Small hard light grey mudchip.  
 390.7, 390.9-390.95m Garnet conc, also at 391.5-391.6m.  
 391.7m 2mm qtz-chl (+cc) vn with sparse fine tur needles and some bt+po.  
 392.1m Thin qtz-chl vein with euhedral aspy.  
 392.2m Tourmalinized mudchip.  
 392.65m small bt-qtz conc.  
 392.8m Tourmalinized mudchip.  
 393.2-393.3m Chl frx, alt'n rocks then stronger frx, cc + chl.  
 393.3-393.7m Sl br, gg development.  
 393.6-393.7m Gt conc, also at 393.9-394, 394.25, 394.8-395, 395.4-395.6m.  
 396.1-397.2m Several intervals of finely lam'd wcke/slst, poss marker material.  
 398m Gt concretion.  
 398.5-398.75m Bt-cc-qtz conc, with single bleb po, no gt.  
 399.5-399.6m Gt conc, also at 399.7-399.9m.  
 400.15-400.9m Slightly disturbed bedding.  
 401.35m 2cm chl alt'd gouge, sl brx and frx to 401.4m.  
 401.4-401.5m A 5cm qv brkn, with chl, tr py + brkn core so can't rec contacts.  
 Poss 52° on HW.  
 401.65-401.7m Gt conc.  
 400.2-400.9m slightly disturbed bedding.

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GRAPHIC		PRIMARY FABRICS & STRUCTURES			ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS			
m	LITH	TYPE	DCA	(m)	TYPE	INT	(m)	TYPE	INT/ SIZE	(m)		FROM	TO	INT (m)	SAMPLE #
								MIN	STR		<b>A<sub>2</sub> Continued</b>				
600		S <sub>0</sub> S folin	66 20	601.85											
605		S <sub>0</sub> S folin	30 30	604.6											
610					qtz	wh. mud	608.2-608.66	cpy	cc-qtz vn	1-3mm	609.2				
615					qtz	mod	613.45 613.55	cpy	qtz-cc vn	2, 14mm	612.7				
620								cpy, aspy	qv	4mm	622.75				
625					chl	mod	625.9-626.05	cpy	qtz-cc vn	1.5cm	625.9				
630								cpy	qv	2.7cm	627.7				

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GRAPHIC		PRIMARY FABRICS & STRUCTURES			ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS				
m	LITH	TYPE	DCA	(m)	TYPE	INT	(m)	TYPE	INT/ SIZE	(m)		FROM	TO	INT (m)	SAMPLE #	
											<b>A<sub>2</sub> Contined</b>					
											MIN	STR				
630	~ +	S fol'n	50	632.6	bt, chl qtz	wk- mod	631.7- 635.5	cpy	d.v.	~1%	632- 634	417.5-417.6m Disturbed bedding.	508.12	510	1.88	18232
	~ +							cpy	qtz sh	1-4mm	633.75	418.2-418.4m Gt conc, also at 419.2-419.3, 419.8-420m.	517	518	1.0	18233
635	+ ~							cpy	cc qtz spn	1cm	634.9	420.9-421m Gt Conc, also at 421.7-421.8m				
	+ +											422.2m A couple of dark grey ghosty mudchips.	529	530	1.0	18234
	+ +											422.3m disseminated garnets, also at 422.55m.				
	+ +											423.2m Chlorite gouge + shear with calcite vein-breccia in FW.	530	532	2.0	18235
640	+ +											423.3m Diss gt.				
	+ +							cpy	chl frx	1-5mm	643.4	423.1-423.65m Rock is strongly fractured, veined, chlorite altered weakly.	539.7	540.9	1.2	18236
	+ +											424.2m A bt-chl-qtz concretion.				
	+ +							cpy	chl frx	1-3mm	644.5	424.6m Gt Conc, also at 425.1-425.25m	549	551	2.0	18237
645	+ +											425.2-425.5m Strongly fractured chlorite-calcite + pyrite, 30° parallel to CA.				
	+ +											425.4-425.5m Several small dark fragments, chips, possible disturbed bedding.	564.5	566	1.5	18238
	+ +											426.65m Gt conc.	575	576.8	1.8	18239
650	+ +											426.3m Very slightly disturbed bedding.				
	+ +											427-427.3m Mottled frx'd sl chl alt'd rock.	577	578	1.0	18240
	+ +											417.5-427.6m Gt conc.				
	+ +											427.7m Poss tourmalinized mudchip.	582	583.37	1.37	18241
655	+ +	S fol'n	37	657								428.4-428.6m Gt conc with cc, also at 429.8-429.85, 430-430.1m (w/ little cc)	583.37	584.15	0.78	18242
	+ +											430.6m 2mm qtz vn with tourmaline needles		585.72		
	+ +											430.85-430.9m Qtz-rich conc?			0.65	18243
	+ +											431-431.7m Core strongly frx'd, vns, mod chl alt'n.	585.27			
660	+ +											432m 1cm chl brx-gouge zone.				

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Property Pyramid Peak

DDH PP 00-01

GRAPHIC		PRIMARY FABRICS & STRUCTURES			ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS				
m	LITH	TYPE	DCA	(m)	TYPE	INT	(m)	TYPE		INT/ SIZE		(m)	FROM	TO	INT (m)	SAMPLE #
								MIN	STR							
660	+				chl	wk-mod	661.4-661.65									
	+											585.72	586.48	0.76	18244	
	+											586.48	586.9	0.42	18245	
665	+											586.9	588.08	1.18	18246	
	+											591.3	592	0.7	18247	
670	+											592	593	1.0	18248	
	+											593	594.65	1.65	18249	
675	+											594.65	595.7	1.05	18250	
	+											598.7	596.27	0.52	18251	
680	+							cpy	cc vn	2cm	680.8	596.27	598	1.73	18252	
	+							cpy	qv	1cm	681.1	598	600.12	2.12	18253	
	+							cpy	qv	3.7cm	681.55	600.12	602	1.88	18254	
685	+		50	687.1				cpy	cc vn	5mm	686.6	602	607	2.0	18255	
	+							cpy	qv	5.5cm	687.35					
	+		38					cpy, aspy	chl-qtz sh	2cm	689.55					

690 m

**RIO ALGOM EXPLORATION INC.**

Property Pyramid Peak

DDH PP 00-01

GRAPHIC		PRIMARY FABRICS & STRUCTURES			ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS					
m	LITH	TYPE	QCA	(m)	TYPE	INT	(m)	TYPE	INT/ SIZE	(m)		FROM	TO	INT (m)	SAMPLE #		
											<b>A<sub>2</sub> Continued</b>						
											MIN	STR					
690		S foln	50	690.8				cpy	qv	3.5cm	691.35	440.45-441.1m	Looks very siliceous, can't see So, could be partly qtz vein here. Lots of qtz, cc, frx/veins. Just at 440.5m, an irregular, 30° to Ca, qtz-cc brx-vn hosts abundant aspy + trace ZnS, cpy, py, galena.	610	612	2.0	18256
		S foln	40	693				cpy	qv	2mm	692	440.85m	40° to CA, po-py frx.	688.6	689.57	0.97	18257
695								cpy	frag?	6mm	691.9	441.4m	A 2mm cc-graphite sh-fr with aspy, py.	689.51	690.77	1.2	18258
		S foln	30	699.8								441.6-442m	Very brkn core, frxxd, chl alt'd. Mostly brx and vn. Brx + gouge on FW w/ aspy.	690.77	693	2.23	18259
700								cpy	cc vn	2mm	700.1	A <sub>2</sub> continued. Silica + chl alt'd, few original textures, foliated, highly frxxd, veined etc to 446.9m.	693	694	1.0	18260	
								cpy	chl sh	1cm	700.2	444.75m	See a bit of So, offset by several frx at ~15° to CA.	694	695	1.0	18261
705		S foln	45	704	chl, bt	wk-mod	704-707					445.5-446.9m	Frx increase, fol'n stronger, more veins, sulphide in frx common.	694	695	1.0	18261
		S foln	32	705.7								445.8-446, 446.7-446.9m	Zones of breccia.	695	696	1.0	18262
		S foln	32	707	chl, alt	mod	706-706.5					446.9-453.1m	Fault zone breccia in highly frxxd soft, chl + ser alt'd rock, prob A <sub>2</sub> until at least 452m, whereupon breccia is greener, more "chloritic." Mostly small angular frags in soft chl matrix, shows much variation with respect to frag size, deg of milling, shearing, gouge zones, veining and fracture fill. Many qtz vns also brkn and sheared. Brx frags rounded toward base of unit, closer to gabbro contact. CaCO <sub>3</sub> common in frx and matrix. Sulphides common in fracture fillings, matrix of brx and diss.	696	697	1.0	18263
710		S foln	35-40	713								449-450m	Dk grey matrix, prob fgr sxx. There are no discrete or distinct central or bounding gouge-clay zones. So ~50° best estimate of angle of fault zone to core axis.	697	698	1.0	18264
								cpy	qv	2.5cm	714.1	450.25-450.35m	Semi mgr clots and masses of ZnS, can't really see a controlling structure. Seems to be a large frag or partially frx controlled. Sph is cut by py frx. Below main mass are several small frags within brx unit, some of these are subrounded. Many seem to replace cc. Small ZnS frags in brx to at least 450.6m.	698	699	1.0	18265
715								aspy, gal	ss vn	1cm	715			699	700	1.0	18266
720														701	702	1.0	18267





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GRAPHIC		PRIMARY FABRICS & STRUCTURES			ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS				
m	LITH	TYPE	DCA	(m)	TYPE	INT	(m)	TYPE		INT/ SIZE		(m)	FROM	TO	INT (m)	SAMPLE #
								MIN	STR							
750	+	S fol'n	52	752.3												
	+	S fol'n	37	755.5												
755	+	S fol'n														
	+															
	+															
760		END OF HOLE														
765																
770																
775																
780																

(cont'd from pg 25) thick bedded, or alt'n and fabric masks bedding planes.  
 478.2m Poss laminated marker material (478-479.5m).  
 482.35m 2.5cm qtz vn-frx with tr chl, cc, py + py.  
 483m A poss conc, chl rich.  
 483.2-483.35m 12cm chl gouge, clay + breccia. HW contact is 53, FW is 72. Sl bleached and well frxxd, this is minor FZ.  
 483-485.8m Rock quite frxxd with abdnt chl, cc, qtz vniets, commonly 50-60°.  
 485m 2mm qtz vn with fine tourmaline needles.  
 486m Bedding starts to become more apparent.  
 486.55m Chl sh frx + a bit of gouge, highly frxxd for 10cm in FW. Overall rock cont to be fgr foliated biotitic qtzitic wacke/wackes laminated in spots.  
 488m Poss conc, 2cm wide with gt flanked by qtz+bt vns.  
 488-489.5m Strongly frxxd rock (qtz cc chl py mainly on frx 30-80° □CA).  
 491m Starts to look like more normal A<sub>2</sub> with beds of differing lithologies, etc.  
 496.5m A conc (no gt) with diss po.  
 499.8-499.95m Strong frx zone with chl frx, shears ~1cm gouge and brx at ~62° to CA.  
 500.55m 6mm qtz vn with chl sh on FW.  
 502.7m An 8mm chl gouge zone, some qtz veining, strong fol'n in HW.  
 505.2m Soft frxxd chl alt'd rock, sl gouge and brx over 2cm, 20° to CA.  
 505.5-506m Brkn core, recovery approx 60%.  
 505.9-506.8m Core very brkn, frxxd, chl alt'd, several sh and some bxx gouge zones @  
 506, 506.25, 506.5, 506.75m.  
 506.45-506.55m Is central gouge frxx zone approx 8cm wide.

## RIO ALGOM EXPLORATION INC.

### Pyramid Peak DDH PP-00-01 Interval Notes Continued

- 507.45m A narrow zone 5mm of chl gouge, frx and str shear fol'n on FW and HW. Strong fol'n to 509.4m, several thin sh-frx to 507.5m.  
Note from ~500m – 510m at least has been relatively uniform fgr biotitic quartzitic wacke with not many distinct beds visible.  
511.65-612m Strong fol'n again, prob shear related.  
511.8-512m Chl sh-fr zone with some breccia in 2cm wide zone.  
513.9-514m Poss fragments aligned in fol'n, or just rock slice bounded by chl fol'n-sh.  
514.5-514.6m Brk core, frxxd.  
514.65m 2-3cm zone of frxxd core, qtz+cc vn, chl sh + sl gouge dev't at 78° to CA.  
514-516m Overall quite frxxd with abndnt chl cc qtz frx + py, mottled sections as well + can't see So.  
513-522m Remains the same xxx, fractured fgr bt bearing qtzitic wacke, with few bedding fractures and variable fol'n.  
520.5m 1cm qone of chl frx-sh @60° to CA.  
520.55m Poss sm conc with cse bt.  
521-522m Lots of brkn core, abndnt frxx (cc, chl).  
~515m Start to see several bt-chl rich frag (muchips?) or poss conc with 5-10%+ diss po (±py, cpy). Further down hole from 523m on these resemble cm scale thick beds, bt-chl rich with diss po 2-10%. There may be silty beds that are altered or mineralized.  
525.1-525.75m Brkn core, lots of frxx esp cc, chl at 20-50° □CA.  
526.05m 1-2cm brx zone, with chl frxx, some cc and py 60° HW, 32° FW frxx.  
527.1-527.3m 1.5cm qtz vn with chl-qtz sh on HW and FW + 5mm cc vn on FW. Sh zone ~6cm wide in total 40-50° to CA.  
528.4m Chl frxx zone, bounding frxx are 78°, while frxx-brxx within 4cm zone are ~30°. ?  
528.5-529.0m Broken core, recovery approx 50%, many cc frx IP CA – 20°.  
530-537m Rock is kind of mottled fgr qtzitic wacke, heavily frxx'd in places.  
530m 2cm frx-sh zone with thin qtz and cc stringers.  
530.25-530.7m Core very broken, recovery prob approx 70%.  
~530.6m Start to see bedding again, indications of thin bedding, but by 531.5m is mottled again to approx 538m.  
532-532.3m broken core, rubble, approx 50% recovery.  
532.95m A 2cm chl-cc frx-brx zone.  
533-533.6, 535-537.5m Very broken core, highly frxx'd. From 535-537m, probably 50% recovery.  
534.15m A 3mm qtz vn with sparse needles of tourmaline.  
536.1m Brxx zone chl frxx, brxx also at 536.6m. Angular fragments in chl-clay matrix. Each 5-10cm wide but can't get □.  
538.3m 9mm qtz vn with sparse tourmaline needles.  
539.6-539.7m Very broken, rubbly core.  
539.7-540m Silty laminated unit.  
540.95m 1cm of extremely frxx'd rock and gouge at 70° to CA. FW and HW frxx zones + some cc vn.  
540.5-545.6m Mostly broken core, strongly frxxd.  
541.1m A 1cm chl gouge zone.  
542.1m Poss ZnS in chl sh-fr with po, or poss just bt in fine red xtlis.  
551.3-551.4, 551.55-551.6m Bt qtz conc.  
552.9-553m Is siltier unit, then a bunch of missing core, highly fractured, foliated, chl alt'n. Prob a gouge-shear zone.  
553.3-554m Prob 10% recovery.  
554-555 ~80% recovery.  
557.35m A 3mm qtz-cc vn with chl envelope.  
557.4-557.7m Broken core, abndnt chl frx, ~60% core recovery. Some gouge and breccia.  
556m Starts looking like A<sub>2</sub> again, but not as much alt'd, mottled beds.  
561.55m 2mm qtz vn with rare tourmaline needle(s).  
566.5m and below to contact, rock is highly frxxd, broken, abndnt cc + chl frx.  
566.6-566.7m Chl-cc frx, breccia qtz vns at contact with gabbro. Gouge FW contact is ~30°, ~IP fol'n in gabbro. Contact likely faulted.  
566.7-568.5m Gabbro is fine grained, fol'd (esp at upper contact) chl+cc alt'd, non magnetic, x-cut by abndnt cc frxx and lesser qtz. Core is v brkn and frxx'd throughout gabbro interval.  
568.3-568.5m More frxx (chl+cc) brx, sl gouge. Sheared contact with A<sub>2</sub>.  
568.5m A<sub>2</sub> or Transitional Zone. Chl alt'n is wk to mod to 570.6m.  
568.6-568.8m Mod chl alt'n and many sub IP qtz lamellae (or banded qtz-chl vn). Kink folded about axial plane at ~20° to CA. Rock is very frxx'd and broken here.  
570.5m 2cm wide frx-brx zone, chl + cc ± qtz frx, some brecciation. HW at 75°, FW at 45°.  
573.3m A 7mm qtz vn with sparse po, py and a few tourmaline needles.  
573.85m A qtz vn/chl sh up to 5mm wide cut by chl sh-frx.  
574m A 3cm chl-cc frx-breccia zone.  
576.8m A 12cm wide chloritic fracture zone + cc frx, some brx and gouge. HW contact 65°, FW 68°.  
577.1-577.2m Fragmental bed with diss po in fragment.  
579.4m Qtz-bt vn with bleached env, poss cutting through a qtz-bt conc.  
~580m Quite thin bedded, qtzitic wacke + siltier beds, but then quite mottled by 581.5m.  
~581.7m Begin transitional to more bt rich, slightly purplish-brown hued qtzitic wacke, wackes, often with light coloured hues. Essentially gradational to A<sub>1</sub>.  
582.25m A<sub>1</sub> Thin bedded qtzitic wacke, some silty beds. Thicker qtzitic wacke beds are often weakly laminated. Purplish brown colour to beds due to fine biotite. Last light grey qtzitic/qtz wacke bed of reasonable width at 585m.  
584.85m Thin qtz vnlet with sparse po and a few tourmaline needles.  
585.3-585.75m Bt conc bed or poss some frags.  
585.75-585.95m 3% diss po in muddy bed.  
585-587m Po diss a little more commonly in silty/fgr wacke beds.  
589.2-589.5m A few small fragments or disrupted beds.  
589.9-591.9m Core broken, several frxx, many IP bedding.  
591.3-591.85m Distorted beds and fragmental whitish mudchips in wacke with some diss po.  
593.85-593.95m Two thin qtz-chl veinlets with sparse tourmaline needles.  
594.2-594.4m Disturbed bedding poss some frags.  
593.5-599.8m Essentially uniform silty package with some frags, distorted So, and foliation + lamination ~IP So, perhaps this is sm mud pkg.  
594.75m A 4mm qtz vn, with a bit of po and tourmaline needles.  
595.5-595.75m Muddy bed with diss gt (sparse).  
595.9-596m Bed with sm frags aligned in fol'n.  
596.9-597.15m Cc and qtz vn at 70° to CA with bleached chl alt'd env. Veins, frxx are <1mm to 2cm.  
590.5-599m Several qtz vns 3-10mm at 50-65° to CA, with tr po, tur needles. Poss tr ZnS at 598.7m.  
600.35-600.55m A couple of small frags with po in bt rich wcke bed.  
602.3m A 5mm qtz-cc vn with tourmaline needles and po, similar thinner (3mm) vn at 603.05m.

## RIO ALGOM EXPLORATION INC.

### **Pyramid Peak DDH PP-00-01 Interval Notes Continued**

- 603-603.5m Several qtz-bt rich beds, 1.5-5cm wide, with diss po to ~5% max.
- 607-607.2m Several thin qv 2-3mm with sparse po, trace tourmaline needles.
- 609.2m A 1.5 cm chl frx zone. Rock broken and crumbly.
- 612.7m Two qtz-cc chl-bt vn, with tur needles and po – thinner frx has aspy xtls. Two similar veins at 613.4-613.45m.
- 613.45-613.55m (contact with gabbro) Rock is silicified, mottled, cut by several irreg fractures. Otherwise, contact fairly abrupt.
- 613.55m **GABBRO**. Fine grained, somewhat chl alt'd gabbro. First 20cm from contact are mod alt'd (chl + cc) with many cc trxx cut by several cc frx (40-50° to CA) with chl bleached envelopes. By 615m, is med grained. Amount of cc frx increases slightly from 616-617m. By 619m, gabbro is med to coarse grained, equigranular, fresh looking.
- 632-636m Weak to med dvlpd fol'n again in gabbro.
- 632.75-633m Poss conc or xenolith, with diss pink gts.
- 634.35m 1cm qtz vn with 6mm cc vn on immediate HW.
- 636m Fewer frx, rel fresh gts, still some diss po.
- 645.8-646m A wk fol'n ~40° to CA.
- 652m A chl-cc sh/frx zone. Below here, gabbro is more fine-grained.
- 652.25-652.4m Qtz-cc vn and qtz cc chl brx-sh. HW vein is 70° to CA, FW sh is 60°.
- 652.7m Back to mgr gabbro.
- 656.2-656.3m 10cm cc chl bt vn at ~70-80° to CA, abundant similar veining, frx and shear in HW at 45° mostly.
- 656.5-657.6m Mod str foliation.
- 659-665m Gabbro relatively strong, then mgr to 672m, then fgr. A weak foliation starts up by 686.5m or so.
- 687.75m A 5.5 cm qtz vn with po conc along selvage, chl + trem(?) in few cm thick alt'n env. CA angle ~70-80°.
- 688m A 3mm qtz vn at 10° to CA offsets a similar vein at 70° CA.
- 688.4-688.6m Shearing, fol'n and chl alt'n increase toward contact.
- 688.6m **A<sub>1</sub>** Thin bedded, biotitic wacke, qtzitic wacke, some silty beds. Thin bedded and some laminated beds.
- 690.25-690.45m Poss conc with qtz bt, gts.
- 692m 2mm qtz vn with po, fine tur needles.
- 694.8m 5mm qtz vn with tur needles, po.
- 695-695.1m Coarse grained bt-rich bed of qtzitic wacke or poss a conc. Also at 695.3-695.6 and 695.9-696m. Diss po in these intervals as well.
- 696-700.8m Essentially monotonous bed of foliated/laminated biotitic wacke. Fgr wacke to maybe a bit silty – maybe this is Sullivan Horizon equivalent. There is quite a bit (1-2%) of disseminated po through here.
- 699.8m A 1cm sheared, broken and partly brecciated qtz vn in sheared rock. Shear fol'n mostly planar, but below qtz is somewhat kink folded (as are some of the sh veins). The axial trace of microfolds is ~72° to CA, whereas fol'n itself is ~30° to CA.
- 700.3m A 1cm sh-breccia zone, with some cc and qtz vn (fragments) po and trace cpy.
- 702.05-702.35m Foliated wacke with rather coarse bt.
- 702.7-702.85m Strong fol'n, chl shears again.
- 703.4-704m Foliated with coarse bt as above.
- 704.95-705.15m **GABBRO**. Fgr cc vns, maybe small offshoots of sill.
- 705.15-707m **A<sub>1</sub>** Fgr, bt rich wacke, foliated.
- 705.35-705.55m conc with sparse diss gts.
- 706m 1.5 cm rextlized qtz bt vn or conc @ 20° CA.
- 706.4-706.5m Mod chl-SiO<sub>2</sub> alt'n mottling.
- 706.5m Poss conc or disrupted qtz-bt vn, also at 706.9-707m.
- 707m **GABBRO**. Somewhat sheared contact, strong fol'n in **A<sub>1</sub>** at 32° to CA. Gabbro at contact is mgr, light coloured (chl-bt-albite?) alt'd, weakly foliated and cut by several chl, cc, qtz, po frc. Quite magnetic but mostly from diss po. By 708m, less altered, more regular f-mgr gabbroic textures.
- 707.9m A thin chl cc qtz sh-vn with strong fol'n for 10cm in HW only.
- 708m Gabbro non-magnetic.
- 709.4m 2cm cc qtz vn with chl env 5 cm each side.
- 710.2-711.1m Gabbro is m-cgr, light coloured, albite alt'd. Also from 711.75-714m.
- 714.4m A 2.5cm qtz-chl vn with po, cpy, chl sheared and alt'd HW (10cm env).
- 715.1m A 1cm mgr aspy vn with cc + chl in HW and 5cm chl sh (30° to CA). ~1cm of chl gouge in FW ~70° to CA. From 715m down, gabbro is generally fine grained.
- 723-724m Several 2-3mm chl qtz (±cc) vn at 35-40° to CA, parallel to fol'n.
- 724.7-727.1m Zone of strong fol'n, continues lower down, but weaker.
- 725.6-726m A 15-20 cm highly sheared zone with fol'n 50° to CA, many cc, qtz frx and sulphide in frx and wisps IP fol'n. The fol'n is locally kinked and some fol'n IP veins.
- 730.3m A 2cm recrystallized qtz vn, parallel to fol'n, is cut by po, cpy (±chl) frx.
- 733.2-734.1m Fol'n (sh) intense lighter colour to gabbro due to chl-cc ± albite alteration.
- 733.9-734.05m A qtz-cc (+bt, chl) vn 3cm wide with graphite-chl shear on HW at 30° to CA. Strong fol'n in FW for 10cm.
- 735.1m Gabbro is less foliated again.
- 740.2-740.5m Strong fol'n again, 40° to CA.
- 740.4m Chl shearing and v fgr gabbro in HW of 1.5cm qv, 35° to CA.
- 742.3-742.4m Chl-qtz shear-veins have 1cm chl alt'd env.
- 745.4-745.66m A cc-chl brx-shear zone, vein on HW with cc-chl alt'd brx and cc frx in FW.
- 748.4-748.55m More cc frx and cc-chl alt'd brx.
- 748.5m – EOH Basically, gabbro is foliated, chl alt'd, fgr.
- 751.8m a 3cm rextlized qtz-bt vn (+chl) at 60° to CA, with po.
- 752.2-752.5m Strong fol'n (shearing), chl alt'n. Fol'n crumpled somewhat (crenulation?). Po + cpy in stringers and qtz vns within zone.
- 755.3-756.1m Strong fol'n again, chl alt'n.
- 755.3m A 3cm qtz vn at 40° to CA, 60° to CA (opp dip) is chl-graphite shear.
- 755.9-756.1m Chl alt'n strong. Abndnt cc, qtz frx, 40-70° to CA.
- 758.5m EOH (in gabbro).

RIO ALGOM EXPLORATION INC. DRILL HOLE SUMMARY SHEET										
<b>PROJECT NAME: Pyramid Peak</b>							<b>DDH# PP-00-02</b>			
<b>REASON FOR DRILLING HOLE:</b>		a) Test Sullivan Horizon. 11/08 to 25/08 b) Deepen Hole 10/09 to 17/09					Dip -74° Azimuth 086°			
<b>GENERAL</b>										
<b>DATES</b>			<b>DRILL COMPANY</b>				<b>GEOLOGIST</b>			
	Time	Date	Contractor:	<b>Beupre Diamond Drilling Ltd.</b>			Logged by: Leonard Gal			
Start:	11 PM	11/09/00	Drill Rig:	<b>Longyear 38</b>			Patrick Donnelly			
End:	7:50 PM	17/09/00	Core Size:	<b>NQ</b>						
<b>SURVEY</b>										
<b>LOCATION</b>			<b>DOWNHOLE SURVEYS</b>							
NTS:	82 F/9		Type	Depth (m)	Azimuth	Dip	Type	Depth (m)	Azimuth	Dip
Section:			Pajari	130.2	52	79	Pajari	794.2	100	66
Easting:	554864		Pajari	343.6	92.25	70				
Northing:	5500089		Pajari	459.5	195.25	72				
Elev. (m)	1940		Pajari	629.6	95	67				
<b>GEOLOGY CAPSULE - INTERCEPTS</b>										
FROM (m)	TO (m)	ROCK TYPE	COMMENTS	FROM (m)	TO (m)	ROCK TYPE	COMMENTS			
0	6.7		Casing	656.85	669.9		LMC – laminated siltstone (A <sub>1</sub> )			
6.7	155.5		A <sub>2</sub>	669.9	685.4		A <sub>1</sub>			
155.5	157.5		Gabbro	685.4	691.0		FZ – A <sub>1</sub>			
157.5	162.9		A <sub>2</sub>	691.0	696.0		A <sub>1</sub> probable			
162.9	217.5		Gabbro	696.0	714.1		Laminated siltstone, A <sub>1</sub>			
217.5	234.2		A <sub>2</sub>	714.1	794.2		A <sub>1</sub> with some thick laminated siltstone sequences			
234.2	235.1		Gabbro	794.2			EOH			
235.1	428.7		A <sub>2</sub>							
428.7	430.35		Altered mafic intrusive – lamprophyre							
430.35	656.85		A <sub>2</sub>							
<b>PERCENT RECOVERY</b>			<b>PHOTOGRAPHS</b>							
98% (Estimate)										
<b>REASON FOR ENDING HOLE/COMMENTS:</b>										
Very likely tested LMC, although cut and disrupted by FZ @ 688m.										









**RIO ALGOM EXPLORATION INC.**

Property Pyramid Peak

DDH PP 00-02

GRAPHIC		PRIMARY FABRICS & STRUCTURES			ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS				
m	LITH	TYPE	CA	(m)	TYPE	INT	(m)	TYPE	INT/ SIZE	(m)		FROM	TO	INT (m)	SAMPLE #	
											<b>A<sub>2</sub> Continued</b>					
											MIN	STR				
90		S <sub>6</sub>	76													
											82.25 – 82.35m Chlorite-quartz-calcite shear-fragmental breccia zone, irregular fragments and fractures. Footwall contact approx 70° to CA. Chaotic breccia-shear zone has numerous small white needles (or-bis-ws) randomly oriented.	82.8	83.3	0.5	18307	
95											82.85m A 3 mm quartz-calcite br vein with pyrite, small orange needles (?), rare tourmaline crystals, 65° to CA.					
					chl	mod	98.5				82.85 – 83.25m Highly fractured, many irregular veins, some breccia, chlorite alteration.					
100											83 – 83.5m Very strongly fractured, some microfolds, core broken, sheared. 1 cm gouge, chlorite, graphite?? at 83.2 + breccia					
											83.5m A calcite-quartz fragment-vein with pyrite, xxx xxx and rare tourmaline needles.					
105		S <sub>0</sub>	68								83.9 – 85.25m Altered mafic dyke: (lamprophyre) fine to medium grained chlorite, lath shaped and equant to ovoid phenocrysts in matrix of altered feldspar micro crystals and chlorite. Also small biotite(?) crystals in groundmass and some pp-altered phenocrysts (probably feldspar). Rare biotite phenocrysts, S <sub>0</sub> almost certainly a lamprophyre-type rock.					
											85.1 – 85.25m A quartz-chlorite vein 4 mm, parallel CA with pyrrhotite, orange needles (?) and a few small tourmaline needles. Lamprophyre is foliated, sheared on lower contact.	89.35	90.1	0.75	18308	
110											89.95m A 2-4 mm bifurcating quartz vein, 25, 70° to CA with calcite, trace chlorite and pyrrhotite, trace sphalerite cut by pyrite fragments.					
		S <sub>0</sub>	82								88.9 – 89m Biotite concretion + trace garnet.	90.1	91.55	1.45	18309	
115		S <sub>0</sub>	52								89.4 – 89.7m Dist. S <sub>0</sub> , some fragmentals.					
											90 – 90.5m Medium grey laminated to thin bedded subwacke/siltstone.					
120											90.5m Medium bedded, medium grey, well sorted, recrystallized, equigranular wacke-quartzitic wacke with occasional 1-2 mm wide chert chip. Pervasive weak to moderate biotite alteration in more siliceous sections.					

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GRAPHIC		PRIMARY FABRICS & STRUCTURES			ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS				
m	LITH	TYPE	DCA	(m)	TYPE	INT	(m)	TYPE		INT/ SIZE		(m)	FROM	TO	INT (m)	SAMPLE #
								MIN	STR							
120																
125			80									97.25	98.4	1.15	18310	
130					chl	mod	133-134									
135					chl	mod	137-139.3					108	110.15	2.15	18311	
140					chl	str	139.3-143.7					110.15	110.75	0.60	18312	
145					chl	mod	143.7-147.1									
150																

**A<sub>2</sub> Continued**

91.9m Thick bedded, massive, medium to light grey, medium grained, recrystallized quartzitic wacke with some 2-3 cm wide fracture sets with weak 1-2 mm wide SiO<sub>2</sub> /sericite envelopes.  
 92.4 - 92.7m Thin, 5 cm wide spaced fracture sets with quartz infilling fractures.  
 93.9m Fractured quartzitic wacke with 2-3 cm wide pencil thin fractures with quartz infilling and 2-1 mm wide sericite envelopes around fractures. Core moderately/weakly broken up.  
 95.8 - 95.9m 6 cm wide weak gougy shear.  
 98.5 - 105.0m Core has more chlorite alteration, weakly fractured with quartz infilling fractures with some finely disseminated pyrite/pyrrhotite in fractures. Bedding and other sedimentary structures not evident, still in quartzitic wacke.  
 105.0 - 107.0m Massive quartzitic wacke, with weak chlorite alteration in 1-2 mm wide envelopes surrounding 1-3 cm spaced, pencil thin fractures.  
 107.0m More pencil thin fractures. Fractures have 1-2 mm wide spacing, are irregular with quartz infilling with chlorite, sericite 1-2 mm wide ghostly envelope.  
 108.5 - 108.6m Irregular fractured white quartz vein with moderate chlorite envelope.  
 109.3m Siltstone more relevant in core.  
 109.8 - 109.9m 3 cm wide weak shear, some gouge.  
 112.5m Massive, thick bedded, medium grey, recrystallized quartzitic wacke. Some weak chlorite alteration along fracture envelopes. Moderate fracturing, hairline fractures spaced 4-5 cm apart. Moderate biotite content in siliceous sections, more weak to moderate sericite in siltier sections.  
 130.5 - 130.6m Weak shear, some gouge, 1-2 cm wide.  
 133.4m 2-3 cm wide irregular calcite vein with 3 cm wide moderate chlorite calcite envelope.

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GRAPHIC		PRIMARY FABRICS & STRUCTURES			ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS			
m	LITH	TYPE	DCA	(m)	TYPE	INT	(m)	TYPE	INT/ SIZE	(m)		FROM	TO	INT (m)	SAMPLE #
								MIN	STR						
150		S <sub>0</sub>	67								<b>A<sub>2</sub> Continued</b>				
					qtz	mod	154.5-154.9				134.6m 4 cm wide weak shear, some gouge.				
155											136.3m Series of irregular, pencil thin, fracture controlled quartz veins with finely disseminated, euhedral pyrite (1%) in envelope.				
											137.0m Core showing crowded, medium grained, subrounded chlorite spots, display weak to moderate fabric.				
160											139.3m Core more chloritic, spotted, medium grained, equigranular chlorite overprinting quartzitic wacke/wacke, bedding/sedimentary structures absent. Occasional 2-5 mm long subrounded chert clast.				
											140.7 - 141.2m Irregular aggregate of pencil thin calcite infilling fractures with fine grained, euhedral pyrite (2%) in fracture envelope.				
165											141.1 - 143.7m Major Fault, consists of 90% clay. Extreme chlorite alteration. Strongly/extremely brecciated, moderate calcite quartz veins extremely brecciated into angular, 1-3 mm sized fragments. Fault pure clay/chlorite.				
											143.7m Core strongly fractured, broken up.				
170											146.6 - 146.7m Weak/moderate shear, some gouge.				
											147.4-148.0m Core has more subwacke/siltstone content. Brown, moderate biotite, thin bedded subwacke, weak chlorite alteration.				
175											148.0m Core has moderate fracturing, some weak chlorite alteration.				
											152.0m Medium to dark grey quartzitic wackes/wackes with occasional 6-8 mm wide bands of wacke/subwacke - moderate to high pervasive biotite and weak chlorite.				
											153.9 - 154.1m Light grey, diffuse, irregular, 10 cm wide quartz vein.				
											155.5 - 155.7m Green, strongly chloritized, fine grained gabbro (?).				
180											155.95m Medium to coarse grained, euhedral, cubic pyrite at quartzitic wacke /gabbro contact.				

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GRAPHIC		PRIMARY FABRICS & STRUCTURES			ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS				
M	LITH	TYPE	[CA	(m)	TYPE	INT	(m)	TYPE		INT/ SIZE		(m)	FROM	TO	INT (m)	SAMPLE #
								MIN	STR							
180	+															
	+															
185	+															
	+															
190	+															
	+															
195	+															
	+															
200	+															
	+															
205	+															
	+															
210	+															

**A<sub>2</sub> Continued**

156 – 158.9m Green, medium grained, equigranular chlorite, biotite, actinolite rich gabbro with 5% euhedral, cubic, medium grained pyrite. Weak to moderate calcite in groundmass.  
 157.6m Get medium grained, rounded quartz crystals in gabbro. Look like quartz eyes or pseudomorphs?  
 158.9m Medium grey with green tinge, massive, thick bedded, quartzitic wacke/wacke with light chlorite alteration.  
 159.4 – 159.5m Light grey/off white, ghosty, moderately fractured, 8 cm wide quartz vein.  
 162.9 – 217.5m Green, medium-grained, porphyritic chlorite, hornblende, actinolite, plagioclase gabbro with chlorite, calcite, biotite, quartz groundmass, chlorite replacing hornblende, calcite replacing plagioclase.  
 168.6m Gabbro becomes coarser, plagioclase crystals coarser- medium grained. Hornblende coarser, more euhedral. Medium grained euhedral, acicular, needle shaped actinolite.  
 192.5 – 192.6m Medium grained, euhedral, cubic pyrite (1%) in diffuse, ghosty, irregular, 10 cm wide calcite vein.  
 201-202m Get occasional pure white, irregular, anastomosing, 10-20 cm wide blotchy calcite veins with medium grained, disseminated, subhedral (2%) pyrite.  
 203.9 – 205.2m Series of parallel, 102 cm wide, calcite biotite veins with chlorite, calcite, euhedral pyrite (2%) envelope.  
 206.7-207m Series of subparallel, 1-2 cm wide irregular calcite stringer veins.  
 207-208.6m Gabbro becoming more fine-grained. Equigranular chlorite biotite hornblende actinolite.

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m	LTH	TYPE	DCA	(m)	TYPE	INT	(m)	TYPE		INT/ SIZE		(m)	FROM	TO	INT (m)	SAMPLE #
								MIN	STR							
<b>Gabbro - 217.5m    217.5m A<sub>2</sub></b>																
210	+															
	+															
215	+															
	+															
220	~ ~ ~	S <sub>0</sub>	67													
	~ ~ ~															
225	~ ~ ~															
	~ ~ ~															
230	~ ~ ~															
	~ ~ ~															
235	~ ~ ~															
	~ ~ ~															
240	~ ~ ~	S <sub>0</sub>	85													

m

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GRAPHIC		PRIMARY FABRICS & STRUCTURES			ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS				
m	LITH	TYPE	DCA	(m)	TYPE	INT	(m)	TYPE		INT/ SIZE		(m)	FROM	TO	INT (m)	SAMPLE #
								MIN	STR							
240																
245		S <sub>0</sub>	75													
250																
255		S <sub>0</sub>	88													
260		S <sub>0</sub>	67													
265		S <sub>0</sub>	77		chl	mod	258.9-259.1									
270		S <sub>0</sub>	84													

**A<sub>2</sub> Continued**

232.6 – 234.2m Dark grey, laminated, moderately contrasting, wavy, 5-10 cm wide subwacke/siltstone beds.  
 233.7 – 233.75m 5 mm wide irregular calcite chlorite vein/knot with finely disseminated (2%) euhedral pyrite.  
 234.2 – 235.1m Light green, porphyritic, medium grained calcite replacing plagioclase. Pseudomorphic gabbro with fine grained calcite biotite chlorite groundmass. Strongly calcified calcite pseudomorphs display moderate fabric bedding to core axis. Could be lamprophyre?  
 235.4 – 235.9m Core weakly to moderately fractured, broken up, consisting of medium bedded, medium grained, recrystallized quartzitic wacke with occasional, 3-10 cm wide band of light brown/medium grey, wavy, laminated, thin bedded subwacke siltstone with moderate-high fine grained biotite and 3-4 cm long elongated chert chips.  
 242.2m Medium brown/grey massive, fine grained, well sorted, biotite rich wacke with 10-15 cm wide bands of med brown laminated irregular biotite rich siltstone.  
 247.9m 6 cm x 3 mm elongated, biotitized mud fragment in massive equigranular quartzitic wacke.  
 250.2m Moderate fracturing Frx 2-4 mm apart.  
 250.5 – 250.6m Weak shear, some gouge.  
 254.8 – 254.9m White, patchy, irregular, 2-3 mm wide calcite vein.  
 255.2m Cross laminations in siltstone.  
 256.3 – 256.4m 10 cm wide coarse concretion with 2-3 mm wide garnets and 2-4 mm wide chlorite clots in massive, snow white quartz matrix.  
 257.1 – 257.2m 10 cm wide zone of fracture controlled calcite veinlets spaced 0.5 mm to 1 cm apart.

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GRAPHIC		PRIMARY FABRICS & STRUCTURES			ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS			
m	LITH	TYPE	QCA	(m)	TYPE	INT	(m)	TYPE	INT/ SIZE	(m)		FROM	TO	INT (m)	SAMPLE #
								MIN	STR		<b>A<sub>2</sub> Continued</b>				
270		S <sub>0</sub> fold	70	270.5											
275		S <sub>0</sub>	77					cpy	qv	2mm	272.6				
280		S <sub>0</sub>	88												
285															
290															
295		S <sub>0</sub>	87												
300															

259.2m Pervasive weak sericite in massive, medium bedded, dark grey quartzitic wacke.  
 261-261.3m 1-2 mm elongated, diffuse mudchips in massive, biotite-rich quartzitic wacke.  
 261.5m Convoluted soft sediment folding in dark grey wacke. Elongated, thin, wispy (1-2 mm), flat-lying micro recumbent folds lying 90° to CA.  
 265.1-265.8m White, 8 cm wide, irregular, coarse bull quartz vein parallel to CA. Vein is moderately fractured with disseminated pyrrhotite (2%) and fine to medium grained garnets.  
 266.6-266.9m White, irregular, fractured coarse bull quartz vein with coarse pyrrhotite clots (10%) in vein. Some disseminated chalcopyrite (1%).  
 270.6-270.7m Weak shear, some gouge.  
 271.8m 4 x 1 cm chloritized fragment in massive quartzitic wacke.  
 271.2-276.6m Massive, thick to medium bedded, recrystallized quartz wacke/quartzitic wacke.  
 276.6m Dark gray/brown, biotite rich, diffuse, laminated to medium bedded subwacke/wacke with occasional ripple marks and flame structures.  
 279.8-279.9m Weak shear, some gouge.  
 284.2-290.85m Fine to medium grained sericite overprinting thin bedded, laminated brown siltstone/subwacke.  
 284.7m Thin, 1 cm wide, weak shear, some gouge with disseminated pyrite (2%).  
 284.8m Marker line Material (M)?  
 285.2m Possible marker material.  
 290.8-294.1m Light grey, medium to thick bedded, recrystallized, equigranular quartzitic wacke.

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GRAPHIC		PRIMARY FABRICS & STRUCTURES			ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS				
m	LITH	TYPE	DCA	(m)	TYPE	INT	(m)	TYPE		INT/ SIZE		(m)	FROM	TO	INT (m)	SAMPLE #
								MIN	STR							
300		S <sub>0</sub>	87													
305																
310		S <sub>0</sub>	88													
315		S <sub>0</sub>	85													
320																
325		S <sub>0</sub>	87													
330																

m

**A<sub>2</sub> Continued**

294.1m Medium to thin bedded, medium to dark grey wacke with moderate biotite, occasional 3-8 mm x 1 mm elongated, flattened, subrounded chert chips.  
 295.4-295.5m Moderate parallel fracture set. Fractures 5-8 mm apart  $\square$  32° to CA.  
 295.5m Possible marker material 1-3 cm wide.  
 295.5-296.6m Thin bedded/laminated light grey siltstone subwacke with fine to medium grained sericite overprinting.  
 298.8m 1 mm wide irregular chlorite calcite vein.  
 299.65m Flame structures in laminated siltstone.  
 302.9m Definite marker. Hiawatha?  
 303.3m Marker material?  
 303.5m Flame structures in laminated siltstone.  
 307.2-307.9m Core moderately fractured.  
 312.9m 8 cm long x 2 mm wide chert fragment in thin bedded siltstone/wacke/subwacke.  
 315.4-315.5m Dish and ball structures/flame structures convoluted thin bedded siltstone beds in thick bedded quartzitic wacke as load structures.  
 321.5m Weak shear, some minor gouge.  
 323.3m Dark gray, recrystallized, thin bedded, biotite rich wacke/subwacke siltstone with medium bedded, medium grey, recrystallized, biotite rich, normally graded, medium/fine grained quartzitic wacke.  
 325.3m 1-2 cm marker material.  
 326.3m Flame structures in laminated siltstone.  
 326.5-326.6m 6 cm wide moderate shear zone, some gouge.  
 327.2-327.3m Flame structures in laminated siltstone.







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m	GRAPHIC		PRIMARY FABRICS & STRUCTURES			ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS			
	LITH	TYPE	DCA	(m)	TYPE	INT	(m)	TYPE	INT/	(m)	A <sub>2</sub> Continued		FROM	TO	INT (m)	SAMPLE #
								MIN	STR	SIZE						
390					chl	mod	399.5 390.9									
395								gal	qv	4mm	399.4					
400		S <sub>0</sub>	80		chl	mod	401.2 402.2									
405		S <sub>0</sub>	50													
410		S <sub>0</sub> fln	41	40.9	chl, sbt	mod	408.8 410.9	cpy	qv	8cm	408.8					
415		S <sub>0</sub>	83													
420																

m

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GRAPHIC		PRIMARY FABRICS & STRUCTURES			ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS				
m	LITH	TYPE	DCA	(m)	TYPE	INT	(m)	TYPE		INT/ SIZE		(m)	FROM	TO	INT (m)	SAMPLE #
								MIN	STR							
420		S <sub>foln</sub>	71	422.3	cc, bt	mod	422.05 423									
425		S <sub>o</sub>	84		chl	mod	424.8 426.3									
430		S <sub>foln</sub>	34	430.1	chl, cc bt	mod	428.2 428.5									
435																
440		S <sub>o</sub>	88													
445		S <sub>o</sub>	68		chl, cc bt	mod	444.2 444.4									
450																

**A<sub>2</sub> Continued**

389.1m Irregular 5-8 mm wide calcite vein with 10% disseminated pyrrhotite.  
 389.2m Moderately foliated, chloritized siltstone/wacke.  
 389.7-389.8m Strongly foliated weakly sheared wacke with moderate to strong chlorite biotite alteration, some irregular 3 mm wide quartz veins with 2% disseminated pyrrhotite.  
 389.8-390.9m Moderately silicified chloritized wacke/quartzitic wacke with 3-6 mm wide anastomosing quartz calcite veins, has a weak to moderate foliation.  
 391.6m 2 cm wide weak shear with gouge, 1 cm wide irregular quartz vein adj to shear.  
 392.4m Fracture controlled calcite veinlets.  
 393.5-393.8m Dk brown biotite rich quartzitic wacke/wacke.  
 394.1m Irregular 6 cm wide quartz calcite vein.  
 393.8-394.8m Weak to moderate pervasive chlorite alteration in med bedded wacke/quartzitic wacke.  
 394.5-394.8m Med gray med bedded sericite rich quartzitic wacke with elongated wispy 3 cm long (5%) pyrrhotite with chlorite selvage around pyrrhotite crystals.  
 394.9m Lt green/grey massive recrystallized quartzitic wacke.  
 397.4-397.5m Fracture controlled 1mm wide irregular calcite stringer vein subparallel to CA.  
 398.9-399m 10 cm band of wavy chloritized distorted laminated siltstone/subwacke.  
 400.9m Med grey/brown thin bedded biotite rich wacke with moderate chlorite alteration. Numerous 1mm wide calcite veins with mod chlorite selvages with diss (5%) Po, Cpy (1%).  
 401.5m 4cm wide irregular calcite quartz vein with weak to mod chlorite selvages. Disseminated pyrrhotite (5%), pyrite (5%).  
 402.7m 1cm wide wavy distorted brown biotite rich siltstone subwacke bands separating light grey massive med/thick bedded quartzitic wackes.





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GRAPHIC		PRIMARY FABRICS & STRUCTURES				ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS					
m	LITH	TYPE	CCA	(m)	TYPE	INT	(m)	TYPE	INT/ SIZE	(m)	FROM		TO	INT (m)	SAMPLE #			
								MIN	STR									
510		S <sub>0</sub>	86		ser	mod	511.3-512.4				<p><b>A<sub>2</sub> Continued</b></p> <p>435.3-436.4m Mod fractured qtz wacke with 8mm to 1m wide irreg anastomosing qtz cc veins.</p> <p>436.4m 3mm wide qtz vein sub-parallel to core axis.</p> <p>437.9m Irreg knotted 2cm cc vein adj to 3cm x 3mm along subrounded chert chip.</p> <p>438.45m Cc garnet chl concretion.</p> <p>438.8m Med brown laminated bt rich siltstone/subwacke.</p> <p>439.6m Fracture controlled cc chl 0.5mm veinlet with 2% disseminated po.</p> <p>440.1-441.3m 5mm wide qtz vein parallel to core axis encircling 1m long qtz/cc/gt/bt/chl concretion. Contains 10% diss to semi massive po.</p> <p>440.73-440.8m Po is massive with 1% diss cpy.</p> <p>442.2m Intercalated med to thin bedded med grey quartzitic wacke/wacke with thin bedded to laminated wavy subwacke/siltstone. At 444.2m get occasional flame structures.</p> <p>445m Irreg 3-6mm wide qtz vein.</p> <p>448.1m Flame structures in 10cm wide band of sericitized siltstone.</p> <p>452-455m Strongly fractured smoky grey irreg 5cm wide qtz vein sub parallel to core axis with strong 1-2cm wide bt along selvage. Vein goes through gt qtz cc concretion. Vein has semi massive py clots throughout (5%) and po (5%). Parts of vein has minor brecciation. Get occasional strong chl alteration in vein. Vein envelopes whole core after 452.4m.</p> <p>458.36-458.38m Weak shear, some gouge.</p> <p>463.7-463.8m 4cm wide weak shear, some gouge.</p> <p>464.5m Flame structures in laminated/thin bedded siltstone.</p> <p>466.1m Weak shear, some gouge, strong fracturing.</p> <p>466.2-468.2m Brown bt rich thin bedded/laminated wacke/subwacke with occasional distorted lamina, flame structures. Lamina are wavy set x-laminations, indiv. lamina 3-7mm wide, wavy.</p>							
															522.73	522.93	0.20	18320
															525.25	525.34	0.19	18321
515					ser	mod	516.98-517.6											
		S <sub>0</sub>	73												525.34	525.51	0.17	18322
520															525.51	525.88	0.37	18323
		S <sub>0</sub>	80												525.88	525.98	0.10	18324
525															525.98	526.54	0.56	18325
															526.54	526.75	0.21	18326
530		S <sub>0</sub>	82												527.51	527.67	0.16	18327
															556.1	556.48	0.38	18328
535		S <sub>0</sub>	80												556.55	556.94	0.39	18329
															557.17	558.18	1.01	18330

m

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GRAPHIC		PRIMARY FABRICS & STRUCTURES			ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS							
m	LITH	TYPE	DCA	(m)	TYPE	INT	(m)	TYPE	INT/ SIZE	(m)		FROM	TO	INT (m)	SAMPLE #				
								MIN	STR										
540		S <sub>0</sub>	87		ser	mod	546.6-547.9				<p><b>A<sub>2</sub> Continued</b></p> <p>467.9-468m Black 10cm wide band subwacke argillite with 5% diss. po.                      468.1m 0.5mm wide fracture controlled qtz/cc veinlets.                      471.5-471.7m Diffuse light to dk grey 1cm x 5mm elong. subrounded biotized with py margins in massive dk grey bt rich wacke/subwacke.                      472.2-472.3m Flame structures in laminated siltstone.                      472.7m Dk brown thin bedded/laminated bt rich occasionally wavy siltstone wacke with fine grained sericite overprinting, get occasional flame structures.                      474.2m 3cm wide irreg strongly diffuse qtz/cc vein.                      477.2m Good dish-pillow structure – pillow 2cm x 4mm subrounded qtz wacke/wacke in strongly sericitized thin bedded subwacke siltstone.                      471.2m Flame structures.                      478.2m Massive med bedded lt grey recrystallized quartzitic wacke with occ 5-10cm wide irreg, wavy, thin bedded brown laminated siltstone/subwacke with frequent flame structures.                      486.3m Weak shear, some gouge – 2cm wide. Also at 487.2m.                      490.5m 2mm wide cc vein with 2cm wide qtz chl knot with 4-6mm wide clots of po (10%).                      492.4-492.5m 7cm wide qtz vn knot with coarse bt and po (5%) clots in vn. Found in thin bedded wavy siltstone.                      492.7m Semi-massive po in 8cm wide smoky med grey qtz vn with coarse bt along 1cm wide selvage.                      496m Minor fracturing with mod cc infilling fractures in qtz wacke.                      496.8-498m Brown med bedded bt rich qtzitic wacke with fine to med cc crystals overprinting core.</p>								
545					chl	mod	545.65-546.2									558.18	559.18	1.0	18331
550		S <sub>0</sub>	87		ser	mod	550.6-550.7									559.18	559.59	0.41	18332
555		S <sub>FA</sub>	78	555.3				aspy	qv	1mm	559.59	560.54	0.95	18333					
560		S <sub>FA</sub>	45	560.6							560.65	561.67	1.02	18334					
565		S <sub>0</sub>	85		chl	wk-mod	560.5-561.1				561.67	561.82	0.15	18335					
570		S <sub>FA</sub>	55	565.3	chl, qtz	mod-str	564.9-566.95				562	563	1.0	18336					
					bt, ser	mod	568.8-568.9				564	564.78	0.78	18337					
											564.78	565.38	0.5	18338					
											567.46	568.54	1.08	18339					
											568.54	569.52	0.98	18340					
											569.52	570.52	1.0	18341					
											570.52	571.4	0.88	18342					







**RIO ALGOM EXPLORATION INC.**

Property Pyramid Peak

DDH PP 00-02

GRAPHIC		PRIMARY FABRICS & STRUCTURES			ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS			
m	LITH	TYPE	CA	(m)	TYPE	INT	(m)	TYPE	INT/ SIZE	(m)		FROM	TO	INT (m)	SAMPLE #
								MIN	STR						
630											<b>A<sub>2</sub> Continued</b>				
		S <sub>0</sub>	74		chl, cc bt	mod	631.9- 632.1				560.2m Mod cc infilled irreg fracture set.	594.93	595.9	0.97	92567
											560.6m Strong chloritized foliation.	595.9	596.9	1.0	92568
635					ser, bt	mod	635.5- 635.6				560.9-561.1m Fracture controlled cc vein set sub-parallel to CA.	596.9	598.9	2.0	92569
											561.9m cc infilled fracture set with 8cm wide weak cc envelope.				
											563.6-563.8m Lt green mod foliated chloritized silicified qtzitic wacke with sub-parallel 3-6mm wide ghosty diffuse qtz veins with mod chl/silica envelope.	598.9	599.9	1.0	92570
640		S <sub>0</sub>	76								560.1-560.7, 561.1-561.7, 562-563.1, 564m Mud packages.	599.9	600.94	1.04	92571
											565.5-565.9m Series of 1mm-3cm wide subparallel ghosty diffuse smoky qtz veins in mod to strongly foliated mud pkg material with mod to wk chl/silica alteration.	600.94	601.86	0.92	92572
645		S <sub>0</sub> foln	26		chl, cc qtz	mod- str	644.8- 645.4				565.9-566.2m Core mod foliated with mod chl alteration.	601.86	602.14	0.28	92573
											566.2m Core strongly fractured with mod to strong chl alteration and po clots (2%) in fractures, occasional irreg ghosty cc veins.	602.14	603.14	1.0	92574
											566.45-566.64m Mod 20cm wide fault with significant gouge & finely dissem py (2%).	603.14	604.14	1.0	92575
											566.64-566.93m Strongly fractured foliated mud pkg with strong chl/silica alteration.	604.14	605.08	0.94	92576
											566.93-566.95m Wk shear, 2cm wide, some gouge strong chl, SiO <sub>2</sub> alteration.	605.08	606.14	1.06	92577
650		S <sub>0</sub>	70								567.1m Fine grained lt brown well graded bt rich laminated wacke (CWL?).	606.14	606.8	0.66	92578
					chl, qtz	mod	653.8- 654.6				567.8-567.9m Series of 3mm-1.5cm wide irreg milky white ghost qtz veins.				
											571.3-571.4m Ghosty irreg smoky diffuse qtz veins.				
											572m 1-2cm wide irreg snow white bull qtz.				
655											573.4m Mud pkg. Fine grained dk grey/black massive weakly sericitized with occasional 3-5cm wide wavy irreg brown siltstone bands, occasional 5-8cm wide concretion. Mud pkg has 1-2% finely disseminated po, occasional 2-6mm subrounded chert chips.				
											577m 4mm wide weak shear, some minor gouge.				
660															

m

**RIO ALGOM EXPLORATION INC.**

Property Pyramid Peak

DDH PP 00-02

GRAPHIC		PRIMARY FABRICS & STRUCTURES			ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS					
m	LITH	TYPE	DCA	(m)	TYPE	INT	(m)	TYPE	INT/ SIZE	(m)		A <sub>2</sub> Continued	FROM	TO	INT (m)	SAMPLE #	
								MIN	STR								
660		S <sub>0</sub>	81									581.5m	3.5cm wide smoky grey qtz cc vein with coarse mats of tourmaline and bt along 3mm-2cm wide selvage with 4cm wide weak ser envelope with some py clots (1%) in vein.	608.89	609.87	0.98	92579
665		S <sub>0</sub>	99									584.5-585.1m	Mod irreg fracturing in core, weak chl alt along fractures & fracture margins.	609.87	610.93	1.06	92580
												586.4m	Wispy diffuse qtz, bt, chl, po alteration along 8mm fracture envelope.	610.93	611.89	0.96	92581
												586.9-587.4m	Mod irreg fracture set with 3mm wide mod chl env around indiv fractures.	611.89	612.65	0.76	92582
670		S <sub>0</sub>	82									588.4m	1cm wide weak shear, some gouge.				
					chl	mod	673.4-673.15					591.5-591.9m	Black argillite mud unit is distorted/convoluted, diffuse soft sediment deformation.	612.75	613.8	1.05	92583
								cpy	chl fr	2mm	674.6	592.7-592.75m	Strong foliation.	613.8	614.93	1.13	92584
675												594.4-594.8m	Mod fracturing fracture controlled mod chl alteration.				
												602.2m	1-5mm wide irreg qtz vein with 1mm wide mod bt chl margin.	614.93	615.92	0.99	92585
												602.7m	Fracture controlled irreg cc chl vein, 1cm wide weak chl env surrounding fractures.	615.92	616.82	0.9	92586
680		S <sub>0</sub>	70					sph	cc fr	2mm	675	603.6-604.5m	Fractured controlled wk chl ser alteration in 2-3cm wide env surrounding mod fracture set. Parallel fractures spaced 2-4 cm apart.	616.82	617.76	0.94	92587
												604.6m	Weakly chloritized fracture set.				
												606.1-606.2m	Med grained subhedral gts in weakly sericitized chloritized lt green mud pkg.	617.76	618.82	1.06	92588
685		S <sub>fa</sub> , 99	50	686.1	qtz	mod	685-686.1					606m	1-2mm wide irreg fracture controlled cc vein.	618.82	619.78	0.96	92589
		S <sub>fa</sub> , 99	30-40	687-688								606.45-606.70m	Large 30cm wide coarse smoky grey qtz vn with strong patchy bt, ser, chl, ankerite/K-spar alteration within vein with 30cm wide pervasive chl env surrounds vein. Strong ser along vein selvage 3-8mm wide.	619.78	620.8	1.02	92590
690		S <sub>fa</sub> , 99	40-50	689.5								606.7-607.1m	1cm wide qtz veins emanating from lrg 30cm wide vn, subparallel to core axis.				
												607.15-608.8m	Another 1cm wide qtz vn, subparallel to core axis. Fracture controlled smoky qtz vn, vn has strong cc 1mm wide selvage.				



**RIO ALGOM EXPLORATION INC.**

Property Pyramid Peak

DDH PP 00-02

GRAPHIC		PRIMARY FABRICS & STRUCTURES			ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS				
m	LITH	TYPE	DCA	(m)	TYPE	INT	(m)	TYPE		INT/ SIZE		(m)	FROM	TO	INT (m)	SAMPLE #
								MIN	STR							
720		So	65									639.4-639.5m	632.2	633.27	1.07	92603
725												639.4m	633.27	633.63	0.36	92604
730		So	73					cpx	qtz fr	<1mm	728.35	642-642.1m				
735												643.6-647.7m	657.6	658.2	0.6	92633
												644.7-645.4m	658.2	659.18	0.98	92634
740												645.4m	659.18	660.05	0.87	92635
												649.1-649.3m	660.05	661	0.95	92636
745		So	76					sph?	qv	<1mm	742.75	650-650.7m	661	661.94	0.94	92637
												653.2-653.3m	661.94	662.94	1.0	92638
750												653.8-654.6m	662.94	663.8	0.86	92639
												654.8-655.2m	663.8	664.9		
												655.2-655.3m	663.8			
												655.3-656.5m			1.1	92640

**RIO ALGOM EXPLORATION INC.**

Property Pyramid Peak

DDH PP 00-02

GRAPHIC		PRIMARY FABRICS & STRUCTURES			ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS			
m	LITH	TYPE	DCA	(m)	TYPE	INT	(m)	TYPE	INT/ SIZE	(m)		FROM	TO	INT (m)	SAMPLE #
								MIN	STR						
750															
755		S <sub>0</sub>	73								656.6m	664.9	665.4	0.5	92641
											657.3-660.6m	665.52	666.6	1.08	92642
											<b>LMC-657.1m</b>				
											657.3-660.6m				
											657.1-660.6m	666.6	667.6	1.0	92643
											659.4m				
											651.7-669.95m	667.6	668.65	1.05	92644
											660.6-669.7m				
760		S <sub>0</sub>	70								665.5m	668.85	669.15	0.5	92645
											667.9-668.1m	669.15	669.95	0.90	19351
											669m	669.95	671.4	1.45	19352
											670-670.3m				
											669.95-681m	671.4	673.3	1.9	19353
		S <sub>folm</sub>	60								671m	673.3	673.75	0.45	19354
											673.05-673.1m	673.75	675.05	1.3	19355
		S <sub>0</sub>	68								673.4-673.5m	675.05	676.85	1.8	19356
											674.75m	676.85	678	1.15	19357
770											675.5m				
775															
780															
785															

cpy chl fr 4-3mm 774.25  
 sph qv 4mm 774.8  
 sph qv 5mm 775.45  
 cpy qv 8mm 779.65

**RIO ALGOM EXPLORATION INC.**

Property Pyramid Peak

DDH PP 00-02

m	LITH	PRIMARY FABRICS & STRUCTURES			ALTERATION			MINERALIZATION			COMMENTS	ASSAY INTERVALS & RESULTS					
		TYPE	DCA	(m)	TYPE	INT	(m)	TYPE	INT/ SIZE	(m)		FROM	TO	INT (m)	SAMPLE #		
								MIN	STR								
780		S <sub>0</sub>	62									675.95, 676.25, Gt bearing conc.	680.45	680.8	0.35	19358	
		S <sub>0</sub>	11									677m Mostly lt grey silica altered (?) qtzitic wacke, some conc probably with fairly common diss po specks. Some po concentrations are larger and irregular, possible fragments.	682.5	684.95	2.45	19359	
285		S <sub>0</sub>	36	780								678.1m poss cc-chl bt conc.	690	692	2.0	19360	
		S <sub>0</sub>	25									679.679.2m Thin cc-chl sh-vn host some po and sph in related frx.	694	695	1.0	19361	
290		S <sub>0</sub>	37									679.45-679.7m Cc-bt bearing conc with sparse gt.	702.6	702.85	0.25	19362	
		S <sub>0</sub>	55					cpy	chl fr	1mm	788.5	680.4m Gt conc with po diss.					
		S <sub>0</sub>						cpy	qv	2mm	790.7	680.7m Several thin po fr or laminae parallel to S <sub>0</sub> also folded and offset by frx with S <sub>0</sub> .					
												680.7-681m Disrupted S <sub>0</sub> .	702.85	704.25	1.4	19363	
315												681m Core becomes more broken, cut by many chl frx.					
												681-681.2m cc-bt conc.					
												681-685m More qtz wcke dominant, still po diss and ser-cc alteration in places.	704.25	706.1	1.85	19364	
												682.3m Gt conc; conc also at 683.75m.					
												685.5m Foliation becomes quite strong (coming into Fault Zone).	706.1	708	1.8	19365	
												686m Foliation and shearing quite strong, although fabric is folded and crumpled/kinked.	708	709.3	1.3	19366	
												686.7-687.2m Folding of foliation fabric quite pronounced.					
												687.5m a 1.2cm chl sh-gouge at 40° to CA.	709.3	710.3	1.0	19367	
												687.5-688m Core highly frxed, broken with cc, chl, po in frx.					
												688m 8cm gouge brx-frx zone at 30-40° to CA HW, FW 40-45°	710.3	711.6	1.3	19368	
												690.5m Strong foliation FZ fabric done by 690.5m.					
												692-692.4m Strong foln assoc with chl-cc sh and frx 35-45° to CA.	711.6	712.4	0.8	19369	
												692.6-692.7m Poss conc with chl/cc					
												693.7m Sparse gt, poss conc with po.					



## RIO ALGOM EXPLORATION INC.

### Pyramid Peak DDH PP-00-02 Interval Notes Continued

694.35-695m Sparse clots of cc + po, irregular shape, poss frags or frx related.  
695.3m Sparse Gt  
696-701m Altered CWL.  
702.6-702.9m A finely laminated wcke, also laminated at 704.8-705.1, 705.3-705.6m  
705.35-705.5m Possible chl-cc concretion.  
705.6-706.1m Laminated beds.  
706.1m concretion, also at 706.55m (cc, chl, bt).  
709.15-709.3m cc, chl concretion  
709.3m Laminated wcke mudstone, overprinted by ser, bt ± cc alteration.  
713m Start to see thin bedded units again instead of msv wcke, lamnatal, etc. There are still laminated beds within this sequence. CWL type lithologies, also laminated units continue to have thin plates of cc within the laminations.  
715-718m Thin bedded units dominate, reminiscent of A<sub>1</sub>. Good plana beds, no disruptions.  
716.9-717m conc, sparse gt  
718.15-718.3m Cc conc with some gt.  
719.5m A couple of small fragments and a small folded bed.  
719.7m Sl gouge dulpment and 5mm cc vein  
719.9m 2cm gouge zone with py and cc vein.  
720-720.2m Laminated zone  
720.15-720.3m Several fragments, including poss tourmalinized muchip in laminated wcke-mudstones.  
721.3-722m Core is broken, frxxd.  
722.4-722.6m Poss x-lam in some beds, weakly disturbed bedding.  
723m A couple of gt, also at 724.85, possible conc.  
725.4-726.9m Finely laminated siltstone-fgr wcke with fine white cc plates in fol'n, sparse po.  
728.2m Dk grey conc with po.  
731.65m Gt conc.  
733m Start thin bedded horizon again.  
734.5m A 5cm healed frx, brx zone, poss fault related (at 75° to CA).  
734.5-734.6m Gt conc.  
735.25-735.45m Laminated zone that resembles marker material (not likely).  
735.7m Weak x-lams (RWU).  
737.1-737.2m Gt-cc conc.  
737.2-737.35m Laminated wcke.

739.05-739.4m Large chl bt qtz conc, also at 740-740.55m and 740.7-741.1m.  
741.1-742.3m Laminated beds, lt grey brown colour with whitish plates in lamination (cc?) and ser overprint, same as previous.  
743.75-743.9m Two thin qtz-po/bt frx, both near bed tops with poss fgr sph.  
749m Back into rather thin bedded qtzitic wackes, siltstone, etc.  
749.75-749.85m Bt-cc concretion.  
750.1m Bt-cc concretion.  
750.25-750.35m Cc-chl-bt conc, also at 751.4-751.5m and 751.9-752.05m.  
757.9m Possible tourmalinized mudchip.  
758.55m Flame structures RWU.  
759.3m Gt conc.  
761.35m Sparse gt, poss conc.  
762.4-762.5m Possible conc.  
763.55-763.8m Probable conc.  
765.7-766.1m Poss FZ with frx sets, cc-br vn, no gg.  
767.35m Diss gt in 1cm siltstone.  
768.85m Concretion.  
774.45-774.6m Concretion.  
776.7m Contact marked by 1.8 cm qtz (+chl bt po) vein.  
776.7-779.6m **Gabbro (?)**, fine grained, altered and foliated. Non magnetic to weakly magnetic (prob due to po), chl-bt ± cc, ser alt'n. Difficult to see original textures. HW contact 70°, FW contact 70°. Only at basal contact becomes mgr with discernable hbl (secondary trem?) crystals.  
779.6 A<sub>1</sub>, cont.  
783m Sl chl alteration, wk foln and frx-dulpment + sl gouge at 30-35° to CA.  
787.5-787.7m Wk chl alt'n, mod foln, poss FZ.  
789.1-789.3m Strong frxx, some fol'n, sl gg, poss minor FZ.  
**791.2 EOH**

#### Sample Intervals:

From	To	Interval (m)	Sample
687	688	1.0	19370
692	694	2.0	19371
695	697	2.0	19372
697	699	2.0	19373
699	701	2.0	19374
701	702.6	1.6	19375
712.4	714.1	1.7	19376
714.1	715.5	1.4	19377
723.85	725	1.15	19378
737	739	2.0	19379
747.3	748.5	1.3	19380

**APPENDIX VI**  
**Core Sample Analytical Results**



ASSAYING  
GEOCHEMISTRY  
ANALYTICAL CHEMISTRY  
ENVIRONMENTAL TESTING

10041 Dallas Drive, Kamloops, B.C. V2C 6T4  
Phone (250) 573-5700 Fax (250) 573-4557  
email: ecotech@direct.ca

## CERTIFICATE OF ASSAY AK 2000-242

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

31-Aug-00

ATTENTION: SIG WEIDNER

No. of samples received: 103

Sample type: Core

Project #: 9903

Shipment #: None Given

Samples submitted by: Leonard Gal

ET #.	Tag #	Ag (g/t)	Ag (oz/t)	Pb (%)	Zn (%)
46	18215	73.9	2.16	4.56	11.6
48	18217	-	-	-	1.43
51	18220	-	-	2.21	7.65

### QC DATA:

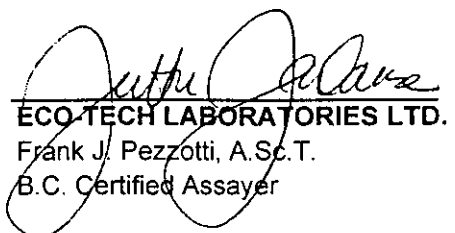
Standard:

KC1a

1690      49.29      2.23      -

XLS/00

Fax: 604-669-0447

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

28-Aug-00

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

ICP CERTIFICATE OF ANALYSIS AK 2000-242

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

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

ATTENTION: SIG WEIDNER

No. of samples received: 103

Sample type: Core

Project #: 9903

Shipment #: None Given

Samples submitted by: Leonard Gal

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	18170	<5	<0.2	1.41	<5	125	5	0.19	<1	14	62	63	3.25	20	0.86	473	<1	0.02	18	400	12	<5	<20	7	0.11	<10	16	<10	18	75
2	18171	<5	<0.2	1.08	<5	115	10	0.17	<1	12	77	35	2.50	10	0.60	323	1	0.03	16	300	12	<5	<20	3	0.10	<10	13	<10	19	56
3	18172	<5	<0.2	1.23	<5	90	<5	0.17	<1	16	75	56	3.03	20	0.52	407	<1	0.02	22	310	14	<5	<20	5	0.11	<10	16	<10	19	72
4	18173	<5	<0.2	1.49	5	105	10	0.18	<1	15	59	16	3.20	20	0.63	410	<1	0.02	23	510	12	<5	<20	5	0.13	<10	18	<10	18	77
5	18174	5	<0.2	1.33	<5	75	<5	0.28	<1	15	49	26	3.00	30	0.56	261	1	0.02	23	300	18	<5	<20	10	0.08	<10	15	<10	10	63
6	18175	5	<0.2	1.27	10	90	5	0.22	<1	14	60	21	2.89	30	0.52	260	<1	0.01	20	310	10	<5	<20	11	0.11	<10	16	<10	11	66
7	18176	<5	<0.2	1.62	<5	115	10	0.33	<1	16	47	46	3.67	30	0.73	476	1	0.01	22	400	18	<5	<20	8	0.14	<10	22	<10	19	86
8	18177	<5	<0.2	1.29	<5	75	5	0.28	<1	14	56	33	3.10	30	0.58	348	<1	0.02	22	350	14	<5	<20	10	0.09	<10	17	<10	17	73
9	18178	<5	<0.2	1.21	<5	80	10	0.27	<1	14	57	37	2.97	30	0.57	307	<1	0.01	18	520	14	<5	<20	6	0.11	<10	14	<10	18	68
10	18179	10	<0.2	1.24	<5	90	10	0.20	<1	16	56	43	3.26	30	0.58	306	<1	0.01	20	300	18	<5	<20	9	0.11	<10	15	<10	18	77
11	18180	<5	<0.2	1.28	10	75	<5	0.20	<1	16	45	29	3.04	20	0.54	242	<1	0.01	23	330	10	<5	<20	13	0.08	<10	15	<10	4	75
12	18181	<5	<0.2	1.07	<5	60	<5	0.23	<1	18	41	112	3.15	<10	0.53	229	3	<0.01	27	250	12	<5	<20	8	0.04	<10	12	<10	9	55
13	18182	5	<0.2	1.17	<5	55	<5	0.77	<1	12	65	108	3.05	10	0.64	319	3	0.01	19	330	138	<5	<20	16	0.05	<10	16	<10	16	63
14	18183	<5	<0.2	1.40	5	90	10	0.45	<1	15	44	28	3.30	30	0.62	277	1	<0.01	20	450	16	<5	<20	20	0.12	<10	17	<10	13	79
15	18184	10	<0.2	1.51	<5	100	5	0.66	<1	13	69	28	2.96	20	0.95	431	<1	0.02	18	400	18	<5	<20	17	0.08	<10	19	<10	19	74
16	18185	<5	<0.2	0.97	30	65	<5	0.21	<1	13	47	34	2.53	20	0.39	188	<1	<0.01	19	250	10	<5	<20	8	0.07	<10	11	<10	6	58
17	18186	<5	<0.2	1.03	<5	85	<5	0.17	<1	10	48	5	2.08	40	0.43	226	<1	<0.01	14	190	16	<5	<20	10	0.10	<10	7	<10	18	57
18	18187	<5	<0.2	1.61	<5	85	5	0.58	<1	11	85	27	2.81	10	1.15	555	<1	0.04	17	460	62	10	<20	16	0.11	<10	28	<10	17	101
19	18188	<5	<0.2	1.58	<5	85	5	0.43	<1	13	78	28	3.02	10	1.20	494	1	0.04	17	470	56	5	<20	23	0.12	<10	27	<10	17	95
20	18189	<5	<0.2	1.50	<5	85	10	0.52	<1	14	88	30	3.19	20	1.05	512	2	0.03	18	440	20	5	<20	14	0.13	<10	27	<10	20	77
21	18190	<5	<0.2	1.23	<5	90	<5	0.40	<1	14	75	32	3.08	20	0.65	380	<1	0.01	21	350	12	<5	<20	13	0.10	<10	17	<10	19	64
22	18191	<5	<0.2	1.20	<5	95	5	0.16	<1	13	78	17	2.71	30	0.46	249	<1	0.01	19	270	8	<5	<20	12	0.12	<10	15	<10	12	65
23	18192	<5	<0.2	1.21	<5	95	5	0.29	<1	13	70	24	2.77	30	0.48	300	<1	0.01	18	280	10	<5	<20	30	0.12	<10	16	<10	13	67
24	18193	<5	<0.2	1.30	5	105	<5	0.21	<1	14	55	20	2.91	40	0.51	279	<1	<0.01	18	530	10	<5	<20	7	0.12	<10	14	<10	20	72
25	18194	<5	<0.2	1.58	<5	125	<5	0.39	<1	16	67	37	3.58	20	0.89	480	2	0.02	21	430	32	<5	<20	6	0.12	<10	25	<10	20	79

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	18195	<5	<0.2	1.35	<5	100	10	0.18	<1	16	68	45	3.28	30	0.53	273	<1	0.01	22	280	12	<5	<20	8	0.13	<10	18	<10	10	74
27	18196	<5	<0.2	1.38	<5	110	10	0.18	<1	15	51	27	3.08	30	0.57	305	<1	<0.01	20	440	16	<5	<20	9	0.14	<10	15	<10	19	76
28	18197	<5	<0.2	0.88	<5	85	5	0.19	<1	10	112	11	2.08	10	0.34	222	1	0.02	13	530	10	<5	<20	4	0.12	<10	17	<10	13	48
29	18198	<5	<0.2	1.36	<5	130	10	0.37	<1	14	72	41	3.27	20	0.65	383	<1	0.01	19	440	38	<5	<20	12	0.11	<10	19	<10	15	74
30	18199	<5	<0.2	0.93	<5	95	10	0.16	<1	10	98	5	2.06	30	0.32	225	<1	0.02	12	310	16	<5	<20	3	0.11	<10	11	<10	12	52
31	18200	<5	<0.2	1.20	<5	110	<5	0.21	<1	15	58	32	2.79	30	0.44	248	<1	<0.01	17	380	12	<5	<20	5	0.14	<10	13	<10	8	67
32	18201	5	<0.2	1.43	5	115	10	0.25	<1	14	59	23	3.03	30	0.52	313	<1	0.02	17	370	10	<5	<20	5	0.14	<10	16	<10	15	70
33	18202	5	<0.2	1.29	330	110	10	0.36	<1	13	63	17	2.81	20	0.49	353	<1	0.02	15	280	104	<5	<20	7	0.13	<10	16	<10	12	67
34	18203	<5	<0.2	1.39	<5	130	10	0.17	<1	14	53	21	3.07	30	0.51	299	<1	0.01	17	360	14	<5	<20	4	0.15	<10	15	<10	16	75
35	18204	<5	<0.2	1.15	<5	100	5	0.10	<1	15	57	31	2.78	20	0.44	220	<1	0.01	19	300	12	<5	<20	2	0.12	<10	14	<10	8	63
36	18205	<5	<0.2	1.36	45	95	5	0.18	<1	15	74	25	3.07	20	0.54	296	<1	0.01	19	230	18	<5	<20	6	0.12	<10	18	<10	10	74
37	18206	<5	<0.2	1.32	10	85	15	0.22	<1	15	66	27	2.98	20	0.52	324	<1	0.01	18	250	10	<5	<20	3	0.13	<10	17	<10	15	68
38	18207	<5	<0.2	1.40	<5	100	10	0.16	<1	16	71	20	3.17	30	0.57	338	<1	0.01	21	300	10	<5	<20	2	0.14	<10	19	<10	18	74
39	18208	<5	<0.2	1.35	15	90	10	0.40	<1	14	87	31	3.05	20	0.65	452	1	0.01	20	350	14	<5	<20	6	0.10	<10	17	<10	16	77
40	18209	<5	<0.2	1.30	<5	95	5	0.33	<1	11	80	21	2.74	30	0.71	505	1	0.01	19	420	10	<5	<20	4	0.10	<10	17	<10	29	66
41	18210	<5	<0.2	1.48	<5	55	10	0.46	1	14	95	29	3.10	20	1.08	557	<1	0.03	18	490	60	10	<20	4	0.13	<10	33	<10	19	91
42	18211	<5	<0.2	1.31	10	80	10	0.18	<1	15	59	14	3.03	10	0.62	287	<1	0.01	20	240	10	<5	<20	2	0.11	<10	16	<10	5	73
43	18212	<5	<0.2	1.31	20	75	10	0.35	<1	13	80	31	3.11	20	0.57	361	2	0.01	18	310	10	<5	<20	12	0.09	<10	17	<10	17	63
44	18213	<5	<0.2	1.15	<5	65	5	0.34	<1	13	68	23	2.79	20	0.54	327	<1	0.01	17	390	10	<5	<20	7	0.08	<10	14	<10	15	61
45	18214	<5	<0.2	1.31	<5	85	<5	0.58	<1	16	74	51	3.31	20	0.63	420	3	0.01	19	500	14	<5	<20	9	0.10	<10	15	<10	21	63
46	18215	10	>30	0.61	260	15	285	1.58	620	137	84	147	4.70	<10	0.32	453	<1	<0.01	33	180	>10000	<5	<20	32	0.06	<10	41	<10	<1	>10000
47	18216	45	0.8	0.65	5515	55	30	1.45	<1	58	79	55	2.23	<10	0.28	210	3	0.02	18	370	182	<5	<20	18	0.02	<10	10	<10	12	208
48	18217	10	1.4	0.82	65	35	10	1.07	56	15	77	50	2.23	<10	0.46	350	<1	0.01	14	260	2940	<5	<20	17	0.03	<10	10	<10	11	>10000
49	18218	10	<0.2	1.40	20	35	<5	1.70	1	11	77	34	2.79	<10	0.99	523	2	0.02	16	470	170	5	<20	30	0.04	<10	18	<10	19	366
50	18219	5	<0.2	1.22	220	25	<5	1.47	2	14	79	44	2.79	10	0.86	414	1	0.01	18	290	662	5	<20	50	0.06	<10	34	<10	15	476
51	18220	25	4.8	0.95	25	35	20	4.56	327	50	59	70	4.06	<10	0.62	711	<1	<0.01	18	300	>10000	<5	<20	97	0.04	<10	31	<10	<1	>10000
52	18221	5	<0.2	1.84	25	30	<5	4.69	2	21	56	122	3.90	<10	1.37	788	<1	0.01	22	400	296	5	<20	106	0.12	<10	101	<10	21	566
53	18222	<5	<0.2	2.39	200	25	5	5.82	<1	34	58	132	5.46	<10	1.92	951	<1	0.01	37	400	156	10	<20	165	0.14	<10	179	<10	16	163
54	18223	<5	<0.2	1.29	<5	80	10	0.35	<1	15	68	42	3.31	<10	1.06	467	2	0.02	19	510	38	5	<20	9	0.10	<10	23	<10	23	154
55	18224	<5	<0.2	1.23	<5	90	<5	0.39	<1	14	85	39	3.38	<10	0.93	440	2	0.03	19	540	40	<5	<20	7	0.09	<10	19	<10	25	161
56	18225	<5	<0.2	1.21	<5	75	10	0.34	<1	15	68	32	3.11	10	0.88	499	2	0.02	18	620	50	5	<20	5	0.09	<10	18	<10	22	177
57	18226	<5	<0.2	1.25	<5	85	<5	0.50	<1	16	73	44	3.47	10	0.89	493	3	0.02	22	460	52	<5	<20	8	0.10	<10	19	<10	25	126
58	18227	<5	<0.2	1.26	<5	80	<5	0.39	<1	13	70	28	2.95	10	0.91	487	1	0.02	18	460	28	10	<20	7	0.10	<10	20	<10	22	92
59	18228	<5	<0.2	1.07	30	70	5	0.47	<1	13	83	39	2.89	10	0.60	384	3	0.03	17	420	10	<5	<20	5	0.07	<10	15	<10	17	54
60	18229	<5	<0.2	1.21	<5	80	10	0.37	<1	13	73	33	2.83	10	0.78	474	2	0.02	16	410	14	<5	<20	10	0.10	<10	19	<10	21	89

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	18230	<5	<0.2	1.36	<5	95	5	0.40	<1	13	93	27	2.83	10	0.91	473	<1	0.03	16	450	22	5	<20	13	0.12	<10	22	<10	22	64
62	18231	<5	<0.2	1.20	<5	90	5	0.49	<1	11	86	17	2.61	10	0.76	473	<1	0.03	12	530	20	<5	<20	7	0.11	<10	24	<10	22	65
63	18232	10	<0.2	1.56	<5	110	10	0.57	<1	14	96	32	2.75	<10	1.30	493	3	0.02	17	540	34	5	<20	18	0.11	<10	19	<10	14	106
64	18233	<5	<0.2	1.44	<5	90	5	1.28	<1	13	85	33	3.00	<10	1.01	603	<1	0.03	15	580	20	10	<20	57	0.10	<10	27	<10	18	71
65	18234	<5	<0.2	1.16	<5	60	10	0.44	<1	13	106	41	2.77	<10	0.84	464	3	0.03	18	500	22	5	<20	6	0.10	<10	28	<10	20	81
66	18235	<5	<0.2	1.03	<5	60	<5	0.40	<1	14	79	57	2.80	<10	0.70	404	2	0.02	18	460	40	5	<20	5	0.08	<10	18	<10	19	84
67	18236	<5	<0.2	1.54	5	100	10	0.87	<1	14	112	35	3.17	<10	1.07	563	3	0.03	17	470	40	<5	<20	15	0.11	<10	24	<10	17	277
68	18237	<5	<0.2	1.16	<5	75	5	0.35	<1	13	80	39	2.75	10	0.75	435	3	0.02	16	420	48	5	<20	2	0.10	<10	21	<10	17	80
69	18238	<5	<0.2	1.98	<5	65	10	1.27	<1	15	108	41	3.18	<10	1.75	604	1	0.04	20	520	40	10	<20	36	0.11	<10	31	<10	14	95
70	18239	10	<0.2	0.96	<5	65	<5	0.32	<1	12	72	44	2.63	20	0.52	347	2	0.01	17	310	14	<5	<20	3	0.08	<10	10	<10	18	49
71	18240	5	<0.2	1.36	<5	105	<5	0.30	<1	11	102	38	2.86	20	0.79	494	2	0.03	16	430	18	<5	<20	4	0.11	<10	20	<10	19	62
72	18241	5	<0.2	1.63	10	115	5	0.33	<1	13	118	41	3.03	20	1.09	532	2	0.05	17	410	14	5	<20	7	0.14	<10	30	<10	20	83
73	18242	5	<0.2	2.01	<5	230	10	0.30	<1	12	112	39	3.40	10	1.35	634	<1	0.06	18	490	18	10	<20	8	0.16	<10	38	<10	21	107
74	18243	<5	<0.2	0.84	<5	80	<5	0.23	<1	8	115	20	1.69	10	0.43	292	2	0.02	14	250	14	<5	<20	1	0.08	<10	9	<10	20	42
75	18244	5	<0.2	1.31	<5	110	5	0.29	<1	13	112	44	2.85	10	0.77	492	<1	0.04	15	290	18	<5	<20	3	0.12	<10	24	<10	15	82
76	18245	5	<0.2	1.83	30	135	10	0.50	<1	16	123	48	3.58	20	1.08	619	3	0.06	19	550	30	<5	<20	5	0.16	<10	37	<10	22	89
77	18246	<5	<0.2	1.31	<5	105	5	0.36	<1	15	73	57	3.33	20	0.68	462	<1	0.02	20	300	16	<5	<20	2	0.12	<10	19	<10	17	65
78	18247	10	<0.2	1.45	<5	110	10	0.32	<1	11	111	21	2.93	20	0.80	514	3	0.04	18	520	12	5	<20	2	0.12	<10	22	<10	20	63
79	18248	10	<0.2	1.16	<5	95	5	0.20	<1	15	73	66	3.24	20	0.63	378	2	0.02	21	360	10	<5	<20	<1	0.10	<10	14	<10	17	48
80	18249	<5	<0.2	1.41	<5	110	10	0.46	<1	14	92	46	3.07	20	0.85	478	<1	0.03	17	430	18	5	<20	6	0.12	<10	21	<10	20	73
81	18250	<5	<0.2	1.79	<5	150	10	0.34	<1	12	116	11	3.22	10	0.96	569	<1	0.06	14	500	12	<5	<20	7	0.15	<10	30	<10	20	93
82	18251	<5	<0.2	1.92	<5	185	15	0.47	<1	11	131	6	3.33	<10	1.15	682	<1	0.05	16	590	12	<5	<20	8	0.16	<10	31	<10	25	135
83	18252	<5	<0.2	1.64	<5	90	10	0.53	<1	12	86	18	3.11	10	1.04	575	<1	0.03	16	500	16	5	<20	7	0.13	<10	29	<10	21	116
84	18253	<5	<0.2	1.63	10	120	5	0.51	<1	12	93	29	3.20	10	0.89	586	1	0.04	15	480	16	<5	<20	8	0.13	<10	27	<10	19	93
85	18254	<5	<0.2	1.39	25	105	10	0.38	<1	14	65	24	2.96	20	0.63	540	<1	0.02	16	340	14	<5	<20	9	0.12	<10	16	<10	16	57
86	18255	<5	<0.2	1.49	10	120	5	0.35	<1	15	76	46	3.46	20	0.65	578	<1	0.02	20	410	12	<5	<20	1	0.14	<10	19	<10	17	72
87	18256	<5	<0.2	1.35	15	115	15	0.82	<1	12	77	27	2.87	10	0.71	519	<1	0.02	16	480	18	<5	<20	12	0.15	<10	18	<10	17	80
88	18257	<5	<0.2	1.70	10	180	<5	0.32	<1	19	111	91	3.94	<10	1.01	512	2	0.03	19	630	14	<5	<20	<1	0.14	<10	30	<10	10	67
89	18258	10	<0.2	2.06	<5	190	15	0.30	<1	12	90	26	3.99	<10	1.27	665	<1	0.02	16	560	38	5	<20	3	0.15	<10	37	<10	13	91
90	18259	<5	<0.2	1.93	<5	210	15	0.60	<1	15	114	50	3.98	<10	1.15	766	1	0.03	17	610	40	<5	<20	4	0.15	<10	32	20	17	135
91	18260	15	<0.2	1.43	<5	110	10	0.31	<1	12	87	24	2.93	<10	0.83	535	<1	0.02	17	460	38	<5	<20	2	0.13	<10	24	<10	13	80
92	18261	5	<0.2	1.89	10	165	15	0.56	<1	15	118	36	4.03	<10	1.05	683	2	0.03	18	570	22	<5	<20	5	0.15	<10	34	<10	19	129
93	18262	5	<0.2	2.37	<5	190	15	0.31	<1	25	85	55	6.03	<10	1.02	658	<1	0.03	10	580	16	<5	<20	6	0.21	<10	112	<10	12	108
94	18263	10	<0.2	1.55	<5	115	5	0.26	<1	12	109	32	3.33	<10	0.86	520	<1	0.03	16	460	28	<5	<20	<1	0.14	<10	28	<10	14	79
95	18264	10	<0.2	1.76	<5	150	10	0.27	<1	13	88	43	3.74	<10	1.03	578	<1	0.02	14	510	26	<5	<20	2	0.14	<10	33	<10	12	85

28-Aug-00

## ICP CERTIFICATE OF ANALYSIS AK 2000-242

RIO ALGOM EXPLORATION 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
96	18265	5	<0.2	1.88	<5	155	10	0.29	<1	17	107	62	4.05	<10	1.20	649	2	0.03	21	570	28	<5	<20	3	0.15	<10	32	<10	15	109
97	18266	5	<0.2	1.58	<5	85	10	0.44	<1	17	77	42	3.74	<10	1.04	638	<1	0.02	16	500	34	<5	<20	5	0.13	<10	41	<10	14	109
98	18267	5	<0.2	1.49	<5	115	10	0.47	<1	12	90	16	2.98	<10	0.93	498	<1	0.02	17	580	30	5	<20	2	0.13	<10	25	<10	16	68
99	18268	5	<0.2	2.09	<5	205	10	0.41	<1	21	73	41	5.03	<10	1.17	671	<1	0.02	14	560	20	<5	<20	2	0.16	<10	59	<10	9	127
100	18269	<5	<0.2	2.59	<5	195	15	0.38	<1	30	78	55	6.03	<10	1.55	857	<1	0.01	11	530	20	<5	<20	1	0.17	<10	101	<10	4	116
101	18270	<5	<0.2	3.08	<5	145	15	1.44	<1	29	58	59	6.87	<10	1.83	1169	1	<0.01	5	500	16	<5	<20	9	0.13	<10	132	<10	<1	133
102	18271	20	<0.2	2.22	<5	255	20	0.46	<1	17	112	34	4.49	<10	1.20	660	2	0.04	18	520	16	5	<20	9	0.14	<10	44	<10	11	116
103	18272	<5	<0.2	1.96	<5	150	15	0.53	<1	16	82	43	4.37	<10	1.25	792	<1	0.02	16	570	28	<5	<20	3	0.14	<10	49	<10	19	136

## QC DATA:

## Resplit:

1	18170	<5	<0.2	1.44	<5	130	10	0.19	<1	14	68	33	3.28	20	0.86	440	<1	0.02	18	410	14	<5	<20	4	0.11	<10	16	<10	19	79
36	18205	<5	<0.2	1.33	60	90	10	0.18	<1	16	66	25	3.14	30	0.53	297	<1	0.01	21	250	16	<5	<20	4	0.12	<10	17	<10	10	74
71	18240	<5	<0.2	1.25	<5	95	5	0.29	<1	11	107	36	2.84	20	0.75	488	<1	0.02	17	450	18	<5	<20	2	0.11	<10	19	<10	19	62

## Repeat:

1	18170	<5	<0.2	1.37	<5	120	5	0.19	<1	14	62	36	3.24	20	0.86	432	<1	0.02	19	400	14	5	<20	3	0.10	<10	15	<10	18	76
10	18179	<5	<0.2	1.25	<5	90	5	0.20	<1	16	56	45	3.29	30	0.58	309	<1	0.01	21	300	18	<5	<20	8	0.12	<10	15	<10	17	76
19	18188	<5	<0.2	1.57	<5	85	<5	0.44	<1	14	79	28	3.05	10	1.19	496	<1	0.04	18	470	58	10	<20	26	0.12	<10	27	<10	17	98
36	18205	<5	<0.2	1.35	50	90	5	0.18	<1	17	74	25	3.05	20	0.53	291	<1	0.01	20	230	16	<5	<20	4	0.12	<10	18	<10	10	72
45	18214	<5	<0.2	1.28	<5	80	5	0.57	<1	16	72	49	3.26	20	0.61	411	3	0.01	19	500	14	<5	<20	7	0.09	<10	15	<10	20	62
54	18223	<5	<0.2	1.23	<5	75	5	0.34	<1	14	65	39	3.15	<10	1.00	443	2	0.02	19	490	36	10	<20	8	0.09	<10	22	<10	22	149
71	18240	5	<0.2	1.33	<5	100	<5	0.30	<1	11	101	37	2.85	20	0.78	491	1	0.03	15	430	18	<5	<20	2	0.11	<10	20	<10	19	62
80	18249	<5	<0.2	1.34	<5	110	5	0.46	<1	14	91	45	3.05	10	0.82	472	<1	0.02	18	440	18	<5	<20	5	0.12	<10	21	<10	20	74
89	18258	10	<0.2	1.92	<5	175	5	0.29	<1	12	84	24	3.73	<10	1.18	622	<1	0.02	15	530	34	<5	<20	<1	0.16	<10	34	<10	13	85


## Standard:

GEO'00	120	1.0	1.62	60	145	<5	1.49	<1	18	53	86	3.44	<10	0.89	657	<1	0.02	25	700	18	5	<20	53	0.09	<10	70	<10	10	72
GEO'00	115	1.2	1.60	60	145	10	1.47	<1	18	53	83	3.46	<10	0.87	655	<1	0.01	25	700	20	5	<20	50	0.09	<10	70	<10	9	71
GEO'00	115	1.2	1.56	55	145	10	1.49	<1	18	53	81	3.45	<10	0.85	649	<1	0.01	26	720	22	10	<20	50	0.09	<10	68	<10	9	73

df/242a

XLS/00

Fax. 604-669-0447

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

28-Sep-00

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

ICP CERTIFICATE OF ANALYSIS AK 2000-298

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

→ *CON*  
*SEE 2000*

*PP-00-02*

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

ATTENTION: SIG WEIDNER

No. of samples received: 120  
Sample type: Cong  
Project #: 9903  
Shipment #: None Given  
Samples submitted by: Pat Donnelly

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Tl %	U	V	W	Y	Zn
1	18301	<5	<0.2	1.32	<5	100	<5	0.43	<1	11	104	4	2.59	20	0.53	341	<1	0.02	16	220	6	<5	<20	15	0.20	<10	17	<10	13	47
2	18302	15	<0.2	1.45	<5	115	<5	0.18	<1	16	61	38	3.49	30	0.57	342	<1	0.02	22	450	10	<5	<20	3	0.41	<10	22	<10	23	57
3	18303	15	<0.2	0.79	<5	50	<5	0.53	<1	7	112	8	1.50	10	0.30	323	<1	0.02	8	210	8	<5	<20	12	0.23	<10	15	<10	22	29
4	18304	10	<0.2	1.01	<5	70	<5	0.25	<1	13	79	34	2.72	20	0.62	300	2	0.02	17	460	8	<5	<20	4	0.21	<10	17	<10	23	41
5	18305	5	<0.2	0.33	<5	20	<5	0.40	<1	3	124	7	0.78	10	0.11	163	1	0.02	6	100	6	<5	<20	7	0.10	<10	8	<10	13	16
6	18306	5	<0.2	0.64	25	55	<5	0.45	<1	6	105	8	1.64	10	0.27	281	2	0.03	8	140	6	<5	<20	11	0.09	<10	9	<10	8	33
7	18307	10	<0.2	0.56	60	75	<5	2.61	<1	8	15	13	2.20	<10	0.65	1348	1	0.02	18	450	34	5	<20	127	0.01	<10	4	<10	8	36
8	18308	<5	<0.2	1.26	<5	125	5	0.27	<1	15	63	30	3.12	20	0.48	245	<1	0.02	23	610	8	<5	<20	15	0.26	<10	16	<10	6	71
9	18309	5	<0.2	1.25	<5	125	<5	0.23	<1	15	50	34	3.20	20	0.52	277	<1	0.02	22	380	12	<5	<20	15	0.25	<10	17	<10	5	89
10	18310	<5	<0.2	0.39	<5	40	<5	0.65	<1	5	110	6	1.36	20	0.20	311	2	0.03	6	110	10	<5	<20	31	0.02	<10	4	<10	9	20
11	18311	<5	<0.2	0.86	15	85	<5	0.21	<1	11	64	33	2.73	20	0.40	213	3	0.02	17	260	18	<5	<20	16	0.02	<10	11	<10	<1	91
12	18312	10	<0.2	1.17	10	100	<5	0.37	<1	13	54	32	3.08	<10	0.53	304	<1	0.02	18	350	14	<5	<20	19	0.17	<10	14	<10	3	65
13	18313	5	<0.2	1.27	<5	135	5	0.31	<1	21	145	47	3.03	20	0.48	340	<1	0.04	29	420	34	<5	<20	9	0.36	<10	26	<10	18	75
14	18314	<5	<0.2	1.08	<5	115	<5	0.36	<1	16	96	19	2.37	20	0.42	303	<1	0.03	20	850	28	<5	<20	8	0.36	<10	25	<10	28	63
15	18315	5	<0.2	1.00	<5	110	<5	0.29	<1	10	100	13	2.19	20	0.42	298	<1	0.03	13	200	14	<5	<20	7	0.37	<10	23	<10	19	55
16	18316	5	<0.2	1.38	<5	135	<5	0.36	<1	39	177	132	4.52	20	0.50	294	2	0.03	61	940	24	<5	<20	7	0.32	<10	20	<10	17	67
17	18317	<5	<0.2	1.29	<5	120	<5	0.28	<1	13	92	24	2.95	10	0.56	360	<1	0.03	18	600	20	<5	<20	4	0.40	<10	24	<10	19	76
18	18318	<5	<0.2	1.33	<5	155	5	0.17	<1	15	48	17	2.81	30	0.50	358	<1	0.02	22	400	20	<5	<20	2	0.46	<10	17	<10	29	66
19	18319	<5	<0.2	1.11	<5	115	5	0.33	<1	12	152	17	2.48	10	0.45	355	<1	0.03	15	200	20	<5	<20	7	0.21	<10	12	<10	18	61
20	18320	5	<0.2	0.81	<5	85	<5	0.23	<1	8	118	6	1.69	20	0.30	244	<1	0.02	10	170	20	<5	<20	4	0.32	<10	14	<10	21	45
21	18321	<5	<0.2	0.92	<5	85	<5	0.28	<1	10	207	16	2.15	10	0.37	299	2	0.05	13	160	22	<5	<20	6	0.18	<10	14	<10	15	61
22	18322	<5	<0.2	1.32	<5	125	<5	0.15	<1	15	83	21	2.92	20	0.54	284	<1	0.02	20	290	24	<5	<20	3	0.24	<10	13	<10	20	72
23	18323	5	<0.2	1.28	<5	120	5	0.13	<1	13	94	19	2.86	20	0.53	290	<1	0.02	18	250	16	<5	<20	3	0.41	<10	19	<10	17	71
24	18324	5	<0.2	1.18	<5	100	<5	0.17	<1	15	126	38	3.08	<10	0.53	361	<1	0.04	22	180	22	<5	<20	5	0.41	<10	24	<10	13	99
25	18325	5	<0.2	1.47	<5	135	5	0.12	<1	15	72	22	3.20	20	0.60	296	<1	0.02	20	330	16	<5	<20	3	0.28	<10	12	<10	18	81



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
26	18326	5	<0.2	1.07	<5	95	<5	0.28	<1	11	105	18	2.46	10	0.47	323	<1	0.04	15	200	20	<5	<20	5	0.20	<10	16	<10	12	65
27	18327	<5	<0.2	1.30	<5	150	<5	0.17	<1	12	88	17	2.83	20	0.56	333	<1	0.03	18	240	20	<5	<20	3	0.26	<10	19	<10	20	76
28	18328	<5	<0.2	1.19	<5	100	<5	0.24	<1	12	75	22	2.80	20	0.54	360	<1	0.02	18	220	20	<5	<20	5	0.39	<10	18	<10	19	77
29	18329	5	<0.2	1.21	<5	95	5	0.27	<1	14	82	24	2.84	20	0.53	330	<1	0.02	20	240	20	<5	<20	5	0.35	<10	17	<10	17	76
30	18330	<5	<0.2	1.22	<5	95	<5	0.29	<1	13	84	19	2.88	20	0.52	430	<1	0.02	15	230	22	<5	<20	5	0.20	<10	11	<10	21	79
31	18331	5	<0.2	1.31	<5	105	5	0.17	<1	15	70	30	3.22	20	0.58	392	<1	0.02	22	290	20	<5	<20	2	0.19	<10	12	<10	20	85
32	18332	5	<0.2	1.49	<5	110	<5	0.37	<1	17	58	38	3.63	20	0.65	376	<1	0.02	23	340	34	<5	<20	8	0.19	<10	13	<10	26	95
33	18333	<5	<0.2	1.27	<5	85	<5	0.26	<1	14	60	27	3.15	20	0.55	365	<1	0.02	18	430	22	<5	<20	6	0.32	<10	19	<10	29	82
34	18334	<5	<0.2	0.88	<5	75	<5	0.43	<1	8	97	9	1.94	20	0.33	309	<1	0.02	11	220	22	<5	<20	8	0.13	<10	11	<10	34	58
35	18335	5	<0.2	0.64	<5	35	<5	0.84	<1	8	115	18	1.47	10	0.25	255	1	0.02	9	250	14	<5	<20	13	0.10	<10	8	<10	31	46
36	18336	10	<0.2	0.83	<5	70	<5	0.31	<1	8	95	9	1.85	20	0.30	283	<1	0.02	11	210	22	<5	<20	11	0.08	<10	11	<10	28	49
37	18337	10	<0.2	0.74	<5	60	<5	0.57	<1	7	79	6	1.63	20	0.27	268	<1	0.02	9	190	32	<5	<20	12	0.12	<10	10	<10	31	42
38	18338	10	<0.2	0.63	<5	45	<5	0.31	<1	6	75	7	1.40	30	0.21	221	<1	0.02	10	160	22	<5	<20	10	0.05	<10	8	<10	33	33
39	18339	10	<0.2	0.82	<5	60	<5	0.56	<1	10	80	12	1.85	10	0.29	278	<1	0.02	14	230	28	<5	<20	11	0.15	<10	9	<10	22	50
40	18340	10	<0.2	0.87	<5	55	<5	0.77	<1	9	71	8	1.82	10	0.33	331	<1	0.02	9	230	36	<5	<20	13	0.15	<10	8	<10	20	55
41	18341	10	<0.2	0.91	<5	50	<5	0.78	<1	10	91	14	1.88	10	0.34	348	<1	0.03	12	200	26	<5	<20	15	0.14	<10	8	<10	21	57
42	18342	10	<0.2	0.75	<5	50	<5	0.42	<1	8	77	8	1.60	10	0.28	273	<1	0.02	9	220	28	<5	<20	7	0.12	<10	8	<10	21	44
43	18343	10	<0.2	0.77	<5	45	<5	0.47	<1	9	83	11	1.80	10	0.31	288	<1	0.02	11	170	16	<5	<20	13	0.09	<10	9	<10	16	46
44	18344	10	<0.2	0.71	<5	45	<5	0.60	<1	7	88	10	1.50	10	0.28	262	<1	0.03	10	170	26	<5	<20	12	0.11	<10	8	<10	18	45
45	18345	5	<0.2	0.78	<5	80	<5	0.34	<1	8	95	7	1.64	10	0.29	265	<1	0.03	10	170	30	<5	<20	8	0.12	<10	11	<10	17	52
46	18346	10	<0.2	0.86	<5	70	<5	0.27	<1	9	80	11	2.00	20	0.33	315	<1	0.02	12	210	20	<5	<20	7	0.27	<10	13	<10	21	57
47	18347	5	<0.2	1.21	<5	100	<5	0.26	<1	13	76	24	2.85	10	0.49	346	<1	0.02	19	270	22	<5	<20	6	0.17	<10	12	<10	20	78
48	18348	10	<0.2	1.27	<5	90	<5	0.28	<1	19	59	49	3.52	10	0.54	292	3	0.01	25	310	26	<5	<20	9	0.11	<10	12	<10	7	86
49	18349	10	<0.2	1.04	<5	80	<5	0.61	<1	10	93	16	2.30	10	0.42	347	1	0.02	13	250	22	<5	<20	12	0.12	<10	11	<10	22	67
50	18350	5	<0.2	1.14	<5	110	<5	0.22	<1	12	99	20	2.69	10	0.46	352	<1	0.02	18	240	34	<5	<20	5	0.15	<10	11	<10	19	79
51	92551	5	<0.2	0.97	<5	90	<5	0.30	<1	12	82	25	2.39	10	0.40	284	2	0.02	17	290	32	<5	<20	7	0.12	<10	10	<10	16	66
52	92552	10	<0.2	0.92	<5	80	<5	0.32	<1	10	93	15	1.99	10	0.34	262	<1	0.02	12	190	24	<5	<20	5	0.30	<10	13	<10	23	59
53	92553	10	<0.2	0.62	<5	50	<5	0.63	<1	6	105	9	1.30	10	0.24	255	<1	0.03	7	140	26	<5	<20	10	0.24	<10	16	<10	17	42
54	92554	5	<0.2	0.85	<5	80	<5	0.26	<1	9	93	14	1.92	20	0.31	247	<1	0.02	13	270	20	<5	<20	4	0.30	<10	13	<10	21	55
55	92555	5	<0.2	0.84	<5	70	<5	0.54	<1	7	92	8	1.71	10	0.30	264	<1	0.03	10	160	22	<5	<20	8	0.11	<10	10	<10	18	53
56	92556	5	<0.2	0.75	<5	50	<5	0.49	<1	7	109	9	1.74	10	0.29	275	1	0.02	11	180	28	<5	<20	8	0.09	<10	10	<10	19	51
57	92557	10	<0.2	1.29	<5	100	<5	0.13	<1	16	50	31	3.24	20	0.52	278	<1	0.01	20	320	18	<5	<20	5	0.36	<10	17	<10	22	84
58	92558	5	<0.2	1.15	<5	90	<5	0.21	<1	13	87	24	2.80	20	0.46	282	<1	0.02	16	280	18	<5	<20	5	0.13	<10	11	<10	21	78
59	92559	5	<0.2	1.08	<5	100	<5	0.24	<1	12	90	22	2.50	10	0.41	306	<1	0.02	16	240	28	<5	<20	7	0.33	<10	16	<10	29	73
60	92560	<5	<0.2	1.10	<5	95	<5	0.20	<1	12	73	21	2.59	10	0.43	350	<1	0.02	17	260	26	<5	<20	3	0.15	<10	11	<10	24	71

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	92561	10	<0.2	0.89	<5	80	<5	0.36	<1	9	96	11	1.93	20	0.33	323	<1	0.03	12	210	26	<5	<20	7	0.15	<10	12	<10	22	56
62	92562	<5	<0.2	0.90	<5	75	10	0.28	<1	9	104	9	2.00	20	0.33	291	<1	0.02	13	200	24	<5	<20	4	0.12	<10	8	<10	21	64
63	92563	5	<0.2	1.13	<5	110	<5	0.34	<1	12	67	25	2.66	10	0.44	295	<1	0.02	18	290	20	<5	<20	7	0.12	<10	8	<10	14	77
64	92564	5	<0.2	1.00	<5	90	<5	0.36	<1	16	93	30	2.34	20	0.36	292	<1	0.02	17	250	30	<5	<20	8	0.30	<10	17	<10	17	64
65	92565	5	<0.2	1.09	5	95	<5	0.17	<1	13	72	17	2.52	10	0.42	326	<1	0.02	16	240	34	<5	<20	3	0.16	<10	8	<10	18	73
66	92566	5	<0.2	1.01	<5	95	<5	0.25	<1	11	86	13	2.26	10	0.37	324	<1	0.02	15	230	28	<5	<20	6	0.15	<10	9	<10	20	68
67	92567	10	<0.2	1.11	<5	100	<5	0.20	<1	12	75	16	2.56	10	0.43	314	<1	0.02	16	240	26	<5	<20	3	0.17	<10	9	<10	17	77
68	92568	10	<0.2	1.21	<5	115	<5	0.22	<1	15	75	35	3.10	10	0.46	322	<1	0.02	20	250	26	<5	<20	5	0.16	<10	9	<10	17	94
69	92569	<5	<0.2	1.15	<5	105	<5	0.31	<1	12	71	22	2.73	10	0.43	330	<1	0.02	16	370	18	<5	<20	5	0.13	<10	9	<10	17	81
70	92570	5	<0.2	0.87	<5	70	<5	0.38	<1	8	102	7	1.80	20	0.29	266	<1	0.03	13	200	20	<5	<20	5	0.32	<10	14	<10	22	60
71	92571	<5	<0.2	0.81	<5	85	<5	0.26	<1	8	93	45	1.77	20	0.29	262	3	0.02	10	180	38	<5	<20	8	0.05	<10	<1	<10	22	60
72	92572	<5	<0.2	0.85	<5	75	<5	0.37	<1	10	94	21	2.01	10	0.32	259	<1	0.02	14	210	36	<5	<20	5	0.25	<10	15	<10	21	67
73	92573	<5	<0.2	1.40	<5	130	<5	0.12	<1	14	71	13	2.99	20	0.56	268	<1	0.02	20	330	30	<5	<20	4	0.43	<10	22	<10	17	84
74	92574	5	<0.2	1.17	<5	95	5	0.36	<1	11	84	12	2.46	10	0.48	316	2	0.03	15	260	84	<5	<20	8	0.32	<10	18	<10	19	92
75	92575	<5	<0.2	0.59	<5	40	<5	0.42	<1	6	104	10	1.39	20	0.22	220	<1	0.02	8	140	38	<5	<20	6	0.10	<10	9	<10	19	47
76	92576	<5	<0.2	0.71	<5	65	<5	0.23	<1	7	109	6	1.57	20	0.25	210	<1	0.02	10	170	34	<5	<20	5	0.18	<10	10	<10	21	57
77	92577	<5	<0.2	1.04	<5	70	<5	0.66	<1	7	87	2	2.14	20	0.41	371	<1	0.03	10	210	42	<5	<20	11	0.22	<10	17	<10	28	83
78	92578	<5	<0.2	0.73	<5	60	<5	0.97	<1	5	156	5	1.77	<10	0.32	452	2	0.02	9	100	24	<5	<20	16	0.14	<10	16	<10	17	68
79	92579	<5	<0.2	0.74	<5	65	<5	0.27	<1	8	99	8	1.76	30	0.26	285	1	0.02	12	220	20	<5	<20	6	0.08	<10	9	<10	36	56
80	92580	<5	<0.2	1.00	<5	95	<5	0.31	<1	9	103	9	2.17	20	0.34	309	<1	0.02	14	250	24	<5	<20	7	0.28	<10	16	<10	37	74
81	92581	5	<0.2	1.03	<5	95	<5	0.33	<1	12	80	27	2.50	20	0.37	274	2	0.02	19	260	14	<5	<20	8	0.11	<10	9	<10	23	72
82	92582	<5	<0.2	1.17	<5	105	<5	0.32	<1	13	79	25	2.86	20	0.43	311	<1	0.02	19	250	18	<5	<20	8	0.15	<10	12	<10	20	81
83	92583	<5	<0.2	1.21	<5	95	5	0.18	<1	17	53	42	3.29	20	0.46	260	<1	0.01	23	360	48	<5	<20	6	0.34	<10	16	<10	12	83
84	92584	<5	<0.2	0.99	<5	70	<5	0.26	<1	10	75	20	2.50	30	0.34	286	2	0.02	17	260	26	<5	<20	9	0.07	<10	13	<10	33	57
85	92585	5	<0.2	0.45	<5	25	<5	0.69	<1	5	110	12	1.20	30	0.15	243	2	0.02	8	120	22	<5	<20	18	0.04	<10	9	<10	30	35
86	92586	5	<0.2	1.06	<5	80	<5	0.16	<1	11	71	21	2.56	20	0.38	258	2	0.02	19	260	22	<5	<20	3	0.09	<10	10	<10	31	73
87	92587	5	<0.2	1.06	<5	95	<5	0.13	<1	12	81	24	2.58	20	0.39	258	<1	0.02	15	260	28	<5	<20	3	0.32	<10	16	<10	25	75
88	92588	5	<0.2	0.92	<5	80	<5	0.23	<1	9	97	10	1.94	20	0.30	263	<1	0.02	12	200	20	<5	<20	3	0.12	<10	7	<10	23	56
89	92589	10	<0.2	0.86	<5	65	<5	0.38	<1	9	90	12	1.93	20	0.30	282	<1	0.02	9	230	24	<5	<20	4	0.11	<10	11	<10	24	57
90	92590	5	<0.2	1.24	<5	115	<5	0.32	<1	13	90	18	2.54	20	0.40	319	<1	0.03	17	280	26	<5	<20	5	0.42	<10	21	<10	23	74
91	92591	10	<0.2	1.20	<5	110	<5	0.20	<1	13	71	14	2.78	20	0.44	370	<1	0.02	17	280	24	<5	<20	3	0.14	<10	10	<10	19	84
92	92592	5	<0.2	1.29	<5	105	<5	0.21	<1	13	85	20	2.96	20	0.46	338	<1	0.02	18	290	24	<5	<20	5	0.37	<10	21	<10	23	84
93	92593	10	<0.2	1.34	<5	110	5	0.17	<1	17	58	38	3.52	20	0.50	352	<1	0.02	22	350	22	<5	<20	4	0.39	<10	20	<10	28	93
94	92594	5	<0.2	1.04	<5	80	5	0.30	<1	11	93	20	2.53	10	0.38	353	1	0.02	15	260	22	<5	<20	5	0.11	<10	9	<10	17	89
95	92595	5	<0.2	1.11	<5	80	<5	0.18	<1	14	55	26	2.90	20	0.42	299	<1	0.01	20	310	18	<5	<20	4	0.11	<10	7	<10	19	99

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
96	92596	5	<0.2	1.29	△	110	<5	0.23	<1	16	77	41	3.35	20	0.51	354	<1	0.02	23	310	48	<5	<20	5	0.40	<10	19	<10	21	154
97	92597	5	<0.2	1.34	△	85	<5	0.61	<1	11	92	21	2.72	10	0.56	416	12	0.03	15	290	36	<5	<20	9	0.35	<10	19	<10	19	139
98	92598	10	<0.2	0.78	△	70	<5	0.29	<1	8	108	22	1.77	20	0.25	239	<1	0.02	12	210	22	<5	<20	3	0.26	<10	12	<10	26	70
99	92599	5	<0.2	0.66	△	50	<5	0.38	2	6	100	7	1.49	20	0.21	237	<1	0.02	9	200	26	<5	<20	5	0.20	<10	13	<10	22	128
100	92600	5	<0.2	0.94	△	90	5	0.34	<1	10	99	12	2.10	20	0.30	280	<1	0.02	14	220	24	<5	<20	6	0.09	<10	10	<10	20	88
101	92601	<5	<0.2	0.61	△	30	<5	0.55	<1	5	105	12	1.48	20	0.20	260	1	0.02	8	150	42	<5	<20	11	0.09	<10	10	<10	17	64
102	92602	<5	<0.2	1.00	△	60	5	0.21	<1	11	87	8	2.45	30	0.27	341	<1	0.02	15	230	62	<5	<20	15	0.20	<10	16	<10	32	114
103	92603	5	<0.2	0.90	△	90	<5	0.20	<1	9	75	6	2.04	20	0.30	265	<1	0.02	11	220	24	<5	<20	3	0.31	<10	13	<10	25	82
104	92604	5	<0.2	0.77	△	60	<5	0.19	<1	7	98	9	1.74	20	0.25	234	<1	0.02	11	170	30	<5	<20	3	0.30	<10	13	<10	16	69
105	92633	5	<0.2	1.63	△	120	<5	0.56	<1	14	91	29	3.35	20	1.24	712	3	0.04	20	550	36	<5	<20	20	0.15	<10	36	<10	22	113
106	92634	10	<0.2	1.53	△	115	5	0.55	<1	15	99	31	3.31	10	1.20	655	2	0.04	20	530	46	10	<20	15	0.09	<10	32	<10	18	117
107	92635	15	<0.2	1.54	△	80	5	0.63	<1	16	91	33	3.44	10	1.20	642	4	0.04	22	530	76	5	<20	18	0.33	<10	44	<10	17	132
108	92636	10	<0.2	1.23	△	55	<5	0.33	1	15	78	35	3.20	10	0.98	464	5	0.03	21	460	104	<5	<20	7	0.30	<10	31	<10	13	149
109	92637	10	<0.2	1.56	△	90	5	0.34	1	14	93	27	3.23	10	1.28	611	<1	0.04	20	470	94	<5	<20	6	0.40	<10	41	<10	16	166
110	92638	10	<0.2	1.80	△	120	<5	0.49	<1	13	84	28	3.34	10	1.32	647	<1	0.06	22	490	90	5	<20	16	0.34	<10	36	<10	15	220
111	92639	10	<0.2	1.12	△	80	<5	0.36	3	15	69	39	3.52	20	0.83	373	3	0.02	22	470	90	<5	<20	8	0.09	<10	11	<10	12	372
112	92640	10	<0.2	1.15	△	70	<5	0.26	<1	12	69	28	3.01	10	0.92	402	<1	0.02	18	510	96	<5	<20	3	0.28	<10	19	<10	13	170
113	92641	10	<0.2	1.28	△	70	<5	0.31	<1	13	76	28	3.25	10	1.00	444	1	0.02	19	500	86	<5	<20	3	0.15	<10	13	<10	13	187
114	92642	10	<0.2	1.29	△	70	<5	0.36	2	12	70	25	3.10	10	1.06	474	<1	0.02	18	460	62	10	<20	5	0.29	<10	22	<10	14	267
115	92643	5	<0.2	1.26	△	70	5	0.35	2	15	76	30	3.38	20	0.99	458	3	0.03	19	440	74	5	<20	6	0.08	<10	13	<10	13	274
116	92644	10	<0.2	1.20	△	70	<5	0.47	<1	14	61	29	3.37	20	0.97	462	2	0.02	20	450	50	<5	<20	8	0.27	<10	21	<10	16	129
117	92645	10	<0.2	1.20	△	80	<5	0.38	<1	14	82	27	3.25	20	0.91	411	<1	0.03	20	460	34	<5	<20	8	0.29	<10	19	<10	18	95
118	19351	5	<0.2	1.06	10	70	<5	0.45	<1	13	56	28	3.14	20	0.80	373	6	0.02	17	420	22	5	<20	9	0.23	<10	14	<10	17	82
119	19352	10	<0.2	1.04	△	80	<5	0.72	<1	14	78	25	2.98	20	0.65	492	1	0.02	19	340	18	<5	<20	12	0.22	<10	19	<10	19	76
120	19353	10	<0.2	0.99	△	80	<5	0.31	<1	14	53	26	2.98	10	0.57	364	4	0.02	18	360	12	<5	<20	9	0.06	<10	10	<10	10	63

QC DATA:

Resplit:

1	18301	<5	<0.2	1.26	△	90	<5	0.43	<1	11	88	3	2.61	20	0.52	340	<1	0.02	16	240	12	<5	<20	12	0.21	<10	16	<10	13	50
36	18336	10	<0.2	0.82	△	70	<5	0.31	<1	8	84	9	1.86	20	0.29	287	<1	0.02	11	230	24	<5	<20	8	0.07	<10	9	<10	28	53
71	92571	<5	<0.2	0.81	△	75	<5	0.24	<1	7	95	42	1.72	20	0.29	248	<1	0.02	12	170	36	<5	<20	3	0.08	<10	13	<10	21	60
106	92634	5	<0.2	1.65	△	115	5	0.59	<1	16	102	32	3.53	10	1.30	700	<1	0.04	21	590	50	<5	<20	14	0.12	<10	45	<10	19	125

6-Oct-00

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

ICP CERTIFICATE OF ANALYSIS AK 2000-303

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

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

ATTENTION: SIG WEIDNER

No. of samples received: 32  
Sample type: Core  
Project #: 9903  
Shipment #: None Given  
Samples submitted by: Leonard Gal

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	19354	<5	<0.2	0.79	30	70	<5	0.31	<1	12	76	19	2.35	<10	0.43	284	1	0.02	19	260	14	<5	<20	14	0.26	<10	9	<10	17	62
2	19355	<5	<0.2	0.89	<5	70	5	0.60	<1	11	70	22	2.48	10	0.53	418	2	0.02	15	310	10	<5	<20	20	0.12	<10	10	<10	13	62
3	19356	5	<0.2	1.10	<5	105	<5	0.79	<1	11	69	21	2.46	10	0.77	458	1	0.02	16	400	10	<5	<20	25	0.27	<10	14	<10	19	66
4	19357	<5	<0.2	0.64	<5	50	<5	1.29	<1	9	67	22	2.25	<10	0.63	477	2	0.02	14	360	8	<5	<20	45	0.03	<10	10	<10	15	41
5	19358	<5	<0.2	0.90	<5	80	5	0.76	<1	14	57	35	3.13	<10	0.73	345	3	0.02	20	330	10	<5	<20	29	0.10	<10	14	<10	10	65
6	19359	<5	<0.2	0.89	<5	60	<5	0.94	<1	10	65	26	2.38	10	0.70	383	2	0.03	14	450	14	<5	<20	25	0.12	<10	14	<10	18	50
7	19360	<5	<0.2	0.60	<5	25	5	1.45	<1	10	43	30	2.45	<10	0.70	380	3	0.02	16	510	4	<5	<20	37	<0.01	<10	4	<10	9	40
8	19361	<5	<0.2	0.71	<5	65	<5	0.57	<1	13	43	35	2.65	10	0.50	251	3	0.01	22	360	4	<5	<20	16	0.04	<10	4	<10	10	46
9	19362	5	<0.2	0.61	<5	55	<5	0.33	<1	9	48	22	2.12	<10	0.39	186	2	0.01	11	480	4	<5	<20	9	0.07	<10	1	<10	12	29
10	19363	<5	<0.2	0.68	<5	50	5	0.58	<1	10	64	23	2.03	<10	0.50	266	<1	0.03	13	350	18	<5	<20	13	0.16	<10	10	<10	13	38
11	19364	5	<0.2	1.40	<5	60	<5	1.35	<1	11	70	21	2.44	<10	1.25	508	1	0.03	13	480	32	10	<20	35	0.37	<10	22	<10	17	97
12	19365	5	<0.2	1.28	<5	70	5	1.11	<1	11	84	22	2.46	10	1.09	465	<1	0.03	15	440	22	<5	<20	25	0.46	<10	25	<10	18	57
13	19366	<5	<0.2	0.92	<5	55	<5	1.01	<1	9	80	20	1.97	<10	0.78	330	<1	0.03	14	410	20	5	<20	20	0.33	<10	20	<10	16	40
14	19367	5	<0.2	1.75	<5	85	<5	1.03	1	11	82	19	2.53	10	1.36	560	<1	0.05	15	540	38	15	<20	29	0.50	<10	23	<10	18	68
15	19368	5	<0.2	1.50	<5	90	5	0.63	<1	12	78	24	2.85	10	1.20	484	<1	0.04	14	500	32	<5	<20	15	0.57	<10	32	<10	18	67
16	19369	<5	<0.2	1.13	<5	60	<5	0.40	<1	13	79	29	2.80	<10	0.90	345	4	0.03	19	460	20	<5	<20	9	0.26	<10	27	<10	16	52
17	19370	5	<0.2	0.21	10	15	5	2.67	<1	10	38	18	2.01	<10	0.96	505	2	0.01	16	460	2	10	<20	48	<0.01	<10	<1	<10	5	8
18	19371	<5	<0.2	1.07	<5	50	<5	1.98	<1	9	57	17	2.58	10	0.95	651	2	0.02	13	460	16	5	<20	47	0.05	<10	10	<10	20	75
19	19372	<5	<0.2	0.53	<5	45	<5	1.29	<1	9	56	24	2.36	<10	0.65	428	3	0.02	15	430	16	5	<20	52	0.01	<10	5	<10	13	54
20	19373	5	<0.2	0.48	<5	55	<5	0.91	<1	11	55	28	2.59	<10	0.51	291	3	0.02	18	480	18	<5	<20	32	<0.01	<10	3	<10	9	40
21	19374	5	<0.2	0.58	<5	45	<5	0.65	<1	11	46	28	2.52	<10	0.44	225	4	0.02	17	410	12	<5	<20	21	0.04	<10	3	<10	10	36
22	19375	5	<0.2	0.60	<5	50	<5	0.43	<1	10	50	23	2.27	<10	0.40	200	2	0.02	15	400	6	<5	<20	13	0.08	<10	4	<10	12	34
23	19376	5	<0.2	1.34	<5	70	5	0.66	<1	12	77	23	2.56	10	0.97	431	2	0.04	15	430	24	<5	<20	15	0.17	<10	18	<10	19	65
24	19377	5	<0.2	1.74	<5	125	5	0.79	<1	11	81	16	2.71	<10	1.23	584	<1	0.04	17	500	20	10	<20	16	0.26	<10	19	<10	22	99
25	19378	5	<0.2	1.13	<5	100	<5	0.46	<1	9	83	12	2.30	<10	0.54	391	<1	0.02	11	260	14	<5	<20	10	0.36	<10	17	<10	19	60

6-Oct-00

ICP CERTIFICATE OF ANALYSIS AK 2000-303

RIO ALGOM EXPLORATION 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	19379	5	<0.2	1.11	<5	85	<5	0.53	<1	12	71	28	2.59	<10	0.86	359	3	0.03	17	420	20	10	<20	10	0.27	<10	22	<10	20	76
27	19380	5	<0.2	1.24	<5	90	<5	0.42	<1	13	72	27	2.87	10	1.03	424	1	0.02	17	400	18	5	<20	9	0.42	<10	23	<10	18	67
28	<del>19388</del>	<del>5</del>	<del>&lt;0.2</del>	<del>1.20</del>	<del>&lt;5</del>	<del>100</del>	<del>&lt;5</del>	<del>0.60</del>	<del>&lt;1</del>	<del>14</del>	<del>84</del>	<del>28</del>	<del>2.51</del>	<del>10</del>	<del>0.95</del>	<del>470</del>	<del>1</del>	<del>0.02</del>	<del>15</del>	<del>110</del>	<del>80</del>	<del>5</del>	<del>&lt;20</del>	<del>15</del>	<del>0.10</del>	<del>&lt;10</del>	<del>10</del>	<del>&lt;10</del>	<del>10</del>	<del>80</del>
29	<del>19389</del>	<del>5</del>	<del>&lt;0.2</del>	<del>1.80</del>	<del>&lt;5</del>	<del>115</del>	<del>&lt;5</del>	<del>1.10</del>	<del>&lt;1</del>	<del>10</del>	<del>70</del>	<del>27</del>	<del>2.50</del>	<del>10</del>	<del>1.00</del>	<del>472</del>	<del>1</del>	<del>0.02</del>	<del>10</del>	<del>620</del>	<del>100</del>	<del>10</del>	<del>&lt;20</del>	<del>21</del>	<del>0.20</del>	<del>&lt;10</del>	<del>17</del>	<del>&lt;10</del>	<del>20</del>	<del>200</del>
30	<del>19390</del>	<del>5</del>	<del>&lt;0.2</del>	<del>1.10</del>	<del>&lt;5</del>	<del>70</del>	<del>&lt;5</del>	<del>0.37</del>	<del>&lt;1</del>	<del>04</del>	<del>70</del>	<del>20</del>	<del>2.70</del>	<del>10</del>	<del>0.95</del>	<del>470</del>	<del>3</del>	<del>0.03</del>	<del>03</del>	<del>100</del>	<del>0470</del>	<del>5</del>	<del>&lt;20</del>	<del>0</del>	<del>0.20</del>	<del>&lt;10</del>	<del>00</del>	<del>&lt;10</del>	<del>11</del>	<del>000</del>
31	<del>1754</del>	<del>5</del>	<del>&lt;0.2</del>	<del>0.81</del>	<del>&lt;5</del>	<del>80</del>	<del>&lt;5</del>	<del>0.80</del>	<del>&lt;1</del>	<del>10</del>	<del>11</del>	<del>25</del>	<del>1.80</del>	<del>10</del>	<del>0.20</del>	<del>110</del>	<del>2</del>	<del>0.01</del>	<del>10</del>	<del>800</del>	<del>80</del>	<del>5</del>	<del>&lt;20</del>	<del>0</del>	<del>0.15</del>	<del>&lt;10</del>	<del>4</del>	<del>&lt;10</del>	<del>07</del>	<del>10</del>
32	<del>1790</del>	<del>5</del>	<del>&lt;0.2</del>	<del>0.90</del>	<del>&lt;5</del>	<del>10</del>	<del>&lt;5</del>	<del>0.10</del>	<del>&lt;1</del>	<del>0</del>	<del>80</del>	<del>10</del>	<del>1.01</del>	<del>10</del>	<del>0.90</del>	<del>201</del>	<del>2</del>	<del>0.02</del>	<del>10</del>	<del>800</del>	<del>10</del>	<del>0</del>	<del>&lt;20</del>	<del>10</del>	<del>0.12</del>	<del>&lt;10</del>	<del>2</del>	<del>&lt;10</del>	<del>20</del>	<del>04</del>

QC DATA:

**Resplit:**

1	19354	<5	<0.2	0.79	30	60	5	0.31	<1	11	77	18	2.28	<10	0.43	273	2	0.02	16	290	14	<5	<20	7	0.08	<10	4	<10	10	60
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**Repeat:**

1	19354	<5	<0.2	0.80	15	70	<5	0.30	<1	11	72	19	2.26	<10	0.43	272	2	0.02	16	250	8	<5	<20	11	0.10	<10	4	<10	10	58
10	19363	<5	<0.2	0.70	<5	50	<5	0.60	<1	9	65	23	2.06	<10	0.51	269	<1	0.03	12	350	20	<5	<20	12	0.17	<10	11	<10	13	38
19	19372	<5	<0.2	0.51	<5	45	<5	1.27	<1	9	56	23	2.31	<10	0.64	419	3	0.02	14	410	16	<5	<20	50	0.02	<10	4	<10	12	55
28	<del>19388</del>	<del>5</del>	<del>&lt;0.2</del>	<del>1.80</del>	<del>&lt;5</del>	<del>105</del>	<del>&lt;5</del>	<del>0.70</del>	<del>&lt;1</del>	<del>10</del>	<del>80</del>	<del>10</del>	<del>2.01</del>	<del>10</del>	<del>0.80</del>	<del>175</del>	<del>1</del>	<del>0.02</del>	<del>17</del>	<del>100</del>	<del>80</del>	<del>5</del>	<del>&lt;20</del>	<del>10</del>	<del>0.10</del>	<del>&lt;10</del>	<del>17</del>	<del>&lt;10</del>	<del>00</del>	<del>102</del>

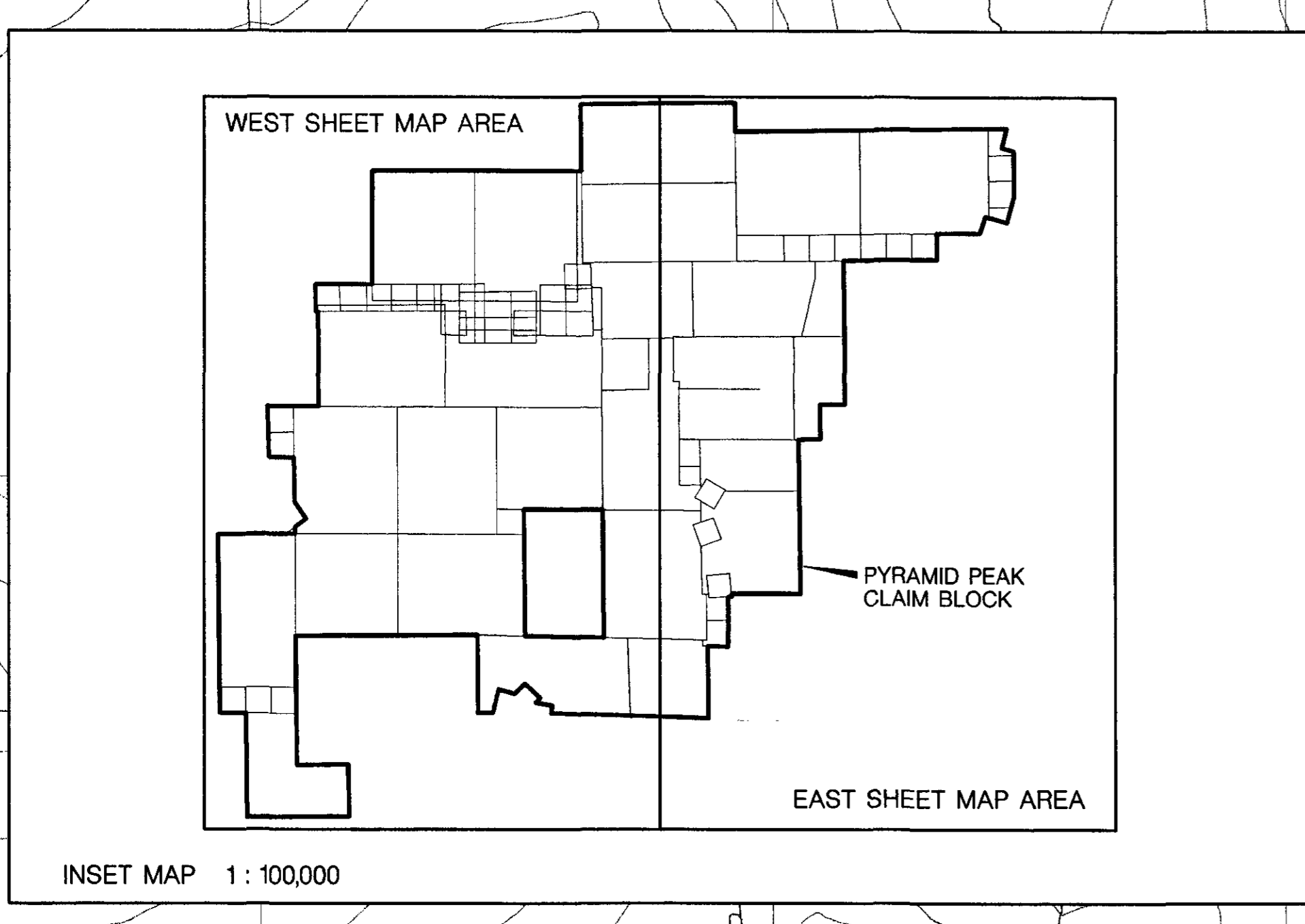
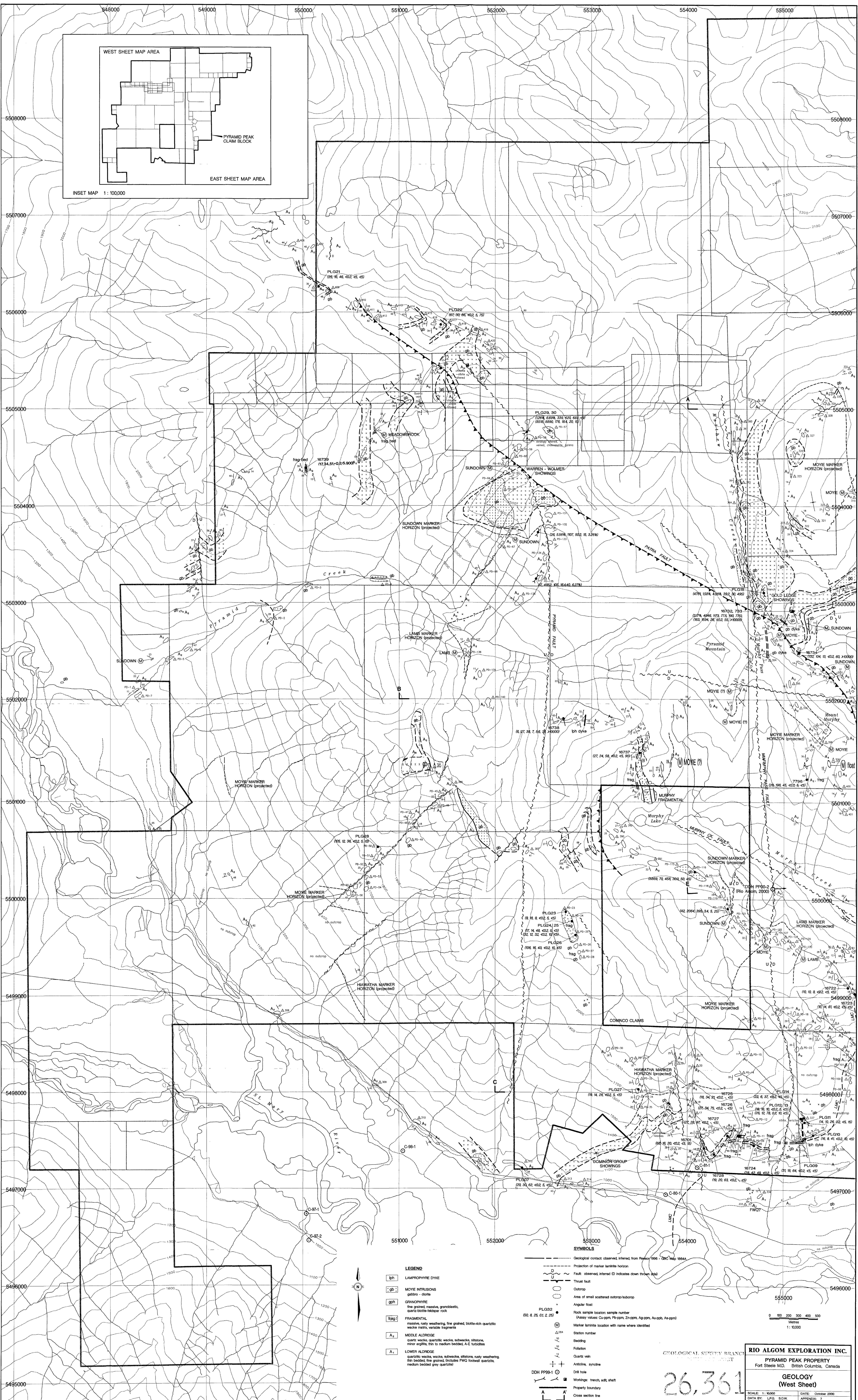
**Standard:**

GEO'00	120	1.0	1.47	45	150	<5	1.43	<1	17	50	88	3.20	<10	0.84	620	<1	0.01	24	670	22	<5	<20	53	0.12	<10	64	<10	14	68
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df/303  
XLS/00  
Fax: 604-869-0447

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

**Appendix VII**  
**Geology Maps and Sections**



- LEGEND**
- lph LAMPROPHYRE DYKE
  - gb MOYLE INTRUSIONS  
gastro - diorite
  - gnh GRANOPHYRE  
fine grained massive, granoblastic,  
quartz-biotite-hornblende rock
  - frag FRAGMENTAL  
massive, rusty weathering, fine grained, biotite-rich quartzitic  
wacke matrix, vesicular fragments
  - A<sub>1</sub> MIDDLE ALDRIDGE  
quartz wacke, quartzitic wacke, subwacke, siltstone,  
minor argillite, fine to medium bedded, A-E turbidites
  - A<sub>2</sub> LOWER ALDRIDGE  
quartzite wacke, subwacke, siltstone, rusty weathering  
thin bedded, fine grained, includes FWQ footwall quartzite,  
medium bedded grey quartzite

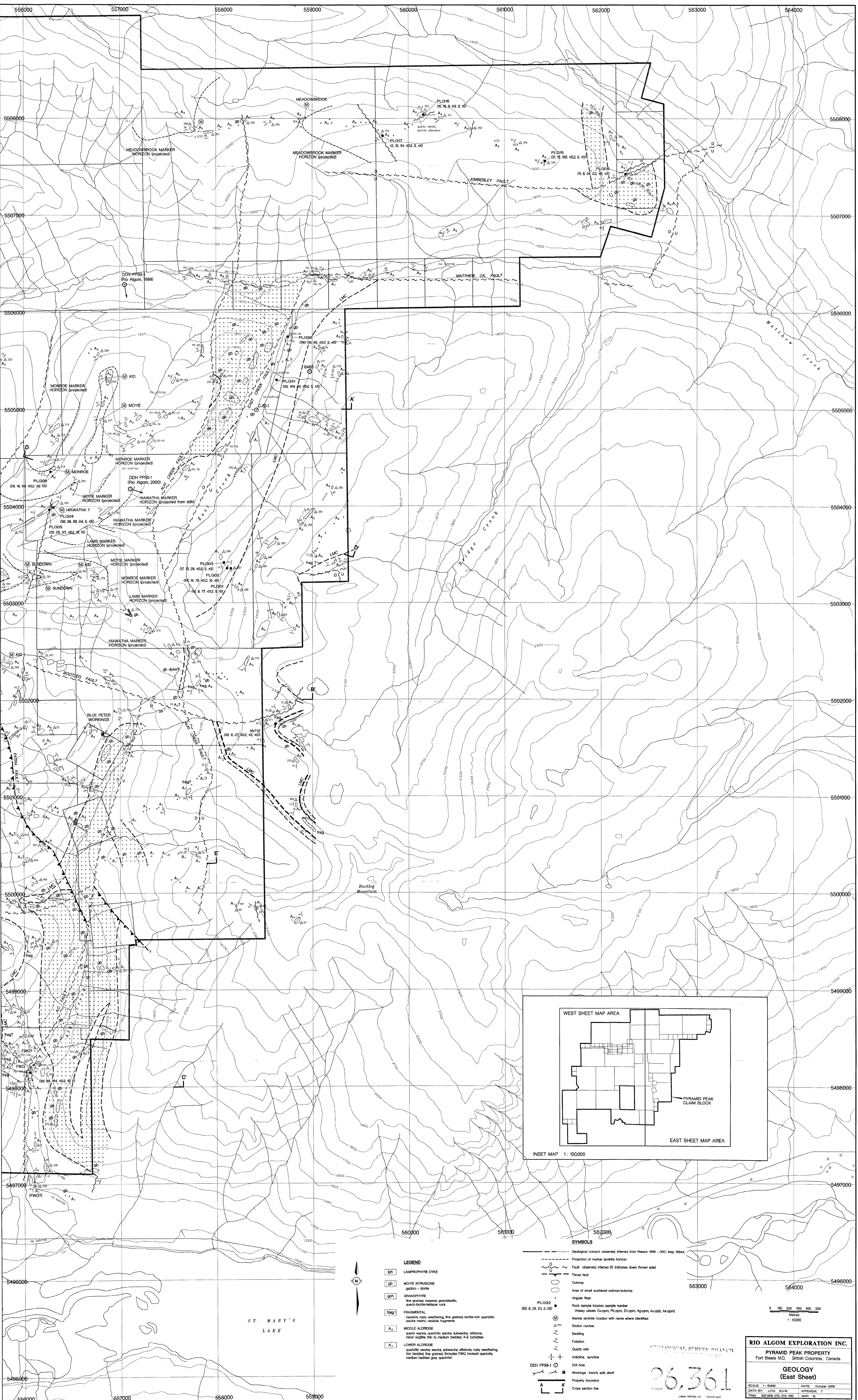
- SYMBOLS**
- Geological contact observed, inferred, from Peasey 1996 - DSC Map 984A
  - Projection of marker laminae horizon
  - Fault: observed, inferred (D indicates down thrown side)
  - Thrust fault
  - Outcrop
  - Area of small scattered outcrop/subcrop
  - Angular float
  - Rock sample location: sample number  
(Assay values: Cu-ppm, Pb-ppm, Zn-ppm, Ag-ppm, Au-ppm, As-ppm)
  - Marker laminae location with name where identified
  - Station number
  - Bedding
  - Foliation
  - Quartz vein
  - Artificially syncline
  - Ditch hole
  - Workings: trench, adit, shaft
  - Property boundary
  - Cross section line

**RIO ALGOM EXPLORATION INC.**  
**PYRAMID PEAK PROPERTY**  
 Fort Steele M.D., British Columbia, Canada

**GEOLOGY**  
 (West Sheet)

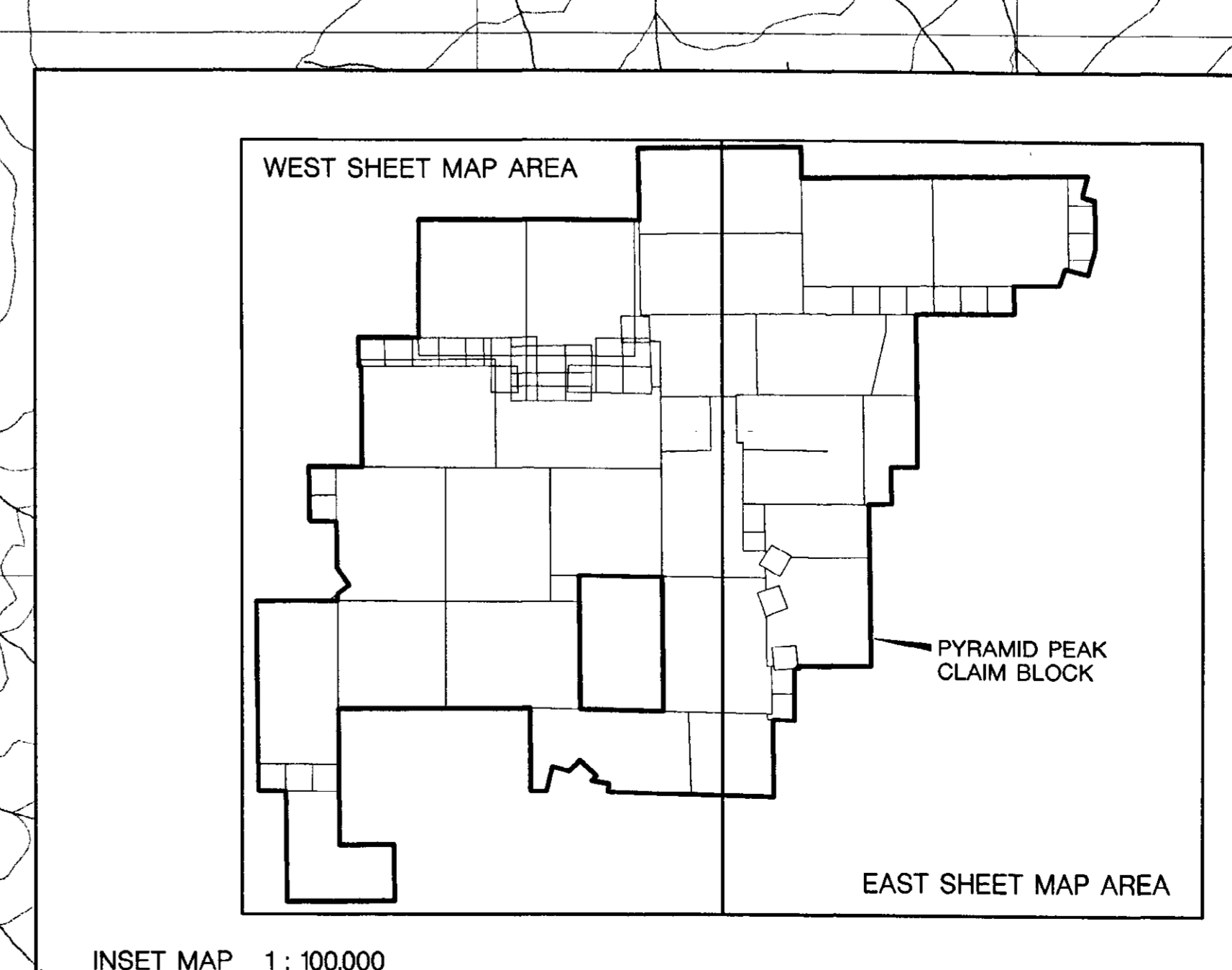
SCALE: 1:50,000 DATE: October 2000  
 DATA BY: L.P.G. S.O.W. APPENDIX 7  
 TRIM: 827089, 070, 073, 078 MAP: 15

26,361



- LEGEND**
- LAMPROPHYRE DYKE
  - MOYIE INTRUSIONS  
gabbro - diorite
  - GRANOPHYRE  
fine grained, massive, granoblastic, quartz-biotite rock
  - FRAGMENTAL  
massive, rusty weathering, fine grained, biotite-rich quartzite  
wacke matrix, variable fragments
  - MIDDLE ALDRIDGE  
quartz wacke, quartzitic wacke, siltstone,  
minor argillite, thin to medium bedded A-E turbidites
  - LOWER ALDRIDGE  
quartzite wacke, wacke, subwacke, siltstone, rusty weathering,  
thin bedded, fine grained, includes FWQ footwall quartzite,  
medium bedded grey quartzite

- SYMBOLS**
- Geological contact observed, inferred, from Rescor 1996 - GSC Map 1864A
  - Projection of marker lamnite horizon
  - Fault: observed, inferred (ID indicates down thrown side)
  - Thrust fault
  - Outcrop
  - Area of small scattered outcrop/subcrop
  - Angular float
  - Rock sample location: sample number  
(Assay values: Cu ppm, Pb ppm, Zn ppm, Ag ppm, Au ppm, As ppm)
  - Marker lamnite location with name where identified
  - Station number
  - Bedding
  - Foliation
  - Quartz vein
  - Anticline, syncline
  - Drill hole
  - Workings: trench, adit, shaft
  - Property boundary
  - Cross section line



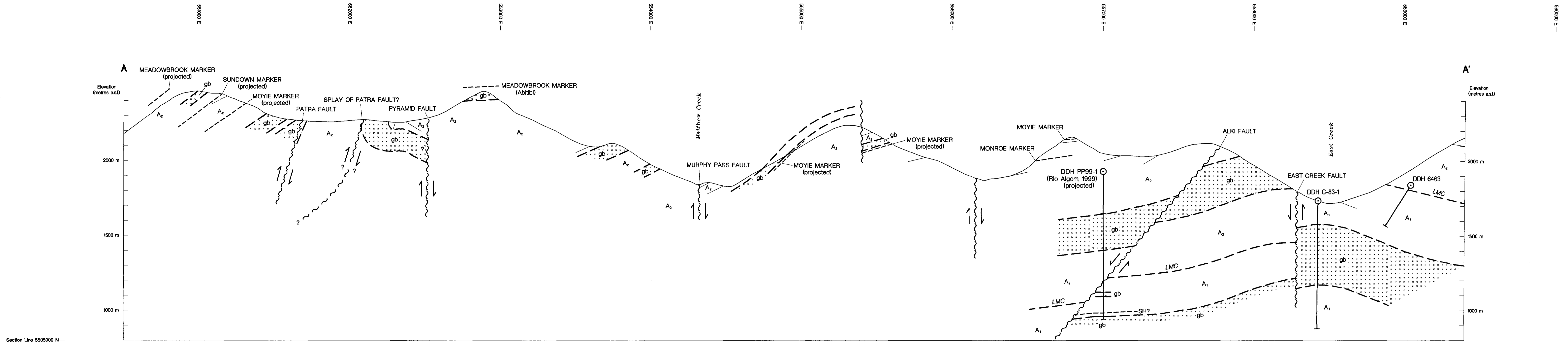
**RIO ALGOM EXPLORATION INC.**  
**PYRAMID PEAK PROPERTY**  
 Fort Steele M.D., British Columbia, Canada

**GEOLOGY (East Sheet)**

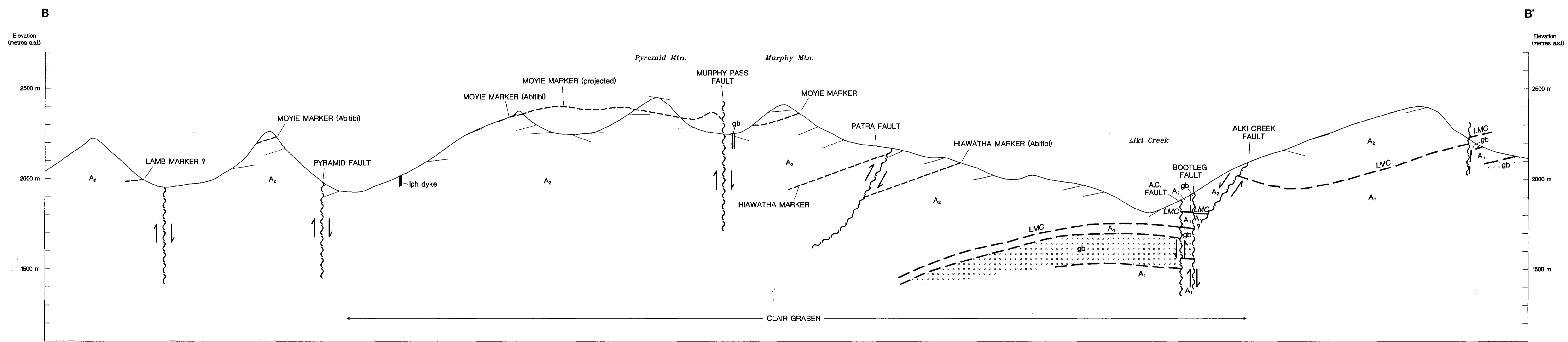
SCALE: 1:100,000 DATE: October 2000  
 DATA BY: LPS, SLOW APPENDIX 7  
 TRIM: 827,063, 070, 070, 080 MAP: 10

26.361

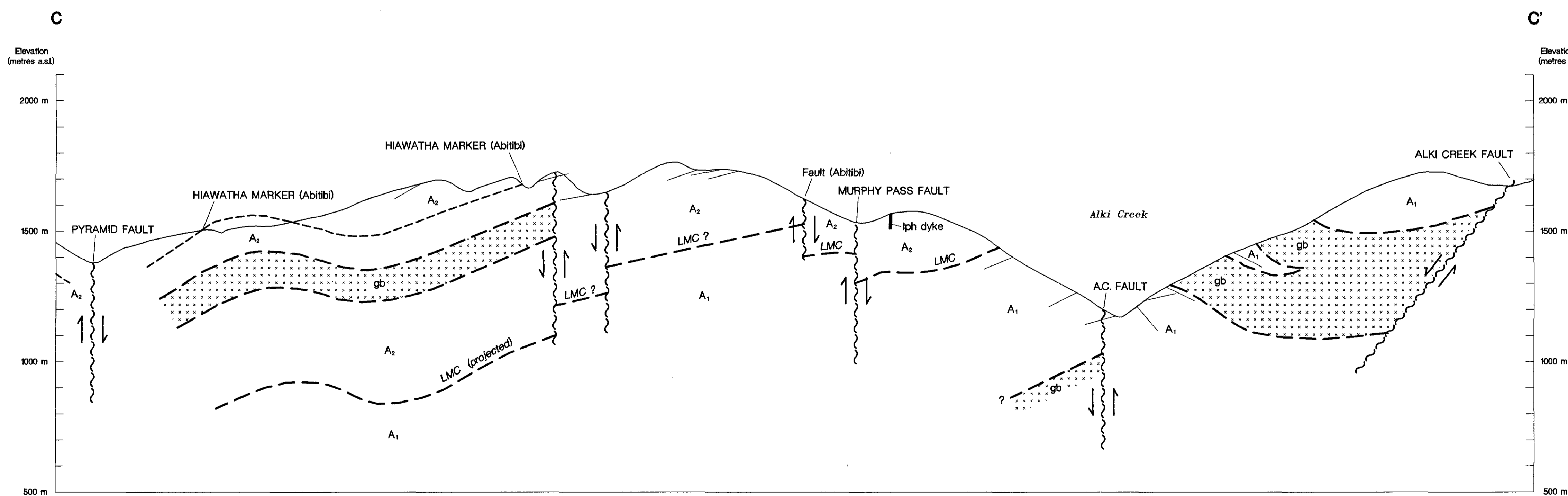




Section Line 5505000 N



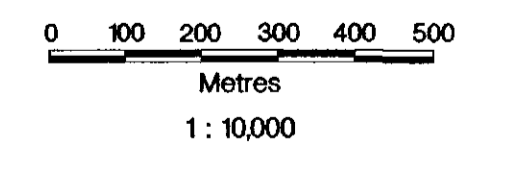
Section Line 5502000 N



Section Line 5498000 N

- LEGEND**
- [lph] LAMPROPHYRE DYKE
  - [gb] MOYLE 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<sub>2</sub> MIDDLE ALDRIDGE  
quartz wacke, quartzitic wacke, subwacke, siltstone,  
minor argillite, thin to medium bedded A-E turbidites
  - A<sub>1</sub> LOWER ALDRIDGE  
quartzitic wacke, wacke, subwacke, siltstone, rusty weathering,  
thin bedded, fine grained, includes FWD footwall quartzite,  
medium bedded grey quartzite

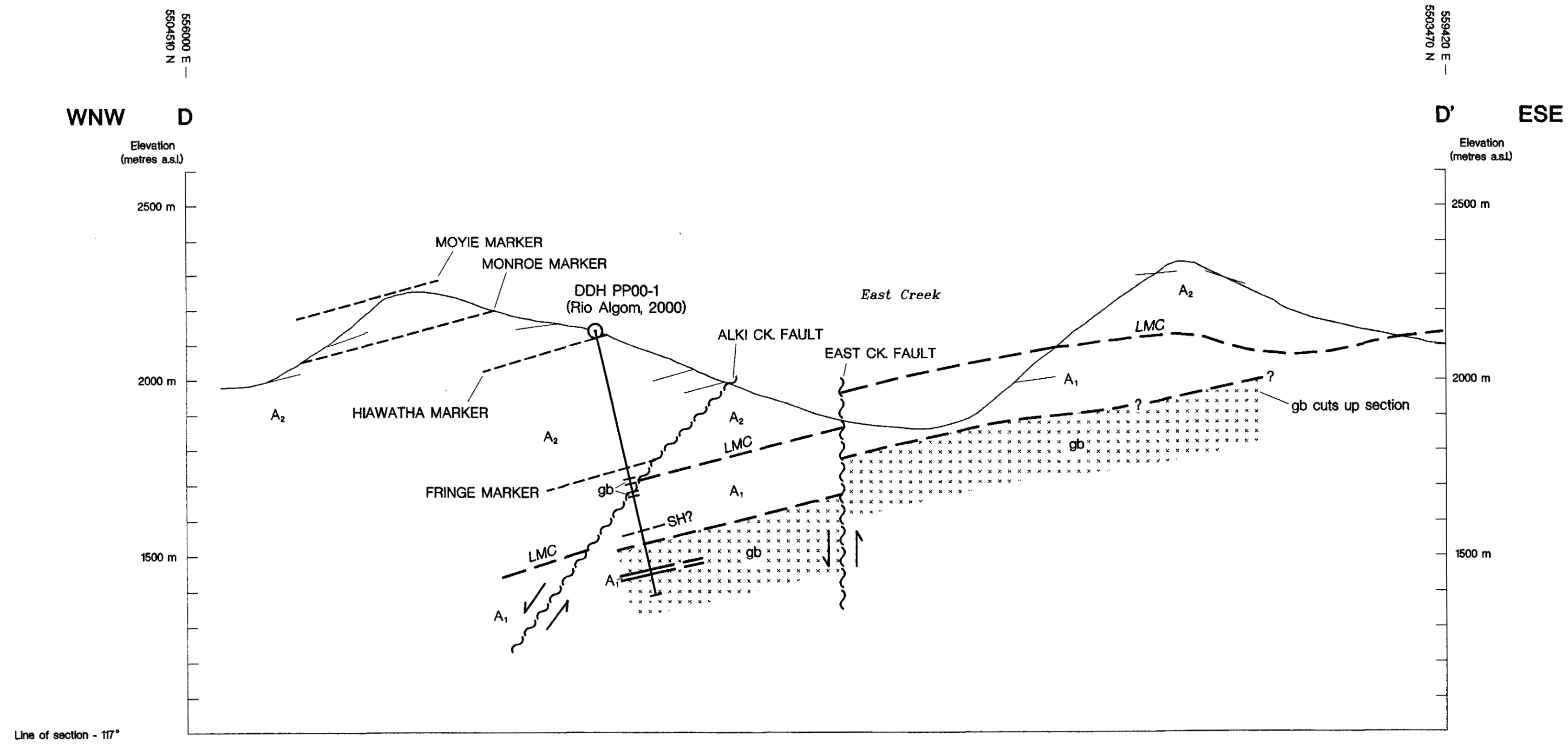
- SYMBOLS**
- Geological contact observed, inferred
  - - - Projection of marker laminae horizon
  - ~ Fault: observed, inferred
  - ~ Measured bedding attitude
  - DDH PP99-1 (Abitibi)
  - Measured bedding attitude by Abitibi Mining Corp.
  - Mapped by Abitibi Mining Corp. (1998)



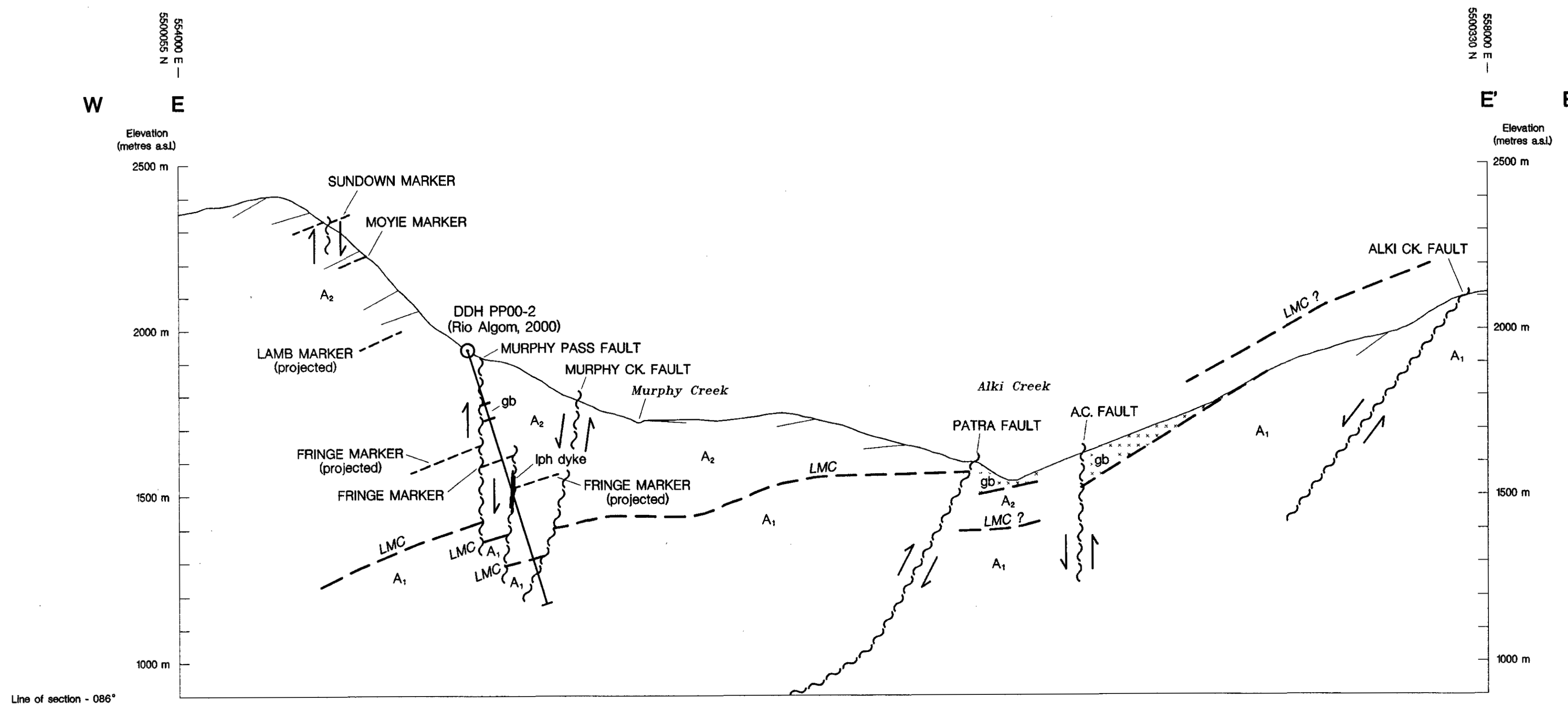
<b>RIO ALGOM EXPLORATION INC.</b>	
PYRAMID PEAK PROPERTY Fort Steele M.D., British Columbia, Canada	
<b>GEOLOGICAL CROSS SECTION A-A', B-B', C-C'</b>	
SCALE: 1:10,000	DATE: October 2000
DATA BY: LPS, S.O.W.	APPENDIX: 7
TRIM: R2F069, 070, 079, 080	MAP: 2a

GEOLOGICAL SURVEY BRANCH  
REPORT

26,361

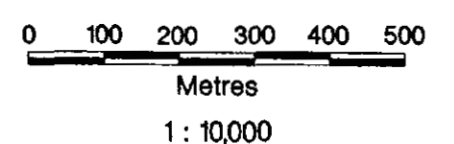


- LEGEND**
- [lph] LAMPROPHYRE DYKE
  - [gb] MOYIE INTRUSIONS  
gabbro - diorite
  - [gph] GRANOPHYRE  
fine grained, massive, granoblastic,  
quartz-biotite-feldspar rock
  - [frag] FRAGMENTAL  
massive, rusty weathering, fine grained, biotite-rich quartzitic  
wacke matrix, variable fragments
  - [A<sub>2</sub>] MIDDLE ALDRIDGE  
quartz wacke, quartzitic wacke, subwacke, siltstone,  
minor argillite, thin to medium bedded, A-E turbidites
  - [A<sub>1</sub>] LOWER ALDRIDGE  
quartzitic wacke, wacke, subwacke, siltstone, rusty weathering,  
thin bedded, fine grained, (includes FWQ footwall quartzite,  
medium bedded grey quartzite)
- SYMBOLS**
- Geological contact: observed, inferred
  - - - Projection of marker laminite horizon
  - ~ Fault: observed, inferred
  - ↗ Measured bedding attitude
  - DDH-PP99-1 Drill hole
  - ↗ Measured bedding attitude by Abitibi Mining Corp. (Abitibi)
  - ↗ Mapped by Abitibi Mining Corp. (1998)



GEOLOGICAL SURVEY BRANCH  
REPORT

26,361



<b>RIO ALGOM EXPLORATION INC.</b>	
PYRAMID PEAK PROPERTY Fort Steele M.D. British Columbia, Canada	
<b>GEOLOGICAL CROSS SECTION D-D', E-E'</b>	
SCALE: 1:10,000	DATE: October 2000
DATA BY: L.P.G. S.Q.W.	APPENDIX: 7
TRIM: 82F089, 070, 079, 080	MAP: 2b

W

E

### LEGEND

#### TERTIARY

lamp Lamprophyre dike

#### MIDDLE PROTEROZOIC

A2 Middle Aldridge Formation ( Light grey wackes, quartz wackes, siltstone, argillite )

frg Fragmental Unit ( Siltstone fragmental at lower - middle Aldridge contact )

A1 Lower Aldridge Formation ( Light to medium grey, rusty weathering siltstone, quartzitic wacke and wacke )

+ qb + Gabbro ( Moyie Intrusives - fine grained to medium grained sills and dike complexes )

sist Siltstone

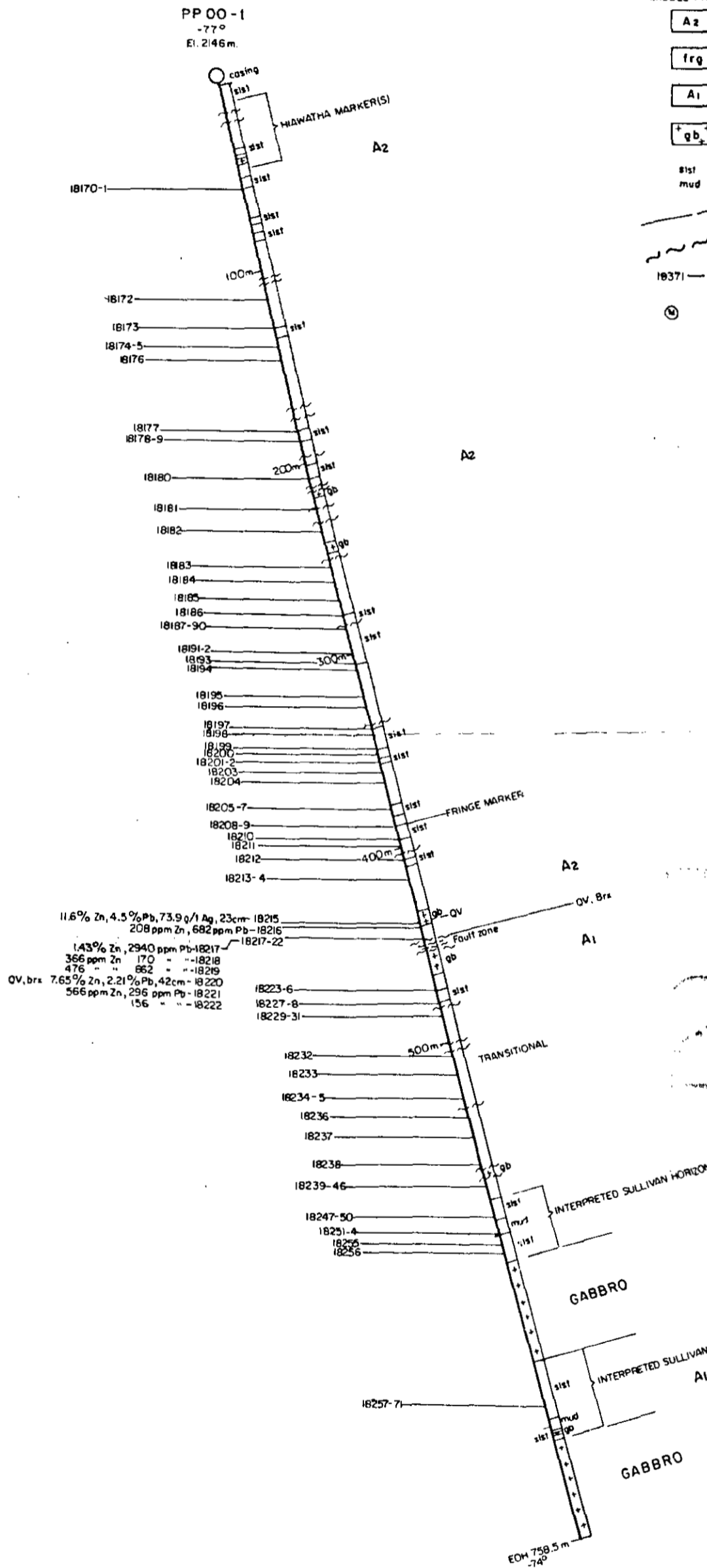
mud Mudstone

Geological contact

Fault

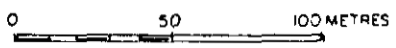
18371 Sample number (line indicated top of sample interval)

⊙ Laminite location and stratigraphic markers



GEOLOGICAL SURVEY BRANCH

26361



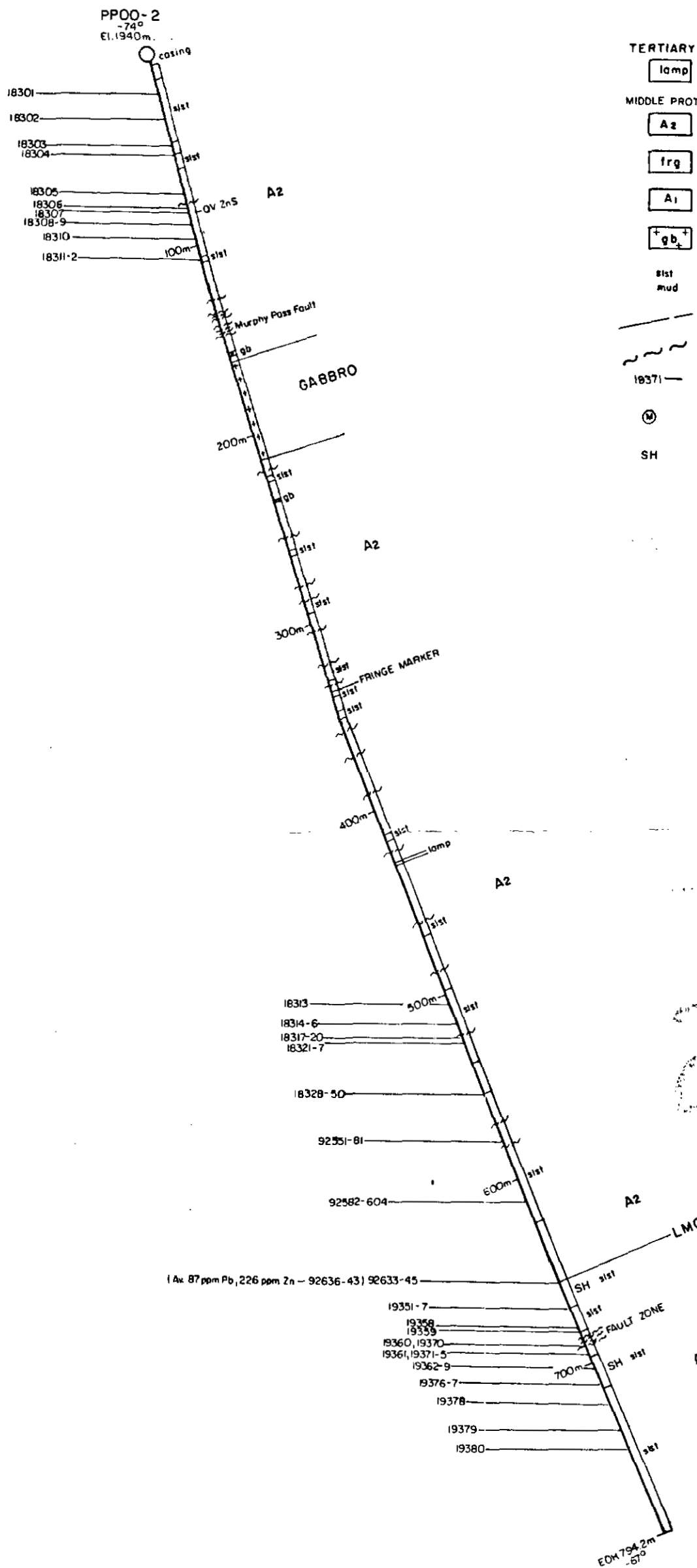
Rio Algom Exploration Inc.		
PYRAMID PEAK PROPERTY		
DRILL HOLE SECTION DDH PPOO-1		
N.T.S. 82G-9		FT. STEELE M.D., B.C.
DATE	DRAWN BY	APPENDIX
OCT. 2000	L.P.G./Chong	7
		MAP. 3A

W

E

LEGEND

- TERTIARY**  
 [lamp] Lamprophyre dike
- MIDDLE PROTEROZOIC**  
 [A2] Middle Aldridge Formation ( Light grey wackes, quartz wackes, siltstone, argillite )  
 [frg] Fragmental Unit ( Siltstone fragmental at lower - middle Aldridge contact )  
 [A1] Lower Aldridge Formation ( Light to medium grey, rusty weathering siltstone, quartzitic wacke and wacke )  
 [gb+] Gabbro ( Moyle Intrusives - fine grained to medium grained sills and dike complexes )
- sist Siltstone  
 mud Mudstone
- Geological contact  
 ~~~~~ Fault  
 18371 — Sample number (line indicated top of sample interval)  
 ⊙ Laminite location and stratigraphic markers  
 SH Sullivan Horizon equivalent



GEOLOGICAL SURVEY BRANCH  
 WESTERN ONTARIO

26,351

**Rio Algom Exploration Inc.**  
**PYRAMID PEAK PROPERTY**

**DRILL HOLE SECTION**  
**DDH PPOO-2**

N.T.S. 82G-9 FT. STEELE M.D., B.C.

DATE OCT. 2000 DRAWN BY P.D., L.P.G./Chong APPENDIX 7 MAP 3B