

**1999 GEOLOGICAL EVALUATION
OF THE
SOUTH FINDLAY OPTION PROPERTY**

**ASSESSMENT REPORT FOR CLAIMS
CORE 1 AND 2, FIN 3, FIN 14 TO 34,
DOC 1 TO 20, TOR 1 AND 3, OCT 1 TO 6**

LATITUDE 50° 02' 00" LONGITUDE 116° 12' 00"

NTS 082K/01

GOLDEN MINING DIVISION, BRITISH COLUMBIA, CANADA

PREPARED BY

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**GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT**

DECEMBER, 1999

26,120

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1.0 Abstract

The South Findlay property comprised 52 claims with a total of 231 claim units when Eagle Plains Resources and Rio Algom Exploration entered into an option agreement on June 11, 1999. Since then an additional 40 claims of one (1) claim unit each have been acquired by the companies. The claims are located 60 kilometres north-northwest of Cranbrook, BC within the Golden Mining Division. Road access is limited and most areas require helicopter support. Elevations range from 1500m to 2860m.

The South Findlay project lies at the northern end of the Purcell Anticlinorium. The Proterozoic aged Purcell Supergroup is exposed in the core of the Anticlinorium with the Lower Aldridge Formation forming the basal part of the Purcell Supergroup. The Lower Aldridge stratigraphy is the oldest stratigraphy exposed on the property and is conformably overlain by the Middle Aldridge Formation. The Middle Aldridge stratigraphy dominates exposures in the area. On the property the Middle Aldridge is in turn overlain by strata of the Upper Aldridge Formation, Creston Formation and Kitchener Formation. Although regional and local scale faulting is present on the property, no large-scale offsets were identified. Based on the distribution and stratigraphic sequence of laminated siltstones, or "marker horizons", the standard stratigraphic succession of the Middle Aldridge Formation has been maintained. Syn-depositional gabbro sills and dikes have intruded the sedimentary units of the Middle and Lower Aldridge Formation. Cretaceous aged stocks and batholiths have been mapped to intrude Lower Aldridge and Middle Aldridge stratigraphy. Although mineral exploration in the area dates back to the 1860's, the only significant base metal deposit to date is Cominco's Sullivan deposit located approximately 30 kilometres to the south of the project area.

The Sullivan deposit near Kimberley contained an estimated 170 MT grading 5.5% zinc, 5.8% lead and 59 gram per tonne silver. This sedimentary exhalative lead-zinc sulfide deposit is stratigraphically situated at the Lower Aldridge-Middle Aldridge contact (LMC).

The focus of exploration for Rio Algom on this property is concentrated along the LMC. Fieldwork was carried out between August 21, 1999 and September 6, 1999. Geological mapping and selected lithogeochemical sampling was geared towards confirming previous geological mapping and interpretations. The mapping located and delineated the LMC in the southern sector of the property. Here the Lower Aldridge-Middle Aldridge contact trends in a southwesterly direction with a shallow to moderate dip to the northwest and north. A stratabound fragmental unit that is interpreted to be a time-stratigraphic equivalent to the Sullivan mine stratigraphy marks the contact.

Sampling and analysis of the fragmental from outcrops and boulders suggests the unit to be locally anomalous in lead and zinc mineralization. Highest values obtained within the fragmental are 0.88% lead and 1.43% zinc. No anomalies in gold, silver, tin, tungsten or arsenic were obtained.

Sufficient geological encouragement is present on the property to recommend follow-up exploration by diamond drilling in the year 2000. A three-hole program to test the Lower Aldridge-Middle Aldridge contact at depth is proposed.

2.0 Introduction

2.1 Property Location, Access and Physiography

The South Findlay property comprises 92 claims with a total of 271 claim units. The claims are located 60 kilometres north-northeast of Cranbrook, BC, within the Golden Mining Division on NTS map sheet 82K/1E. The property is centred at latitude 50° 02' 00" north and longitude 116° 12' 00" west. The northwestern corner of the claim block is bordered by the Purcell Wilderness Conservatory (Figure 1, 2).

Road access to the property is limited to one logging road from Canal Flats (Doctor Creek Forest Service Road) crossing the southern portions of the property near the headwaters of Doctor Creek. Additional logging roads in the area are not accessible due to the practices of dismantling bridges in particular and access in general through compliance with the Forest Practices Code. Helicopter support is required for those areas as well as areas of higher elevation.

Elevations on the claim group range from 1500 metres to 2860 metres above sea level. Vegetation at lower elevations consists of mature timber. Outcrop exposure is good in lower elevations to excellent at higher elevations. 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 mid-June to mid-October, depending on the preceding winter's snowfall.

2.2 Claim Status

The 54 claims are owned by Rio Algom Exploration Inc., subject to an option agreement with Eagle Plains Resources entered into between the two companies on June 11, 1999. The claims cover an area of approximately 4400 hectares. A listing of claims and their claim status is attached in Appendix I.

2.3 Exploration History

Placer gold exploration and mining in the region began in the mid-1860's until the discovery of the St. Eugene and Sullivan deposits switched the focus to lead and zinc.

Since the 1930's the area has been explored by Cominco (1959-69, 1977, 1984-1988), Texas Gulf (1971), Kerr-Addison (1971-1975), Amax (1977-1979), Four Tops Mining (1982-1985), Billiton Canada (1983-1984), Teck Corp. (1990), Eagle Plains-Miner River (1995-1996) and Kennecott (1997-1998).

Current exploration activities in the immediate area with a focus on lead-zinc mineralization within the Aldridge stratigraphy is being undertaken by Billiton Canada and Eagle Plains Resources on the North Findlay project, by Rio Algom Exploration Inc. on the South Findlay project and by Kennecott Canada on the Greenland Creek property.

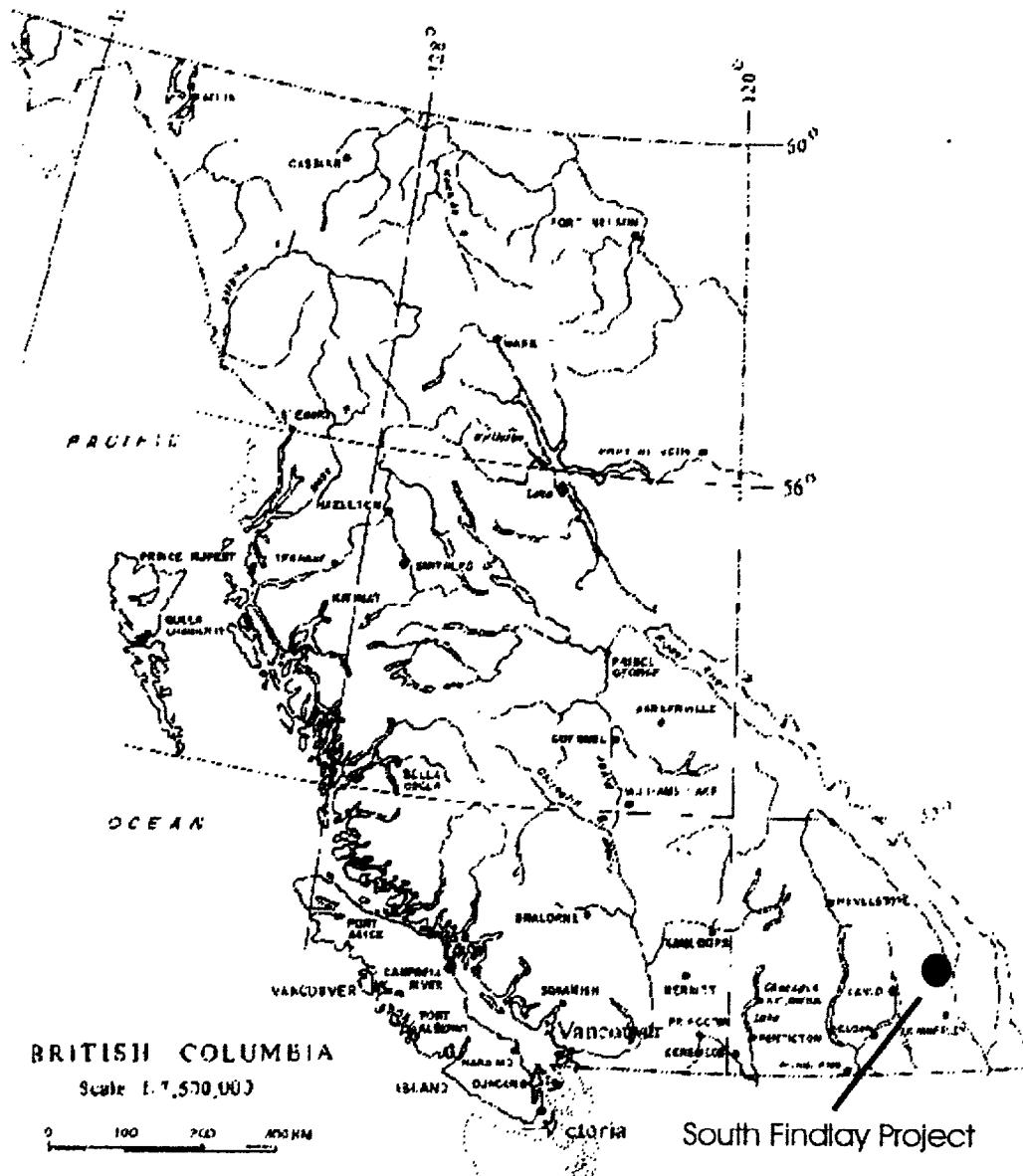


Figure 1: Location Map of South Findlay Option Property

3.0 Regional Geology

The Findlay Creek area has previously been described by Reesor (1954), Hoy (1992) and Brown and Termuende (1998). The following geological description is partly taken from those papers.

The Findlay Creek project area straddles the central axis of the Purcell Anticlinorium, a broad gently north plunging structure cored by the Proterozoic Purcell Supergroup (Figure 2). The Supergroup comprises a siliciclastic and lesser carbonate sequence at least 12 kilometres thick deposited in an intracratonic rift basin. The strata are preserved in an area 750 kilometres long and 550 kilometres wide extending from southeastern British Columbia to eastern Washington, Idaho and western Montana. The Findlay Creek area lies at the northern end of this large rift basin.

The area is underlain by the Aldridge Group, the lowermost Purcell Supergroup strata. The Lower Aldridge Formation consists of thin bedded, laminated and rusty weathering silicic siltstones and argillites. The Lower Aldridge sediments grade upward into medium to thick

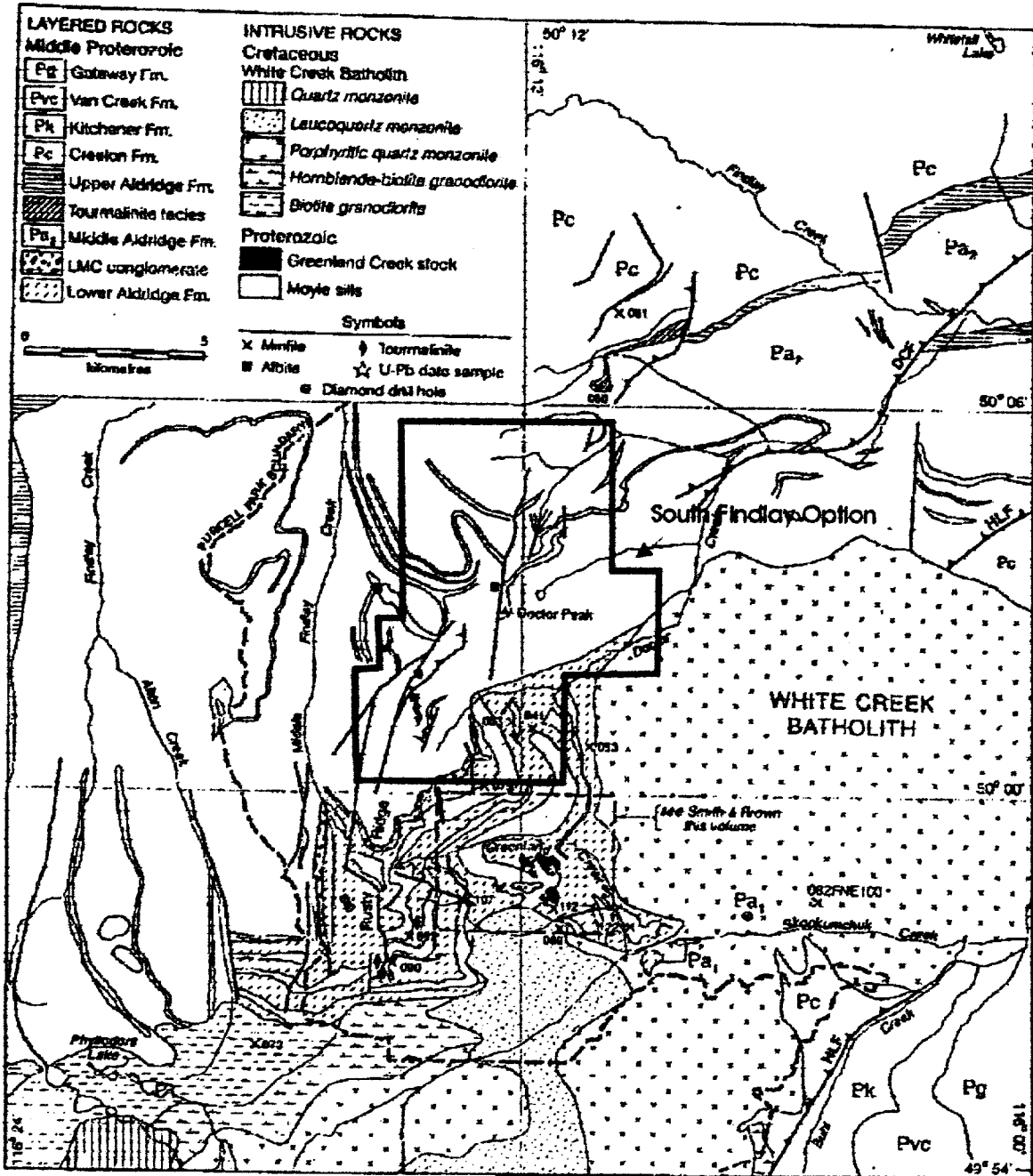


Figure 2: South Findlay Option Regional Geology

bedded grey weathering turbidites of the Middle Aldridge Formation. The Middle Aldridge turbidite beds display normal grading, flame structures, load casts and rare ripples. The Middle Aldridge Formation is about 2,500 to 3,500 metres thick and, in addition, is expanded by Middle Proterozoic dioritic to gabbroic sills of the Moyie intrusions. The Upper Aldridge Formation consists of rusty weathering, thin bedded siltstone and argillite and is typically 250 to 500 metres thick.

Pale green, grey and mauve argillite, siltstone and arenite of the Creston Formation overlie the Upper Aldridge Formation. The Creston Formation ranges in thickness from 1,200 metres to over 2,000 metres and is overlain by carbonate rocks of the Kitchener Formation, siltites and argillites of the Van Creek Formation and volcanics of the Nicol Creek Formation. The uppermost strata of the Purcell Supergroup, the Dutch Creek Formation and the Mount Nelson Formation are exposed in the northern part of the region. Cretaceous granitic stocks and batholiths intrude all formations of the Purcell Supergroup.

The most significant mineral deposit in the region is Cominco's Sullivan deposit near Kimberley, BC. The deposit contained an estimated 170 million tonnes grading 5.5% zinc, 5.8% lead and 59 gpt 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 Aldridge basin.

The target of exploration in the camp is focussing on the Lower-Middle Aldridge contact (LMC) for a Sullivan-type horizon (SH). Other stratigraphic horizons within the Aldridge Formation, within the Lower Aldridge, Middle Aldridge and Upper Aldridge are also receiving attention as possible hosts to massive sulphide mineralization.

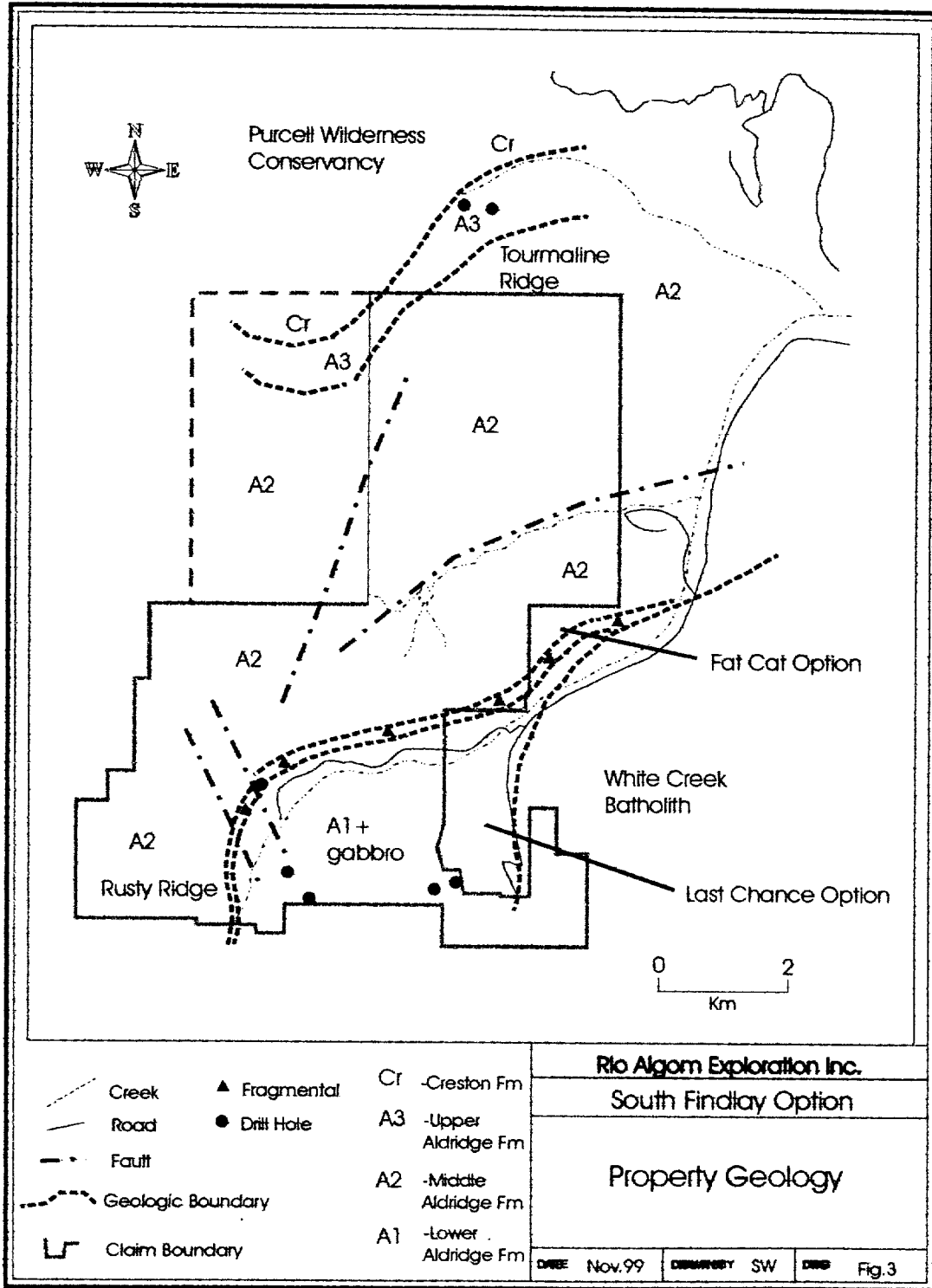
4.0 Property Geology

The property is underlain by Purcell Supergroup sediments spanning the stratigraphy from Lower Aldridge Formation in the south to Creston Formation in the north. In the southeastern corner of the property the White Creek batholith of middle Cretaceous age has intruded the Lower Aldridge Formation (Fig.3).

The Lower Aldridge/Middle Aldridge contact and associated Sullivan Horizon is exposed in the south, dipping at approximately -25° northwest underneath Middle Aldridge units. In the north, the Middle Aldridge is in conformable contact with Upper Aldridge stratigraphy. The Creston Formation conformably overlies the Upper Aldridge Formation in the same area.

Gabbroic dikes and sills have been mapped as being hosted in Lower Aldridge units in the south as well as in the central party of the property within Middle Aldridge units.

Structurally, the property is dominated by the Doctor Creek fault, trending northeast across the central parts of the property. The Doctor Creek fault and the gabbroic sills are cut and offset by northerly trending faults in the central parts of the property. Broad, open folds plunging moderately to the west and north dominate the project area.



Tourmaline and/or albite alteration has been located in the southwestern sector. Here albite alteration is often associated with the gabbroic intrusives. A prominent ridge of tourmaline

alteration has been identified at Tourmalinite Ridge north of the property. This alteration is hosted within Upper Aldridge sediments and is the current focus of exploration by Billiton Canada and Eagle Plains Resources.

Three mineral occurrences are noted on the property (K53, K41, K63). The mineral occurrences are hosted in Lower Aldridge stratigraphy and are associated with vein occurrences in sheeted vein complexes. The occurrences are:

- K53 Silver Key Deposit (Minfile 82K SE 053)
Bedding parallel veins within quartz wacke and Moyie sills. The deposit contains disseminated galena and pyrite.
- K41 St. Anthony Deposit (Minfile 82K SE 041)
Sheared meta-wacke and meta-gabbro sills host veins and disseminations of pyrite, pyrrhotite, goethite, sphalerite and chalcopyrite.
- K63 Echo Lake Showing (Minfile 82K SE 063)
Veins of tungsten with sphalerite and galena mineralization.

5.0 1999 Exploration Program

5.1 Objective and Exploration Target

The target of exploration for Rio Algom Exploration Inc. on the South Findlay property is a Sullivan-type sedimentary exhalative lead-zinc sulphide deposit stratigraphically situated at the Lower Aldridge-Middle Aldridge contact. Geological information as mapped by previous workers, including more recent work by DA Brown (1998) and Kennecott Canada (1998), was utilized as a base from which follow up could be done in additional detail.

The objective for the 1999 program was to confirm geology from previous workers to ascertain if the LMC does underlie the property and could be drill tested to a reasonable depth.

5.2 Procedure

A geological mapping program was conducted between August 21, 1999 and September 6, 1999 based out of a field camp temporarily located on the Doctor Creek logging road. Mapping was done at a 1:10,000 scale utilizing TRIM projection NAD 83, UTM zone 11 base maps, air photos and previous geological data as compiled from assessment reports and published government files.

The mapping was concentrated along the strike extent of the LMC and along section lines perpendicular to the LMC with an approximate line spacing of 1.5 kilometres. For stratigraphic control purposes, stratigraphic "markers" were sampled for later identification and verification of overall stratigraphy.

The mapping program was supervised by Siegfried O. Weidner, senior geologist for Rio Algom Exploration Inc. Mapping was completed by Leonard Gal, P.Geo., of Cardinal Exploration Ltd. and assistant Lloyd Addie.

Access to the property was achieved by 4x4 truck and 4x4 ATV at the lower elevations. Mapping in higher elevations utilized helicopter support from Bighorn Helicopters Inc. of Cranbrook, BC.

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

6.0 1999 Exploration Results

6.1 Geological Mapping

Results of the mapping are depicted in Appendix II as a set of two geology maps (Map 1a, 1b) at a scale of 1:10,000 and a set of cross sections (Map 2).

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

Lower Aldridge (A1)

Lower Aldridge stratigraphy was seen as thin to medium bedded very fine to fine grained quartzitic wacke, wacke, subwacke, siltstones and argillites. Fresh surfaces are light to medium grey with characteristic rusty brown weathering surfaces due to a higher iron content in the form of iron sulphides such as pyrite and pyrrhotite. Biotite may be a prominent component in these rocks. More mud rich components such as wackes, subwackes and argillites have a tendency to be thinner bedded than the more quartz rich units such as quartzitic wackes within this formation.

Fragmental (Frag)

A stratabound fragmental unit is situated at or near the contact of the Lower Aldridge with the Middle Aldridge Formation. The unit was mapped from the Fat Cat property in the east to the Rusty Ridge area in the west. The unit is medium to thick bedded to massive with a fine grained quartzitic wacke to siltstone matrix. Fragments are rounded to angular, varying from 1 millimetre to 12 centimetres in size and are composed of siltstone, wacke, quartzitic wacke and argillite as well as occasional iron sulphide fragments. Disseminated iron sulphides weather weakly brown. Although a large variety of fragment sizes and types exist at any one outcrop, the overall quantity as well as size is increasing from east to west. This stratabound fragmental unit is believed to be stratigraphically equivalent to the Sullivan fragmental, the Vulcan showing (Minfile 082 FNE 093) and the Clair fragmental near St. Mary's Lake.

Middle Aldridge (A2)

Stratigraphy is typically thin to thick bedded with a light to medium grey weathered surface and a light grey to dark grey fresh surface. The can be classified as quartz wackes, quartzitic wackes, siltstones and argillites. Turbidite quartz wacke-siltstone couplets are common. In comparison to the Lower Aldridge sediments, the units show a lesser "mud component" as seen in lesser amounts of overall biotite and argillites. These units also show a decreased amount of disseminated iron sulphides in the form of pyrite, generally less than 0.5% by volume. Sedimentary features such as load structures, cross-bedding, rip-up clasts and slumped bedding were also observed.

Within the Middle Aldridge formation, time-stratigraphic markers are represented throughout the Aldridge basin. These marker horizons are also present in the Doctor Creek area. A total of 20 possible markers or laminites were collected. These samples were forwarded to D. Pighin of Supergroup Holdings Ltd. for cutting and identification. A total of 14 samples were matched to known marker horizons, 3 samples could not be matched due to bedding disruption caused by an influx of turbidite components and/or a strong overprinting foliation making these samples suspect as marker material and 3 samples were projected into the geology based on nearby marker locations. Appendix III contains a list of laminate locations and identifies those that could be classified as markers. Markers previously identified and matched were incorporated into the geological mapping and database.

Upper Aldridge (A3)

Only a few outcrops of Upper Aldridge stratigraphy were noted in the northwestern section of the property. Rusty weathering, laminated to thinly bedded siltstones and argillites with minor wackes dominated this stratigraphy. The lower contact with the Middle Aldridge stratigraphy in the locality observed appears to be a conformable contact trending northeaster.

Creston Formation (CR)

Limited amounts of this stratigraphy was mapped. These units were identified as thin bedded to laminated, almost schistose silty argillites and siltstones. Weathering surfaces are olive green grey with some rusty units. Foliated quartz wacke beds are present. These units are generally well foliated and show crenulation cleavages. Foliation is seen to overprint and mask the primary sedimentary fractures.

Gabbro (gb)

The Moyie intrusives as in other parts of the Aldridge Formation are seen to intrude the Lower and Middle Aldridge Formation as sills and dikes. Compositionally, these rocks have been defined as gabbro to diorite. They are dark grey to dark green and brown on fresh surfaces and more often than not display a dark grey and rusty brown weathering surface. The intrusives are medium to coarse grained with occasional finer grained chill

margins. Disseminated pyrrhotite and traces of chalcopyrite have been observed. The intrusives are non-magnetic except in cases where disseminated pyrrhotite is present.

Biotite Monzogranite (WCB)

The White Creek batholith outcrops in the southeastern sector of the claim group. The rocks weather light grey to off-white tan and are coarse grained with euhedral biotite, hornblende, plagioclase and quartz. The batholith is characterized by megacrysts, several centimetres long, of euhedral potassium feldspar. Small dikes and sills of this batholith are seen to intrude Middle Aldridge stratigraphy to the north of the main contact.

Lamprophyre (LAM)

A few occurrences of lamprophyre were noted. These are brown-green weathering thin, less than 0.53m dikes with a greenish-grey fresh surface. The dikes are characterized by large (up to one centimetre) phlogopite crystals. The units appear porphyritic and massive.

6.2 Structure

Numerous faults have been mapped in the area of the property in the past. The southwestern extension of the Hall Lake fault, namely the Doctor Creek fault, cuts across the central parts of the property. The exact location of the fault itself has not been determined from this mapping. It appears as if the main fault may separate into various smaller fault zones rather than continuing as a definitive and traceable unit. No major offsets of units were noted in the area of the proposed westerly continuation of the Doctor Creek fault. Previous workers have suggested a right-lateral displacement on the Doctor Creek Fault.

Several north-south trending faults were noted. The most prominent of these is a fault cutting across Doctor Peak. Here gabbro sills are displaced.

Numerous lesser faults trending northwesterly have been identified along the contact areas of the White Creek batholith. These faults displace stratigraphic units to a small degree and may be related to the actual intrusion of the batholith. Associated with these faults are minor folds as well as steeper bedding to the northwest of the Aldridge Formation contact. "Buckling" of the stratigraphy may have occurred during the intrusion of the batholith.

The Aldridge Formation on the property is relatively undeformed and dips gently to the northwest with an overall average dip of -25° . Near observed and proposed fault zones, minor open folding is evident. Steeper northwest bedding is observed in the vicinity of the White Creek batholith, again a function of the intrusive nature of the batholith. Possibly overturned strata was noted near station A461 where stratigraphic markers are reversed in their position.

Deformation appears to intensify in Lower Aldridge stratigraphy as described by S. Coombes in a 1999 Kennecott assessment report.

6.3 Alteration

A regional greenschist facies alteration is overprinted on all rocks on the property. Chlorite-biotite-sericite and/or actinolite are the obvious minerals associated with this alteration. Along the contact areas of the White Creek Batholith, in Middle Aldridge and Lower Aldridge stratigraphy, hornfelsing of stratigraphy has occurred in response to the intrusion of the batholith. Prominent biotite and andalusite in local mica schists has been the result.

Other alteration observed on the property includes albite, quartz, sericite, chlorite and tourmaline. All except the latter are found associated with fracture and/or vein occurrences and often in possible association with gabbro. Tourmaline alteration was found in quartz veins and as accumulations with individual beds in Upper Aldridge and the upper parts of the Middle Aldridge stratigraphy. The tourmaline alteration is seen in needle form.

6.4 Mineralization and Analytical Results

Known mineral occurrences are described in Section 2.0 under Property Geology with further detail available in the BC Minfile.

During the 1999 exploration program a total of thirty eight (38) rock samples were collected for ICP-28 and gold by fire assay (FA) analysis. Sample descriptions are included in Appendix IV and results are tabled in Appendix V.

Table X shows results of rock samples anomalous in copper, lead or zinc or a combination of the base metals. No anomalies were obtained in gold or silver with these samples. No anomalies were noted in trace or pathfinder elements such as tin, tungsten or arsenic.

Table 1 Anomalous Rock Samples from Findlay South Mapping

| Sample # | Lithology | Unit | Cu (ppm) | Pb (ppm) | Zn (ppm) |
|----------|--------------------|--------|----------|----------|----------|
| 07458 | Siltstone | A2 | 1141 | 12 | 118 |
| 07464 | Fragmental (float) | Frag. | 160 | 12 | 50 |
| 07465 | Fragmental | Frag. | 45 | 16 | 137 |
| 07474 | Quartz Vein | Gabbro | 405 | 1 | 18 |
| 07476 | Quartz Wacke | A2 | 45 | 18 | 116 |
| 07477 | Fragmental | Frag. | 68 | 270 | 371 |
| 07478 | Fragmental (Float) | Frag. | 285 | 8804 | 14300 |
| 07486 | Fragmental | Frag. | 31 | 80 | 223 |

The results suggest the fragmental unit to be the more base metal anomalous unit on the property. The fragmental is situated at the contact between the Lower Aldridge and Middle Aldridge stratigraphy at a time-stratigraphic interval equivalent to the stratigraphic position of the Sullivan Horizon.

7.0 Summary and Conclusion

The 1999 phase of exploration on the property confirmed the geology as previously outlined on the property. Geologic mapping along widely spaced traverse lines detailed several sections that can now be used for locating drill testing activities. The favourable Lower Aldridge-Middle Aldridge contact (LMC) was located in the southern 1/3 of the property, was striking approximately east-west and dipping at shallow to moderate angles northward into the main parts of the claim group. The contact is marked by a fragmental unit that was found to be anomalous in base metals lead and zinc. The fragmental is interpreted as a time-stratigraphic equivalent to the Sullivan horizon.

Three diamond drill holes to test the downdip extension of the LMC are recommended.

8.0 References

- Brown, D.A. and Termuende, T. (1998): The Findlay Industrial Partnership Project; Geology and mineral occurrences of the Findlay-Doctor Creek areas; southeastern British Columbia; Geological Field Work 1997, Paper 1998-1, British Columbia Ministry of Energy and Mines
- Brown, D.A. (1998): 1998 Geological compilation of parts of Dewar Creek and Findlay Creek Map areas, southwestern British Columbia (82F/16, 82K/1), Geoscience Map 1998-4 Scale 1:50,000, British Columbia Ministry of Energy and Mines
- Coombes, S. and Zuran, R.J. (1999): 1998 Geological, geochemical, geophysical and diamond Drilling; Assessment report on the Findlay Creek option, February 01, 1999-11-08
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- Reesor, J.E. (1954): Findlay Creek map area, British Columbia (82K/1), Geological Survey of Canada, Paper 53-54
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9.0 Statements of Qualifications

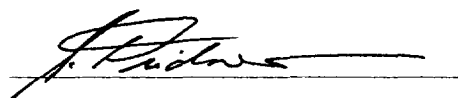
Siegfried Weidner

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 11 years with Rio Algom Exploration Inc.
- 4) I supervised the 1999 exploration program on the South Findlay Option property and wrote this report.

Dated:

December 10th, 1999



Siegfried O. Weidner
Senior Geologist, Rio Algom Exploration Inc.

Leonard Gal

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

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

Signed this 9 day of December, 1999.



Leonard Gal M.Sc., P.Geo

10.0 Statement of Expenditures

The following expenses were incurred on the South Findlay Option property:

Personnel (includes benefits, H.O. Supervision)

| | | |
|------------------------|---------------------|---------|
| Leonard Gal, P.Geo* | 18 days @ \$300/day | \$5,400 |
| Lloyd Addie, Assistant | 18 days @ \$150/day | \$2,700 |
| Siegfried Weidner** | 13 days @ \$310/day | \$4,030 |

Transportation

| | | |
|--------------|---------------------|---------|
| Truck Rental | 18 days @ \$100/day | \$1,800 |
| Car Rental | 2 days @ \$ 58/day | \$ 116 |
| ATV Rental | 18 days @ \$ 40/day | \$ 720 |
| Trailer | 18 days @ \$ 15/day | \$ 270 |

Airfares

| | | |
|-----------------------|--------------------------|--------|
| Vancouver – Cranbrook | 2 return @ \$ 328/return | \$ 655 |
|-----------------------|--------------------------|--------|

Helicopter

| | | |
|---------------------|--------------------|---------|
| Bighorn Helicopters | 2.9 hrs @ \$785/hr | \$2,247 |
|---------------------|--------------------|---------|

Consultants

| | | |
|---------------------------|--|---------|
| Supergroups Holdings Ltd. | | \$3,100 |
|---------------------------|--|---------|

Analytical

| | | |
|---------------------------------|--|--------|
| Eco-Tech Laboratories, Kamloops | | \$ 693 |
|---------------------------------|--|--------|

Field Supplies

| | | |
|--|--|---------|
| Radio/Telephone rental, consumables, maps, reports | | \$1,414 |
|--|--|---------|

Groceries/Meals

| | | |
|----------------|-----------------------------|---------|
| Field Supplies | 2 man 18 days @\$25/man/day | \$1,800 |
|----------------|-----------------------------|---------|

Miscellaneous

| | | |
|------------------------|--|--------|
| Drafting/Reproductions | | \$ 928 |
|------------------------|--|--------|

Total**\$25,873**

*Field administration, mapping, report writing and interpretation

** Program administration, supervision, reporting and interpretation

APPENDIX I

Property Claim Dispositions

EAGLE PLAINS RESOURCES/RIO ALGOM
South Findlay Project
Claim Schedule

| PROJECT | LOCATION | OWNERSHIP | OPTION/ ANNIVERSARY | NSR % | TENURE NUMBER | CLAIM NAME | MAP NUMBER | EXPIRY DATE | MINING DIVISION | UNITS | TAG NUMBER |
|---------------|-----------|-----------|------------------------|-----------|------------------|---------------|---------------|----------------|--------------------|-------|---------------|
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371698 | DOC 61 | 082K01E | 20001120 | 6 Golden | 1 | 690261M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371699 | DOC 62 | 082K01E | 20001120 | 6 Golden | 1 | 690262 M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371700 | DOC 63 | 082K01E | 20001120 | 6 Golden | 1 | 690263M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371701 | DOC 64 | 082K01E | 20001120 | 6 Golden | 1 | 690264M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371702 | DOC 65 | 082K01E | 20001120 | 6 Golden | 1 | 690265M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371703 | DOC 66 | 082K01E | 20001120 | 6 Golden | 1 | 690266M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371704 | DOC 67 | 082K01E | 20001120 | 6 Golden | 1 | 690267M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371705 | DOC 68 | 082K01E | 20001120 | 6 Golden | 1 | 690268M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371706 | DOC 69 | 082K01E | 20001120 | 6 Golden | 1 | 690269M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371707 | DOC 70 | 082K01E | 20001120 | 6 Golden | 1 | 690270M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371708 | DOC 71 | 082K01E | 20001120 | 6 Golden | 1 | 690271M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371709 | DOC 72 | 082K01E | 20001120 | 6 Golden | 1 | 690272M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371710 | DOC 73 | 082K01E | 20001120 | 6 Golden | 1 | 690273M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371711 | DOC 74 | 082K01E | 20001120 | 6 Golden | 1 | 690274M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371712 | DOC 75 | 082K01E | 20001120 | 6 Golden | 1 | 690275M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371713 | DOC 76 | 082K01E | 20001120 | 6 Golden | 1 | 690276M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371714 | DOC 77 | 082K01E | 20001120 | 6 Golden | 1 | 690277M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371715 | DOC 78 | 082K01E | 20001120 | 6 Golden | 1 | 690278M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371716 | DOC 79 | 082K01E | 20001120 | 6 Golden | 1 | 690279M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371717 | DOC 80 | 082K01E | 20001120 | 6 Golden | 1 | 690280M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371718 | DOC 81 | 082K01E | 20001120 | 6 Golden | 1 | 690281M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371719 | DOC 82 | 082K01E | 20001120 | 6 Golden | 1 | 690282M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371720 | DOC 83 | 082K01E | 20001120 | 6 Golden | 1 | 690283M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371721 | DOC 84 | 082K01E | 20001120 | 6 Golden | 1 | 690284M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371722 | DOC 85 | 082K01E | 20001120 | 6 Golden | 1 | 690285M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371723 | DOC 86 | 082K01E | 20001120 | 6 Golden | 1 | 690286M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371724 | DOC 87 | 082K01E | 20001120 | 6 Golden | 1 | 690287M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371725 | DOC 88 | 082K01E | 20001120 | 6 Golden | 1 | 690288M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371726 | DOC 89 | 082K01E | 20001120 | 6 Golden | 1 | 690289M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371727 | DOC 90 | 082K01E | 20001120 | 6 Golden | 1 | 690290M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371728 | DOC 91 | 082K01E | 20001120 | 6 Golden | 1 | 690291M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371729 | DOC 92 | 082K01E | 20001120 | 6 Golden | 1 | 690292M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371730 | DOC 93 | 082K01E | 20001120 | 6 Golden | 1 | 690293M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371731 | DOC 94 | 082K01E | 20001120 | 6 Golden | 1 | 690294M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371732 | DOC 95 | 082K01E | 20001120 | 6 Golden | 1 | 690295M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371733 | DOC 96 | 082K01E | 20001120 | 6 Golden | 1 | 690296M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371734 | DOC 97 | 082K01E | 20001120 | 6 Golden | 1 | 690297M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371735 | DOC 98 | 082K01E | 20001120 | 6 Golden | 1 | 690298M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371736 | DOC 99 | 082K01E | 20001120 | 6 Golden | 1 | 690299M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 371737 | DOC 100 | 082K01E | 20001120 | 6 Golden | 1 | 690300M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 340989 | DOC 7 | 82F16/82K1 | 20021120 | 6 Golden | 1 | |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 340990 | DOC 8 | 82F16/82K1 | 20021120 | 6 Golden | 1 | |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 340991 | DOC 9 | 82F16/82K1 | 20021120 | 6 Golden | 1 | |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 340996 | DOC 10 | 82F16/82K1 | 20021120 | 6 Golden | 1 | |

EAGLE PLAINS RESOURCES/RIO ALGOM
South Findlay Project
Claim Schedule

| PROJECT | LOCATION | OWNERSHIP | OPTION/ ANNIVERSARY | NSR % | TENURE NUMBER | CLAIM NAME | MAP NUMBER | EXPIRY DATE | MINING DIVISION | UNITS | TAG NUMBER |
|---------------|-----------|-----------|------------------------|-----------|------------------|---------------|---------------|----------------|--------------------|-------|---------------|
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 340997 | DOC 11 | 82F16/82K1 | 20021120 | 6 Golden | 1 | |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 340998 | DOC 12 | 82F16/82K1 | 20021120 | 6 Golden | 1 | |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 339906 | FIN21 | 82F16/82K1 | 20031120 | 6 Golden | 1 | |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 339907 | FIN22 | 82F16/82K1 | 20031120 | 6 Golden | 1 | |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 340023 | FIN23 | 82F16/82K1 | 20031120 | 6 Golden | 1 | |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 340024 | FIN24 | 82F16/82K1 | 20031120 | 6 Golden | 1 | |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 340425 | FIN25 | 82F16/82K1 | 20031120 | 6 Golden | 1 | |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 340426 | FIN26 | 82F16/82K1 | 20031120 | 6 Golden | 1 | |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 340427 | FIN27 | 82F16/82K1 | 20031120 | 6 Golden | 1 | |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 340428 | FIN28 | 82F16/82K1 | 20031120 | 6 Golden | 1 | |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 340429 | FIN29 | 82F16/82K1 | 20031120 | 6 Golden | 1 | |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 340430 | FIN30 | 82F16/82K1 | 20031120 | 6 Golden | 1 | |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 340431 | FIN31 | 82F16/82K1 | 20031120 | 6 Golden | 1 | |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 340432 | FIN32 | 82F16/82K1 | 20031120 | 6 Golden | 1 | |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 340433 | FIN33 | 82F16/82K1 | 20031120 | 6 Golden | 1 | |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 340434 | FIN34 | 82F16/82K1 | 20031120 | 6 Golden | 1 | |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 341800 | DOC 17 | 82F16/82K1 | 20031120 | 6 Golden | 20 | 230956 |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 341801 | DOC 18 | 82F16/82K1 | 20031120 | 6 Golden | 20 | 230957 |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 341802 | DOC 19 | 82F16/82K1 | 20031120 | 6 Golden | 20 | 230958 |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 341803 | DOC 20 | 82F16/82K1 | 20031120 | 6 Golden | 20 | 230959 |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 335994 | CORE 1 | 82F16/82K1 | 20041120 | Ft. Ste/Gdn | 12 | 214312 |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 335995 | CORE 2 | 82F16/82K1 | 20041120 | Ft. Ste/Gdn | 9 | 214302 |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 339859 | FIN3 | 82F16/82K1 | 20041120 | 6 Golden | 20 | |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 339899 | FIN14 | 82F16/82K1 | 20041120 | 6 Golden | 1 | |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 339900 | FIN15 | 82F16/82K1 | 20041120 | 6 Golden | 1 | |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 339901 | FIN16 | 82F16/82K1 | 20041120 | 6 Golden | 1 | |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 339902 | FIN17 | 82F16/82K1 | 20041120 | 6 Golden | 1 | |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 339903 | FIN18 | 82F16/82K1 | 20041120 | 6 Golden | 1 | |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 339904 | FIN19 | 82F16/82K1 | 20041120 | 6 Golden | 1 | |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 339905 | FIN20 | 82F16/82K1 | 20041120 | 6 Golden | 1 | |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 340983 | DOC 1 | 82F16/82K1 | 20041120 | 6 Golden | 1 | |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 340984 | DOC 2 | 82F16/82K1 | 20041120 | 6 Golden | 1 | |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 340985 | DOC 3 | 82F16/82K1 | 20041120 | 6 Golden | 1 | |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 340986 | DOC 4 | 82F16/82K1 | 20041120 | 6 Golden | 1 | |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 340987 | DOC 5 | 82F16/82K1 | 20041120 | 6 Golden | 1 | |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | 2% Downie | 340988 | DOC 6 | 82F16/82K1 | 20041120 | 6 Golden | 1 | |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 341796 | DOC 13 | 82F16/82K1 | 20041120 | 6 Golden | 9 | 230952 |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 341797 | DOC 14 | 82F16/82K1 | 20041120 | 6 Golden | 12 | 230953 |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 341798 | DOC 15 | 82F16/82K1 | 20041120 | 6 Golden | 18 | 230954 |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 341799 | DOC 16 | 82F16/82K1 | 20041120 | 6 Golden | 18 | 230955 |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 358084 | TOR 2 | 082K01E | 20041120 | 6 Golden | 3 | 230969 |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 358085 | TOR 1 | 082K01E | 20041120 | 6 Golden | 1 | 230968 |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 363735 | OCT 1 | 082K01E | 20041120 | 6 Golden | 6 | 673088M |
| South Findlay | S.E. B.C. | 100% EPL | Rio Al/Sept 01 | N/A | 363736 | OCT 2 | 082K01E | 20041120 | 6 Golden | 6 | 673089M |

EAGLE PLAINS RESOURCES/RIO ALGOM
 South Findlay Project
 Claim Schedule

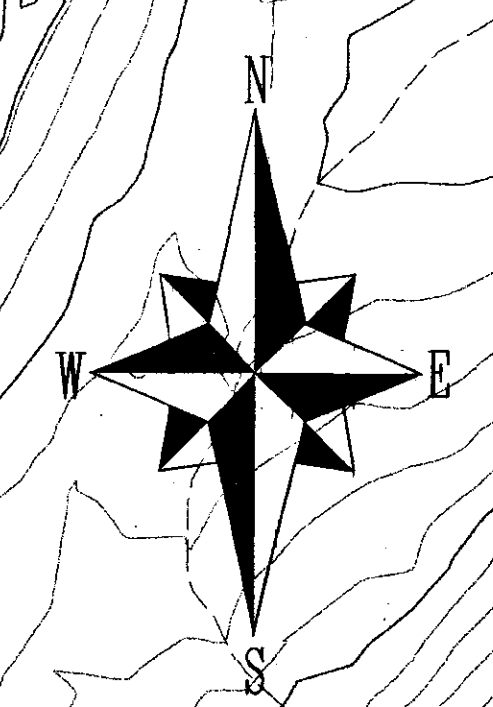
| PROJECT | LOCATION | OWNERSHIP | OPTION/ ANNIVERSARY | NSR % | TENURE NUMBER | CLAIM NAME | MAP NUMBER | EXPIRY DATE | MINING DIVISION | UNITS | TAG NUMBER |
|---------------|-----------|-----------|------------------------|-------|------------------|---------------|---------------|----------------|--------------------|-------|---------------|
| South Findlay | S.E. B.C. | 100% EPL | Rio A/Sept 01 | N/A | 363737 | OCT 3 | 082K01E | 20041120 | 6 Golden | 1 | 673090M |
| South Findlay | S.E. B.C. | 100% EPL | Rio A/Sept 01 | N/A | 363738 | OCT 4 | 082K01E | 20041120 | 6 Golden | 1 | 673093M |
| South Findlay | S.E. B.C. | 100% EPL | Rio A/Sept 01 | N/A | 365399 | OCT 6 | 082K01E | 20041120 | 6 Golden | 1 | 673095M |
| South Findlay | S.E. B.C. | 100% EPL | Rio A/Sept 01 | N/A | 365400 | OCT 5 | 082K01E | 20041120 | 6 Golden | 1 | 673094M |

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Updated: Dec.01/99

APPENDIX II
Geology Maps and Sections



LEGEND

GEOLOGIC UNITS

TERTIARY

- Lamp Lamprophyre dike

CRETACEOUS

- WCB White Creek Batholith (Biotite monzonite)

MIDDLE PROTEROZOIC

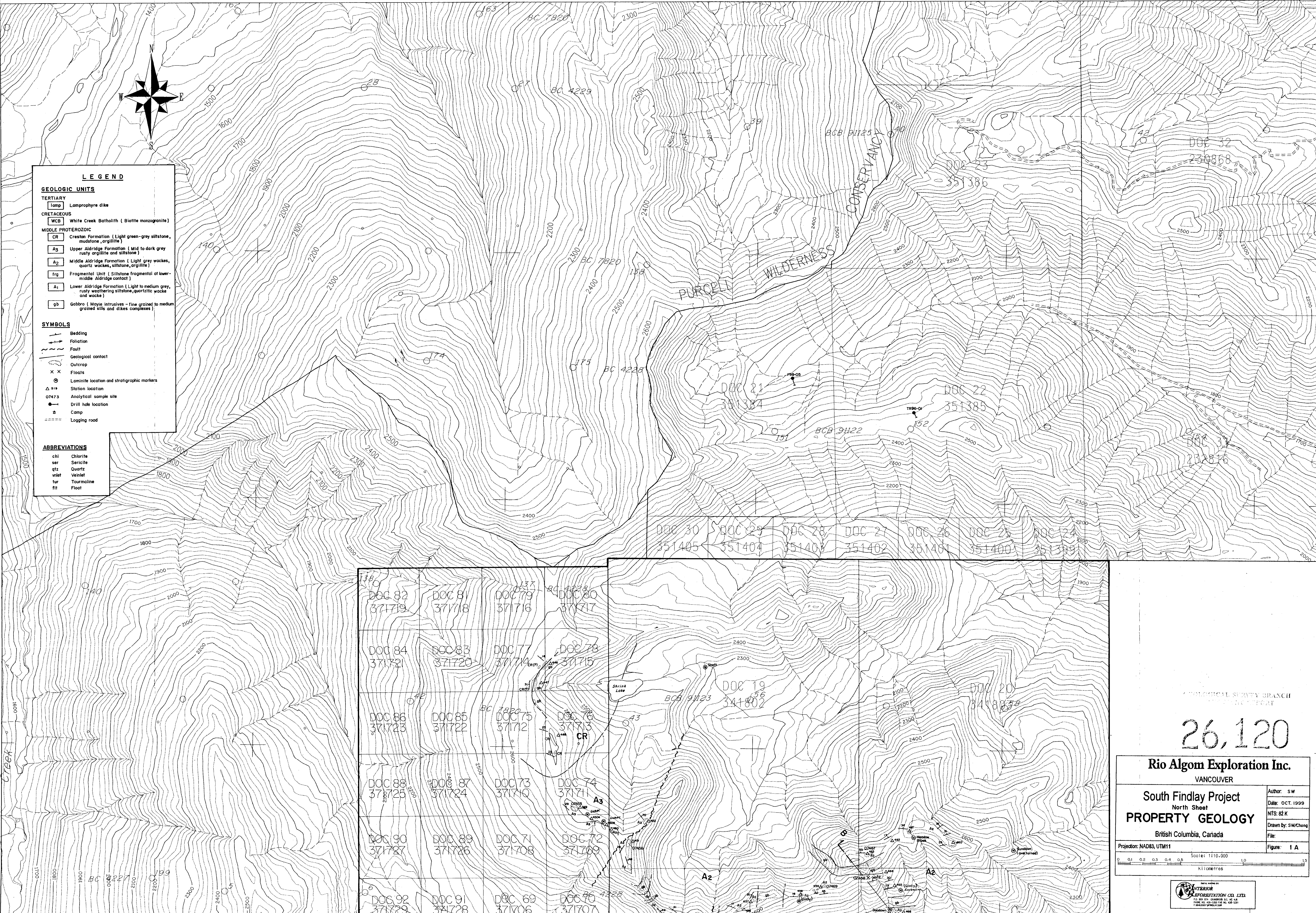
- CR Creston Formation (Light green-grey siltstone, mudstone, argillite)
- A3 Upper Aldridge Formation (Mid to dark grey rusty argillite and siltstone)
- A2 Middle Aldridge Formation (Light grey wackes, quartz wackes, siltstone, argillite)
- frq Fragmental Unit (Siltstone fragmental of lower-middle Aldridge contact)
- A1 Lower Aldridge Formation (Light to medium grey, rusty weathering siltstone, quartzitic wackes and wackes)
- gb Gabbro (Mafic intrusives - fine grained to medium grained sills and dikes complexes)

SYMBOLS

- Bedding
- Foliation
- Fault
- Geological contact
- Outcrop
- Floats
- Laminite location and stratigraphic markers
- Station location
- 07473 Analytical sample site
- Drill hole location
- Camp
- Logging road

ABBREVIATIONS

- chl Chlorite
- ser Sericite
- qtz Quartz
- vlnet Veinlet
- tur Tourmaline
- flt Float



GEOLOGICAL SURVEY BRANCH
BRITISH COLUMBIA

26,120

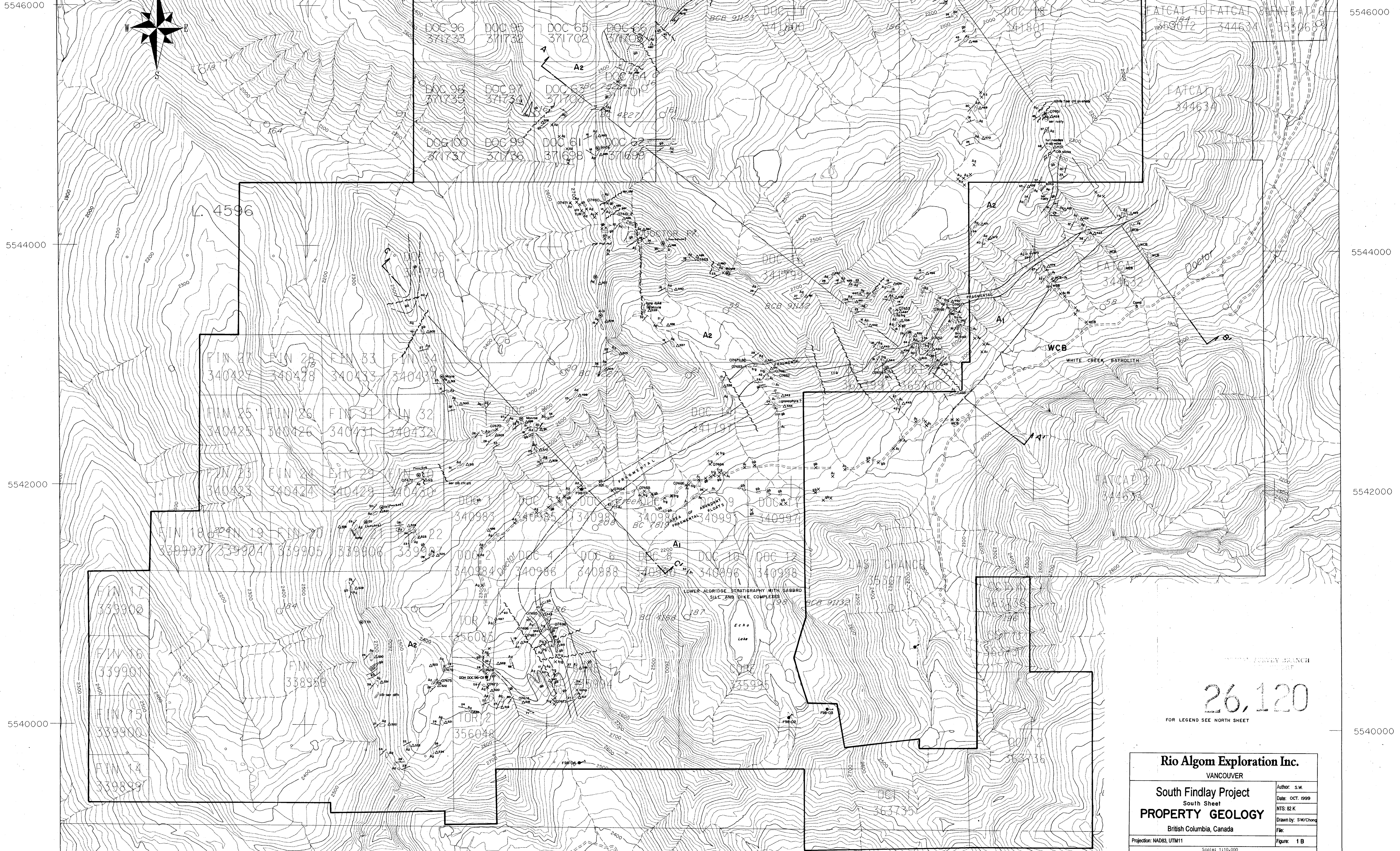
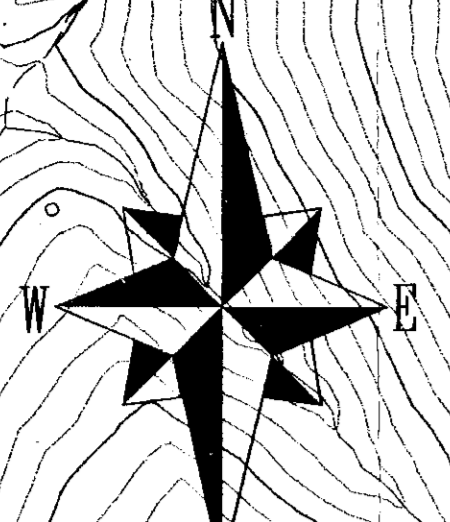
Rio Algom Exploration Inc.
VANCOUVER

South Findlay Project
North Sheet
PROPERTY GEOLOGY
British Columbia, Canada

Author: SW
Date: Oct. 1999
NTS: 82 K
Drawn by: SW/Chong
File:
Figure: 1 A

Projection: NAD83, UTM11
Scale: 1:110,000
Kilometres

INTERFORGE
EXPLORATION CO. LTD.
13, 801 ST. JEROME ST. W. L.S.
VANCOUVER, B.C. V6P 4K1
TEL: 604-271-1111



L. 4596

FIN 27 FIN 28 FIN 33 FIN 34
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FIN 25 FIN 26 FIN 31 FIN 32
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FIN 18 FIN 19 FIN 20
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FIN 17
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FIN 16
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FIN 15
339902

FIN 14
339899

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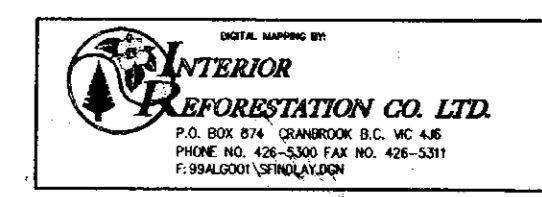
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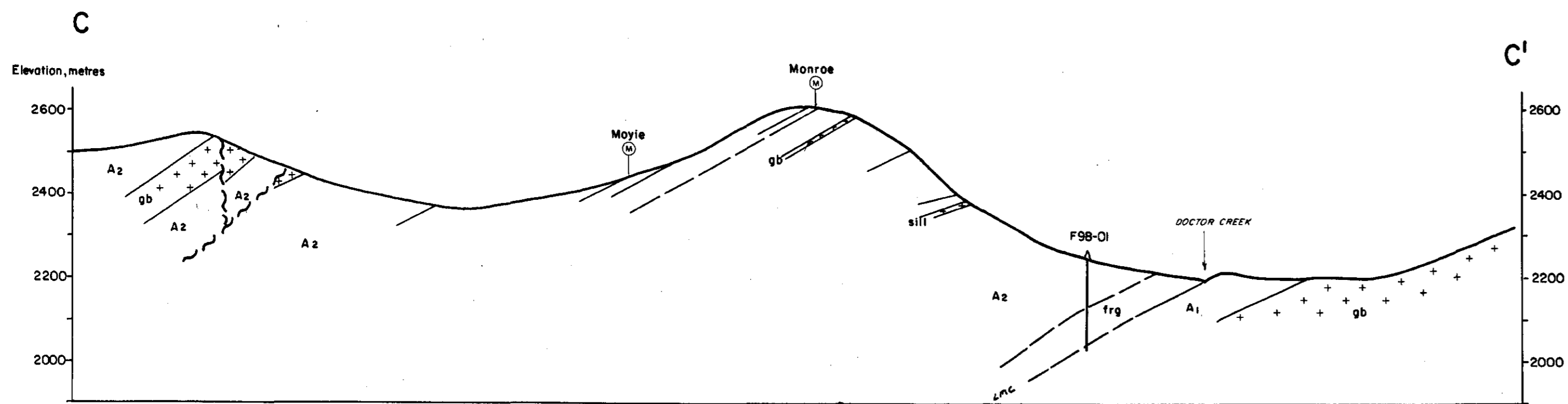
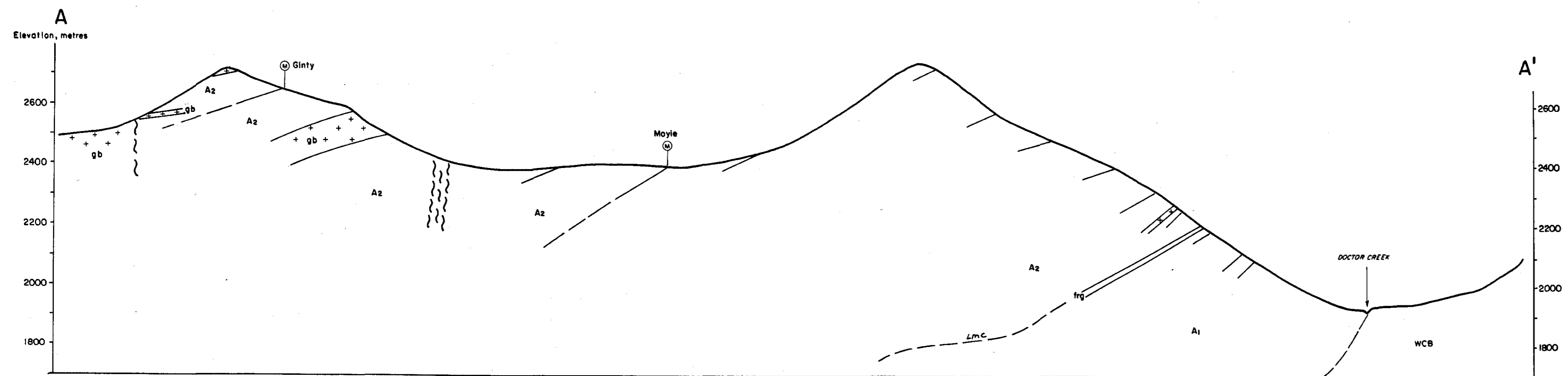
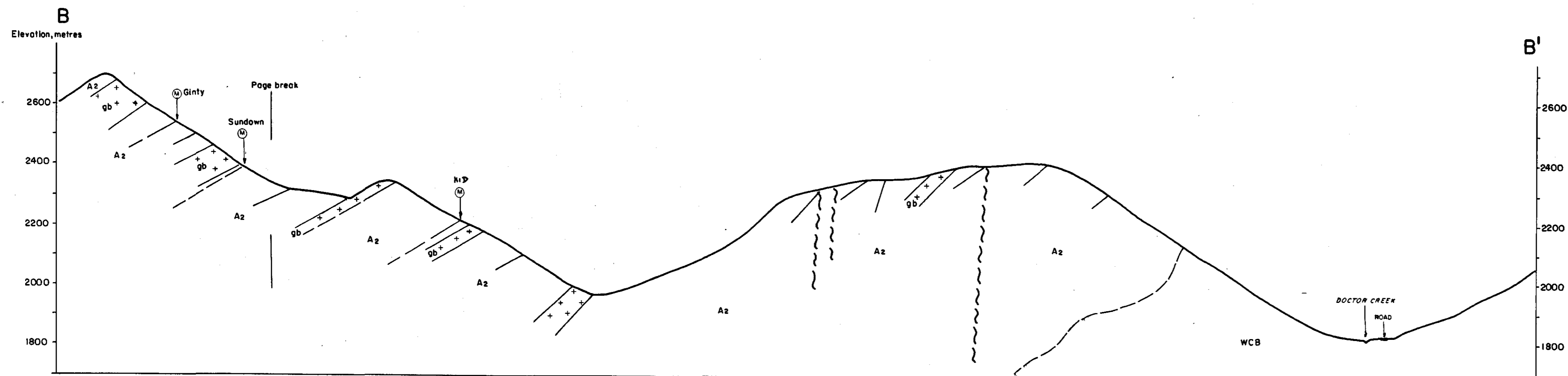
Rio Algom Exploration Inc.
VANCOUVER

South Findlay Project
South Sheet
PROPERTY GEOLOGY
British Columbia, Canada

Author: S.W.
Date: OCT. 1999
NTS: 82 K
Drawn by: SW/Chong
File:
Figure: 1 B

Projection: NAD83, UTM11
Scale: 1:10,000
1 0 100
KI Tones/Res





- LEGEND**
- TERTIARY**
 lamp Lamprophyre dike
- CRETACEOUS**
 WCB White Creek Batholith (Biotite monzogranite)
- MIDDLE PROTEROZOIC**
 CR Creston Formation (Light green-grey siltstone, mudstone, argillite)
 A3 Upper Aldridge Formation (Mid to dark grey rusty argillite and siltstone)
 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)
- Geological contact
 Fault
 Bedding
 Laminite location and stratigraphic markers
 Drill hole
- For location of sections see Property Geology (Fig.1A, B)

GEOLOGICAL SURVEY BRANCH
 ASSESSMENT REPORT

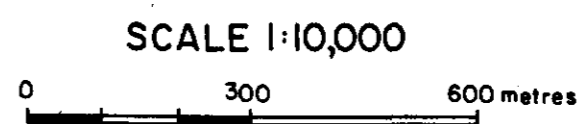
26,120

Rio Algom Exploration Inc.
 SOUTH FINDLAY PROJECT

**GEOLOGICAL
 CROSS-SECTIONS**
 LOOKING NE

N.T.S. 82K-1 GOLDEN M.D., B.C.

DATE OCT. 1999 DRAWN BY S.W. / Chong FIGURE 2



APPENDIX III

Time Stratigraphic Marker Horizons (Laminites Collected)

| Station Number | Marker Horizon | Comments |
|----------------|----------------|--|
| A441 | No | Laminite sample only; not marker material |
| 447 | Meadowbrook | Previously identified |
| A450A | Shaft | Poor match; host unit was mapped as Upper Aldridge Fm. |
| A450B | Shaft | Poor match; host unit was mapped as Upper Aldridge Fm. |
| A452 | Yes | Marker material, but not matched due to poor sample |
| A456 | No | Laminite sample only; not marker material |
| A458 | No | Laminite sample only; not marker material |
| A461 | Meadowbrook | Matched |
| A465 | Sundown | Matched |
| A466 | Sundown | Poor match |
| A467 | Kid | Matched |
| A475 | Meadowbrook | Matched |
| A484 | Ginty | Projected from other markers and geology |
| A488 | Sundown | Projected from other markers and geology |
| A490 | Moyie | Projected from other markers and geology |
| A499 | Monroe | Matched |
| A501 | Moyie | Matched |
| A506 | Kid | Matched |
| A507 | Meadowbrook | Matched |
| A527 | Yes | Marker material, but no match obtained |
| A542 | Yes | Marker material, but no match obtained |
| A513 | Monroe | Matched |

APPENDIX IV

Analytical Sample Descriptions

| Tag Number | Sample Number | Station Number | Formation | Description |
|------------|---------------|----------------|---------------|---|
| FLG 01 | 07451 | A428 | A2 | Alb/Chl altered shear |
| FLG 02 | 07452 | A434 | Fragmental | Rusty with rare fragmentals. |
| FLG 03 | 07453 | A437 | A2 | Rusty, dark grey quartz wacke |
| FLG 04 | 07454 | A444 | A1 | Rusty quartzitic wacke, possible fragments |
| FLG 05 | 07455 | A449 | A3 | Strongly foliated pyrite |
| FLG 06 | 07456 | A451 | A2 | Dark grey argillite with tourmaline needles |
| FLG 07 | 07457 | A463 | A2 | Chlorite altered wacke below fragmental bed |
| FLG 08 | 07458 | A464 | A2 | Malachite stained laminated siltstone with cross-cutting copper fractures |
| FLG 09 | 07459 | A477 | A2 | Chlorite/sericite fault breccia |
| FLG 10 | 07460 | A485 | A2 | Float, dark grey siltstone with tourmaline needles |
| FLG 11 | 04761 | A486 | A2 | Dark grey siltstone with quartz wacke and rusty staining |
| FLG 12 | 07462 | A486 | A2 | Medium grey siltstone with abundant tourmaline needles |
| FLG 13 | 07463 | A489 | A2 | Rusty dark grey siltstone-argillite |
| FLG 14 | 07464 | - | Fragmental | Float, fragmental with rusty weathering |
| FLG 15 | 07465 | - | Fragmental | Float, includes hard quartz wacke with Po |
| FLG 16 | 07466 | | Fragmental | Float, Po fragments in quartz wacke |
| FLG 17 | 07467 | A495 | Fragmental | Quartz wacke with a few fragmentals |
| FLG 18 | 07468 | A495 | Fragmental/A1 | Quartz wacke with a few fragmentals |
| FLG 19 | 07469 | A459 | A2 | Rusty, sericitic quartz wacke |
| FLG 20 | 07470 | A503 | A2 | Laminated, rusty dark grey siltstone below fragmental |
| FLG 21 | 07471 | A507 | A2 | Tourmaline bearing rusty siltstone |
| FLG 22 | 07472 | A513 | A2 | Rusty laminated siltstone |
| FLG 23 | 07473 | A517 | Fragmental | Float sample |
| FLG 24 | 07474 | A518 | Gabbro | Chip sample across quartz vein/shear |
| FLG 25 | 07475 | A522 | Fragmental | Foliated quartz wacke/fragmental with chlorite, rust |
| FLG 26 | 07476 | A523 | A2 | Rusty, medium grey quartz wacke |
| FLG 27 | 07477 | A535 | A2 | Disseminated galena in concretions |
| FLG 28 | 07478 | A535 | A2 | Float, disseminated Po, galena in rusty quartz wacke |
| FLG 29 | 07479 | A541 | Fragmental | Rusty fragmental with sericitic clasts |
| FLG 30 | 07480 | A541 | A2 | Siltstone above fragmental bed |
| FLG 31 | 07481 | A 542 | Fragmental | Rusty fragmental with few fragments |
| FLG 32 | 07482 | A542 | Fragmental | Fragmental with albitized fragments |
| FLG 33 | 07483 | A541 | Fragmental | Grab sample fragmental |
| FLG 34 | 07484 | - | Fragmental | Grab sample (float) |
| FLG 35 | 07485 | A545 | Fragmental | Moderately rusty with flattened fragments |
| FLG 36 | 07486 | A546 | Fragmental | Po bearing quartz wacke with nearby alb. alteration |
| FLG 37 | 07487 | A547 | Fragmental | Float/grab sample |
| FLG 38 | 07488 | A547 | Fragmental | Rusty fragmental one metre above LMC |

APPENDIX V
Analytical Results



**ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING**

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

CERTIFICATE OF ASSAY AK 99-481

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

23-Sep-99

ATTENTION: SIG WEIDNER

*No. of samples received: 38
Sample type: Rock
PROJECT #: 9902
SHIPMENT #: None Given
Samples submitted by: Len Gal*


| ET #. | Tag # | Zn (%) |
|--------------|--------------|-------------------|
| 28 | FLG28 | 1.43 |

QC/DATA:

Standard:

Cula 2.85

XLS/99


ECO-TECH LABORATORIES LTD.
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B.C. Certified Assayer

23-Sep-99

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KAMLOOPS, B.C.
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 99-481

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: 38
Sample type: Rock
PROJECT #: 9902
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 | Tl % | U | V | W | Y | Zn |
|-------|-------|---------|------|------|----|-----|----|-------|----|----|-----|------|------|-----|-------|-----|----|-------|----|------|----|----|-----|----|-------|-----|----|-----|----|-----|
| 1 | FLG1 | 5 | <0.2 | 0.80 | <5 | 45 | <5 | 0.25 | <1 | 5 | 115 | 17 | 1.13 | <10 | 0.32 | 344 | <1 | 0.09 | 4 | 210 | 10 | 5 | <20 | 7 | 0.15 | <10 | 20 | <10 | 31 | 30 |
| 2 | FLG2 | 35 | <0.2 | 1.37 | <5 | 150 | 15 | 0.08 | <1 | 9 | 98 | 26 | 3.03 | 10 | 0.47 | 253 | <1 | 0.02 | 8 | 240 | 16 | <5 | <20 | <1 | 0.16 | <10 | 16 | <10 | 21 | 38 |
| 3 | FLG3 | 10 | <0.2 | 1.12 | <5 | 100 | 15 | 0.07 | <1 | 11 | 168 | 25 | 2.59 | 10 | 0.41 | 240 | <1 | 0.03 | 12 | 300 | 12 | <5 | <20 | <1 | 0.14 | <10 | 13 | <10 | 25 | 42 |
| 4 | FLG4 | 5 | <0.2 | 1.34 | <5 | 125 | 15 | 0.14 | <1 | 8 | 125 | 19 | 2.24 | 10 | 0.66 | 253 | <1 | 0.03 | 14 | 260 | 14 | 10 | <20 | <1 | 0.15 | <10 | 21 | <10 | 51 | 47 |
| 5 | FLG5 | 5 | <0.2 | 1.62 | 10 | 100 | 10 | 0.15 | <1 | 6 | 135 | 91 | 2.60 | 10 | 1.07 | 342 | <1 | 0.04 | 7 | 480 | 14 | 10 | <20 | <1 | 0.18 | <10 | 37 | <10 | 43 | 23 |
| 6 | FLG6 | 5 | <0.2 | 2.12 | 15 | 40 | 15 | 0.02 | <1 | 9 | 91 | 7 | 4.04 | <10 | 1.57 | 183 | 10 | 0.01 | 8 | 510 | 14 | 10 | <20 | 3 | <0.01 | <10 | 15 | <10 | <1 | 52 |
| 7 | FLG7 | <5 | <0.2 | 1.21 | 5 | 35 | 10 | 0.10 | <1 | 11 | 92 | 10 | 2.38 | 30 | 0.78 | 188 | 3 | 0.02 | 11 | 210 | 98 | 5 | <20 | <1 | 0.02 | <10 | 11 | <10 | 7 | 41 |
| 8 | FLG8 | 15 | 1.2 | 1.09 | 5 | 80 | <5 | 0.06 | 1 | 9 | 50 | 1141 | 2.12 | 20 | 0.56 | 216 | 4 | 0.02 | 17 | 290 | 12 | <5 | <20 | <1 | 0.06 | <10 | 8 | <10 | 15 | 118 |
| 9 | FLG9 | 10 | <0.2 | 2.23 | <5 | 45 | 20 | 0.18 | <1 | 13 | 71 | 15 | 4.19 | <10 | 1.75 | 401 | <1 | 0.03 | 19 | 120 | 14 | 10 | <20 | <1 | 0.11 | <10 | 58 | <10 | 22 | 63 |
| 10 | FLG10 | 20 | 0.2 | 0.25 | 40 | 45 | <5 | <0.01 | <1 | 2 | 68 | 45 | 0.98 | 40 | 0.01 | 39 | 2 | 0.01 | 4 | 140 | 4 | <5 | <20 | <1 | <0.01 | <10 | 1 | <10 | 7 | 12 |
| 11 | FLG11 | 5 | <0.2 | 0.10 | <5 | 10 | <5 | 0.03 | <1 | 2 | 105 | 16 | 0.31 | <10 | <0.01 | 22 | 2 | 0.02 | 3 | 120 | 6 | <5 | <20 | <1 | 0.05 | <10 | <1 | <10 | 16 | <1 |
| 12 | FLG12 | <5 | <0.2 | 0.16 | <5 | 25 | <5 | 0.02 | <1 | 2 | 105 | 23 | 0.44 | 10 | <0.01 | 19 | 2 | 0.02 | 3 | 350 | 18 | <5 | <20 | <1 | 0.08 | <10 | <1 | <10 | 21 | <1 |
| 13 | FLG13 | 5 | <0.2 | 0.75 | 95 | 55 | 5 | 0.04 | <1 | 6 | 64 | 48 | 2.33 | 20 | 0.18 | 150 | 3 | 0.01 | 6 | 500 | 12 | <5 | <20 | <1 | 0.05 | <10 | 5 | <10 | 31 | 23 |
| 14 | FLG14 | 5 | <0.2 | 1.62 | <5 | 110 | <5 | 0.15 | <1 | 28 | 73 | 160 | 4.40 | 20 | 0.64 | 292 | 10 | 0.02 | 23 | 580 | 12 | <5 | <20 | <1 | 0.14 | <10 | 16 | <10 | 73 | 50 |
| 15 | FLG15 | 5 | <0.2 | 2.11 | 5 | 50 | 30 | 0.96 | 1 | 25 | 59 | 45 | 7.75 | <10 | 0.64 | 838 | <1 | 0.05 | 2 | 2630 | 16 | <5 | <20 | 3 | 0.26 | <10 | 8 | <10 | 42 | 137 |
| 16 | FLG16 | 5 | <0.2 | 1.30 | 10 | 110 | 15 | 0.15 | <1 | 11 | 75 | 24 | 3.11 | 10 | 0.63 | 387 | <1 | 0.02 | 12 | 450 | 18 | <5 | <20 | <1 | 0.14 | <10 | 15 | <10 | 39 | 43 |
| 17 | FLG17 | 5 | <0.2 | 0.79 | <5 | 115 | 10 | 0.08 | <1 | 6 | 93 | 22 | 1.68 | 10 | 0.25 | 237 | <1 | 0.03 | 6 | 200 | 12 | <5 | <20 | 5 | 0.12 | <10 | 21 | <10 | 32 | 36 |
| 18 | FLG18 | <5 | <0.2 | 1.37 | <5 | 150 | 15 | 0.03 | <1 | 7 | 118 | 11 | 2.66 | 10 | 0.54 | 289 | <1 | 0.03 | 7 | 210 | 16 | <5 | <20 | <1 | 0.16 | <10 | 18 | <10 | 14 | 47 |
| 19 | FLG19 | <5 | <0.2 | 0.22 | 10 | 35 | <5 | <0.01 | <1 | <1 | 95 | 6 | 0.47 | 30 | <0.01 | 20 | 2 | 0.02 | 2 | 90 | 22 | <5 | <20 | <1 | 0.02 | <10 | 1 | <10 | 10 | 2 |
| 20 | FLG20 | 5 | <0.2 | 0.52 | 15 | 50 | <5 | 0.04 | <1 | 2 | 35 | 51 | 1.23 | 30 | 0.02 | 21 | 12 | <0.01 | 4 | 580 | 10 | <5 | <20 | <1 | 0.02 | <10 | 3 | <10 | 26 | 5 |

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| Et #. | Tag # | Au(ppb) | Ag | Al % | As | Ba | Bi | Ca % | Cd | Co | Cr | Cu | Fe % | La | Mg % | Mn | Mo | Na % | Ni | P | Pb | Sb | Sn | Sr | Ti % | U | V | W | Y | Zn |
|-------|-------|---------|------|------|----|-----|----|-------|----|-----|-----|-----|------|-----|------|-----|----|-------|----|------|------|----|-----|----|-------|-----|----|-----|----|--------|
| 21 | FLG21 | 10 | <0.2 | 0.30 | 5 | 50 | <5 | 0.01 | <1 | 2 | 67 | 22 | 1.46 | 30 | 0.01 | 24 | 3 | 0.02 | 5 | 250 | 4 | <5 | <20 | 5 | <0.01 | <10 | 2 | <10 | 13 | 9 |
| 22 | FLG22 | 10 | <0.2 | 0.32 | 15 | 80 | <5 | 0.11 | <1 | 8 | 44 | 21 | 2.50 | 30 | 0.05 | 437 | 6 | 0.01 | 13 | 290 | <2 | <5 | <20 | <1 | <0.01 | <10 | 2 | <10 | 5 | 14 |
| 23 | FLG23 | 5 | <0.2 | 1.06 | 5 | 75 | 10 | 0.23 | <1 | 10 | 63 | 21 | 2.66 | 20 | 0.57 | 364 | <1 | 0.02 | 13 | 410 | 18 | <5 | <20 | 2 | 0.10 | <10 | 10 | <10 | 42 | 48 |
| 24 | FLG24 | 10 | 1.0 | 0.26 | 10 | 15 | <5 | 0.06 | <1 | 8 | 124 | 405 | 4.15 | <10 | 0.12 | 130 | 10 | 0.01 | 6 | <10 | <2 | <5 | <20 | <1 | <0.01 | <10 | 19 | <10 | <1 | 18 |
| 25 | FLG25 | 5 | <0.2 | 0.78 | <5 | 70 | 5 | <0.01 | <1 | 3 | 50 | 32 | 2.76 | 20 | 0.29 | 79 | 2 | <0.01 | 2 | 280 | 6 | <5 | <20 | <1 | 0.06 | <10 | 7 | <10 | <1 | 22 |
| 26 | FLG26 | <5 | <0.2 | 2.28 | <5 | 45 | 40 | 0.75 | <1 | 22 | 39 | 45 | 6.99 | <10 | 0.91 | 544 | <1 | 0.09 | 2 | 2430 | 18 | <5 | <20 | 14 | 0.29 | <10 | 26 | <10 | 44 | 116 |
| 27 | FLG27 | 10 | <0.2 | 1.17 | <5 | 170 | 15 | 0.17 | 2 | 24 | 121 | 68 | 2.93 | <10 | 0.38 | 471 | <1 | 0.04 | 11 | 130 | 270 | <5 | <20 | 3 | 0.13 | <10 | 17 | <10 | 20 | 371 |
| 28 | FLG28 | 5 | 26.0 | 1.48 | 45 | 50 | 85 | 0.25 | 54 | 150 | 70 | 285 | 6.70 | <10 | 0.49 | 593 | <1 | 0.02 | 66 | 720 | 8804 | <5 | <20 | <1 | 0.13 | <10 | 24 | <10 | 61 | >10000 |
| 29 | FLG29 | <5 | <0.2 | 1.00 | <5 | 95 | 10 | 0.08 | <1 | 4 | 70 | 18 | 2.18 | 20 | 0.48 | 254 | <1 | 0.02 | 3 | 410 | 32 | <5 | <20 | 4 | 0.09 | <10 | 9 | <10 | 28 | 47 |
| 30 | FLG30 | <5 | <0.2 | 1.61 | 5 | 95 | 10 | 0.16 | <1 | 5 | 52 | 15 | 2.76 | 20 | 1.22 | 524 | <1 | 0.04 | 3 | 590 | 68 | 10 | <20 | <1 | 0.13 | <10 | 18 | <10 | 40 | 60 |
| 31 | FLG31 | <5 | <0.2 | 1.19 | <5 | 100 | 10 | 0.05 | <1 | 8 | 84 | 23 | 2.58 | 20 | 0.62 | 279 | <1 | 0.03 | 6 | 380 | 20 | <5 | <20 | 4 | 0.16 | <10 | 17 | <10 | 15 | 47 |
| 32 | FLG32 | <5 | <0.2 | 1.34 | <5 | 105 | 15 | 0.07 | <1 | 6 | 75 | 16 | 2.94 | 20 | 0.73 | 362 | <1 | 0.03 | 3 | 300 | 44 | <5 | <20 | 3 | 0.16 | <10 | 18 | <10 | 23 | 50 |
| 33 | FLG33 | 5 | <0.2 | 1.18 | <5 | 105 | 15 | 0.09 | <1 | 4 | 80 | 12 | 2.62 | 20 | 0.61 | 314 | <1 | 0.03 | 3 | 450 | 20 | 5 | <20 | <1 | 0.11 | <10 | 13 | <10 | 30 | 28 |
| 34 | FLG34 | <5 | <0.2 | 1.03 | 10 | 80 | 10 | 0.11 | <1 | 5 | 49 | 15 | 2.79 | 10 | 0.55 | 249 | <1 | 0.02 | 5 | 440 | 20 | <5 | <20 | <1 | 0.10 | <10 | 10 | <10 | 42 | 34 |
| 35 | FLG35 | <5 | <0.2 | 1.14 | 5 | 90 | 15 | 0.05 | <1 | 5 | 84 | 17 | 3.48 | 30 | 0.60 | 263 | <1 | 0.03 | 3 | 420 | 12 | <5 | <20 | 2 | 0.14 | <10 | 12 | <10 | 19 | 32 |
| 36 | FLG36 | 5 | <0.2 | 0.50 | 10 | 50 | 5 | 0.14 | <1 | 8 | 96 | 31 | 1.44 | <10 | 0.21 | 162 | 3 | 0.03 | 9 | 240 | 80 | <5 | <20 | 7 | 0.07 | <10 | 9 | <10 | 27 | 223 |
| 37 | FLG37 | <5 | <0.2 | 1.25 | <5 | 100 | 10 | 0.08 | <1 | 10 | 76 | 26 | 2.50 | 20 | 0.58 | 346 | <1 | 0.02 | 8 | 410 | 14 | 5 | <20 | 11 | 0.13 | <10 | 14 | <10 | 38 | 34 |
| 38 | FLG38 | <5 | <0.2 | 1.32 | <5 | 115 | 15 | 0.12 | <1 | 6 | 62 | 13 | 2.87 | 10 | 0.69 | 429 | <1 | 0.03 | 5 | 490 | 22 | 10 | <20 | <1 | 0.15 | <10 | 21 | <10 | 35 | 47 |

QC DATA:

Resplit:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|-------|---|------|------|----|----|----|------|----|---|-----|----|------|-----|------|-----|----|------|---|-----|----|----|-----|----|------|-----|----|-----|----|-----|
| 1 | FLG1 | 5 | <0.2 | 0.80 | <5 | 45 | <5 | 0.25 | <1 | 4 | 107 | 15 | 1.15 | <10 | 0.33 | 351 | <1 | 0.09 | 2 | 220 | 10 | <5 | <20 | 5 | 0.16 | <10 | 21 | <10 | 30 | 31 |
| 36 | FLG36 | 5 | <0.2 | 0.49 | 5 | 45 | 10 | 0.12 | <1 | 8 | 83 | 29 | 1.39 | <10 | 0.20 | 177 | 3 | 0.03 | 8 | 230 | 76 | <5 | <20 | <1 | 0.06 | <10 | 8 | <10 | 25 | 215 |

Repeat:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|-------|----|------|------|----|----|----|-------|----|----|-----|----|------|-----|-------|-----|----|------|---|-----|----|----|-----|----|-------|-----|----|-----|----|----|
| 1 | FLG1 | 5 | <0.2 | 0.84 | <5 | 45 | <5 | 0.26 | <1 | 5 | 112 | 18 | 1.17 | <10 | 0.34 | 355 | <1 | 0.10 | 2 | 210 | 10 | 5 | <20 | 5 | 0.16 | <10 | 21 | <10 | 33 | 31 |
| 19 | FLG10 | 20 | <0.2 | 0.25 | 35 | 40 | <5 | <0.01 | <1 | 2 | 68 | 44 | 0.99 | 40 | <0.01 | 37 | 3 | 0.01 | 4 | 140 | 4 | <5 | <20 | <1 | <0.01 | <10 | 1 | <10 | 5 | 12 |
| 10 | FLG19 | <5 | <0.2 | 0.22 | 5 | 25 | <5 | <0.01 | <1 | <1 | 93 | 6 | 0.48 | 20 | <0.01 | 21 | 2 | 0.02 | 2 | 90 | 20 | <5 | <20 | <1 | 0.01 | <10 | 1 | <10 | 9 | 4 |
| 36 | FLG36 | <5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |


Standard:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|--|-----|-----|------|----|-----|----|------|----|----|----|----|------|-----|------|-----|----|------|----|-----|----|----|-----|----|------|-----|----|-----|---|----|
| GEO'99 | | 125 | 1.0 | 1.81 | 65 | 150 | 10 | 1.89 | 1 | 19 | 62 | 86 | 3.65 | <10 | 0.98 | 669 | <1 | 0.03 | 25 | 730 | 22 | 5 | <20 | 60 | 0.12 | <10 | 76 | <10 | 8 | 68 |
| GEO'99 | | 120 | 1.0 | 1.79 | 65 | 150 | 10 | 1.90 | <1 | 19 | 61 | 87 | 3.63 | <10 | 0.96 | 664 | <1 | 0.02 | 22 | 710 | 20 | 10 | <20 | 54 | 0.11 | <10 | 76 | <10 | 7 | 65 |

dl/481

XLS/99

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