

2000 GEOLOGICAL EVALUATION

**OF THE
BOOTLEG PROPERTY**

LATITUDE 49° 40' 00"N LONGITUDE 116° 08' 00"W

NTS 082F/09

FORT STEELE MINING DIVISION, BRITISH COLUMBIA, CANADA

PREPARED BY

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FOR

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**GEOLOGICAL SURVEY OF CANADA
OCTOBER, 2000**

26,363

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1.0 Abstract

The Bootleg property comprises 110 mineral claims with a total of 186 claim units. The property is the subject of an option agreement between Rio Algom Exploration Inc. (Rio Algom) and Eagle Plains Resources Ltd., dated April 5, 2000. 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 and Bootleg Forest Service Roads. Elevations on the property range from 1200m to 2609m above sea level. Higher elevations on the property were accessed by helicopter from a base in Cranbrook.

The Bootleg 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 located 12km east-northeast of the centre of the Bootleg property. 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 Bootleg property was the LMC. Fieldwork was carried out between June 13 and July 31, 2000. Geological mapping and lithochemical sampling was geared towards confirming previous geological mapping and interpretations.

Much of the Bootleg property is underlain by lower Aldridge Formation and gabbros. The LMC was mapped on the western side of the property, with a gentle westward to northwestward dip. The geometry of the contact is complicated east-trending faults, north dipping faults, and by minor folding. Geological mapping (this report) led to the selection of a drill hole target. Results of this diamond drill hole are discussed in a companion report.

2.0 Introduction

2.1 Property Location, Access and Physiography

The Bootleg property comprises 110 mineral claims with a total of 186 claim units. The property is centred north of Bootleg Mountain, west of Kimberley, B.C. The Bootleg property is within the Fort Steele Mining Division, covered by NTS map sheet 82F/09E, and is centred at 49° 40' 00" north and longitude 116° 08' 00" west (Figure 1). The St. Mary River runs south of the property. A major tributary, Matthew Creek runs through the northeast and eastern portions of the Bootleg property.

Road access to the property is via the St. Mary Lake Road, the Matthew Creek and Bootleg Forest Service Roads, and minor branches and overgrown tracks. Because of the relatively rugged ground and limited road access, a helicopter was used on several traverses to access the high alpine areas in the vicinity of Bootleg Mountain.

The property is located within the Purcell Mountains, at elevations ranging from 1200m above sea level in the Matthew Creek valley, to 2609m at the summit of Bootleg Mountain. Vegetation at lower elevations consists of mature timber. Some of these forests have been logged and/or burned over. At higher elevations, scrub spruce, willow, and alpine shrubs and grasses predominate. The high ridges and cirques expose bare rock and talus. Outcrop exposure is good on the ridges, and relatively poor on the forested valley slopes. The climate is characterized by low to moderate precipitation with temperatures ranging from -30° Celsius in the winter to over 25° Celsius in the summer. The project area is generally accessible from late June to mid-October, depending on the preceding winter's snowfall.

2.2 Claim Status

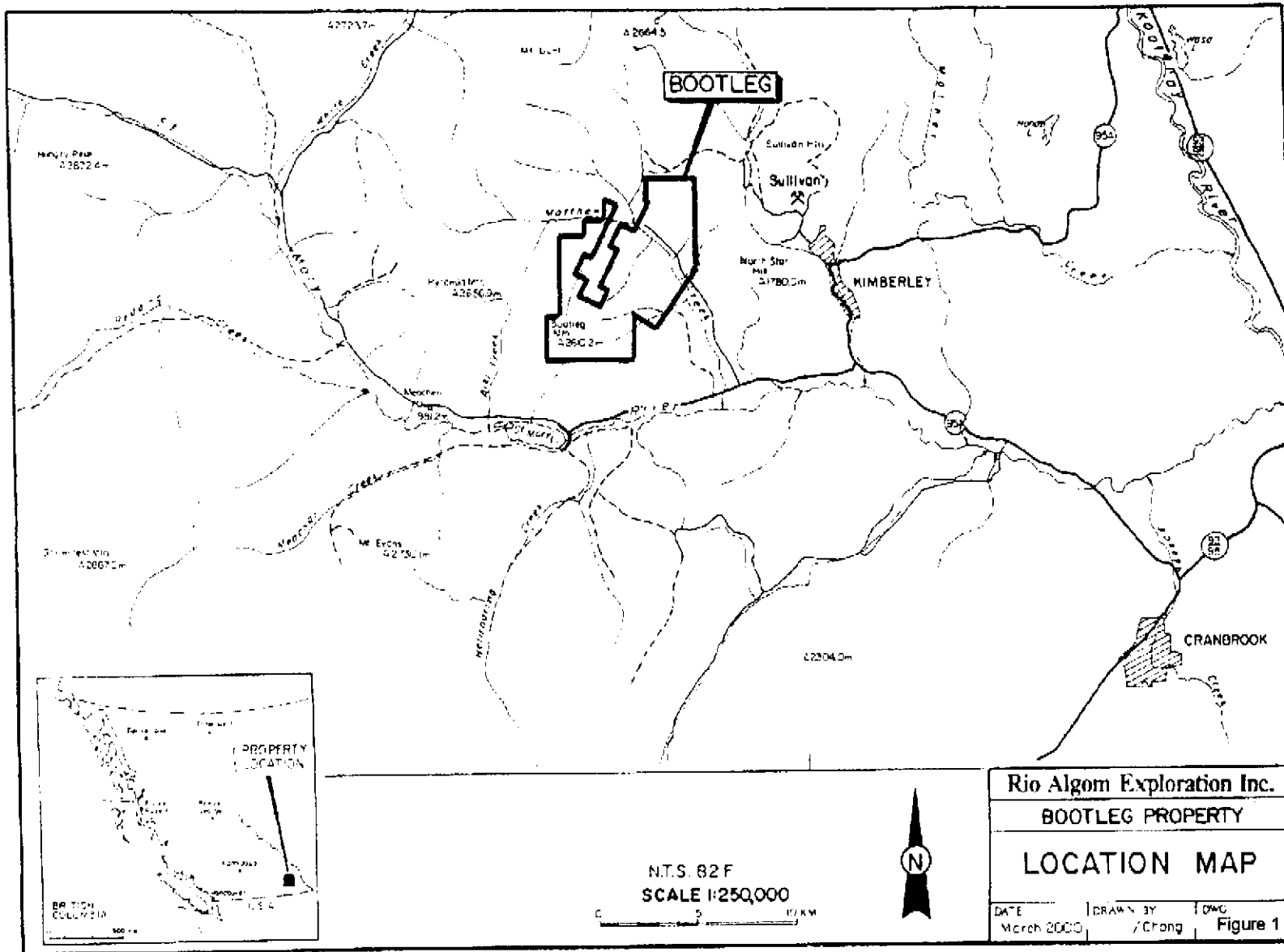
The 110 mineral claims of the Bootleg property are owned by Rio Algom Exploration Inc., subject to an option agreement with Eagle Plains Resources Ltd. dated April 5, 2000. The claims cover an area of approximately 33km². A listing of claims and their status is attached in Appendix I. The expiry dates of the claims reflect the filed assessment work credits detailed in this report.

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 Pyramid Creek areas west of the Bootleg property. These date to the 1890s or early part of the 1900s.

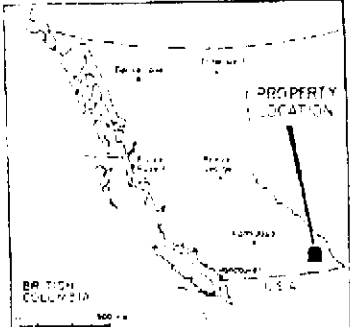
Current exploration activities in the East Kootenays are mostly focussed on lead-zinc mineralization within the Aldridge Group, particularly in the Sullivan-North Star corridor, the Moyie-Yahk area and the Findlay-Skookumchuck Creek area.

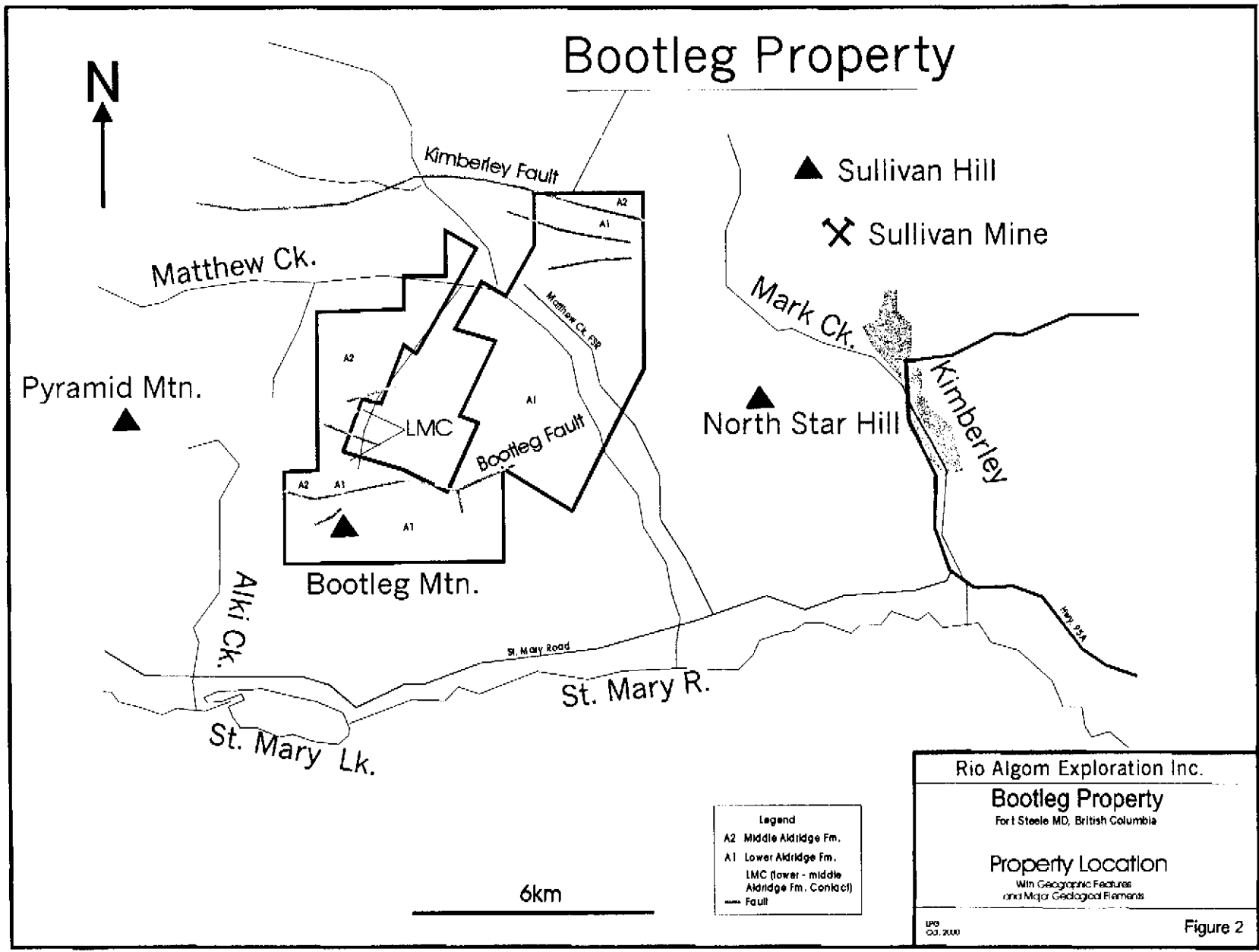
Cominco has conducted exploration in the Bootleg area in the past, as part of their regional search for Sedex deposits in the Aldridge Formation. This work included some drilling in the 1980s. Cominco continues to hold claims in the immediate area. Eagle Plains Resources Ltd. staked the initial claims of the Bootleg Property in January, 1996. From 1996 to 1999 Eagle Plains undertook exploration of the Bootleg Property, consisting of geochemical sampling, prospecting and mapping.



Rio Algom Exploration Inc.		
BOOTLEG PROPERTY		
LOCATION MAP		
DATE March 2000	DRAWN BY /Chang	DWG. Figure 1

N.T.S. 82 F
SCALE 1:250,000





3.0 Regional Geology

The Bootleg area was mapped at a regional scale by Leech (1957). Reesor (1996) compiled the geology for the east half of NTS 82/F. More recent mapping was done by Hoy (1993), and Eagle Plains Resources Ltd. consultants (1997-1999). The following geological description is summarised from several published sources.

The Bootleg 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). The strata are preserved in an area 750km long and 550km wide extending from southeastern British Columbia to eastern Washington, Idaho and western Montana.

The claim area is underlain by the Aldridge Formation, the lowermost division of the Purcell Supergroup. The Aldridge Formation is divisible into a lower, middle and upper unit. The lower Aldridge Formation is comprised of thin bedded, rusty weathering, fine-grained quartzitic wackes, siltstones and some argillites. A grey weathering quartzite marker unit (the "Footwall Quartzite") lies approximately 150 metres below the stratigraphic top of the lower Aldridge. The uppermost part of the lower Aldridge Formation 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 first appearance of medium to thick-bedded quartz wacke units marks the contact of the lower Aldridge with the middle Aldridge Formation. 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. Fragmental rocks are known from the Bootleg Property to occur at the LMC, and also within the lower Aldridge Formation.

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. A series of these sills form the conspicuous bluffs on the south face of Bootleg Mountain. The sills are interpreted to be syn-depositional, and to have intruded unlithified sediments without any loss of sedimentary stratigraphy.

In the Bootleg 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 through the northeastern corner of the Bootleg 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.

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 southwest of the Bootleg property, at the confluence of Matthew Creek and the St. Mary River valley. This amphibolite grade and structural features suggest a core complex or a large-scale fold structure with a high amount of structural relief. 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 Bootleg 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 and northwestward within a series of fault bounded blocks. North and northwest trending open folds occur locally. The middle Aldridge is restricted to the west side of the property, and the extreme northeast corner in the hanging wall of the Kimberley Fault. The lower Aldridge Formation and gabbro sills outcrop elsewhere. Several east trending faults cut across the property, most with a north side down displacement. North trending faults are generally of minor importance.

Sections 6.1-6.4 discuss the property geology in greater detail.

5.0 2000 Exploration Results

5.1 Objective and Exploration Target

The exploration target for Rio Algom Exploration Inc. on the Bootleg property is a Sullivan-type sedimentary exhalative (Sedex) lead-zinc sulphide deposit stratigraphically situated at the lower Aldridge-middle Aldridge contact (LMC). Geological information as mapped by previous workers, including recent work by Eagle Plains Resources Ltd. (1996-9), was utilised as a base from which mapping traverses were planned.

The objective for the 2000 mapping program was to confirm geology from previous work and to ascertain if the location and geometry of the LMC on the property would make a reasonable drill target. Geological outcrop mapping, stratigraphic marker determinations (from within the middle Aldridge) and construction of cross sections were utilised to develop geologic target(s) for drill testing.

5.2 Procedure

A geological mapping program was conducted between June 13 and July 31 2000, based out of Kimberley, as well as a tent camp on Matthew Creek. Mapping was done at a 1:10,000 scale utilizing TRIM base maps, and existing geological data as compiled from assessment reports, unpublished data and published government files. Navigation was aided by GPS, altimeter and compass. Field mapping was concentrated around the position of the LMC as mapped by previous workers, as well as along ridges and in alpine bowls that afforded the best exposure.

Siegfried O. Weidner, senior geologist for Rio Algom Exploration Inc., supervised the mapping program. Leonard Gal, P.Geo. carried out field mapping, assisted by Lloyd Addie. Dave Pighin of Supergroup Holdings Ltd. identified a marker laminite sample collected from the middle Aldridge Formation.

Lithogeochemical 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

The geological map (Map 1) and cross sections (Map 2), both at a scale of 1:10,000 are presented in Appendix V.

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

Lower Aldridge (A1)

The lower Aldridge strata are thin bedded, fine grained and typically rusty weathering due to disseminated pyrrhotite and/or pyrite. Lithologies are mainly wacke, quartzitic wacke and siltstone. Size grading, cross beds and laminations were locally observed. Abundant disseminated biotite and muscovite occur in most beds. Some units with coarser micas were schistose in texture, particularly near gabbro contacts and in fault and fracture zones. The lower Aldridge Formation outcrops throughout much of the property, with good exposures east and north of Bootleg Mtn. The footwall quartzite marker (FWQ) within the A1 was traced between the Bootleg Fault and the next fault to the north.

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, subwackes, siltstones and minor argillites. Much of the A2 metasediments comprise thin to medium beds of quartz wacke or quartzitic wacke sometimes coupled with an overlying thin bed of laminated siltstone. They were described as A-E turbidites. The A2 beds locally displayed normal grading, load structures, ripples, cross beds and slumped bedding (soft sediment deformation) features. Siltstone and argillite beds commonly less than 20cm thick are generally rusty weathering and preferentially foliated. The A2 quartz wackes and quartzitic wackes are generally less micaceous than similar A1 lithologies.

The A2 is restricted in outcrop to the western margin of the property, as well as in the hanging wall of the Kimberley Fault in the extreme northeast corner of the property.

A single laminite marker was collected from just north of the property boundary. It was identified by Dave Pighin of Supergroup Holdings Ltd., as the Park marker, which occurs 677m stratigraphically above the LMC. The lack of markers collected was due to the general lack of A2 outcrop, as well as the low stratigraphic position of the exposed A2. The lowest widely distributed marker in the A2 occurs 185m above the LMC. The location and particulars of the collected marker unit are listed in Appendix II.

Fragmentals (Frag)

Fragmental rocks were mapped at the LMC, and correlated with the Clair fragmental. The thickness and form of these units vary considerably. In most locations, the fragmental unit is a massive rusty weathering micaceous fine-grained wacke, with small ovoid mud, silt and wacke fragments. The fragments are usually sparsely distributed, and may be albite or sericite altered. The fragmental unit is generally distinguished by its distinct outcrop and weathering pattern, and lack of internal stratification. The best exposure of fragmental at the LMC, herein termed the Bootleg fragmental, was mapped on the south side of a small creek at 556700E, 5504350N. The fragmental here is exposed in several outcrops and float boulders, and the thickness is estimated to be at least 25m. The unit is a rusty weathering micaceous wacke, with sparse to abundant subrounded fragments of pyrrhotized wacke and mud. Lesser amounts of albitized fragments were observed. The pyrrhotized fragments were interpreted to be replacement / alteration features, rather than fragments of disaggregated massive sulphide.

Light grey weathering quartz wacke fragmental was observed in the A2, approximately 40-50m stratigraphically above the LMC, on the ridge NW of Bootleg Mtn. The matrix-supported fragments are sparse to plentiful and comprise mainly altered ovoid mudchips.

Fragmental rocks were also observed within the A1, conformable to bedding at a few locations northeast of Bootleg Mtn. (i.e. 562000E, 5502100N). These fragmental beds resemble the Bootleg fragmental, but with far fewer pyrrhotized fragments. The massive, micaceous nature and distinct weathering of the units are similar. The A1 fragmental units were not traced for any great distance along strike. Nearby beds within the A1 resemble fragmentals, but are actually host to abundant small, biotite, albite +/- calcite altered concretions.

Gabbro (gb)

The Moyie intrusions were observed to intrude the lower and middle Aldridge Formation as sills and more rarely, dikes. Compositionally, these rocks have been defined as gabbro to diorite, although the field term gabbro was used to indicate all Moyie intrusions. They are dark grey to dark greenish brown on fresh surfaces and weathered brown, light to dark grey or rusty. In some places the gabbros are rather light coloured, owing to increased amounts of plagioclase (probably due to albite alteration). The sills are generally medium-grained, with both coarse and fine-grained phase. Textures are equigranular to hornblende (and more rarely plagioclase) porphyritic. Biotite chlorite and quartz (with albite, tremolite and calcite) were observed as alteration and/or metamorphic phases. Disseminated pyrrhotite and traces of chalcopyrite are common locally, as are calcite and quartz fracture fillings. Generally, the Moyie intrusives are non-magnetic except where disseminated pyrrhotite is present in sufficient quantities.

Gabbro sills (and rare crosscutting dykes) occurred throughout the Bootleg property, particularly on the southern half. A relatively thick gabbro sill outcrops at the head of "Bridge Creek", bounded on the north side by the Bootleg Fault. The same sill is present

on the ridges northeast of Bootleg Mtn., and on the east side of lower Bridge Creek, albeit at a higher stratigraphic level. East of Bootleg Mtn. and in the Matthew Creek valley are several more gabbro sills that were not fully mapped due to poor exposure and fewer traverses in this area. A 20-30m thick gabbro sill was mapped northwest of Bootleg Mtn., just below the LMC. This sill was traced northward for 1.5km, gently dipping to the west. It was abruptly cut off at the Bootleg Fault, although the LMC did not show much apparent displacement. It was inferred that the gabbro sill dropped down section along the fault. Sills that locally crosscut stratigraphy, or "arch", are well known in the Aldridge Formation.

6.2 Structure

As mentioned above the bedded Aldridge Formation rocks dip gently to moderately to the west and northwest. Minor dip reversals in localised areas were interpreted as small-scale folds. Perturbations of bedding were also recorded at or near the LMC, and near the contacts with gabbros. In the latter case, it was thought that soft sediment deformation may have been the cause.

Foliations are almost always developed within finer grained siltstone units, and in some case the foliations are refracted through alternating wacke-siltstone interbeds. Foliations are in most cases steeper than the corresponding bedding. This cleavage was 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 were generally gentle open flexures. A gently northwest plunging, open syncline was mapped in the northwest corner of the property.

Several large east west oriented faults were mapped on the property (Appendix V, Map 1). The north dipping Kimberley Fault cut across the northeast corner of the property. The last motion on this fault is considered to be normal, with a left-lateral component. Some parallel faults were inferred from structural fabrics to lie just south of the Kimberley Fault. A fault with north-side-down displacement offsets the Bootleg fragmental (and LMC) at 560700E, 5504450N. Further south another north-side-down fault was inferred at 559000E, 5503300N. The west trending Bootleg Fault crosses the property near the head of "Bridge Creek". There appeared to be only minor offset (north-side-down) on the west side of the property, although displacement apparently increased to the east. The dip of the fault zone was determined to be steep to moderate to the north. Several small north and northeast trending faults were mapped. West side down motion on two of these faults was inferred at 559300E, 5503150N, and just northwest of the peak of Bootleg Mtn.

The LMC was the main focus of the mapping program, and it was located just northwest of Bootleg Mtn. in the southwest corner of the property. The gently west dipping contact was traced northward to the Bootleg Fault, where it was apparently down-dropped slightly to the north. A further north side down displacement was inferred across an east trending fault at 559000E, 5503300N. North of this fault, the LMC was traced striking east-northeast, with a gentle dip to the northwest. The Bootleg fragmental at the LMC is apparently thickened just

south of a fault at 560700E, 5504300N, where the LMC was once again displaced downward to the north. From this point, the LMC is interpreted to have a gentle northwest dip to the northwest corner of the property.

6.3 Alteration

A regional greenschist facies metamorphism affects all rocks on the property. A high-grade zone characterized by sillimanite has been documented southeast of the property. A commonly observed feature of the quartz wackes and coarser quartz rich sediments of the Aldridge Formation were spherical to flattened 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 these bodies suggests metamorphism of a bulk composition differing from the host sediments

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 observed in A1 wackes adjacent to gabbro sills, particularly northeast of Bootleg Mtn. 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.

Tourmalinite alteration reported by Eagle Plains Resources Ltd. (Downie, 2000) was not positively confirmed, but fine needles of tourmaline were tentatively identified in some samples of A1 in the area, as well as tourmaline in nearby quartz veins.

6.4 Mineralization and Analytical Results

Thirteen rock samples were collected from float and surface outcrops for 28 element ICP analysis, and gold by AA-fire assay methods. Samples were collected principally from near the LMC.

The highest values for base metal mineralization were found in sample 16718 which yielded 128ppm Pb and 267ppm Zn. This was a float sample from the Bootleg Fragmental. Samples 16735 and 16736 were both anomalously high in arsenic, assaying 1785ppm As and 140ppm As respectively. Sample 16735 is from highly disrupted, somewhat altered (fragmental?) A1. Sample 16736 is from a 2m fragmental bed within the A1, close to the trace of the Bootleg Fault.

The remaining samples were not significantly anomalous in base or precious metal values.

7.0 Summary and Conclusions

The Bootleg property comprises 110 mineral claims with a total of 186 claim units. The property is situated west of Kimberley, and north of the St. Mary River. The property covers exposures of the Proterozoic lower and middle Aldridge Formations of the Purcell Supergroup. The Aldridge Formation, particularly the lower–middle contact (LMC) was of interest because at Kimberley, the Sullivan Mine is hosted just below the LMC.

The 2000 geological evaluation on the Bootleg property consisted of geological mapping and lithogeochemical sampling. The aim was to understand the structure and geometry of the LMC, and to appraise possible drill targets that could test the LMC at depth, where earlier surface or near surface data did not already suggest that no massive sulphide occurred at the horizon. The mapping of the LMC suggests that the northwest corner of the property is a suitable target area for testing the LMC at depth. The thickness of Bootleg fragmental unit, and the anomalous base metal content in one sample provides further encouragement.

A drill test is recommended for the LMC in this area.

8.0 Statement of Expenditures

The following expenses were incurred on the Bootleg Option property for the period June 13, 2000 to July 31, 2000:

Personnel		
Leonard Gal, P.Geo*	14 days @ \$300/day	\$4,200
Lloyd Addie, Assistant	14 days @ \$197/day	\$2,758
Siegfried Weidner**	3 days @ \$350/day	\$1,050
Benefits and H.O. Supervision		\$ 375
Transportation		
Truck Rental	14 days @ \$100/day	\$1,400
ATV Rental	14 days @ \$ 47/day	\$ 653
Accommodation		\$ 700
	14 days @ \$50/day	
Meals/Groceries		\$ 700
	14 days @\$25/day/man(2)	
Airfares		\$ 700
Vancouver – Cranbrook	1 return @ \$ 700/return	
Consultants		\$ 300
Supergroup Holdings Ltd.		
Analytical		\$ 250
Eco-Tech Laboratories, Kamloops		
Field Supplies		\$ 212
Consumables, maps, reports		
Drafting/Reproductions		\$ 600
Luminai Drafting Ltd.		
Total		<u>\$13,903</u>

*Field administration, mapping, report writing and interpretation

** Program administration, supervision, reporting and interpretation


9.0 Statement of Qualifications

Leonard Gal

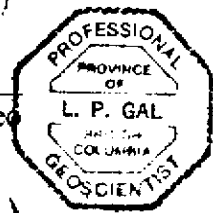
I, Leonard Gal, of North Vancouver, British Columbia hereby certify that:

- 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 P. 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 Bootleg option property and have detailed knowledge of the contents of this report.

Dated this 31st day of October, 2000

Signed : 
Siegfried Weidner
(Rio Algom Exploration Inc.)

10.0 Bibliography

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APPENDIX I

Property Claim Status

EAGLE PLAINS RESOURCES
Bootleg Project

Project	Location	Ownership	Option/ Anniversary	NSR %	Tenure Number	Claim Name	Map Number	Recording Date	Expiry Date	Mining Division	Units	Tag Number
Bootleg	E. Kootenay	100% EPL	N/A	N/A	342999	BOOT 1	082F09E	1996Jan16	2001NOV20	5 Ft. Steele	20	230963
Bootleg	E. Kootenay	100% EPL	N/A	N/A	343000	BOOT 2	082F09E	1996Jan16	2000NOV20	5 Ft. Steele	20	230964
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366826	BOOT 5	082F09E	1998Oct24	2000NOV20	5 Ft. Steele	20	232897
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366827	BOOT 6	082F09E	1998Oct25	2000NOV20	5 Ft. Steele	20	232898
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366828	BL 1	082F09E	1998Oct22	2002NOV20	5 Ft. Steele	1	687501M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366829	BL 2	082F09E	1998Oct22	2002NOV20	5 Ft. Steele	1	687502M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366830	BL 3	082F09E	1998Oct22	2002NOV20	5 Ft. Steele	1	687503M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366831	BL 4	082F09E	1998Oct22	2002NOV20	5 Ft. Steele	1	687504M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366832	BL 5	082F09E	1998Oct22	2002NOV20	5 Ft. Steele	1	687505M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366833	BL 6	082F09E	1998Oct22	2002NOV20	5 Ft. Steele	1	687506M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366834	BL 7	082F09E	1998Oct22	2002NOV20	5 Ft. Steele	1	687507M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366835	BL 8	082F09E	1998Oct22	2000NOV20	5 Ft. Steele	1	687508M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366836	BL 9	082F09E	1998Oct22	2000NOV20	5 Ft. Steele	1	687509M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366837	BL 10	082F09E	1998Oct22	2000NOV20	5 Ft. Steele	1	687510M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366838	BL 11	082F09E	1998Oct22	2000NOV20	5 Ft. Steele	1	687511M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366839	BL 12	082F09E	1998Oct22	2000NOV20	5 Ft. Steele	1	687512M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366840	BL 13	082F09E	1998Oct22	2000NOV20	5 Ft. Steele	1	687513M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366841	BL 14	082F09E	1998Oct22	2000NOV20	5 Ft. Steele	1	687514M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366842	BL 15	082F09E	1998Oct22	2000NOV20	5 Ft. Steele	1	687515M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366843	BL 16	082F09E	1998Oct22	2000NOV20	5 Ft. Steele	1	687516M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366844	BL 17	082F09E	1998Oct24	2000NOV20	5 Ft. Steele	1	687517M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366845	BL 18	082F09E	1998Oct24	2000NOV20	5 Ft. Steele	1	687518M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366846	BL 19	082F09E	1998Oct24	2000NOV20	5 Ft. Steele	1	687519M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366847	BL 20	082F09E	1998Oct24	2000NOV20	5 Ft. Steele	1	687520M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366850	BL 21	082F09E	1998Oct24	2000NOV20	5 Ft. Steele	1	687521M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366851	BL 22	082F09E	1998Oct24	2000NOV20	5 Ft. Steele	1	687522M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366852	BL 23	082F09E	1998Oct24	2000NOV20	5 Ft. Steele	1	687523M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366853	BL 24	082F09E	1998Oct24	2000NOV20	5 Ft. Steele	1	687524M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366854	BL 25	082F09E	1998Oct24	2000NOV20	5 Ft. Steele	1	687525M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366855	BL 26	082F09E	1998Oct24	2000NOV20	5 Ft. Steele	1	687526M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366856	BL 27	082F09E	1998Oct24	2000NOV20	5 Ft. Steele	1	687527M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366857	BL 28	082F09E	1998Oct24	2000NOV20	5 Ft. Steele	1	687528M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366858	BL 29	082F09E	1998Oct24	2000NOV20	5 Ft. Steele	1	687529M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366859	BL 30	082F09E	1998Oct24	2000NOV20	5 Ft. Steele	1	687530M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366860	BL 31	082F09E	1998Oct24	2000NOV20	5 Ft. Steele	1	687531M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366861	BL 32	082F09E	1998Oct24	2000NOV20	5 Ft. Steele	1	687532M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366862	BL 33	082F09E	1998Oct24	2000NOV20	5 Ft. Steele	1	687533M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366863	BL 34	082F09E	1998Oct24	2000NOV20	5 Ft. Steele	1	687534M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366864	BL 35	082F09E	1998Oct24	2000NOV20	5 Ft. Steele	1	687535M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366865	BL 36	082F09E	1998Oct24	2000NOV20	5 Ft. Steele	1	687536M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366866	BL 37	082F09E	1998Oct24	2000NOV20	5 Ft. Steele	1	687537M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366867	BL 38	082F09E	1998Oct24	2000NOV20	5 Ft. Steele	1	687538M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366848	BL 39	082F09E	1998Oct24	2000NOV20	5 Ft. Steele	1	687539M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366849	BL 40	082F09E	1998Oct25	2000NOV20	5 Ft. Steele	1	687540M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366868	BL 41	082F09E	1998Oct25	2000NOV20	5 Ft. Steele	1	687541M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366869	BL 42	082F09E	1998Oct25	2000NOV20	5 Ft. Steele	1	687542M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366870	BL 43	082F09E	1998Oct25	2000NOV20	5 Ft. Steele	1	687543M
Bootleg	E. Kootenay	100% EPL	N/A	N/A	366871	BL 44	082F09E	1998Oct25	2000NOV20	5 Ft. Steele	1	687544M

EAGLE PLAINS RESOURCES
Bootleg Project

Project	Location	Ownership	Option/ Anniversary	NSR %	Tenure Number	Claim Name	Map Number	Recording Date	Expiry Date	Mining Division	Units	Tag Number
Bootleg	E.Kootenay	100% EPL	N/A	N/A	366872	BL 45	082F09E	1998Oct25	2000NOV20	5 Ft. Steele	1	687545M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	366873	BL 46	082F09E	1998Oct25	2000NOV20	5 Ft. Steele	1	687546M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	371303	Mil 1	082F09E	1999Aug25	2003AUG25	5 Ft. Steele	1	690221M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	371304	Mil 2	082F09E	1999Aug25	2003AUG25	5 Ft. Steele	1	690222M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	371305	Mil 3	082F09E	1999Aug25	2003AUG25	5 Ft. Steele	1	690223M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	371306	Mil 4	082F09E	1999Aug25	2003AUG25	5 Ft. Steele	1	690224M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	371307	Mil 5	082F09E	1999Aug25	2003AUG25	5 Ft. Steele	1	690225M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	371308	Mil 6	082F09E	1999Aug25	2003AUG25	5 Ft. Steele	1	690226M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	371309	Mil 7	082F09E	1999Aug25	2003AUG25	5 Ft. Steele	1	690227M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	371310	Mil 8	082F09E	1999Aug25	2003AUG25	5 Ft. Steele	1	690228M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	371311	Mil 9	082F09E	1999Aug25	2003AUG25	5 Ft. Steele	1	690229M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	371312	Mil 10	082F09E	1999Aug25	2003AUG25	5 Ft. Steele	1	690230M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	371313	Mil 11	082F09E	1999Aug25	2003AUG25	5 Ft. Steele	1	690231M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	371314	Mil 12	082F09E	1999Aug25	2003AUG25	5 Ft. Steele	1	690232M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	371315	Mil 13	082F09E	1999Aug26	2003AUG26	5 Ft. Steele	1	690233M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	371316	Mil 14	082F09E	1999Aug26	2003AUG26	5 Ft. Steele	1	690234M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	371317	Mil 15	082F09E	1999Aug26	2003AUG26	5 Ft. Steele	1	690235M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	371318	Mil 16	082F09E	1999Aug26	2003AUG26	5 Ft. Steele	1	690236M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	371319	Mil 17	082F09E	1999Aug26	2003AUG26	5 Ft. Steele	1	690237M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	371320	Mil 18	082F09E	1999Aug26	2003AUG26	5 Ft. Steele	1	690238M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	371321	Mil 19	082F09E	1999Aug26	2003AUG26	5 Ft. Steele	1	690239M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	371322	Mil 20	082F09E	1999Aug26	2003AUG26	5 Ft. Steele	1	690240M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	371323	Mil 21	082F09E	1999Aug26	2003AUG26	5 Ft. Steele	1	690241M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	371324	Mil 22	082F09E	1999Aug26	2003AUG26	5 Ft. Steele	1	690242M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	371325	Mil 23	082F09E	1999Aug26	2003AUG26	5 Ft. Steele	1	690243M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	371326	Mil 24	082F09E	1999Aug26	2003AUG26	5 Ft. Steele	1	690244M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373632	Mil 25	082F09E	1999Nov19	2000NOV19	5 Ft. Steele	1	694165M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373633	Mil 26	082F09E	1999Nov19	2000NOV19	5 Ft. Steele	1	694166M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373634	Mil 27	082F09E	1999Nov19	2000NOV19	5 Ft. Steele	1	694167M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373635	Mil 28	082F09E	1999Nov19	2000NOV19	5 Ft. Steele	1	694168M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373636	Mil 29	082F09E	1999Nov19	2000NOV19	5 Ft. Steele	1	694169M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373637	Mil 30	082F09E	1999Nov19	2000NOV19	5 Ft. Steele	1	694170M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373638	Mil 31	082F09E	1999Nov19	2000NOV19	5 Ft. Steele	1	694171M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373639	Mil 32	082F09E	1999Nov19	2000NOV19	5 Ft. Steele	1	694172M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373640	Mil 33	082F09E	1999Nov19	2000NOV19	5 Ft. Steele	1	694173M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373641	Mil 34	082F09E	1999Nov19	2000NOV19	5 Ft. Steele	1	694174M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373642	Mil 35	082F09E	1999Nov19	2000NOV19	5 Ft. Steele	1	694175M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373643	Mil 36	082F09E	1999Nov19	2000NOV19	5 Ft. Steele	1	694176M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373644	Mil 37	082F09E	1999Nov19	2000NOV19	5 Ft. Steele	1	694177M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373645	Mil 38	082F09E	1999Nov19	2000NOV19	5 Ft. Steele	1	694178M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373646	Mil 39	082F09E	1999Nov24	2000NOV24	5 Ft. Steele	1	694179M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373647	Mil 40	082F09E	1999Nov24	2000NOV24	5 Ft. Steele	1	694180M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373648	Mil 41	082F09E	1999Nov24	2000NOV24	5 Ft. Steele	1	694181M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373649	Mil 42	082F09E	1999Nov24	2000NOV24	5 Ft. Steele	1	694182M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373650	Mil 43	082F09E	1999Nov21	2000NOV21	5 Ft. Steele	1	694183M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373651	Mil 44	082F09E	1999Nov21	2000NOV21	5 Ft. Steele	1	694184M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373652	Mil 45	082F09E	1999Nov21	2000NOV21	5 Ft. Steele	1	694185M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373653	Mil 46	082F09E	1999Nov21	2000NOV21	5 Ft. Steele	1	694186M

EAGLE PLAINS RESOURCES
Bootleg Project

Project	Location	Ownership	Option/ Anniversary	NSR %	Tenure Number	Claim Name	Map Number	Recording Date	Expiry Date	Mining Division	Units	Tag Number
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373654	Mil 47	082F09E	1999Nov21	2000NOV21	5 Ft. Steele	1	694187M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373655	Mil 48	082F09E	1999Nov21	2000NOV21	5 Ft. Steele	1	694188M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373656	Mil 49	082F09E	1999Nov21	2000NOV21	5 Ft. Steele	1	694189M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373657	Mil 50	082F09E	1999Nov21	2000NOV21	5 Ft. Steele	1	694190M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373658	Mil 51	082F09E	1999Nov21	2000NOV21	5 Ft. Steele	1	694191M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373659	Mil 52	082F09E	1999Nov21	2000NOV21	5 Ft. Steele	1	694192M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373660	Mil 53	082F09E	1999Nov25	2000NOV25	5 Ft. Steele	1	694193M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373661	Mil 54	082F09E	1999Nov25	2000NOV25	5 Ft. Steele	1	694194M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373662	Mil 55	082F09E	1999Nov25	2000NOV25	5 Ft. Steele	1	694195M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373663	Mil 56	082F09E	1999Nov25	2000NOV25	5 Ft. Steele	1	694196M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373664	Mil 57	082F09E	1999Nov24	2000NOV24	5 Ft. Steele	1	694197M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	373665	Mil 58	082F09E	1999Nov24	2000NOV24	5 Ft. Steele	1	694198M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	374305	Gap 1	082F09E	2000Feb04	2001FEB04	5 Ft. Steele	1	687701M
Bootleg	E.Kootenay	100% EPL	N/A	N/A	374306	Gap 2	082F09E	2000Feb04	2001FEB04	5 Ft. Steele	1	687702M

Updated: August 14, 2000

Total: 186

APPENDIX II

Time Stratigraphic Marker Horizons (Marker Laminites)

UTM coordinates	Marker Horizon	Comments
565700E 5507700N	Park	Hangingwall of Kimberley Fault. Park marker is 677m above LMC at Sullivan Mine

APPENDIX III

Lithogeochemical Sample Descriptions

Sample Number	UTM Easting	UTM Northing	Description
16712	558613	5501746	Float fragmental
16717	560744	5504299	Representative chip across 3m of fragmental
16718	560744	5504299	Float quartz wacke with disseminated pyrrhotite and some pyrrhotite clasts?
16719	560744	5504299	Float quartz wacke fragmental with abundant pyrrhotite clasts
16720	560664	5504325	Chip across 30cm fragmental bed within middle Aldridge
16729	564409	5507123	Fragmental float
16735	561679	5501971	Grab muddy wacke with disrupted beds, pull-aparts, rip-ups. (fragmental). Biotite rich with possible tourmaline
16736	561290	5502365	Grab from 2m bed of massive fragmental greywacke
7794	566070	5506300	Grab albitized lower Aldridge with disseminated pyrrhotite
7795	565850	5505950	Select rusty lower Aldridge, silicified with pyrrhotite laminations
7797	562024	5502247	Grab fragmental bed in lower Aldridge
7798	562024	5502252	60cm chip sample across rusty lower Aldridge
7799	562174	5502431	Grab rusty lower Aldridge

APPENDIX IV
Analytical Sample Results

12-Jul-00

ECO-TECH LABORATORIES LTD.
10041 Dallas Drive
KAMLOOPS, 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	16710	<5	<0.2	0.70	<5	65	<5	0.14	<1	8	60	38	2.38	10	0.51	245	<1	<0.01	5	330	8	10	<20	<1	0.12	<10	10	<10	17	27
2	16712	<5	<0.2	1.06	<5	65	<5	0.14	<1	8	60	38	2.38	10	0.51	245	<1	<0.01	5	330	8	10	<20	<1	0.12	<10	10	<10	17	27
3	16713	<5	<0.2	0.90	<5	70	10	0.14	<1	16	46	34	3.65	20	0.73	326	2	0.01	20	440	128	<5	<20	<1	0.08	<10	10	<10	16	267
4	16714	<5	<0.2	0.80	<5	75	10	0.08	<1	5	48	11	2.05	20	0.80	181	<1	0.02	4	450	22	10	<20	3	0.11	<10	16	<10	12	28
5	16715	<5	<0.2	0.80	<5	75	10	0.08	<1	5	48	11	2.05	20	0.80	181	<1	0.02	4	450	22	10	<20	3	0.11	<10	16	<10	12	28
6	16716	<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	3	0.11	<10	16	<10	12	28
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	3	0.11	<10	16	<10	12	28
8	16718	<5	<0.2	0.90	<5	70	10	0.14	<1	16	46	34	3.65	20	0.73	326	2	0.01	20	440	128	<5	<20	<1	0.08	<10	10	<10	16	267
9	16719	<5	<0.2	0.67	<5	65	<5	0.10	<1	14	40	30	2.62	10	0.54	160	1	0.01	19	480	24	<5	<20	3	0.05	10	7	<10	9	55
10	16720	5	<0.2	0.46	<5	60	5	0.02	<1	2	45	11	1.95	20	0.17	63	<1	<0.01	2	350	10	<5	<20	1	0.05	<10	5	<10	2	9
11	16721	<5	<0.2	0.87	<5	70	10	0.08	<1	8	57	10	2.04	10	0.15	104	<1	0.01	5	350	8	5	<20	2	0.10	<10	11	<10	8	27
12	16722	<5	<0.2	0.10	<5	60	5	0.02	<1	2	45	11	1.95	20	0.17	63	<1	0.01	2	350	10	<5	<20	1	0.05	<10	5	<10	2	9
13	16723	<5	<0.2	1.10	<5	60	5	0.02	<1	2	45	11	1.95	20	0.17	63	<1	0.01	2	350	10	<5	<20	1	0.05	<10	5	<10	2	9

QC DATA:

Resplit:

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

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 Gal


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	16729	0.2	0.90	5	55	10	0.03	<1	5	68	9	1.50	20	0.21	137	<1	0.02	10	140	18	<5	<20	3	0.07	<10	10	<10	11	51
2	16729	0.2	0.90	5	55	10	0.03	<1	5	68	9	1.50	20	0.21	137	<1	0.02	10	140	18	<5	<20	3	0.07	<10	10	<10	11	51
3	16729	0.2	0.90	5	55	10	0.03	<1	5	68	9	1.50	20	0.21	137	<1	0.02	10	140	18	<5	<20	3	0.07	<10	10	<10	11	51
4	16729	0.2	0.90	5	55	10	0.03	<1	5	68	9	1.50	20	0.21	137	<1	0.02	10	140	18	<5	<20	3	0.07	<10	10	<10	11	51
5	16729	0.2	0.90	5	55	10	0.03	<1	5	68	9	1.50	20	0.21	137	<1	0.02	10	140	18	<5	<20	3	0.07	<10	10	<10	11	51
6	16729	<0.2	0.90	5	55	10	0.03	<1	5	68	9	1.50	20	0.21	137	<1	0.02	10	140	18	<5	<20	3	0.07	<10	10	<10	11	51

QC DATA:

Repeat:																														
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	
Standard:																														
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	

df/143
XLS/00
Fax: 604-669-0447


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

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	16735	5	<0.2	0.93	1785	85	<5	0.04	1	10	54	91	2.42	10	0.29	203	3	<0.01	19	230	12	<5	<20	1	0.02	<10	11	<10	2	31
2	16736	5	<0.2	1.28	140	105	15	0.07	<1	7	85	25	2.45	30	0.75	305	<1	0.03	2	370	24	5	<20	10	0.17	<10	27	<10	16	38
3	16737	5	<0.2	1.28	140	105	15	0.07	<1	7	85	25	2.45	30	0.75	305	<1	0.03	2	370	24	5	<20	10	0.17	<10	27	<10	16	38
4	16738	5	<0.2	1.28	140	105	15	0.07	<1	7	85	25	2.45	30	0.75	305	<1	0.03	2	370	24	5	<20	10	0.17	<10	27	<10	16	38
5	16739	5	<0.2	1.28	140	105	15	0.07	<1	7	85	25	2.45	30	0.75	305	<1	0.03	2	370	24	5	<20	10	0.17	<10	27	<10	16	38
6	16735	5	<0.2	0.93	1785	85	<5	0.04	1	10	54	91	2.42	10	0.29	203	3	<0.01	19	230	12	<5	<20	1	0.02	<10	11	<10	2	31
7	16736	5	<0.2	1.28	140	105	15	0.07	<1	7	85	25	2.45	30	0.75	305	<1	0.03	2	370	24	5	<20	10	0.17	<10	27	<10	16	38
8	16737	5	<0.2	1.28	140	105	15	0.07	<1	7	85	25	2.45	30	0.75	305	<1	0.03	2	370	24	5	<20	10	0.17	<10	27	<10	16	38
9	16738	5	<0.2	1.28	140	105	15	0.07	<1	7	85	25	2.45	30	0.75	305	<1	0.03	2	370	24	5	<20	10	0.17	<10	27	<10	16	38
10	16739	5	<0.2	1.28	140	105	15	0.07	<1	7	85	25	2.45	30	0.75	305	<1	0.03	2	370	24	5	<20	10	0.17	<10	27	<10	16	38

QC DATA:

Resplit:

1	16735	5	<0.2	0.93	1785	85	<5	0.04	1	10	54	91	2.42	10	0.29	203	3	<0.01	19	230	12	<5	<20	1	0.02	<10	11	<10	2	31
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Repeat:


1	16735	5	<0.2	0.93	1785	85	<5	0.04	1	10	54	91	2.42	10	0.29	203	3	<0.01	19	230	12	<5	<20	1	0.02	<10	11	<10	2	31
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Standard:

GEO'00

115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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df/187
XLS/00
Fax: 604-669-0447


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

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	40270	5	<0.2	1.11	<5	86	<5	0.52	<1	12	74	28	3.50	<10	0.00	0.60	0	0.00	17	100	00	10	00	10	0.07	<10	00	<10	00	00
27	40280	5	<0.2	1.21	<5	84	<5	0.40	<1	10	70	27	2.07	<10	0.00	0.51	0	0.00	17	100	00	10	00	10	0.12	<10	00	<10	00	00
28	40200	5	<0.2	1.20	<5	100	<5	0.60	<1	11	84	28	2.54	<10	0.05	1.70	0	0.00	15	110	00	5	00	15	0.10	<10	<10	<10	00	00
29	10000	5	<0.2	1.00	<5	145	<5	1.12	<1	10	70	27	2.52	<10	1.05	7.70	<1	0.05	15	520	260	10	<20	24	0.25	<10	17	<10	00	00
30	40100	5	<0.2	1.10	<5	70	<5	0.37	<1	84	70	20	2.70	<10	0.05	1.70	0	0.00	20	120	2170	15	<20	0	0.20	<10	20	<10	11	205
31	7794	<5	<0.2	0.51	<5	50	<5	0.08	<1	10	44	25	1.36	20	0.23	118	2	0.01	18	330	30	<5	<20	2	0.15	<10	<1	<10	27	13
32	7795	5	<0.2	0.92	<5	40	<5	0.12	<1	8	66	19	1.61	20	0.60	231	2	0.02	16	560	40	<5	<20	15	0.12	<10	2	<10	20	84

QC DATA:

Resplit:


1	10051	5	<0.2	0.70	<5	60	<5	0.21	<1	11	77	18	2.00	<10	0.42	0.70	0	0.00	15	200	14	<5	<20	7	0.09	<10	1	<10	10	00
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Repeat:

1	10054	5	<0.2	0.80	<5	70	<5	0.20	<1	11	70	10	2.20	<10	0.42	0.70	0	0.00	15	0.50	0	<5	00	11	0.10	<10	1	<10	10	00
10	10000	5	<0.2	0.70	<5	60	<5	0.60	<1	0	65	20	2.00	<10	0.51	0.60	0	0.00	15	0.50	00	<5	00	10	0.13	<10	11	<10	10	00
19	10070	5	<0.2	0.54	<5	40	<5	1.27	<1	0	65	20	2.24	<10	0.04	1.10	0	0.00	14	110	10	<5	00	50	0.00	<10	1	<10	10	00
28	10000	5	<0.2	0.54	<5	40	<5	1.27	<1	0	65	20	2.24	<10	0.04	1.10	0	0.00	14	110	10	<5	00	50	0.00	<10	1	<10	10	00

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

df/303
 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	7797	10	<0.2	1.05	<5	90	10	0.17	<1	6	59	19	2.18	10	0.51	313	<1	0.02	6	350	42	<5	<20	3	0.72	<10	11	<10	20	27
3	7798	10	<0.2	1.21	5	85	10	0.17	<1	6	57	25	3.08	10	0.64	330	<1	0.01	2	550	34	<5	<20	1	0.65	<10	17	<10	21	32
4	7799	10	<0.2	0.86	<5	90	5	0.12	<1	14	74	31	2.45	20	0.42	239	<1	0.02	16	360	24	<5	<20	2	0.51	<10	10	<10	18	38

QC DATA:

Resplit:

1	7797	10	<0.2	1.05	<5	90	10	0.17	<1	6	59	19	2.18	10	0.51	313	<1	0.02	6	350	42	<5	<20	3	0.72	<10	11	<10	20	27
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Repeat:

1	7797	10	<0.2	1.05	<5	90	10	0.17	<1	6	59	19	2.18	10	0.51	313	<1	0.02	6	350	42	<5	<20	3	0.72	<10	11	<10	20	27
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Standard:

GEO'00	120	0.8	1.71	50	185	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
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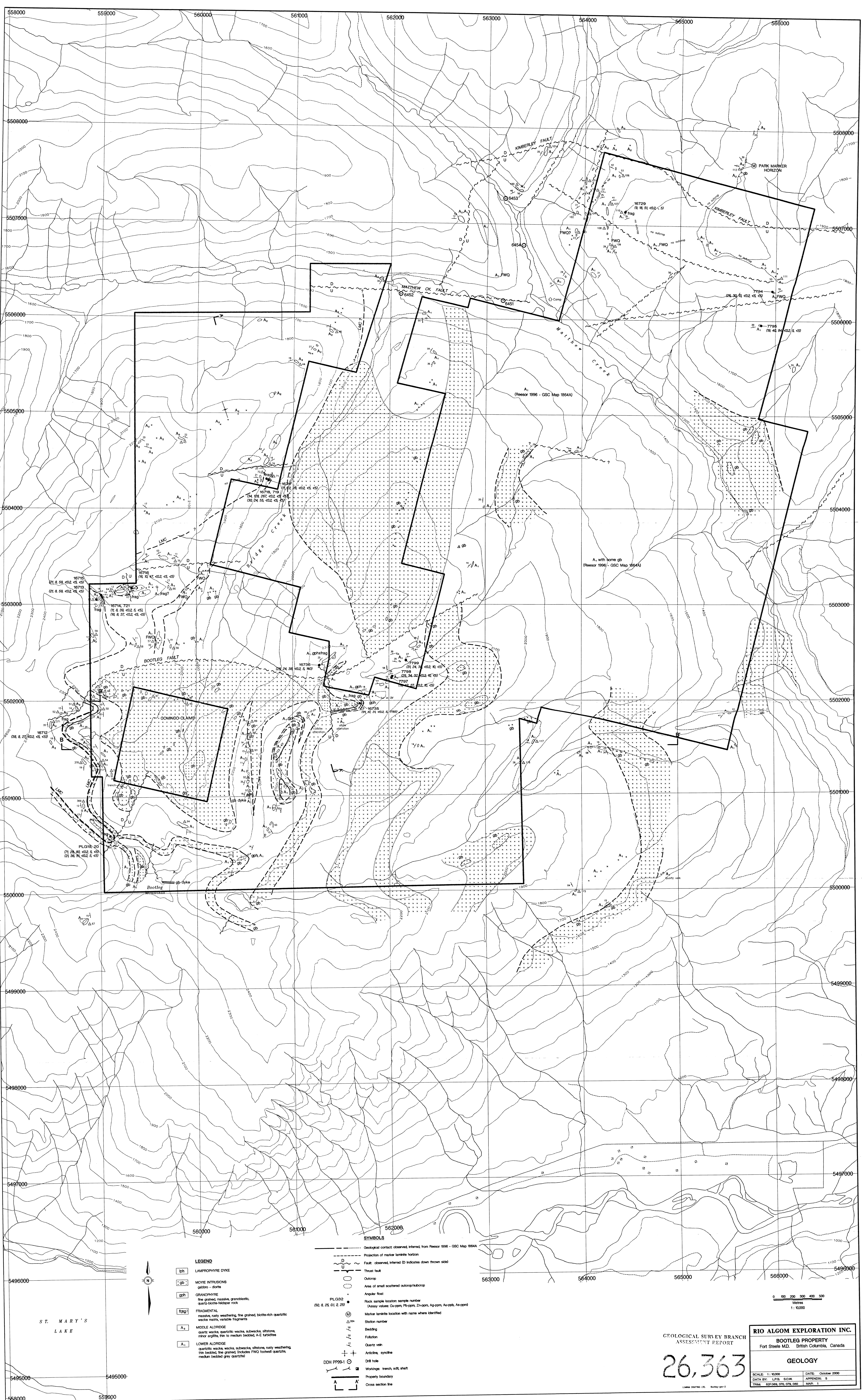
df/305
XLS/00
Fax: 804-869-0447



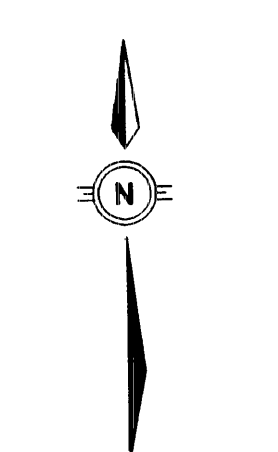
ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

APPENDIX V

Geological Maps and Sections

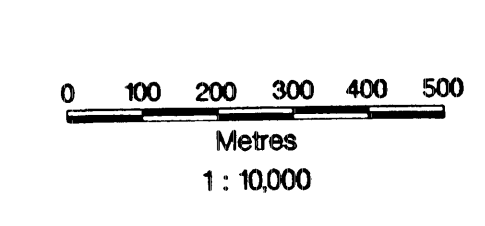


ST. MARY'S LAKE



- LEGEND**
- gh LAMPROPHYRE DYKE
 - gd MOYIE INTRUSIONS
gabbro - diorite
 - gph GRANOPHYRE
fine grained, massive, granoblastic,
quartz-biotite-feldspar rock
 - frag FRAGMENTAL
massive, rusty weathering, the ground, biotite-rich quartzitic
wacke matrix, variable fragments
 - A1 MIDDLE ALDRIDGE
quartz wacke, quartzitic wacke, schwaacke, siltstone,
minor argillite, thin to medium bedded, A-E turbidites
 - A2 LOWER ALDRIDGE
quartzitic wacke, wacke, subwacke, siltstone, rusty weathering,
thin bedded, the ground, includes FWO footwall quartzite,
medium bedded grey quartzite

- SYMBOLS**
- Geological contact observed, inferred, from Resour 1996 - GSC Map 1864A
 - Projection of marker laminite horizon
 - Fault: observed, inferred (D indicates down thrown side)
 - Thrust fault
 - Outcrop
 - Area of small scattered outcrop/burrows
 - Angular float
 - Rock sample location: sample number
(Sample values: Cu ppm, Pb ppm, Zn ppm, Ag ppm, Au ppm, As ppm)
 - Marker laminita location with name where identified
 - Station number
 - Bedding
 - Foliation
 - Quartz vein
 - Anticline, syncline
 - Drill hole
 - DDH P999-1
 - Working: trench, adit, shaft
 - Property boundary
 - Cross section line



GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

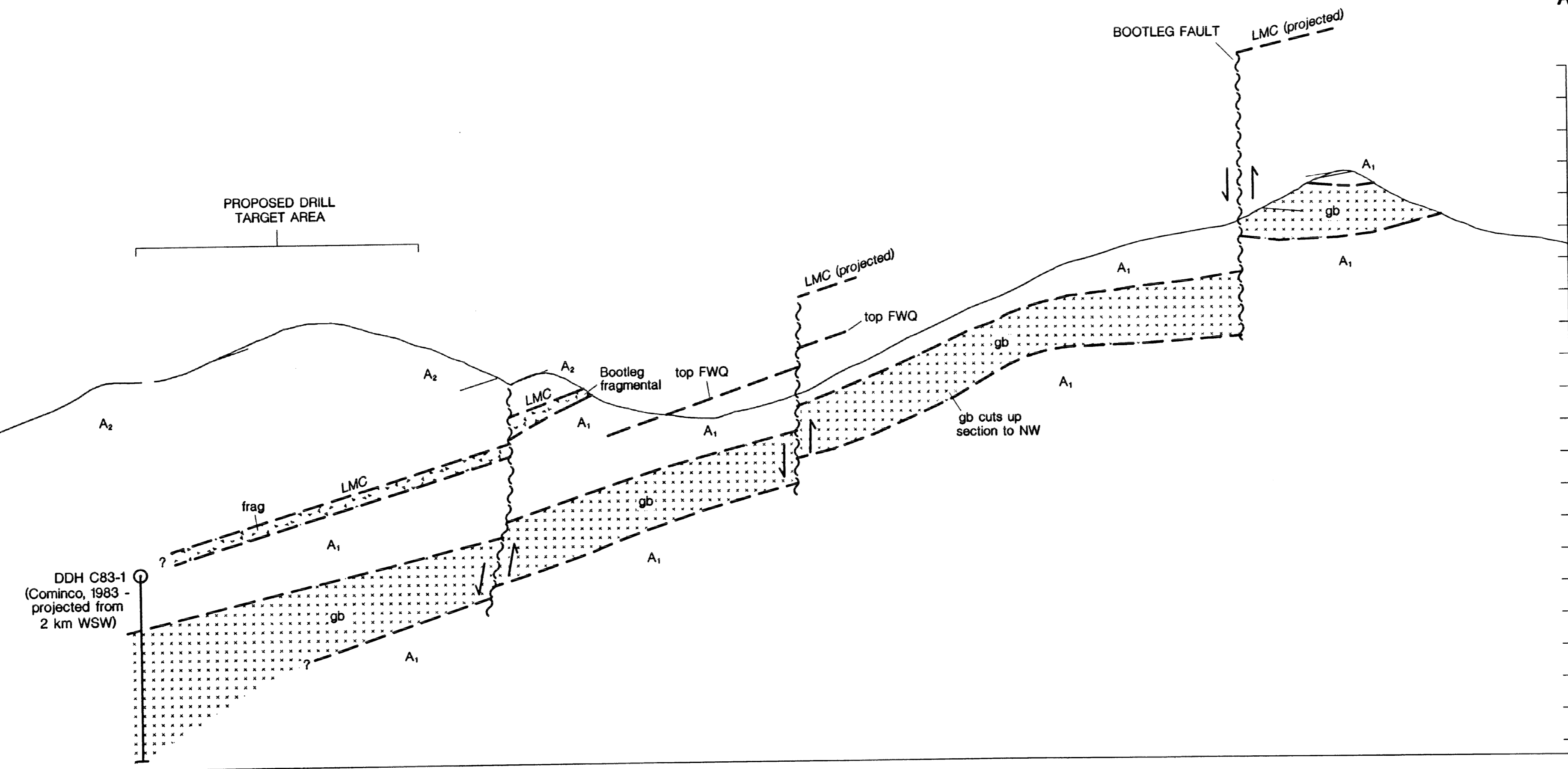
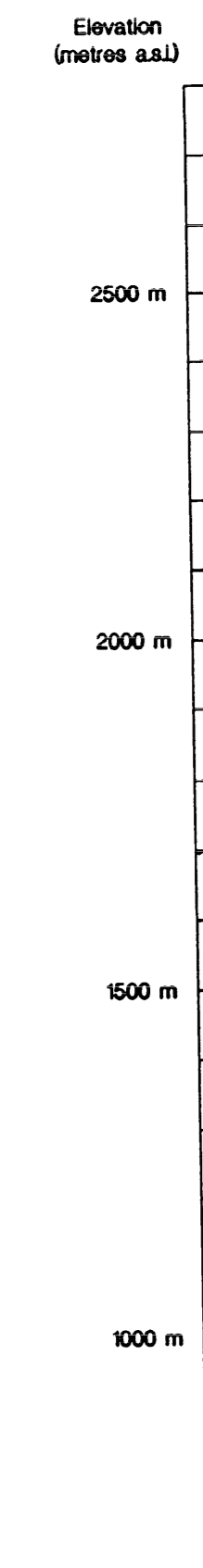
RIO ALGOM EXPLORATION INC.
BOOTLEG PROPERTY
Fort Steele M.D. British Columbia, Canada

GEOLOGY

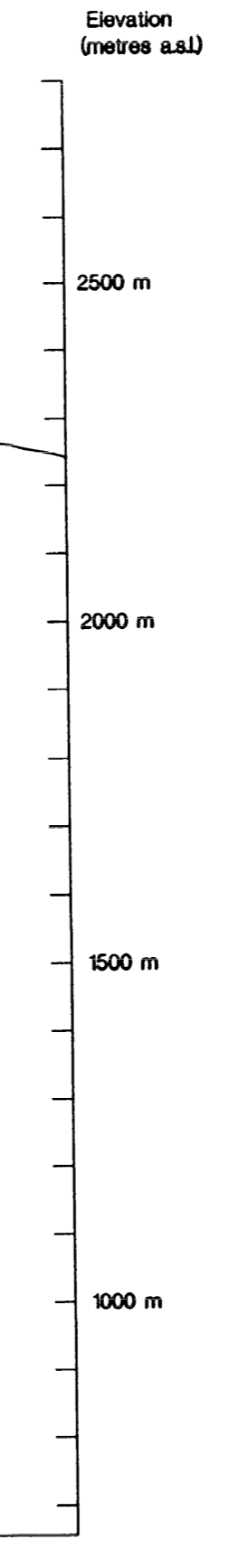
SCALE 1:10000 DATE October 2000
 DATA BY LPL, SLW APPROPRIATE
 TITLE 26,363 078, 079, 080 MAP 1

26,363

NW A



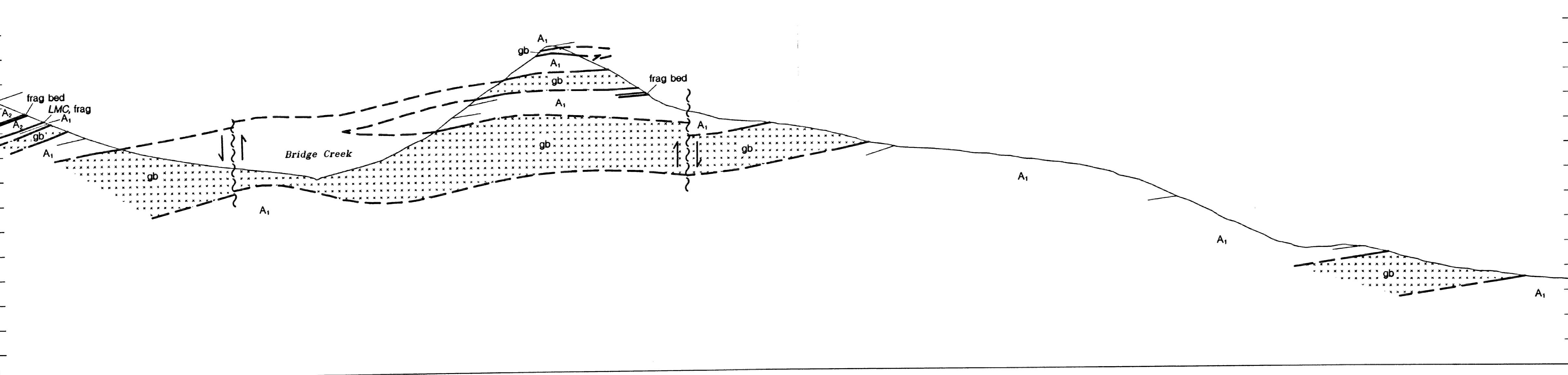
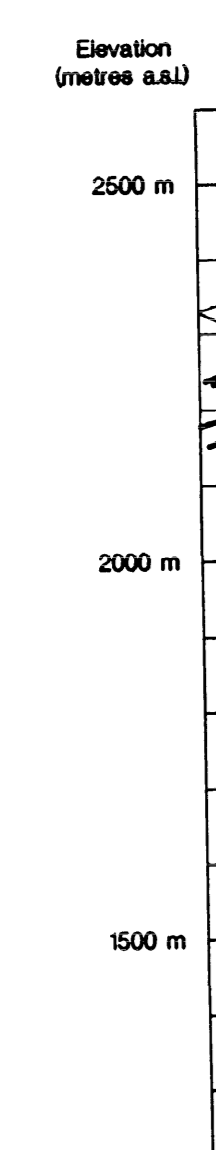
A' SE



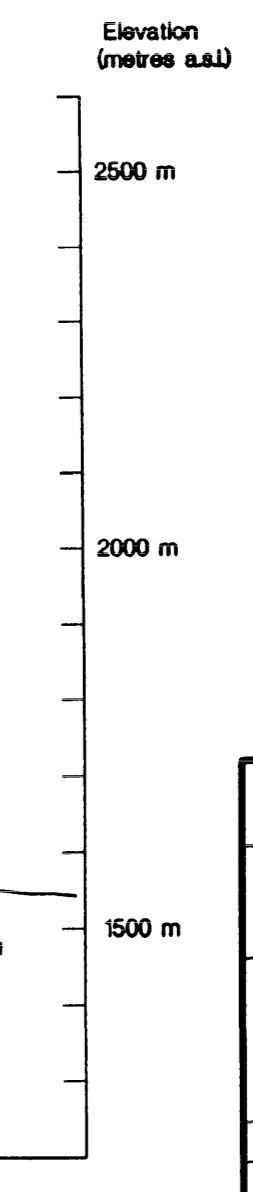
- LEGEND**
- [lph] LAMPROPHYRE DYKE
 - [gb] MOYIE INTRUSIONS
gabbro - diorite
 - [gph] GRANOPHYRE
fine grained, massive, granoblastic,
quartz-biotite-feldspar rock
 - [frag] FRAGMENTAL
massive, rusty weathering, fine grained, biotite-rich quartzitic
wacke matrix, variable fragments
 - [A₂] MIDDLE ALDRIDGE
quartz wacke, quartzitic wacke, subwacke, siltstone,
minor argillite, thin to medium bedded, A-E turbidites
 - [A₁] 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 laminitic horizon
 - ~ Fault: observed, inferred
 - Measured bedding attitude
 - DDH C83-1 Drill hole

Line of section - 165°

W B



B' E



Section along 5501500 N

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

26,363

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

RIO ALGOM EXPLORATION INC.

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

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

SCALE: 1: 10,000	DATE: October 2000
DATA BY: L.P.G.	APPENDIX: 5
TRIM: 82F068, 070, 078, 080	MAP: 2