ARIS SUMMARY SHEET

District Geologist, Kamloops   Off Confidential: 90.03.23

ASSESSMENT REPORT 18597   MINING DIVISION: Kamloops

PROPERTY:	G				
LOCATION:	LAT	51 29 20	LONG	120 18 34	
	UTM	10	5707408	686795	
	NTS	092P08W			
CAMP:	036	Cariboo - Quesnel Belt			

CLAIM(S): G 9-13
OPERATOR(S): Esso Res.
AUTHOR(S): Dom, K.
REPORT YEAR: 1989, 50 Pages
COMMODITIES
SEARCHED FOR: Gold
KEYWORDS: Triassic,Nicola Group,Thuya Batholith,Hornblende Diorite,Andesite
Limestone,Skarn
WORK
DONE: Geochemical,Geological
GEOL 2500.0 ha
Map(s) - 3; Scale(s) - 1:500,1:10 000
HMIN 13 sample(s) ;ME
SAMP 124 sample(s) ;ME
SILT 25 sample(s) ;ME
SOIL 364 sample(s) ;ME
Map(s) - 6; Scale(s) - 1:1000,1:5000
MINFILE: 092P 013

1988 ASSESSMENT REPORT
ON THE
G CLAIMS

NTS: 92P/8W

Owner/Operator:
Esso Minerals Canada, A Division of
ESSO RESOURCES CANADA LIMITED
1600 - 409 Granville Street
Vancouver, B.C. V6C 1T2

by:
K. Dom

January 1989

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1.0 SUMMARY AND CONCLUSIONS

The G Claim Group is located 13km west of the town of Little Fort in south central British Columbia. The geographical coordinates of the approximate centre of the property are 51°29'20"N and 120°18'34"W.

The G Claim Group consists of five contiguous claims totalling 100 units. The mineral claims lie within the Kamloops Mining Division, British Columbia.

A portion of the property was previously staked in 1985 to test for skarn and shear hosted mineralization. Geologic mapping, rock sampling, soil sampling and 2.2 line kilometres of VLF-EM was completed.

Much of the western portion of the property is occupied by fine to medium-grained diorite-gabbro. This intrusive mass seems to be a marginal phase of the much larger Thuya Batholith further to the southwest. Eastward, the multiphase diorite-gabbro is in contact with a westward dipping homoclinal package of massive andesites, argillites, limestones and cherts of the Nicola Formation. It is possible this package of rock could be part of the Cashe Creek Formation.

The 1988 exploration program involved the establishment of a 600 X 800m soil grid over the "Discovery" showing and the re-establishment of portions of the old Craven Resources soil grid which were re-sampled and extended eastwards. A total of 488 rock and soil samples were taken from the property. A total of 25 sediment samples and 13 heavy mineral samples were taken from all drainages on the property.

The entire property was mapped at a 1:10,000 scale with detailed mapping and sampling of the "Discovery" showing reproduced at a 1:500 scale.

The best value returned from the rock chip sampling of the "Discovery" showing is 3.15 g/t Au and 36.9 g/t Ag over 3.0m. Grid-controlled, soil geochemical results from this area did not define significant trends other than a few erratic spot highs clustered near the "Discovery" showing.

A series of six, sub-parallel, 10 to 30cm wide, quartz veins were discovered in Nehalliston Creek; 450 ppb Au and 13.7 ppm Ag were the most significant values returned from the veins. Potential exists out of the creek valley along strike where there is limited or no exposure.

Skarn/manto gold mineralization, adjacent the diorite-gabbro, is perhaps the best target on the property in the Nicola limestone member. A favorable geologic environment combined with soil samples anomalous in Au, B, Ba, As, Fe, Mn, Zn, Pb, Cu and Mo and visible semi-massive sulphide horizons within the limestone, as well as Au-bearing quartz vein stockworks in the diorite-gabbro indicate that such a target might be found.

2.0 INTRODUCTION

2.1 Location and Access

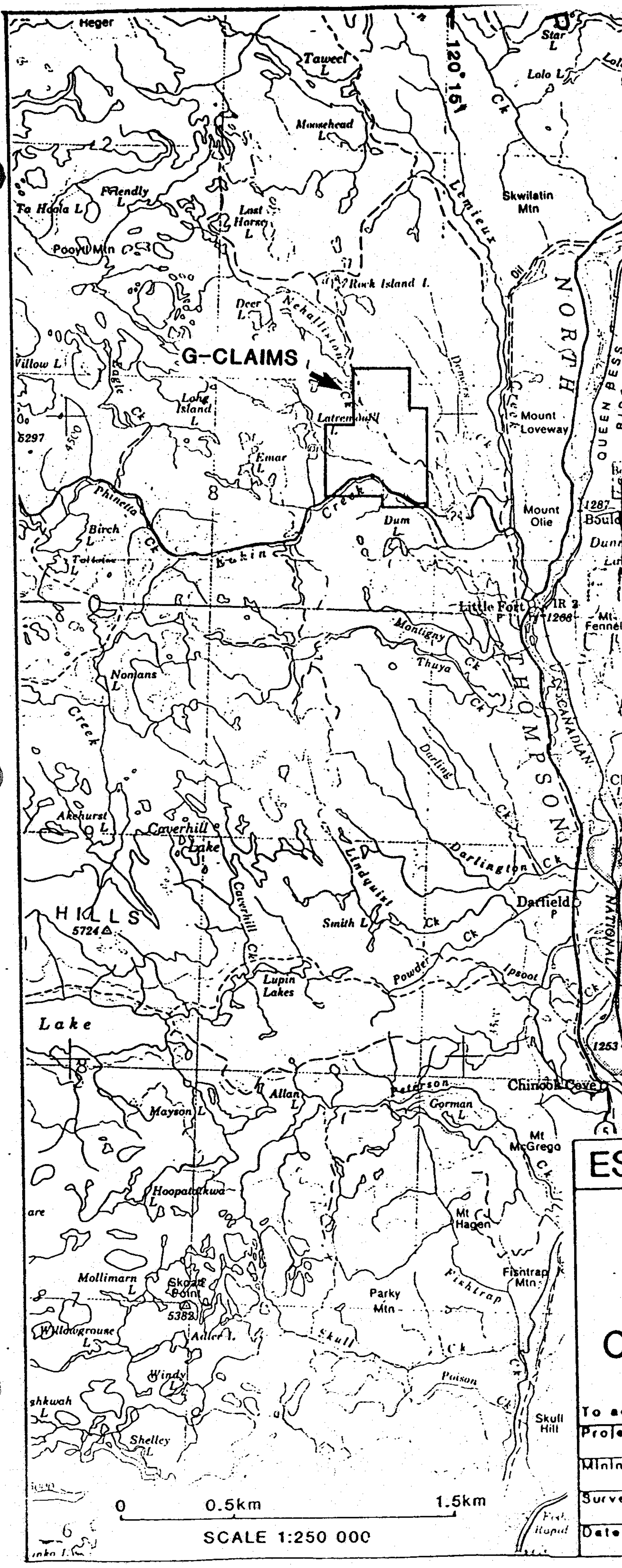
The G Claim Group (100 units) is located 13km west of the town of Little Fort in south central British Columbia. The claims are immediately west of Latremouille Lake and north of Dum Lake. The geographical coordinates of the approximate centre of the property are 51°29'20"N and 120°18'34"W, equivalent to UTM coordinates of 5707300N and 686750E.

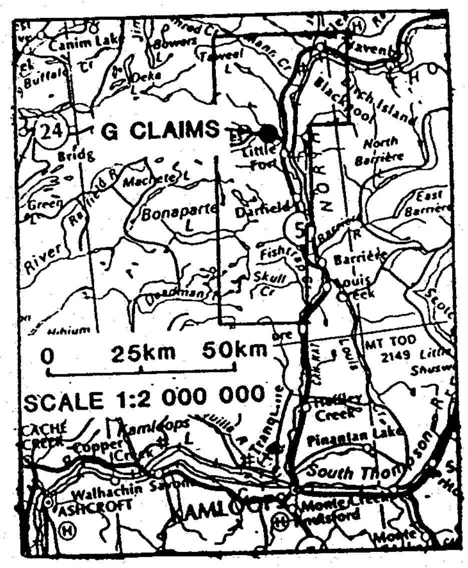
Year-round access to the property is by Highway 24 and the Thuya Lake access road (Fig. 1).

2.2 Physiography and Vegetation

The physiography of the area is one of rolling uplands spotted with numerous swamps and lakes. Occasional hill tops expose rock outcrop with most of the lower areas covered with 1 to 5m of mantle drift. To the south and east of the property Eakin and Nehalliston Creeks have incised deep V-shaped valleys.

The area is heavily timbered with mature and second growth conifer forest. Steep talus slopes, near the creeks, are dominated by deciduous vegetation.





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By	Date	Approv. By

ESSO MINERALS CANADA

G CLAIMS

CLAIM LOCATION MAP

To accompany a report by **K. DOM**

Project No: #132	Report No:
Mining Div: KAMLOOPS	NTS: 92 P/8
Survey By: K.D.	Drafted By: W.F.
Date: DEC./1988	Fig. 1

2.3 Claim Status

The G Claim Group consists of five contiguous claims totalling 100 units as follows:

Claim Record

Claim	Record No.	No. of Units	Staking Date
G9	7600	20	April 14, 1988
G10	7608	20	April 16, 1988
G11	7609	20	April 16, 1988
G12	7610	20	April 16, 1988
G13	7779	20	June 3, 1988
TOTAL		100 units	

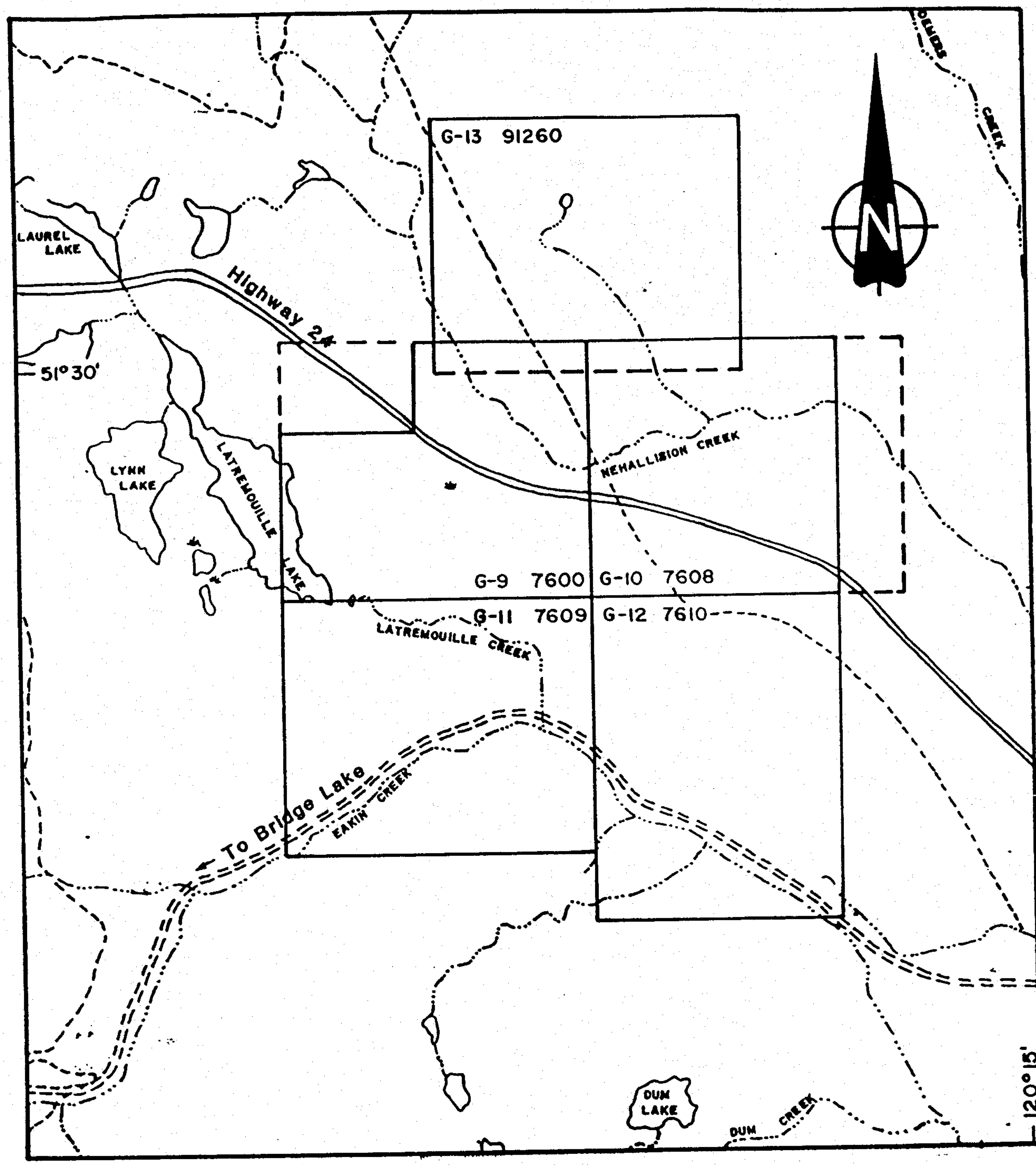
Mineral Claims lie within the Kamloops Mining Division, British Columbia.

2.4 History

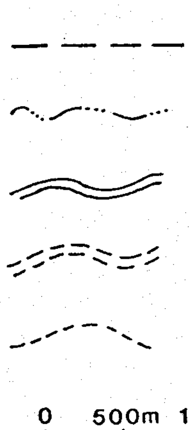
A portion of the property was first staked in 1985 by Craven Resources to cover potential skarn and shear hosted mineralization. In March of 1985, geologic mapping, rock sampling and soil sampling was undertaken. This was followed by 2.2 line kilometres of VLF-EM survey completed in January 1986 (Assessment Reports 13519 and 14477).

In early February 1988, George Wolanski, identified vein mineralization with anomalous gold values along a road outcrop at the summit of Highway 24 between Little Fort and Latremouille Lake. This was followed by staking of the G Claims (9 - 12) in mid-April 1988.

In late April, Esso personnel reaffirmed anomalous gold results and optioned the property from George Wolanski.



LEGEND



Overlapping claim boundry

Stream

Paved road

Gravel road

Trail

0 500m 1km 2km

SCALE 1:50 000

ESSO MINERALS CANADA

G CLAIMS

CLAIM MAP

To accompany a report by **K. DOM**

Project No. #132	Report No.
Mining Div. KAMLOOPS	NTS 92P/8
Survey By: K.D.	Drafted By: W.F.
Date: DEC./1988	Fig. 2

3.0 1988 WORK PROGRAM

3.1 Geochemical Program

A 600 X 800m soil grid with a north-south baseline and flagged east-west lines was established to geochemically test the area around the "Discovery" showing (Map 1). The inner 200 X 200m square of the grid was sampled at 25m intervals while the remaining area of the grid was sampled at 50m intervals. A total of 258 samples were taken.

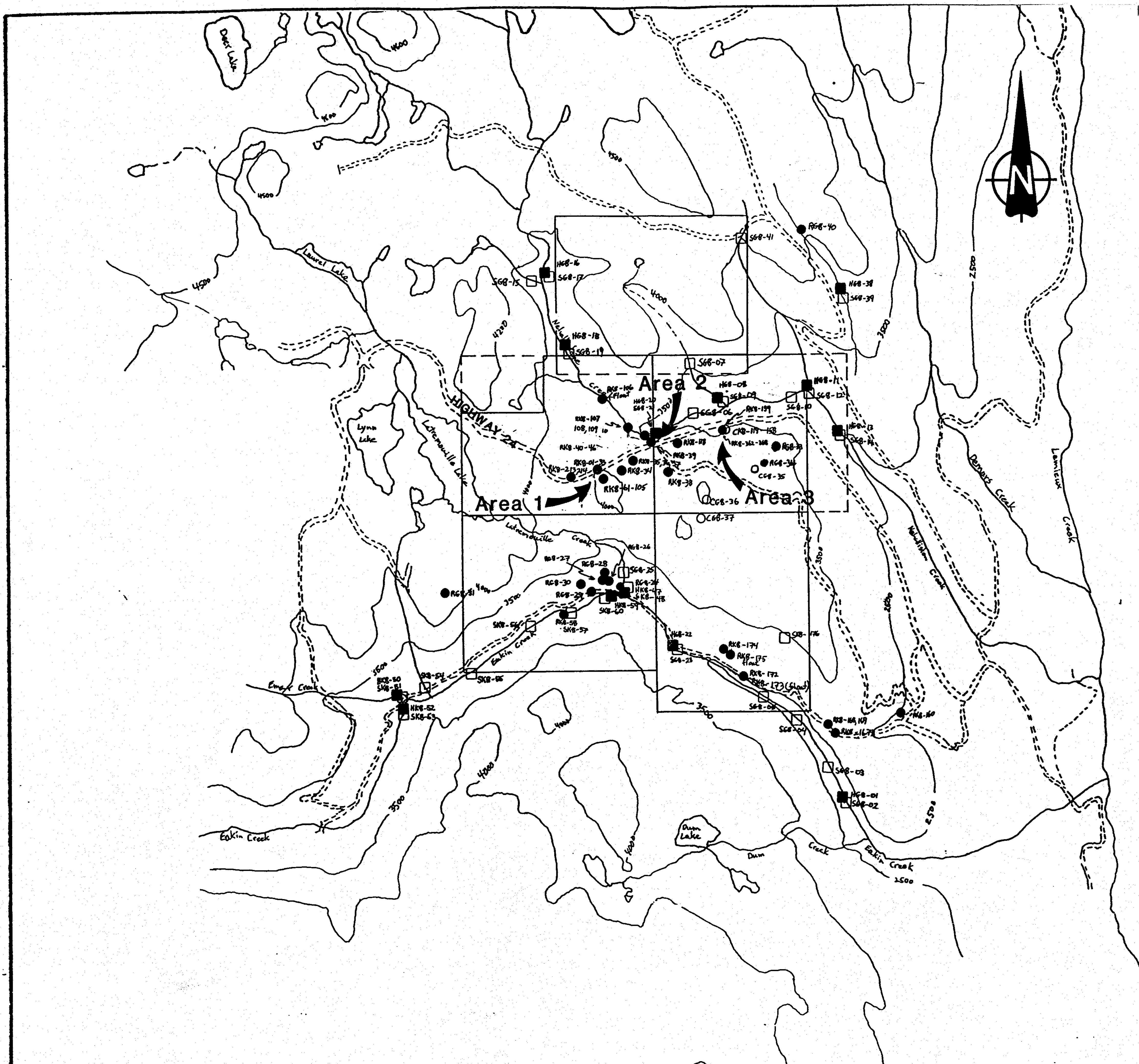
The 1986 soil grid, established by Craven Resources, was resampled and extended 200m to the east in areas of stratigic geologic interest (Map 1). A total of 66 soil samples were taken on this grid.

3.2 Stream Sediment Sampling

Eakin, Emar, Latremouille, Nehalliston and Demers Creeks (Fig. 3) were sampled for both silts (25 samples) and silt separates (13).

3.3 Mapping and Sampling of the "Discovery" Showing

Geologic mapping at a 1:500 scale and controlled rock chip sampling were done on the north and south highway outcrops of the "Discovery" showing. A total of 34 rock chip samples and 46 rock chip samples were taken from the north and south outcrops, respectively (Maps 2 and 3).



LEGEND

●	RK8 / RG8	ROCK SAMPLES
○	CK8 / CG8	SOIL SAMPLES
■	HK8 / HG8	HEAVY MINERAL SAMPLES
□	SK8 / SG8	SEDIMENT SAMPLES

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SAMPLE LOCATION MAP

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Date: DEC./1988	Fig. 3

3.4 Property Mapping and Prospecting

Mapping of the property has been completed on a 1:500 scale within the area of the "Discovery" soil grid and at a 1:10,000 scale on the rest of the property (Map 1). The best outcrop occurs along Highway 24 and the old Highway which accessed Thuya Lake. All creeks were noted and areas of potential geologic interest were traversed. In addition to those above, numerous rock and soil samples were taken over the entire property.

The work was conducted over two time periods: May 25 to June 12 and July 21 to July 28. A total of 92 man days were necessary to complete the program.

3.5 Analytical Techniques

A description of analytical techniques and sample values are found in Appendix I. Sample locations are recorded on Figure 3.

4.0 REGIONAL GEOLOGY

The area of the G Claims is within the southern extension of the Quesnel Trough, a basin of early Mesozoic eugeosynclinal deposition. To the west, the area is underlain by Permain to Jurassic volcanic and sedimentary strata which are truncated, intruded in spots, to the south and east by the Upper Triassic to Lower Jurassic Thuya Batholith. In places, contacts and intrusive emplacement are controlled by dominant northwest structural features (Fig. 4).

5.0 PROPERTY GEOLOGY

The property geology is presented on Map 2 at a 1:500 scale in the vicinity of the "Discovery" zone and at a 1:10,000 scale on Map 1 which covers the entire property.

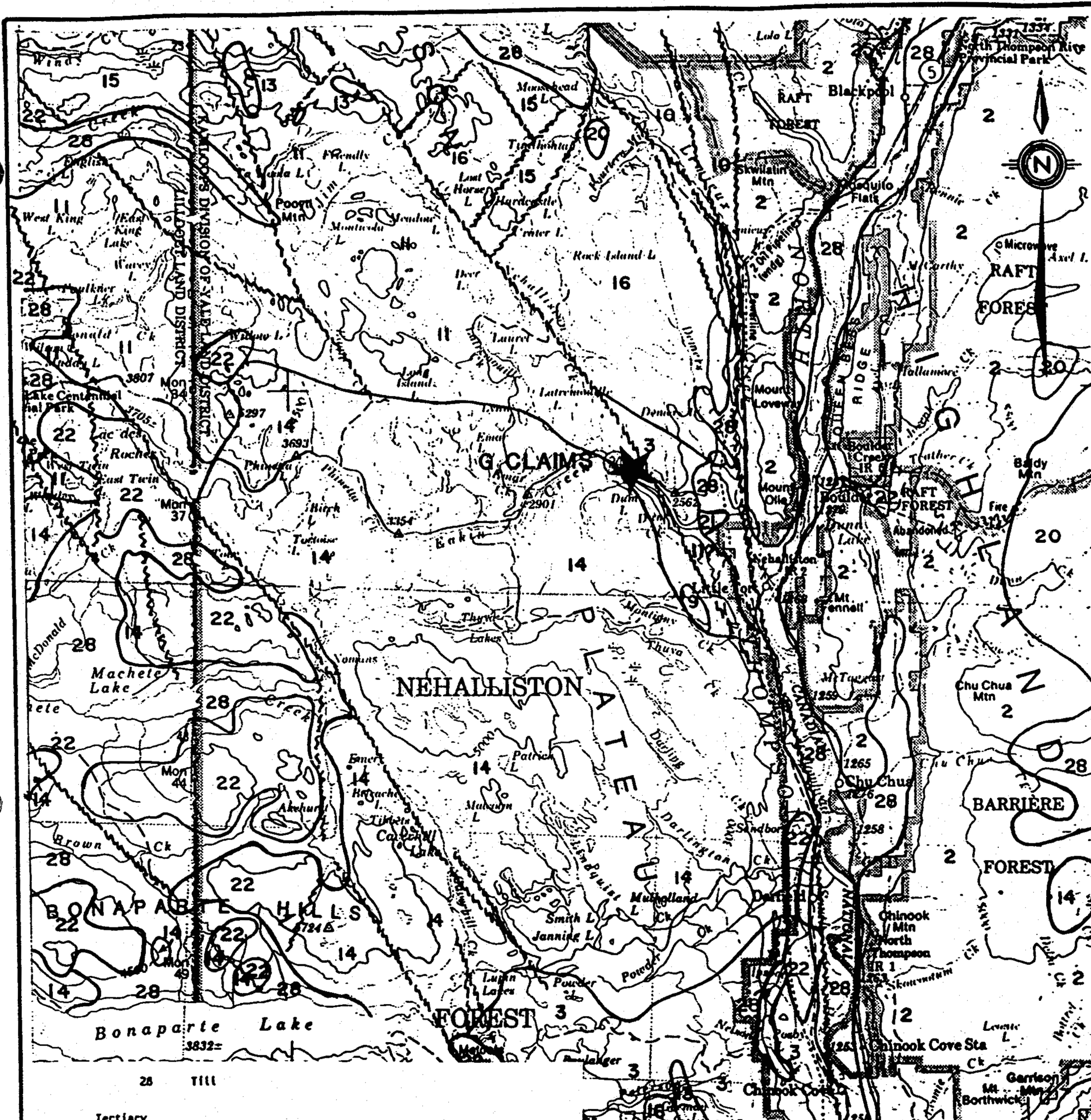
Much of the western portion of the property is occupied by fine to medium-grained diorite-gabbro. This intrusive mass seems to be a marginal phase of the much larger Thuya Batholith further to the southwest. Eastwards, the multiphase diorite-gabbro is in contact with massive andesites, argillites, limestones and cherts of the Nicola Formation.

5.1 Nicola Formation

Locally the Nicola Formation has been divided into three sub-units:

1A - Argillite with minor crystal and lapilli tuff

This unit is on the eastern margin of the property and structurally appears to be the oldest.



28 Till

Tertiary
25 Plateau Lavas
22 Skull Hill Formation

Cretaceous
20 Raft and Baldy Batholiths

Jurassic
16 Porphyritic Augite, Andesite and Tuff
15 Andesitic Arenite, Siltstone and Tuff

Triassic or Jurassic
14 Thuya Batholith
13 Intrusive Medium to Fine Grained

Triassic - Nicola Group
11 Augite Andesite Flow, Tuff, Greywacke and Grey Limestone
10 Black Shale, Phyllite and Black Limestone

Permian or Triassic
9 Serpentinite

Pennsylvanian and Permian
3 Volcanic Arenite, Greenstone and Argillite

Mississippian or Later - Slide Mountain Group
2 Fenell Formation

SCALE 1:250 000

0 2.5 5 10km

Modified after Campbell and Tipper Memoir 363

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G CLAIMS
REGIONAL GEOLOGY

To accompany a report by

Project No: #312	Report No:
Mining Div.: KAMLOOPS	NTS: 92 P
Survey By: K.D.	Drafted By: W.F.
Date: DEC./1988	Fig. 4

The argillites are generallly thinly-bedded, ranging 2 to 15cm in width, and are locally finely laminated. Pyrite content ranges from 0 to 1.5% and commonly imparts a reddish stain due to oxidation. The overlying sub-unit forms a transitional contact that is related to the percentage of volcanics versus sediments.

1B - Limestone

Pale green, semi-massive to poorly-bedded limestone and minor chert, containing partially recrystalized and black argillaceous sections occur within the volcanics and sediments of Unit 1C. The limestone forms a thin, well exposed, conformable unit along Highway 24 and along the access road to Thuya Lake. The highway exposure is dipping sub-vertically and has a width of +40m. To the south, along the Thuya Lake access road, minor folding occurs within the limestone resulting in an uncertain thickness.

1C - Mixed Volcanics and Sediments

Unit 1C is well-bedded to poorly-bedded andesite lapilli tuff, crystal lithic tuff and crystal tuff interbedded with bedded argillite and minor siltstone, sandstones and phyllites. Proportions between the volcanic and sedimentary components are variable. The tuffaceous nature of the volcanics are often difficult to recognize, easily being mistaken for sedimentary rocks. Lapilli textures are characterized by angular clasts up to 15cm. Turbiditic features of alternating well-bedded argillite and fine to medium-grained greywacke also occur within this package.

5.2 Multiphase Intrusive: Hornblende Diorite

Much of the western two-thirds of the property is occupied by fine to medium-grained multiphase hornblende diorite.

The "Discovery" showing, near the centre of the property, consists mainly of the multiphase intrusive. The outcrops along the highway and float boulders blasted from the road cut display three and possibly four phases of pre-mineral intrusions. Textures and composition vary from early medium to coarse-grained pyroxene or hornblende gabbro to diorite and later finer-grained diorite or grano-diorite. The later more felsic phases show pronounced segregation between the felsic and mafic mineral components.

To the west of the Discovery showing, the hornblende diorite is marginal to the Thuya Batholith; it is marked by a transitional contact that trends north-northwest across Eakin Creek towards the headwaters of Latremouille Creek.

The contact between the Nicola Group and the multiphase Dioritic Intrusion appears to be concordant to bedding. A subtle intrusive breccia zone, +170m wide, is exposed approximately 1.5km east of the main showing along Highway 24. The breccia is transitional between intrusive and volcanic/sedimentary rocks. The dominate clast type being hornblende diorite with minor sedimentary fragments. A moderate amount of shearing occurs in this area. However, the intrusive breccia zone does not seem to be of fault origin.

5.3 Thuya Batholith

The Thuya Batholith is a hornblende-biotite quartz diorite and granodiorite; hornblende diorite is minor. The batholith is at least 65 kms long (east-west) and 40 kms wide (north-south). On the property this rock unit is generally defined as granite and occurs on the western and southwestern areas of the property. The batholith has a transitional contact with the multiphase intrusive exposed at the "Discovery" showing.

6.0 STRUCTURE

The volcanic and sedimentary rocks in the eastern portion of the property form a westerly dipping homoclinal package. The general trend of this package is 150°/50°W although locally bedding is variable due to minor folds and perhaps fault disruption.

A well-defined shear zone occurs in phyllites on the east side of the limestone outcrop along Highway 24. On the Thuya Lake access road a similar shear zone occurs on the west side of the limestone unit. Displacement in these probably related shears appears minimal. The shear is located close to the intrusive contact, therefore could be localized by a combination of rock competency contrast and stress caused by the emplacement of the nearby Thuya Batholith.

Five hundred metres east of the shear zone, an exposure of multiphase hornblende diorite indicates an apophysis of the intrusive material cuts through the limestone.

The diorite displays three sets of block-like jointing and minor faulting.

7.0 MINERALIZATION

Three distinct types of mineralization occur on the G Claims: two types of vein occurrences, and skarn near the Nicola limestone unit.

Significant vein mineralization occurs along Highway 24 at the "Discovery" showing (Area 1). At least three phases of vein mineralization cut the multiphase hornblende dioritic intrusion. Early epidote-carbonate veins with a probable shallow dip to the north are cut by later subvertical chloritic veins. These vein sets are thin and irregular with occasional anastomosing textures. The third, possibly youngest, set is calcite-quartz-pyrite-chlorite veins which display a variety of attitudes. These veins locally carry gold values in which higher grade values are associated with pyrite-galena mineralization. The veins are 1 - 3cm wide, are semi-continuous, and are enclosed by 1 - 2cm alteration envelope.

The second type of vein mineralization is a newly discovered occurrence located 500m northeast of the main road exposure in Nehalliston Creek (Area 2). The exposure consists of a series of six, sub-parallel, milky-white, quartz veins trending 010° and dipping 50° westward (Fig. 5). These veins pinch and swell, average 20cm wide and are exposed over a $25m^2$ moss covered bank. Up to 2% pyrite and traces of galena are present. The host rock is fine-grained, micro-porphyritic and is probably related to the late, more felsic intrusive pulse.

The vein mineralization of the "Discovery" showing and the exposure in Nehalliston Creek are probably unrelated because of their contrasting styles and

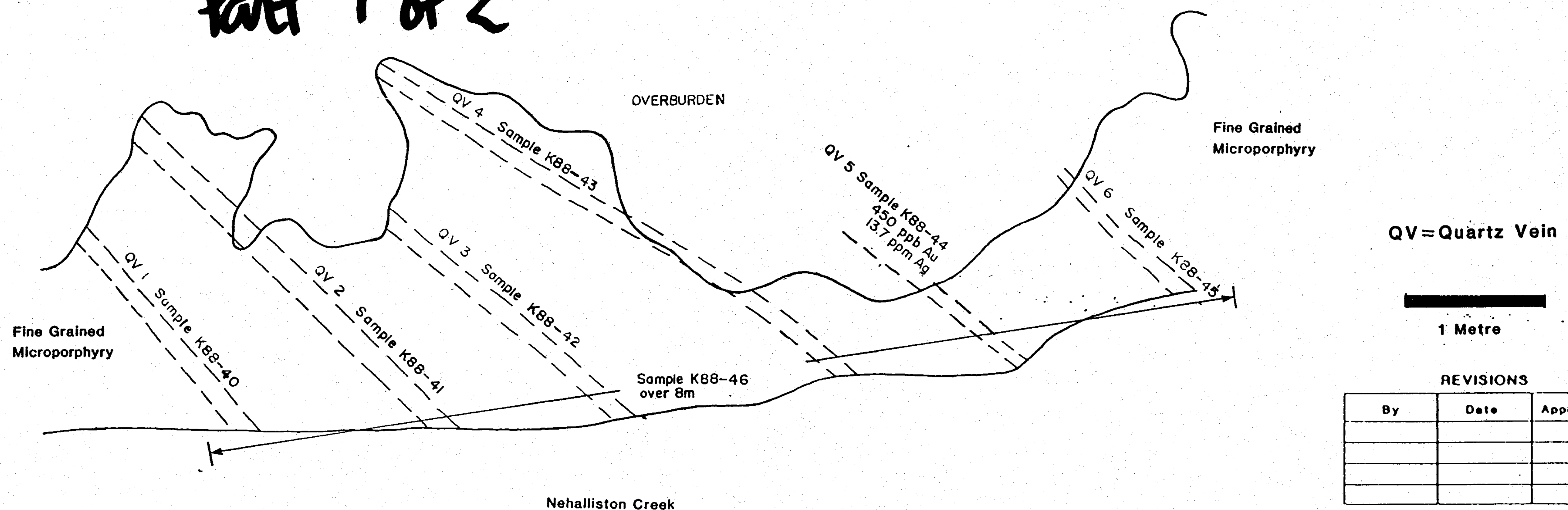
SKETCH MAP

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,597
Part 1 of 2

E

W



REVISIONS

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ESSO MINERALS CANADA

G CLAIMS

SERIES OF QUARTZ VEINS
ON
NEHALLISTON CREEK

To accompany a report by

Project No: 312	Report No:
Mining Div: KAMLOOPS	NTS 92 P/8
Survey By: K.D.	Drafted By: W.F.
Date: DEC./1988	Fig. 5

attitudes. The Nehalliston exposure is probably controlled by a northeast-trending regional structure and was perhaps generated by the emplacement of a lobe of hornblende diorite along a similar northeast-trending structure.

A skarn occurrence is the third type of mineralization (Fig. 3, Area 3). The limestone member within the Nicola sediments and volcanics lies in close proximity to the multiphase intrusion providing a good geological environment for skarn mineralization. Locally, the limestone exposure along Highway 24 varies from semi-massive, pale green limestone on the west to more pyritic and argillaceous limestone towards the east. Thin, reddish stained pyrite-bearing horizons are present in the limestone. The contact between the limestone and volcanics/sediments to the east is transitional over 10m and contains a zone of semi-massive sulphide/garnet. The sulphide/garnet zone consists of a medium-grained crowded porphyry characterized by euhedral garnet and feldspar crystals, and occasional quartz phenocrysts set in a greyish-brown groundmass. Semi-massive (2 to 15%) pyrrhotite-pyrite and minor chalcopyrite and molybdenite occur in the same zone.

8.0 RESULTS

On the "Discovery" showing (Area 1) a total of 34 rock chip samples were taken from the north cut and 46 chip samples were taken from the south cut. The results for Au, Ag, Zn, Cu and As are plotted at a 1:500 scale on Map 3 (Area 1). Previous results had returned values up to 3730 ppb Au over about 4m of uncertain vein/pod orientation and 7390 ppb Au in selected vein material over approximately a 10m area. Values between 100 to 300 ppb Au were found to occur over wide areas.

The 1988 results from the "Discovery" showing failed to improve on the previous sample results. Three samples from the southern outcrop returned greater than 1000 ppb Au. The best result was from a semi-massive pyritic vein-like pod, which contained traces of galena, and returned 3.15 g/t Au and 36.9 g/t Ag over 3.0m. A vein grab sample from the same area returned 3.62 g/t Au and 72.5 g/t Ag. This higher grade section is within a broad low grade mineralized section that averages 946 ppb Au over 14m.

Seven rock chip samples were taken from the series of veins found in Nehalliston Creek (Fig. 3, Area 2). The results were lower than expected with the best value from a grab/chip sample of vein #5 returning 450 ppb Au and 13.7 ppm Ag (Sample K85-44, Fig. 5).

Below the limestone exposure along Highway 24 (Area 3) a series of 40 soil or semi-continuous-soil-grab samples were taken over 5m widths for a distance of 200m. The soil series numbers are CK8-119 to 158. Several samples taken near and across the limestone and garnet horizon are anomalous in Au, B, Ba, As, Fe, Mn, Ag, Zn, Pb, Cu and Mo. Follow-up chip/grab rock samples from across the geochemically anomalous limestone skarn section (RK8-362 to 368, Fig. 3, Appendix I) returned no significant results.

Other rock samples taken from various areas on the property, generally produced no significant results. (All sample locations are plotted on Figure 3 and Map 2.) Two rock samples, RK8-111 and 116, in the vicinity of Area 1 were moderately anomalous. These samples appear to be blast and road float boulders that have sourced from the discovery showing. Sample RK8-111 ran 3,760 ppb Au, 55 ppm Ag and 3055 ppm Pb and sample RK8-116 returned 1195 ppb Au and 14.3 ppm Ag.

Stream Sediment Sampling Program: Results

A total of 13 heavy mineral samples and 25 sediment samples were taken from creeks within and in close proximity to borders of the G Claims. All of the samples are located on Figure 3. Several heavy mineral and stream sediment samples from the upper reaches of Eakin Creek an Nehalliston Creek are anomalous in Au (Table 1).

Table 1

Sample No.	Analytical Value	Location
HG8-13	650 ppb Au	Lower reaches of Nehalliston Creek
SG8-06	1960 ppb Au	Nehalliston Creek in an area of chert/ limestone
HK8-47	970 ppb Au, 1.6 ppm Ag	Latremouille Creek
HK8-50	135 ppb Au	Junction of Emar and Eakin Creek
SK8-55	560 ppb Au	Eakin Creek
SK8-56	860 ppb Au	Eakin Creek

*H - Heavy mineral stream sediment samples
*S - silt sample

These results verify that the plateau in the Latremouille Lake area is broadly anomalous in gold but does not define any specific targets. Further prospecting up Latremouille Creek and Emar Creek is warranted. Sample SG8-06, from Nehalliston Creek, might be sourcing from the strike extension of the limestone/skarn zone sampled in Area 3 and located on Highway 24.

9.0 GEOCHEMICAL PROGRAM

A 600 X 800m soil grid was established to test the area around the "Discovery" showing (Area 1). The overburden, mainly till, ranged from 0 to 4m thick and averaged 1.5 to 2.0m. Results for Au, Ag and Zn are plotted on Maps 4, 5 and 6.

The geochemical results failed to show trends or outline any multi-element highs. A sporadic cluster of weak to moderately anomalous Au values near the "Discovery" road outcrop is the most significant result.

Craven Resources Old Soil Grid

In 1985, Craven Resources conducted a soil survey over the limestone/skarn unit that now lies within the claim boundaries of the G Claims. Specific lines of the old soil grid were reflagged, resampled and extended 200m to the east. The lines included:

Sample series - L23+00NW, 0+50E to 5+00E
- L24+50NW, 0+50E to 5+00E
- L26+00NW, 0+50E to 5+00E
- L30+00NW, 0+50E to 5+00E
- L34+00NW, 0+50E to 5+00E
- L36+00NW, 0+50E to 5+00E

Total number of soil samples taken was 66.

The 1988 geochemical results approximately mirror trends that were delineated in 1985; in some instances they broaden or extend previous anomalies (Maps 7, 8 and 9). Gold values appear to be sporadic, individual highs. The best trends are outlined by silver values. The anomalies generally correspond to the inferred projection of the limestone unit. A well-defined geochemical anomaly that trends 005 degrees is present between lines 8+00NW and 16+00NW on the silver plot (Map 8). The trend and location align well with projections of the shear zones mapped along Highway 24, located to the north, and the access road to Thuya Lake to the south.

10.0 CONCLUSIONS

The 1988 exploration program on the G Claims confirmed the presence of low grade vein gold mineralization in the vicinity of the "Discovery" showing. Previous sample results of 3.73 g/t Au over 4m were matched by the 1988 results. The best sample in the area returned a value of 3.15 g/t Au and 36.9 g/t Ag over 3.0m. The showing is cut by at least three phases of vein mineralization. The third vein set of calcite-quartz-pyrite-chlorite appear to be the youngest and carry the gold values.

Soil samples from the area of the Discovery showing returned spotty Au highs. Other sporadic anomalies are of unknown significance.

A contrasting style of vein mineralization was found northeast of the "Discovery" showing in Nehalliston Creek. Overall the series of six quartz veins have low gold values; the best results of 450 ppb Au and 13.7 ppm Ag are from vein number five. A strong gold anomaly (1960 ppb Au) in a sediment sample SG8-06 may have sourced from this area. The potential for this area appears limited although the character and extent of the vein system along strike is unknown due to lack of outcrop.

Skarn gold mineralization in the Nicola limestone unit is perhaps the best target on the property. Strong multi-element highs are found in the soils over and near the limestone unit. Semi-massive pyrrhotite-pyrite with minor chalcopyrite and molybdenite occur within the limestone horizon.

11.0 REFERENCES

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SCHIARRIZZA, P. (1983): Geology of the Barriere River-Clearwater Area, B.C., Ministry of Energy, Mines and Petroleum Resources; Preliminary Map No. 53.

12.0 STATEMENTS OF QUALIFICATIONS

I, Keenan Dom, of 404 - 1705 West 10th Avenue, Vancouver, B.C., DO HEREBY CERTIFY THAT:

I graduated from the University of British Columbia in 1986 with a Bachelor of Science degree in Geological Sciences;

I have practiced my profession in British Columbia for the past two years as an employee of Esso Minerals Canada;

The work described herein was conducted under my supervision;

I have no financial interest in the property described herein.

DATED THIS 25th DAY OF JANUARY, 1989 AT VANCOUVER, B.C.

Keenan Dom, Project Geologist

APPENDIX I

ANALYTICAL DATA

Sampling and Analytical Methods

Soil samples are denoted by the letter C. Samples were taken from the B-Horizon at a depth of 15 to 35cm using a grub-hoe. A 300 to 400 gram sample was collected in a kraft sample bag, dried and shipped to the lab.

Sediment samples are denoted by the letter S. Sediment was taken from active areas of streams by hand/grab sampling with 300 to 400 grams collected in a kraft sample bag, dried and shipped to the lab.

Heavy mineral sediment samples are denoted by the letter H. Sampling procedure involves the seiving (+10 mesh) of 2 to 3 buckets of coarse sediment from active areas of the stream. The -10 mesh sediment is paned to a 100 to 200 gram concentrate, collected in a kraft sample bag and shipped to the lab.

Rock samples are denoted by the letter R. Both grab and chip sampling methods were used with 1 to 2 kilograms of rock gathered per sample. Samples were collected in four mill plastic bags.

All samples were analyzed at Acme Analytical Laboratories Ltd. in Vancouver by 30 element Induction Coupled Plasma technique (ICP). Sample preparation starts with seiving or crushing. From this a 0.500 gram sample is digested with 3ml of 3-1-2 HCL - HNO_3 - H_2O at 95°C for one hour and diluted to 10ml with water. This is partially leached for Mn, Fe, Sr, Ca, P, La, Cr, Mg, Ba, Ti, B, W, and limited for Ma, K and Al. Au detection limit by ICP is 3 ppm. Au in soil sediment and rock samples was analyzed by leach/AA from a 10 gram sample. Au analysis in the heavy mineral sediment samples was by FA and AA from a 10 gram sample.

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

AUG 08 1988

88.8.8

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1-P4 SOIL P5 ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUL 28 1988 DATE REPORT MAILED: Aug 6/88 ASSAYER. C. Leong ..D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

ESSO MINERALS CANADA LTD. PROJECT 132 File # 88-3088 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
36+00N 0+50E	1	44	15	229	1.2	26	16	630	5.14	78	5	ND	2	24	1	2	2	47	.36	.113	10	17	.44	148	.07	7	2.88	.01	.08	1	32
36+00N 1+00E	2	535	16	112	.9	30	20	482	5.80	47	5	ND	2	21	1	2	2	72	.74	.073	5	34	.65	63	.09	10	2.26	.01	.10	1	43
36+00N 1+50E	1	61	8	154	.6	24	17	733	3.70	18	5	ND	1	23	1	2	2	62	.49	.170	5	26	.68	94	.09	2	2.00	.01	.05	1	44
36+00N 2+00E	2	194	15	133	.4	22	23	819	5.86	72	5	ND	1	20	1	2	2	69	.81	.135	7	29	.94	90	.04	2	2.33	.01	.07	1	136
36+00N 2+50E	1	130	9	61	.5	20	18	344	4.19	31	5	ND	1	25	1	2	2	91	.38	.040	7	32	.97	60	.07	2	2.38	.01	.04	1	1
36+00N 3+00E	1	117	14	73	.4	114	34	551	5.95	10	5	ND	1	25	1	2	2	143	.49	.047	5	177	2.57	54	.16	2	3.50	.01	.07	1	12
36+00N 3+50E	1	18	4	48	.3	11	8	767	1.97	6	5	ND	1	11	1	2	2	48	.19	.073	5	19	.26	56	.08	3	1.16	.01	.03	2	1
36+00N 4+00E	1	50	14	101	.3	26	16	384	3.98	13	5	ND	1	28	1	2	2	72	.30	.155	7	48	.82	76	.09	2	2.50	.01	.06	1	1
36+00N 4+50E	1	60	6	96	.3	31	17	500	4.17	10	5	ND	2	27	1	2	2	84	.44	.091	9	57	1.26	77	.12	3	2.71	.01	.08	1	15
36+00N 5+00E	1	43	9	137	.3	34	17	528	4.05	12	5	ND	2	22	1	2	2	76	.30	.124	7	51	1.12	82	.13	2	2.63	.01	.07	1	6
34+00N 0+50E	1	37	8	101	.3	16	14	510	3.40	10	5	ND	1	22	1	2	2	65	.30	.036	6	21	.61	84	.10	2	2.28	.01	.06	2	25
34+00N 1+00E	2	123	26	181	.4	40	22	751	5.42	28	5	ND	3	31	2	2	2	98	.52	.048	15	71	1.37	92	.11	2	2.77	.01	.11	1	134
34+00N 1+50E	1	45	74	1173	1.4	24	16	529	4.78	25	5	ND	2	20	2	2	2	50	.38	.065	10	28	.78	92	.10	3	3.20	.01	.05	2	28
34+00N 2+00E	1	26	38	334	.6	19	13	1618	3.27	49	5	ND	1	19	1	2	2	36	.65	.050	9	20	.37	100	.07	6	2.14	.01	.07	1	13
34+00N 2+50E	1	39	23	249	.7	16	11	867	2.40	29	5	ND	1	17	2	2	2	30	.46	.205	7	18	.29	92	.07	5	2.16	.02	.06	1	42
34+00N 3+00E	1	18	23	267	.7	11	13	1575	2.94	49	5	ND	3	20	2	2	2	36	.32	1.533	7	15	.17	166	.14	5	4.14	.01	.05	1	2
STD C	19	59	42	133	6.9	69	29	1072	4.18	44	18	8	37	46	18	19	22	57	.46	.099	40	56	.93	170	.06	32	1.95	.06	.13	13	-
34+00N 3+50E	1	53	18	168	.6	21	14	824	3.03	20	5	ND	1	19	1	2	2	48	.34	.146	7	31	.58	77	.08	2	2.21	.01	.05	1	8
34+00N 4+00E	1	54	15	111	.7	28	12	1436	3.04	11	5	ND	1	50	1	2	2	60	.69	.051	11	40	.67	111	.10	2	2.39	.01	.05	1	10
RE 34+00N 2+50E	1	41	23	257	.7	14	11	872	2.42	30	5	ND	1	18	1	2	2	31	.47	.113	7	17	.30	95	.07	4	2.25	.02	.07	1	23
34+00N 4+50E	1	35	11	95	.5	32	14	507	3.44	9	5	ND	2	30	1	2	2	62	.35	.154	7	45	.92	99	.10	7	2.55	.01	.07	1	7
34+00N 5+00E	3	120	12	144	.4	50	24	464	5.82	23	5	ND	2	27	1	4	2	104	.33	.086	7	66	1.43	76	.12	2	3.18	.01	.06	1	192
24+50N 0+50E	1	30	52	535	.2	26	10	512	3.13	21	5	ND	1	22	1	2	2	36	.56	.097	6	21	.45	142	.09	2	3.08	.01	.18	2	1
24+50N 1+00E	1	41	67	1087	.3	22	15	704	4.15	37	5	ND	1	25	1	2	2	57	.50	.042	6	25	.64	122	.08	2	3.42	.01	.08	3	27
24+50N 1+50E	1	71	26	413	.5	26	14	582	4.66	32	5	ND	1	28	2	3	2	69	.45	.051	9	34	1.00	102	.06	2	2.87	.01	.08	2	20
24+50N 2+00E	1	52	14	228	.4	30	16	535	4.33	18	5	ND	1	24	1	2	2	62	.36	.055	6	34	.97	112	.07	2	2.58	.01	.09	1	14
24+50N 2+50E	1	35	13	113	.1	33	13	602	2.89	21	5	ND	1	30	1	2	3	48	.38	.124	4	29	.55	140	.08	2	2.21	.01	.08	1	12
24+50N 3+00E	1	37	9	150	.3	16	13	672	2.49	4	5	ND	1	26	1	2	2	37	.31	.254	5	15	.41	205	.07	2	1.76	.01	.07	1	32
24+50N 3+50E	2	69	12	115	.4	30	16	349	4.41	13	5	ND	2	25	1	3	3	87	.32	.109	7	54	1.15	80	.12	2	2.64	.01	.06	1	10
24+50N 4+00E	1	153	17	182	.7	43	21	566	5.29	23	5	ND	2	32	2	2	2	97	.62	.047	9	63	1.12	113	.12	4	3.33	.01	.08	1	5
24+50N 4+50E	1	44	11	118	.3	31	17	630	4.56	10	5	ND	2	25	1	2	2	94	.33	.090	6	65	1.43	97	.11	3	2.80	.01	.08	1	11
24+50N 5+00E	1	40	8	148	.3	28	18	682	4.35	9	5	ND	1	31	1	2	2	84	.28	.249	5	61	1.20	83	.10	2	2.64	.01	.06	1	8

ESSO MINERALS CANADA LTD. PROJECT 132 FILE # 88-3088

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
30NW 0+50E	1	13	398	777	.5	17	6	979	2.09	13	5	ND	2	8	2	2	2	30	.22	.107	7	26	.37	41	.06	6	2.12	.01	.05	2	5
30NW 1+00E	1	39	26	178	.2	19	11	724	4.17	21	5	ND	2	15	1	2	2	50	.47	.083	8	28	.62	82	.06	2	2.07	.01	.07	1	6
30NW 1+50E	1	47	17	161	.2	12	15	891	5.33	64	5	ND	3	30	1	3	2	63	2.09	.038	22	21	.79	66	.01	2	2.75	.01	.04	1	25
30NW 2+00E	3	82	12	122	.1	22	17	534	5.29	24	5	ND	2	26	1	2	2	135	.36	.045	7	33	1.22	58	.09	2	2.07	.01	.11	1	45
30NW 2+50E	2	56	15	149	.1	25	21	2826	3.91	20	5	ND	1	33	1	2	2	60	.51	.067	8	27	.54	140	.07	2	2.33	.01	.08	1	47
30NW 3+00E	2	50	16	83	.1	27	17	587	3.88	13	5	ND	1	30	1	2	2	70	.43	.066	6	43	.90	61	.11	3	2.32	.01	.07	1	45
30NW 3+50E	1	75	13	81	.4	30	18	462	4.34	8	5	ND	2	37	1	2	2	83	.38	.062	7	49	1.18	64	.12	2	3.14	.01	.05	1	7
30NW 4+00E	1	33	6	114	.2	16	8	448	2.10	8	5	ND	1	42	1	2	3	38	.80	.119	5	20	.43	83	.06	2	1.49	.01	.04	1	2
30NW 4+50E	2	64	6	89	.1	30	14	464	4.86	14	5	ND	2	23	1	2	2	105	.34	.041	8	68	1.63	35	.10	2	2.34	.01	.06	1	13
30NW 5+00E	1	37	13	219	.4	30	13	496	3.26	10	5	ND	2	23	1	2	2	58	.25	.159	5	38	.82	68	.10	4	2.51	.01	.06	1	11
2+600NW 0+50E	1	16	58	420	.4	12	7	675	2.70	13	5	ND	1	14	1	2	2	39	.35	.051	7	18	.43	77	.04	4	1.45	.01	.04	2	1
2+600NW 1+00E	1	67	24	196	.5	24	15	876	4.30	30	5	ND	2	26	1	2	2	56	.56	.067	7	29	.81	115	.08	4	2.79	.01	.07	1	28
2+600NW 1+50E	2	62	18	225	.5	28	14	477	4.22	28	5	ND	2	18	2	2	4	61	.36	.061	6	31	.82	105	.05	5	2.85	.01	.08	1	1
STD C	18	57	36	130	7.0	67	28	1064	4.15	40	19	8	37	45	18	17	18	54	.45	.089	39	53	.91	159	.05	34	1.86	.06	.13	12	-
2+600NW 2+00E	1	34	7	112	.4	20	12	698	3.36	19	5	ND	1	24	1	2	2	47	.47	.149	7	24	.64	81	.06	4	2.38	.01	.08	1	4
2+600NW 2+50E	1	47	13	160	.2	39	16	445	4.17	29	5	ND	2	27	1	2	2	61	.39	.088	6	29	.71	161	.08	2	3.10	.01	.10	1	22
2+600NW 3+00E	1	214	15	163	.4	49	21	367	4.47	22	5	ND	3	29	1	2	2	66	.50	.254	6	43	.73	110	.11	4	3.81	.01	.09	1	8
2+600NW 3+50E	1	156	13	150	.6	30	18	552	4.13	31	5	ND	2	29	1	2	3	65	.37	.219	7	35	.72	101	.11	2	3.45	.01	.06	1	42
2+600NW 4+00E	1	56	18	71	.8	10	8	170	2.91	10	5	ND	1	17	1	2	2	57	.23	.112	4	17	.25	55	.14	4	1.55	.01	.04	1	112
2+600NW 4+50E	1	26	14	175	.4	22	11	533	2.49	10	5	ND	1	14	1	2	4	40	.17	.137	4	23	.39	75	.07	2	2.28	.01	.04	1	1
2+600NW 5+00E	2	46	11	97	.5	21	12	548	3.42	13	5	ND	1	17	1	2	2	63	.20	.108	5	38	.76	64	.07	4	1.91	.01	.04	1	37
2+300NW 0+50E	1	206	24	175	.6	25	20	1550	6.09	92	5	ND	1	30	1	2	2	62	1.51	.050	14	37	1.00	50	.05	5	2.01	.01	.08	1	40
2+300NW 1+00E	1	20	13	287	.3	14	8	1488	2.56	17	5	ND	1	21	2	2	3	38	.42	.087	4	16	.40	90	.05	4	1.57	.01	.10	1	1
2+300NW 1+50E	1	165	22	660	.5	25	15	641	3.54	18	5	ND	2	21	2	2	5	39	.62	.129	8	22	.47	97	.05	5	3.06	.01	.08	1	2
2+300NW 2+00E	1	33	11	255	.2	28	15	517	2.97	25	5	ND	2	27	1	2	3	44	.30	.245	5	19	.47	96	.10	2	2.61	.01	.08	1	2
2+300NW 2+50E	1	40	12	129	.2	29	14	569	3.41	10	5	ND	2	30	1	2	5	56	.37	.172	7	33	.85	75	.05	2	2.44	.01	.07	1	2
2+300NW 3+00E	1	78	12	121	.4	27	16	410	4.07	10	5	ND	3	26	2	2	2	69	.35	.155	9	35	.90	65	.09	5	3.44	.01	.11	1	12
2+300NW 3+50E	1	176	15	1854	.8	60	15	1566	3.37	9	5	ND	2	37	5	2	2	52	.79	.042	15	52	.66	73	.09	6	2.55	.02	.05	3	3
2+300NW 4+00E	2	141	12	125	.8	34	18	647	5.27	12	5	ND	2	38	1	2	5	96	.74	.046	10	70	1.48	89	.11	7	2.72	.01	.07	1	65
STD C/AU-S	17	58	37	132	7.2	68	29	1144	4.19	40	18	8	36	47	17	16	18	56	.48	.089	41	55	.93	163	.07	34	1.94	.06	.14	11	52
2+300NW 4+50E	1	45	10	109	.4	25	14	364	3.87	9	5	ND	3	25	1	2	2	77	.33	.078	6	39	1.08	82	.11	4	2.92	.01	.08	1	38
2+300NW 5+00E	1	58	9	87	.3	29	16	447	4.43	17	5	ND	2	30	1	2	2	97	.36	.048	4	63	1.46	44	.11	3	2.42	.01	.06	1	19
BL 36+00N	1	30	16	157	.6	12	11	730	3.23	12	5	ND	2	23	1	2	2	63	.61	.027	5	16	.76	73	.11	6	2.10	.01	.10	1	85
BL 34+00N	1	38	9	233	.6	18	13	898	3.06	18	5	ND	2	20	1	2	2	55	.44	.078	4	16	.53	121	.08	3	2.16	.01	.05	1	12
BL 3+000N	1	23	64	671	.6	25	10	1846	3.12	22	5	ND	2	18	2	2	2	50	.59	.053	13	21	.46	155	.04	5	2.34	.01	.08	1	10
BL 2+600N	1	13	28	318	.4	10	6	611	2.28	17	5	ND	2	11	1	2	2	33	.33	.069	4	10	.17	72	.05	5	1.13	.01	.07	1	5
LE BL 3+75S	1	17	8	95	.6	16	10	368	2.67	4	5	ND	3	35	1	2	2	43	.36	.084	5	19	.74	109	.10	4	1.84	.02	.12	1	75
BL 2+450N	1	56	27	331	.4	31	20	470	3.88	35	5	ND	2	25	1	2	2	58	.46	.082	6	28	.70	97	.09	7	3.51	.01	.08	1	6
BL 2+300N	1	42	26	225	.4	24	12	686	3.61	29	5	ND	2	24	1	2	2	48	.65	.028	7	28	.62	103	.07	14	2.23	.01	.10	1	61

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

JUN 09 1988

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1-P6 SOIL P7-P8 ROCK AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: MAY 31 1988 DATE REPORT MAILED: June 8/88 ASSAYER. C. Leong .D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

ESSO MINERALS PROJECT-#135 132 File # 88-1685 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
3+00N 3+00W	2	329	4	17	1.7	12	4	257	.86	3	7	ND	1	105	1	2	2	22	5.16	.114	5	22	.20	60	.01	8	.62	.01	.05	2	2
3+00N 2+50W	3	31	10	52	.1	30	18	400	4.84	2	5	ND	1	87	1	2	2	109	.97	.021	6	56	1.49	97	.17	2	2.82	.01	.07	1	10
3+00N 2+00W	19	34	5	9	.4	5	2	237	.27	3	5	ND	1	161	1	2	2	10	5.97	.062	2	3	.11	81	.01	6	.17	.01	.02	1	1
RE 3+00N 1+50E	1	35	8	75	.1	29	16	523	3.40	3	5	ND	1	38	1	2	2	75	.43	.057	6	44	1.11	94	.15	2	1.99	.01	.12	1	37
3+00N 1+50W	1	21	8	87	.6	24	18	246	3.67	8	5	ND	2	34	1	2	3	60	.30	.099	6	20	.68	86	.15	2	2.56	.01	.08	1	112
3+00N 1+00W	1	11	10	56	.4	21	9	250	2.24	2	5	ND	2	24	1	2	2	44	.30	.120	5	23	.40	72	.12	2	1.96	.03	.05	2	6
3+00N 0+50W	1	13	9	67	.3	20	9	618	2.36	2	5	ND	2	23	1	2	2	40	.29	.133	6	20	.45	83	.13	2	2.59	.01	.08	1	3
3+00N 0+50E	1	36	8	82	.1	24	15	411	3.31	2	5	ND	1	29	1	2	3	60	.24	.139	6	28	.88	136	.12	2	2.51	.01	.07	1	21
3+00N 1+00E	1	30	8	73	.2	26	12	485	2.78	4	5	ND	1	36	1	2	3	53	.38	.050	7	26	.80	156	.13	3	2.28	.02	.07	1	7
3+00N 1+50E	1	37	6	75	.1	31	17	548	3.50	3	5	ND	1	39	1	2	2	78	.44	.060	6	47	1.16	98	.15	4	2.06	.01	.13	1	24
3+00N 2+00E	1	19	5	79	.4	14	10	732	2.51	2	5	ND	2	29	1	2	3	55	.30	.069	6	16	.56	125	.12	2	1.64	.01	.08	1	11
3+00N 2+50E	3	35	5	88	.1	10	17	682	4.83	5	5	ND	2	28	1	2	2	114	.52	.219	6	9	1.66	107	.23	6	2.78	.01	.43	1	1
3+00N 3+00E	1	26	6	65	.7	23	16	382	3.33	7	5	ND	2	30	1	2	2	62	.30	.130	7	26	.83	112	.13	4	2.98	.01	.09	1	72
2+50N 0+50E	1	13	10	60	.6	24	11	319	3.04	3	5	ND	3	35	1	2	2	54	.29	.093	7	29	.74	100	.12	2	2.53	.01	.08	1	35
2+50N 1+00E	1	38	7	68	.2	25	16	579	3.67	2	5	ND	2	49	1	2	2	84	.45	.022	7	35	1.31	80	.17	6	2.18	.01	.13	1	67
2+50N 1+50E	1	40	8	106	.2	73	18	464	3.84	6	5	ND	2	38	1	2	2	88	.53	.060	9	193	2.43	93	.16	6	2.65	.01	.11	1	7
2+50N 2+00E	1	51	6	59	.1	18	17	555	4.37	2	5	ND	2	58	1	2	2	93	.50	.084	7	26	1.63	54	.14	9	2.19	.01	.16	1	36
2+50N 2+50E	1	14	9	77	.6	11	12	316	2.72	3	5	ND	3	20	1	2	2	45	.29	.257	4	11	.34	90	.16	2	3.41	.01	.08	1	1
2+50N 3+00E	1	18	8	57	.3	14	14	341	3.28	4	5	ND	3	41	1	2	2	71	.38	.068	8	22	1.03	67	.15	8	2.03	.01	.08	1	23
2+00N 3+00W	1	21	19	155	.2	26	15	612	3.54	8	5	ND	3	29	1	2	2	70	.30	.148	10	44	.88	83	.12	2	2.24	.01	.07	1	3
2+00N 2+50W	2	16	9	69	1.6	14	10	238	3.16	8	5	ND	2	24	1	2	2	54	.29	.142	5	25	.41	65	.14	2	3.47	.02	.05	1	1
2+00N 2+00W	1	12	8	49	.5	12	9	281	2.39	2	5	ND	2	31	1	2	2	52	.26	.030	6	18	.48	70	.12	2	1.61	.01	.05	1	39
2+00N 1+50W	1	14	9	100	.6	24	13	336	2.87	3	5	ND	2	32	1	2	2	51	.30	.106	7	24	.72	103	.12	3	2.12	.01	.09	1	17
2+00N 1+00W	1	11	8	48	.1	29	10	279	2.53	3	5	ND	3	44	1	2	2	54	.35	.030	7	34	.90	82	.14	6	1.61	.01	.09	1	45
2+00N 0+50W	1	18	12	58	.2	17	11	544	2.72	2	5	ND	2	52	1	2	2	54	.42	.093	8	23	.92	85	.12	6	1.57	.01	.11	1	21
2+00N 0+50E	1	33	8	82	.4	32	14	489	3.43	4	5	ND	3	43	1	2	2	61	.37	.071	9	40	1.09	154	.13	2	2.59	.01	.08	1	42
2+00N 1+00E	1	75	9	151	.8	27	16	601	3.86	5	5	ND	3	54	1	2	2	75	.72	.076	9	37	1.39	108	.15	5	2.69	.01	.16	1	410
1+50N 3+00W	2	21	14	130	.7	28	12	308	4.35	5	5	ND	4	36	1	2	2	106	.43	.039	13	51	1.14	87	.22	4	2.41	.01	.09	1	2
1+50N 2+50W	2	28	11	114	.5	36	16	383	3.88	9	5	ND	4	29	1	3	3	72	.29	.130	12	51	1.07	85	.13	2	2.53	.01	.10	2	11
1+50N 2+00W	1	23	10	111	.9	21	14	339	3.47	5	5	ND	3	34	1	2	3	61	.33	.166	7	28	.80	93	.12	2	2.72	.01	.07	1	13
1+50N 1+50W	1	13	9	40	.2	15	8	303	2.32	2	5	ND	3	39	1	2	2	46	.31	.041	8	19	.54	72	.11	3	1.30	.03	.06	3	21
STD C	21	60	41	131	7.8	73	32	1140	4.07	43	26	8	41	53	20	20	23	61	.49	.096	40	60	.98	174	.08	38	1.88	.05	.15	13	-
1+50N 1+00W	1	44	6	62	.2	25	14	489	2.99	2	5	ND	3	42	1	2	2	54	.34	.063	8	32	1.02	93	.13	3	1.91	.01	.09	1	26
1+50N 0+50W	1	23	4	55	.3	20	13	395	3.05	2	5	ND	2	54	1	2	2	51	.34	.027	7	26	.88	95	.12	4	2.14	.02	.13	1	22
1+50N 1+00E	2	160	10	71	.2	43	22	1086	5.21	8	5	ND	4	82	1	2	2	105	.74	.083	16	55	2.13	107	.16	5	2.44	.01	.29	1	91
1+50N 1+50E	1	32	13	97	.3	16	12	486	3.13	5	6	ND	4	29	1	2	2	52	.30	.376	7	23	.57	108	.14	4	2.32	.01	.09	1	54
1+50N 2+00E	1	25	8	62	.4	17	13	387	3.45	5	5	ND	3	61	1	2	2	66	.31	.153	7	27	1.11	86	.11	6	1.84	.01	.09	1	16
1+50N 2+50E	1	13	7	85	.3	16	11	873	2.53	2	5	ND	3	39	1	2	2	47	.52	.188	5	25	.62	105	.11	5	1.63	.01	.16	1	4
STD C/AU-S	20	62	39	132	7.4	72	31	1123	4.04	40	22	8	40	52	20	16	21	61	.49	.095	40	59	.97	183	.08	32	1.85	.08	.14	13	53

ESSO MINERALS PROJECT-#135 FILE # 88-1685

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
1+50N 3+00E	1	12	6	52	.4	10	16	508	3.17	4	5	ND	3	29	1	2	4	55	.28	.212	6	18	.43	82	.14	4	1.97	.01	.07	1	1
1+00N 3+00W	1	34	10	105	.5	30	15	406	3.57	2	5	ND	4	32	1	2	2	70	.31	.092	10	49	1.15	76	.14	6	2.35	.01	.07	1	4
1+00N 2+50W	1	13	13	166	.1	27	8	257	2.47	5	5	ND	4	14	1	2	3	34	.16	.213	13	25	.35	149	.09	5	2.48	.01	.08	1	4
1+00N 2+00W	1	13	14	171	.3	30	8	563	2.40	17	5	ND	4	17	1	2	2	34	.28	.174	14	24	.37	174	.10	6	2.49	.01	.09	1	1
1+00N 1+50W	1	25	10	47	.1	17	12	354	3.19	2	5	ND	3	63	1	2	4	65	.43	.016	7	23	1.06	89	.18	6	1.82	.01	.13	2	37
1+00N 1+00W	1	30	9	62	.2	24	14	393	3.33	2	5	ND	4	61	1	2	2	63	.46	.038	9	32	1.31	101	.16	6	1.90	.01	.13	1	1
1+00N 0+75W	1	42	8	61	.1	18	14	471	3.54	2	5	ND	3	53	1	2	2	70	.48	.058	7	28	1.29	78	.15	10	1.86	.01	.10	2	2
1+00N 0+50W	1	73	13	63	1.4	23	18	590	4.17	3	5	ND	3	44	1	2	2	83	.46	.053	6	32	1.33	137	.17	6	2.76	.01	.18	1	215
1+00N 0+25W	1	16	12	61	.6	9	7	152	2.98	5	5	ND	3	24	1	2	3	34	.19	.741	4	15	.23	149	.12	2	2.78	.01	.06	1	1
1+00N 0+75E	1	99	6	117	1.4	30	17	343	3.18	6	5	ND	3	44	1	2	2	47	.40	.105	9	32	.78	98	.12	3	2.42	.01	.08	1	1
1+00N 1+00E	1	14	6	55	.5	16	7	184	2.52	2	5	ND	5	17	1	2	2	38	.20	.438	4	32	.31	68	.15	3	2.82	.01	.08	1	3
1+00N 1+50E	1	31	5	164	.3	24	15	435	2.98	2	5	ND	3	22	1	2	2	54	.34	.278	6	25	.56	109	.12	6	2.50	.01	.07	1	1
1+00N 2+00E	1	16	7	82	2.6	14	13	662	3.02	2	5	2	2	28	1	2	2	54	.34	.070	6	17	.70	83	.11	5	1.68	.01	.09	1	250
1+00N 2+50E	1	20	4	73	.3	16	14	430	3.04	2	5	ND	3	43	1	2	2	57	.46	.125	6	20	.83	92	.12	6	2.05	.01	.11	1	8
1+00N 3+00E	1	18	8	100	.3	17	13	388	3.23	2	5	ND	3	39	1	2	2	56	.38	.178	7	27	.68	94	.11	7	2.23	.03	.07	1	2
0+75N 1+00W	1	35	11	48	.3	17	13	394	3.72	2	5	ND	3	56	1	2	3	79	.55	.053	7	27	1.39	55	.15	17	2.01	.01	.08	1	29
0+75N 0+75W	1	32	8	74	.3	21	14	393	3.03	2	5	ND	3	42	1	2	2	53	.44	.068	7	24	.91	143	.14	5	2.51	.03	.08	1	46
0+75N 0+50W	1	69	10	62	.3	24	19	485	4.54	5	5	ND	4	49	1	2	4	94	.53	.089	7	38	1.57	77	.15	6	2.44	.01	.14	1	78
0+75N 0+25W	1	95	11	81	.7	22	18	1027	3.94	4	5	ND	2	69	1	2	2	77	1.33	.123	8	32	1.49	107	.13	8	2.10	.03	.19	1	80
0+75N 0+25E	1	101	10	79	.5	26	17	729	3.96	2	5	ND	4	56	1	2	3	74	.77	.129	9	38	1.38	100	.13	4	2.20	.02	.14	1	48
0+75N 0+50E	1	9	9	47	.5	6	4	497	1.22	5	5	ND	2	15	1	2	2	24	.19	.109	4	9	.16	69	.08	7	.73	.03	.06	4	1
STD C	19	61	38	128	7.1	71	30	1032	3.90	39	21	7	40	51	18	17	20	58	.48	.087	40	60	.94	164	.07	38	1.77	.05	.13	13	-
0+75N 0+75E	1	10	11	89	.7	12	8	779	1.85	3	5	ND	3	25	1	2	2	26	.25	.223	5	15	.25	111	.10	5	1.73	.03	.06	1	1
0+75N 1+00E	1	34	9	79	.5	26	14	516	3.44	3	5	ND	3	50	1	2	2	71	.47	.081	8	34	1.27	72	.13	2	1.92	.01	.10	1	35
0+50N 3+00W	1	17	3	122	.5	20	16	306	3.24	2	5	ND	3	32	1	2	2	64	.31	.148	7	26	.74	82	.13	6	2.17	.02	.08	1	1
0+50N 2+50W	2	81	9	85	.4	30	16	470	4.06	3	5	ND	3	53	1	2	2	89	.54	.034	10	47	1.44	74	.16	3	2.37	.01	.10	1	13
0+50N 2+00W	1	37	6	107	.4	31	19	568	4.69	5	5	ND	4	61	1	2	2	98	.58	.074	12	49	1.99	92	.18	8	2.91	.01	.14	1	7
0+50N 1+00W	1	65	9	55	.9	22	20	618	4.79	2	5	ND	4	69	1	2	2	76	.69	.018	9	34	1.44	96	.17	3	2.81	.01	.15	1	33
RE 0+75N 1+00E	1	34	6	78	.5	25	14	522	3.41	5	5	ND	3	49	1	2	3	71	.47	.080	8	35	1.24	71	.13	2	1.88	.03	.11	1	38
0+50N 0+75W	1	16	6	51	.4	16	8	257	1.81	2	5	ND	2	22	1	2	2	29	.27	.036	5	11	.39	109	.11	4	2.06	.03	.08	1	20
0+50N 0+50W	1	78	6	101	.4	26	17	419	3.18	5	5	ND	3	38	1	2	4	56	.41	.080	6	24	.95	102	.14	3	2.37	.02	.13	2	9
0+50N 0+25E	1	18	8	79	.5	12	9	307	2.02	5	5	ND	2	15	1	2	2	35	.15	.130	5	14	.33	60	.09	2	1.44	.03	.06	1	1
0+50N 0+50E	1	17	7	48	1.1	17	10	249	2.73	2	5	ND	3	29	1	2	2	42	.25	.157	5	19	.52	92	.13	2	3.06	.01	.06	1	5
0+50N 0+75E	1	17	7	68	.4	12	10	535	2.16	4	5	ND	3	27	1	2	2	38	.22	.195	5	17	.37	98	.10	3	1.88	.04	.05	2	24
0+50N 1+00E	1	18	9	79	.6	19	10	302	2.18	2	5	ND	3	24	1	2	2	35	.21	.118	6	19	.42	93	.11	2	2.07	.03	.07	1	6
0+50N 1+50E	1	28	9	68	.4	18	13	485	3.08	4	5	ND	4	37	1	3	2	58	.36	.116	7	28	.79	87	.10	2	1.99	.03	.08	2	7
0+50N 2+00E	1	27	11	96	.3	18	14	606	3.12	5	5	ND	3	32	1	2	2	54	.40	.132	8	19	.72	132	.12	2	2.64	.02	.09	1	46
0+50N 2+50E	1	14	9	56	.2	10	10	705	2.49	5	5	ND	3	32	1	2	2	44	.33	.183	6	16	.44	121	.10	2	1.51	.02	.06	1	23
STD C/AU-S	20	63	39	132	7.1	72	31	1076	4.02	42	17	7	40	53	19	17	22	60	.49	.090	39	61	.97	181	.07	35	1.85	.07	.14	14	47

ESSO MINERALS PROJECT-#135 FILE # 88-1685

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
0+50N 3+00E	1	32	3	59	.3	17	17	441	3.59	5	5	ND	5	42	1	2	2	81	.40	.082	9	27	1.00	81	.14	8	2.05	.06	.10	2	56
0+25N 1+00W	1	46	7	67	.1	23	20	536	4.33	2	5	ND	4	56	1	2	2	95	.53	.021	8	34	1.53	88	.21	5	2.53	.06	.27	1	112
0+25N 0+75W	1	45	5	138	.3	23	18	375	2.61	5	5	ND	2	28	1	2	2	50	.33	.126	5	16	.63	121	.11	7	2.05	.05	.12	1	11
0+25N 0+25E	1	9	7	73	.5	8	9	1916	1.83	4	5	ND	2	18	1	2	2	39	.22	.162	4	17	.15	100	.09	5	1.10	.02	.07	1	2
0+25N 0+50E	1	20	9	67	.4	19	13	400	2.84	3	5	ND	3	34	1	2	2	59	.28	.107	6	24	.68	99	.13	2	2.22	.02	.10	1	14
0+25N 0+75E	1	10	7	66	.2	17	10	323	2.33	2	5	ND	3	31	1	2	2	49	.26	.112	6	23	.56	96	.11	7	1.71	.01	.08	1	16
0+25N 1+00E	1	25	6	77	.1	19	14	723	3.01	2	5	ND	3	35	1	2	2	63	.35	.225	6	28	.80	151	.11	7	2.37	.03	.10	1	35
BL 3+00N	1	13	6	70	.1	17	10	1296	2.08	2	5	ND	2	31	1	2	2	48	.25	.068	5	25	.52	146	.10	5	1.77	.01	.08	1	12
BL 2+75N	1	52	5	79	.2	27	15	403	3.30	3	5	ND	4	58	1	2	2	75	.38	.054	8	50	1.27	88	.13	7	2.29	.03	.11	1	40
BL 2+50N	1	20	9	80	.3	25	17	358	3.67	8	5	ND	4	37	1	2	2	74	.29	.039	9	34	.92	102	.15	5	2.66	.01	.09	1	2
BL 2+25N	1	16	8	95	.6	18	12	310	3.04	6	5	ND	4	23	1	2	2	55	.23	.237	6	26	.48	111	.14	5	2.93	.02	.07	1	121
BL 2+00N	1	10	8	80	.9	11	8	241	2.04	2	5	ND	3	21	1	2	2	46	.19	.114	6	18	.33	86	.12	10	1.55	.03	.08	1	20
BL 1+75N	1	19	6	90	.2	26	12	719	2.90	5	5	ND	3	38	1	2	2	64	.33	.057	10	37	.92	89	.12	8	1.90	.01	.08	1	43
BL 1+50N	1	18	3	89	.5	24	12	437	2.98	5	5	ND	4	41	1	2	2	64	.34	.062	9	34	.94	84	.13	6	2.08	.03	.09	1	32
BL 1+25N	1	17	5	68	.1	23	12	320	2.83	10	5	ND	4	44	1	2	2	62	.37	.033	10	33	1.00	59	.14	7	1.62	.01	.10	1	9
BL 1+00N	1	27	9	91	.7	15	12	1177	2.61	2	5	ND	3	39	1	2	2	54	.50	.157	6	22	.70	114	.10	7	1.86	.02	.13	1	33
BL 0+25N	2	106	5	85	1.6	26	23	1152	4.74	14	5	ND	3	57	1	2	2	104	.87	.125	10	39	1.67	105	.15	8	2.48	.03	.19	1	208
BL 00	1	27	8	152	.9	20	15	548	2.78	5	5	ND	3	35	1	2	2	56	.38	.100	7	23	.75	116	.13	8	2.20	.01	.10	1	9
BL 0+25S	1	19	4	65	.6	15	11	366	2.29	2	5	ND	2	31	1	2	2	48	.29	.042	6	17	.55	95	.13	6	1.96	.01	.09	1	49
BL 0+50S	1	37	9	127	.8	26	17	439	3.35	2	5	ND	4	34	1	3	2	72	.41	.256	7	29	.86	107	.14	5	3.07	.01	.11	1	31
STD C	21	62	39	142	7.8	68	30	1163	4.15	42	23	8	40	53	19	20	22	63	.50	.096	41	59	.97	193	.08	39	1.94	.08	.14	15	-
BL 0+75S	1	19	16	100	1.2	18	12	475	2.32	3	5	ND	4	18	1	2	2	41	.20	.173	5	16	.42	78	.13	6	2.82	.01	.08	1	35
BL 1+00S	1	23	9	105	.7	19	14	540	2.95	2	5	ND	3	29	1	2	2	58	.37	.335	5	22	.57	130	.13	7	2.60	.01	.10	1	7
BL 1+50S	1	20	3	84	1.1	18	19	501	3.12	4	5	ND	3	33	1	2	2	66	.34	.097	6	23	.78	101	.13	4	2.59	.02	.11	1	2
BL 2+00S	1	8	8	45	1.2	8	7	476	2.02	7	5	ND	2	31	1	2	2	39	.47	.280	4	10	.14	88	.13	6	2.83	.04	.06	1	1
BL 2+50S	1	30	5	94	.8	24	17	368	3.50	5	5	ND	2	31	1	2	2	73	.35	.102	5	23	.92	108	.16	6	2.62	.02	.13	1	24
BL 3+00S	1	7	9	55	1.0	12	8	271	1.92	7	5	ND	4	43	1	2	3	33	.38	.413	3	10	.17	208	.14	7	1.97	.03	.07	1	1
0+00 3+00W	1	36	6	200	.5	28	24	505	3.70	6	5	ND	3	34	1	2	2	78	.39	.214	8	30	.95	120	.15	6	2.65	.01	.11	1	1
0+00 2+50W	1	46	5	78	.5	23	19	548	4.86	7	5	ND	4	57	1	2	2	130	.50	.091	8	37	1.74	90	.18	11	2.80	.03	.20	1	69
0+00 2+00W	2	95	11	125	1.0	38	20	497	3.89	7	5	ND	4	38	1	2	2	85	.36	.098	9	45	1.09	148	.15	4	3.22	.01	.12	1	7
0+00 1+50W	1	34	12	90	.2	24	15	608	3.78	8	5	ND	4	48	1	2	3	94	.43	.060	10	42	1.43	124	.16	5	2.18	.02	.10	1	36
0+00 1+00W	1	26	7	115	.2	30	28	432	3.76	5	5	ND	3	39	1	2	2	61	.33	.173	7	28	1.03	161	.12	6	2.75	.01	.12	1	52
0+00 0+75W	2	117	6	73	1.9	29	22	871	5.45	7	5	ND	5	67	1	3	2	138	.75	.059	13	48	2.33	76	.22	7	2.63	.01	.40	1	360
0+00 0+25E	1	19	5	68	.7	19	11	327	2.80	3	5	ND	3	29	1	2	2	58	.26	.059	7	23	.82	72	.12	6	2.06	.01	.08	1	72
RE 0+00 2+00W	2	97	11	121	.9	37	20	492	3.89	7	5	ND	3	38	1	2	2	86	.36	.094	10	45	1.09	148	.15	6	3.29	.02	.12	1	9
0+00 0+50E	1	29	8	80	.8	23	16	584	3.45	5	5	ND	4	45	1	2	2	77	.36	.100	8	37	1.26	96	.14	8	2.17	.02	.13	1	66
0+00 0+75E	4	22	8	49	.7	23	14	376	3.81	9	5	ND	4	45	1	2	2	58	.27	.046	9	27	1.18	134	.06	6	1.80	.02	.09	1	405
0+00 1+00E	2	45	9	72	.9	26	17	585	3.81	7	5	ND	2	56	1	2	2	84	.43	.053	8	34	1.12	164	.12	5	2.75	.01	.11	1	345
STD C/AU-S	20	60	41	133	7.8	69	32	1141	4.01	45	17	8	40	51	19	17	23	62	.49	.096	40	60	.96	185	.08	34	1.85	.08	.15	13	51

ESSO MINERALS PROJECT-#13 FILE # 88-1685

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
0+00 1+50E	1	21	6	80	.3	22	10	412	2.88	2	5	ND	3	29	1	3	2	49	.27	.189	7	22	.66	173	.12	3	2.64	.02	.08	1	55
0+00 2+00E	1	28	6	79	.4	24	13	524	3.36	2	5	ND	2	37	1	2	2	65	.35	.123	8	23	.97	173	.13	4	2.69	.02	.09	1	25
0+00 2+50E	1	27	5	68	.1	19	15	459	3.90	2	5	ND	2	40	1	2	2	74	.39	.102	7	23	1.15	145	.12	5	2.57	.03	.08	1	56
0+00 3+00E	1	12	6	61	.1	16	11	591	2.68	2	5	ND	2	31	1	2	2	46	.37	.096	8	19	.57	109	.12	5	2.53	.01	.08	1	41
0+25S 1+00W	2	37	14	79	.3	37	16	504	4.08	11	5	ND	3	43	1	2	2	90	.43	.031	12	55	1.65	96	.16	6	2.54	.03	.09	1	19
0+25S 0+75W	1	27	8	93	.3	30	14	384	4.08	2	5	ND	3	35	1	2	2	77	.33	.188	9	46	1.18	105	.12	5	2.72	.01	.08	1	22
0+25S 0+25W	5	105	11	67	2.1	20	24	1437	5.17	13	5	ND	1	127	1	2	2	97	5.91	.126	8	28	2.10	113	.14	7	2.23	.02	.27	1	330
0+25S 0+25E	1	21	10	123	.8	27	14	384	3.61	2	5	ND	3	34	1	2	2	61	.45	.237	8	31	.76	130	.13	5	3.07	.03	.09	1	44
0+25S 0+50E	1	33	6	61	.1	25	15	505	4.10	2	5	ND	3	57	1	2	3	92	.44	.034	9	29	1.61	86	.21	6	2.17	.02	.24	1	216
0+25S 0+75E	1	14	3	62	.4	23	12	403	2.94	2	5	ND	2	48	1	2	2	55	.48	.035	8	25	.92	91	.14	7	2.06	.01	.13	1	36
0+25S 1+00E	1	24	4	74	.2	20	14	648	3.21	2	5	ND	2	30	1	2	2	60	.39	.133	6	18	1.00	121	.14	7	2.62	.01	.12	1	43
0+25S 1+50E	1	5	3	36	.1	10	5	458	1.55	2	5	ND	1	12	1	2	2	43	.13	.032	3	8	.17	69	.09	5	.59	.05	.04	1	23
0+25S 2+00E	1	28	6	82	.3	23	11	477	2.49	2	5	ND	2	25	1	2	2	44	.23	.121	5	15	.61	116	.10	4	2.12	.01	.08	1	5
0+25S 2+50E	1	18	6	64	.1	14	9	335	2.14	2	5	ND	2	20	1	2	2	33	.25	.210	4	11	.29	94	.12	4	2.66	.01	.05	1	7
0+25S 3+00E	1	10	9	56	.2	12	6	237	2.40	2	5	ND	3	40	1	2	2	32	.48	.665	4	13	.27	129	.13	4	3.48	.04	.07	2	28
RE 0+50S 0+50E	1	24	8	94	.7	25	14	584	3.02	2	5	ND	2	36	1	2	2	57	.33	.186	6	21	.73	96	.12	4	2.45	.02	.13	1	24
0+50S 2+00W	1	2	2	19	.1	5	3	112	1.08	2	5	ND	2	9	1	2	2	39	.12	.031	2	6	.13	26	.11	7	.33	.02	.06	1	4
0+50S 1+50W	1	17	10	166	.7	31	13	988	2.95	2	5	ND	4	19	1	2	2	46	.17	.411	7	29	.50	128	.13	4	3.49	.02	.06	1	5
0+50S 0+50W	1	37	4	56	.1	21	12	462	3.53	2	5	ND	3	59	1	2	2	71	.53	.049	9	31	1.40	52	.16	6	1.81	.03	.18	1	39
0+50S 0+25W	1	19	6	97	.3	21	13	423	3.14	2	5	ND	2	32	1	2	2	56	.36	.162	6	23	.88	86	.12	4	2.27	.01	.09	1	37
0+50S 0+25E	1	24	12	60	1.4	10	11	650	2.60	11	5	ND	4	23	1	2	2	33	.32	.536	6	14	.22	130	.15	3	3.28	.01	.05	1	28
0+50S 0+50E	1	24	10	94	.7	24	14	584	3.01	4	5	ND	2	35	1	2	2	56	.33	.190	6	21	.73	95	.12	4	2.48	.03	.11	2	32
0+50S 0+75E	1	17	5	70	.9	23	12	324	2.72	2	5	ND	3	34	1	2	2	44	.35	.144	6	19	.61	110	.12	5	2.59	.02	.11	1	48
0+50S 1+00E	1	17	6	66	.6	24	12	286	2.95	2	5	ND	1	31	1	2	2	50	.31	.072	5	21	.69	122	.13	4	2.77	.01	.07	1	25
0+50S 1+50E	1	22	5	77	.2	19	11	392	2.69	4	5	ND	2	27	1	2	2	54	.27	.051	5	18	.59	124	.15	3	2.35	.03	.08	1	13
0+50S 2+00E	1	73	7	89	1.7	24	17	515	4.45	5	5	ND	3	35	1	2	2	91	.36	.097	8	26	1.37	95	.14	5	2.74	.01	.12	1	70
0+50S 2+50E	1	47	5	78	.3	22	13	465	3.33	3	5	ND	3	26	1	2	4	58	.24	.178	7	21	.83	185	.13	5	3.31	.02	.09	1	102
0+50S 3+00E	1	12	8	80	.2	15	9	465	2.34	2	5	ND	3	43	1	3	2	33	.43	.344	6	14	.34	133	.12	3	3.22	.02	.07	1	12
0+75S 0+25W	1	15	6	88	.2	13	12	449	2.81	2	5	ND	1	33	1	2	2	55	.45	.176	4	15	.71	85	.12	4	2.11	.02	.09	1	16
0+75S 0+25E	1	35	2	76	.4	25	13	414	3.54	2	5	ND	3	39	1	2	2	70	.36	.046	7	32	1.27	45	.14	7	1.97	.01	.11	1	92
0+75S 0+50E	1	12	10	62	.8	13	7	428	2.00	2	5	ND	3	29	1	2	2	33	.39	.367	4	10	.33	106	.12	3	2.64	.05	.08	1	6
0+75S 0+75E	1	21	8	92	1.3	22	11	270	2.63	4	5	ND	2	32	1	2	2	43	.32	.150	5	21	.58	97	.11	4	2.28	.01	.08	1	27
0+75S 1+00E	1	18	4	65	.3	18	12	604	2.76	3	5	ND	2	34	1	2	2	56	.40	.059	7	23	.76	93	.12	5	1.76	.01	.10	1	21
STD C	20	61	40	128	7.5	72	31	1099	3.94	43	23	8	40	48	20	21	24	60	.47	.091	42	57	.93	165	.07	35	1.78	.06	.13	14	-
1+00S 3+00W	1	42	3	64	.1	19	16	581	4.50	2	5	ND	2	53	1	2	2	102	.52	.100	7	28	1.61	61	.16	5	2.13	.01	.12	1	45
1+00S 2+50W	1	25	2	61	.5	19	17	425	4.15	2	5	ND	3	50	1	2	2	98	.43	.063	6	25	1.45	70	.17	5	2.20	.01	.12	1	25
1+00S 2+00W	1	13	5	68	.3	13	10	440	2.32	2	5	ND	3	23	1	3	2	50	.23	.097	5	21	.39	73	.12	4	1.80	.02	.07	1	5
1+00S 1+50W	1	14	8	103	.8	11	13	780	2.14	3	5	ND	3	20	1	2	2	33	.24	.307	6	15	.21	103	.11	5	1.98	.04	.06	1	3
STD C/AU-S	20	63	42	132	7.4	73	31	1113	4.02	45	18	8	40	50	20	17	19	61	.49	.093	40	58	.95	182	.08	36	1.84	.07	.13	13	51

ESSO MINERALS PROJECT-#13… FILE # 88-1685

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
1+00S 0+50W	1	21	10	139	.8	24	11	550	2.42	22	5	ND	4	27	1	2	2	40	.59	.166	11	26	.66	126	.11	7	2.89	.01	.13	1	1
1+00S 0+25W	1	29	8	109	.7	29	13	432	2.54	5	5	ND	3	29	1	2	2	50	.31	.078	9	28	.75	132	.12	6	2.27	.01	.09	1	2
1+00S 0+25E	1	27	10	77	1.0	19	14	273	2.69	4	7	ND	2	30	1	2	2	47	.38	.126	5	17	.48	76	.12	7	2.53	.03	.10	1	63
1+00S 0+50E	1	18	7	80	1.4	21	11	355	2.56	7	5	ND	2	32	1	2	2	42	.34	.113	5	20	.54	77	.11	5	2.62	.01	.09	1	4
1+00S 0+75E	1	21	9	83	1.3	21	12	375	3.23	7	5	ND	1	39	1	2	2	60	.41	.135	7	28	.62	109	.12	6	2.46	.02	.10	1	17
1+00S 1+00E	1	19	7	69	.7	23	11	482	2.47	7	5	ND	2	44	1	2	2	47	.41	.083	8	28	.74	153	.10	7	2.00	.01	.08	1	28
1+00S 1+50E	1	22	9	76	.7	22	10	397	2.55	10	5	ND	3	30	1	2	2	44	.36	.197	5	21	.45	167	.13	3	3.64	.02	.06	1	3
1+00S 2+00E	1	12	8	74	.4	17	7	1180	1.73	2	5	ND	2	30	1	2	3	27	.30	.263	5	13	.27	223	.10	7	2.10	.05	.06	1	4
1+00S 2+50E	1	26	11	112	.4	19	11	551	2.51	6	5	ND	3	38	1	2	2	40	.34	.474	6	17	.55	318	.12	5	2.98	.01	.07	1	2
1+50S 3+00W	1	20	12	45	.3	12	10	203	2.67	7	5	ND	2	37	1	2	2	65	.33	.066	6	18	.57	74	.17	7	2.09	.01	.05	1	1
1+50S 2+50W	1	6	9	35	.6	9	7	244	1.55	2	7	ND	2	18	1	2	2	38	.21	.058	4	9	.14	52	.10	7	.97	.02	.05	2	67
1+50S 1+00W	1	35	13	80	.5	32	15	572	3.39	10	6	ND	3	38	1	2	2	77	.41	.071	11	47	1.18	79	.12	7	2.02	.04	.12	1	10
1+50S 0+50W	1	24	15	113	.4	33	17	546	3.51	7	5	ND	2	39	1	2	2	75	.45	.123	8	42	1.11	120	.12	6	2.47	.01	.10	1	64
1+50S 0+50E	1	55	9	70	1.2	22	11	720	2.32	9	5	ND	1	52	1	2	2	41	.86	.081	10	21	.39	116	.10	7	2.17	.02	.09	1	1
1+50S 1+00E	1	15	8	60	.8	14	9	368	2.33	10	5	ND	2	27	1	2	2	30	.38	.380	5	16	.26	115	.12	5	3.35	.01	.09	1	20
1+50S 1+50E	1	18	7	196	.7	24	11	580	2.42	5	5	ND	3	35	1	2	2	42	.32	.240	8	27	.59	181	.10	5	2.43	.01	.08	1	50
1+50S 2+00E	1	4	5	51	.1	5	3	150	.91	3	5	ND	2	8	1	2	2	25	.08	.043	3	7	.08	30	.07	6	.42	.01	.04	1	4
2+00S 1+00W	1	11	8	41	1.2	9	10	223	1.86	4	5	ND	1	14	1	2	2	36	.15	.033	4	12	.11	61	.11	5	2.24	.03	.04	2	3
2+00S 0+50W	1	22	10	90	.4	27	15	508	2.79	5	5	ND	2	35	1	2	2	55	.39	.111	7	27	.86	105	.12	8	2.16	.01	.16	1	18
2+00S 0+50E	1	43	10	123	.7	29	17	432	4.08	6	5	ND	3	42	1	3	2	85	.40	.088	10	42	1.21	89	.15	6	2.70	.03	.10	1	34
2+00S 1+00E	1	15	8	97	.6	18	12	412	2.50	2	5	ND	2	31	1	2	2	47	.25	.145	7	23	.61	94	.11	7	2.16	.02	.08	1	13
2+00S 1+50E	1	12	7	66	.7	15	8	269	1.95	6	5	ND	3	25	1	3	2	32	.27	.180	6	16	.24	102	.12	5	2.75	.01	.06	1	1
2+00S 2+00E	1	31	5	86	.6	20	12	632	2.25	2	5	ND	3	33	1	2	3	45	.32	.104	5	19	.57	119	.10	7	1.75	.03	.08	1	181
2+00S 2+50E	1	10	5	83	.6	9	6	470	1.69	8	5	ND	3	17	1	2	2	24	.18	.351	5	10	.17	107	.11	5	2.74	.02	.05	1	3
RE 2+00S 0+50E	1	43	9	121	.8	28	16	426	4.04	7	5	ND	3	42	1	2	3	84	.40	.088	10	43	1.18	88	.15	5	2.68	.02	.08	1	38
2+00S 3+00E	1	8	4	72	.3	6	6	849	1.64	5	5	ND	2	16	1	2	2	26	.13	.334	4	10	.13	126	.11	5	2.26	.02	.04	1	1
STD C	20	64	40	139	7.6	73	33	1111	3.76	42	21	8	40	55	18	19	21	61	.50	.092	40	60	.89	187	.08	39	1.93	.06	.15	15	-
2+50S 3+00W	1	36	9	69	.3	21	18	430	3.32	7	5	ND	4	47	1	2	2	72	.46	.081	8	28	1.08	100	.14	7	2.34	.02	.09	1	63
2+50S 2+50W	1	25	6	78	.6	18	15	456	3.08	3	5	ND	3	40	1	2	2	68	.42	.177	10	28	.85	105	.12	8	2.44	.03	.09	1	14
2+50S 2+00W	1	108	8	81	.5	20	27	940	5.17	7	5	ND	2	73	1	2	2	110	1.04	.190	10	30	1.99	77	.14	9	2.81	.01	.10	1	127
2+50S 1+50W	1	94	5	58	.1	18	19	651	3.88	10	5	ND	3	66	1	3	2	86	.81	.120	14	27	1.50	55	.15	7	2.02	.02	.14	1	57
2+50S 1+00W	1	44	7	78	.3	27	15	562	3.15	2	5	ND	2	46	1	2	2	66	.42	.099	8	51	1.21	82	.13	5	2.04	.01	.09	1	9
2+50S 0+50W	2	33	4	64	.1	18	17	543	4.00	7	5	ND	2	59	1	3	2	85	.44	.049	7	30	1.58	67	.18	7	2.22	.01	.18	1	44
2+50S 3+00W A	1	55	4	31	.1	7	6	1286	1.68	2	5	ND	1	17	1	2	2	49	.17	.011	6	13	.20	68	.10	7	.81	.03	.03	1	2
2+50S 2+50W A	1	23	4	48	.1	10	9	264	2.87	5	5	ND	1	35	1	2	2	76	.28	.089	5	22	.58	48	.12	6	1.23	.01	.04	1	2
2+50S 2+00W A	2	32	10	68	.1	14	11	321	4.23	2	5	ND	3	44	1	2	2	104	.39	.102	6	28	.90	80	.16	6	1.90	.01	.06	1	23
2+50S 1+50W A	1	17	6	63	.4	17	11	249	2.67	4	5	ND	3	37	1	2	2	58	.33	.025	6	22	.64	71	.14	5	1.82	.01	.09	1	72
2+50S 1+00W A	1	17	8	94	.4	25	12	341	2.69	3	5	ND	3	36	1	2	2	52	.31	.157	7	30	.64	109	.13	6	2.47	.01	.07	1	44
2+50S 0+50W A	1	28	9	64	.2	18	14	407	3.22	8	5	ND	3	50	1	3	3	70	.42	.079	6	28	1.00	68	.14	6	2.14	.01	.13	1	11
STD C/AU-S	19	63	39	135	7.2	71	31	1074	3.61	44	16	8	40	54	18	17	20	58	.48	.089	42	62	.86	191	.07	34	1.80	.07	.13	13	53

ESSO MINERALS PROJECT-#135 FILE # 88-1685

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
2+50S 0+50E	1	62	8	100	1.6	23	16	552	3.14	12	5	ND	3	35	1	7	2	54	.30	.136	5	21	.75	133	.13	5	2.40	.01	.10	2	225
2+50S 1+00E	1	31	5	60	1.2	16	15	485	3.84	9	5	ND	1	34	1	5	2	67	.33	.053	5	22	1.09	84	.13	5	1.84	.01	.11	1	395
2+50S 1+50E	1	9	6	45	.7	9	7	402	1.83	4	6	ND	4	26	1	2	5	39	.21	.059	4	13	.37	80	.09	4	1.12	.01	.11	2	92
2+50S 2+00E	1	11	8	60	.8	12	8	329	1.81	5	5	ND	3	28	1	2	3	28	.31	.209	4	12	.25	123	.11	4	1.91	.01	.07	1	29
2+50S 2+50E	1	20	5	98	.6	11	9	596	1.68	4	5	ND	1	32	1	4	2	26	.35	.173	4	10	.29	125	.08	5	1.33	.01	.09	2	112
2+50S 3+00E	1	16	10	94	.2	7	7	1127	1.44	3	5	ND	1	23	1	4	2	24	.20	.277	2	8	.13	179	.08	5	1.32	.01	.06	1	3
3+00S 3+00W	1	4	4	28	.1	3	3	326	1.05	2	5	ND	1	15	1	2	2	31	.15	.042	3	5	.11	49	.10	3	.43	.01	.05	1	9
3+00S 2+50W	1	21	6	87	.6	17	15	499	3.37	8	5	ND	1	24	1	4	2	55	.24	.285	4	20	.57	94	.12	4	2.63	.01	.05	2	7
3+00S 2+00W	1	17	8	42	.6	15	9	213	2.36	3	5	ND	3	23	1	5	2	43	.25	.089	6	17	.42	72	.11	4	1.87	.01	.08	3	6
3+00S 1+50W	1	22	7	74	.3	20	15	344	3.30	10	5	ND	3	37	1	4	4	61	.33	.126	6	21	.85	86	.13	4	2.60	.01	.12	2	22
3+00S 1+00W	1	15	11	61	.3	18	15	738	2.96	5	5	ND	3	36	1	3	3	56	.40	.083	5	16	.57	110	.13	4	2.11	.01	.13	2	19
3+00S 0+50W	1	14	7	59	.1	17	14	688	3.14	7	5	ND	1	22	1	2	2	49	.25	.092	2	12	.49	85	.10	4	1.48	.01	.08	7	655
3+00S 0+50E	1	64	7	79	.4	20	16	435	3.63	8	5	ND	2	40	1	5	2	70	.42	.041	6	26	1.15	53	.16	3	2.23	.01	.11	2	285
3+00S 1+00E	1	25	6	78	.4	20	11	501	2.52	5	5	ND	2	30	1	3	2	42	.30	.124	5	18	.55	95	.11	3	2.05	.01	.09	1	44
3+00S 1+50E	1	19	6	51	.2	16	10	673	2.55	6	5	ND	2	29	1	2	2	40	.18	.075	7	15	.70	161	.07	3	1.70	.01	.07	1	79
3+00S 2+00E	1	18	7	42	.6	18	10	258	2.10	5	5	ND	1	26	1	5	4	39	.23	.046	4	14	.46	109	.11	2	1.92	.01	.10	2	33
3+00S 2+50E	1	39	5	95	.9	19	14	318	2.27	5	5	ND	2	28	1	2	2	35	.28	.134	4	13	.39	96	.10	4	1.89	.01	.04	2	24
3+00S 3+00E	1	7	4	66	.5	8	6	286	1.44	3	5	ND	1	24	1	2	4	19	.13	.295	2	7	.17	210	.08	2	1.43	.02	.06	1	3
STD C/AU-S	20	62	42	132	7.3	70	31	1132	4.13	42	15	7	39	55	19	17	19	62	.49	.092	42	59	.89	183	.08	36	1.87	.07	.15	13	48
BL 3+25S	1	9	6	84	.4	11	7	451	1.70	3	5	ND	2	20	1	2	2	27	.23	.048	4	11	.31	106	.08	6	1.25	.02	.08	1	8
BL 3+50S	1	24	10	53	.6	18	14	464	3.70	5	5	ND	2	37	1	2	2	62	.50	.025	6	23	1.29	70	.13	3	2.21	.01	.17	1	64
BL 3+75S	1	17	10	92	.6	15	10	367	2.60	2	5	ND	3	34	1	2	2	42	.35	.082	5	18	.73	106	.09	6	1.77	.02	.11	1	49
BL 4+00S	1	6	6	41	.5	4	5	1118	1.42	2	5	ND	1	22	1	2	3	32	.30	.084	3	6	.15	73	.07	4	.67	.02	.07	1	2
BL 4+25S	1	24	8	60	.5	18	15	424	3.76	6	5	ND	2	34	1	2	3	63	.36	.031	6	23	1.09	93	.12	4	2.42	.01	.11	1	38
BL 4+50S	1	29	10	65	.6	22	14	451	3.54	7	5	ND	3	32	1	2	2	61	.37	.031	8	28	1.08	79	.13	3	2.36	.01	.14	1	157
BL 4+75S	1	26	11	54	.5	16	16	609	4.23	4	5	ND	3	40	1	2	2	67	.48	.023	6	23	1.21	80	.13	6	2.41	.01	.15	1	81
BL 5+00S	1	25	9	79	.5	19	13	721	2.79	6	5	ND	3	32	1	2	2	43	.40	.083	6	17	.62	118	.09	6	2.32	.02	.15	1	67
STD C	17	57	36	131	6.6	66	28	1043	4.02	44	21	6	36	47	17	17	20	56	.48	.080	37	54	.90	170	.06	38	1.93	.06	.14	12	-
STD C/AU-S	17	57	38	132	6.6	67	28	1052	4.07	40	22	6	37	47	17	20	18	56	.49	.081	38	56	.91	172	.06	38	1.95	.06	.14	11	49

ESSO MINERALS CANADA LTD. PR[illegible]CT 132 FILE # 88-3088

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
3+50S 0+50E	1	31	9	62	.7	17	16	507	5.31	3	5	ND	2	34	2	2	3	85	.37	.046	6	27	1.51	44	.14	3	2.34	.01	.13	1	165
3+50S 1+00E	1	16	10	77	2.5	20	9	405	2.73	5	5	ND	3	26	2	3	2	39	.30	.260	7	24	.58	89	.11	5	2.95	.01	.08	1	33
3+50S 1+50E	1	8	9	46	.5	6	7	281	2.06	4	5	ND	1	21	1	2	2	31	.24	.305	3	11	.12	58	.09	4	2.53	.01	.04	1	12
3+50S 2+00E	1	26	10	46	.2	17	15	423	4.06	6	5	ND	2	36	1	3	2	70	.32	.024	5	26	1.34	77	.11	4	2.32	.01	.06	2	46
3+50S 2+50E	1	35	5	52	.5	17	15	562	4.07	3	5	ND	2	48	2	2	4	69	.46	.068	6	29	1.40	58	.11	6	2.04	.01	.11	1	83
3+50S 2+50E A	1	35	4	52	.5	17	15	558	4.15	4	5	ND	2	48	1	3	2	71	.45	.069	6	29	1.43	58	.12	7	2.04	.01	.12	2	149
3+50S 3+00E	1	17	10	51	.3	15	11	369	2.45	2	5	ND	2	25	1	2	2	39	.25	.030	6	14	.53	95	.08	6	2.01	.01	.08	1	20
3+50S 3+00E A	1	15	7	47	.2	14	10	411	2.40	3	5	ND	2	23	1	2	4	41	.24	.027	5	14	.51	90	.08	6	1.77	.01	.07	2	6
4+00S 3+00W	1	52	7	63	.3	17	20	477	4.90	4	5	ND	2	37	1	2	2	90	.41	.137	5	26	1.47	57	.12	4	2.68	.01	.08	1	8
4+00S 2+50W	1	51	7	74	.4	16	22	613	5.73	6	5	ND	2	37	1	2	3	100	.39	.162	5	28	1.82	56	.11	4	2.82	.01	.07	1	4
4+00S 2+00W	1	51	9	58	.2	15	18	642	4.70	3	5	ND	2	52	1	2	2	92	.58	.062	6	27	1.52	67	.13	4	2.45	.01	.06	1	275
4+00S 1+50W	1	114	4	14	1.0	8	4	66	1.01	3	5	ND	1	62	1	2	2	27	2.76	.044	7	11	.11	31	.05	3	1.36	.02	.02	1	5
4+00S 1+00W	1	29	7	69	.3	17	17	557	4.39	2	5	ND	2	36	1	3	4	81	.39	.044	6	29	1.31	46	.12	4	2.38	.01	.08	1	336
4+00S 0+50W	2	24	12	70	.7	13	14	329	4.11	3	5	ND	2	51	1	2	3	73	.77	.102	5	27	.80	54	.12	5	2.87	.01	.06	1	118
4+00S 0+50E	1	14	6	93	.5	15	9	505	2.39	3	5	ND	2	29	2	2	2	40	.40	.134	5	18	.63	86	.09	5	1.99	.02	.11	1	125
4+00S 1+00E	1	27	7	65	.4	16	15	455	3.92	3	5	ND	3	30	1	2	2	61	.29	.062	7	24	1.18	66	.11	7	2.33	.01	.08	1	59
4+00S 1+50E	1	18	3	94	.8	18	12	431	3.12	4	5	ND	2	34	1	3	3	46	.34	.186	6	22	.81	94	.09	4	2.60	.01	.08	1	78
4+00S 2+00E	1	17	2	94	.5	18	8	803	1.94	2	5	ND	2	25	2	2	2	30	.25	.175	4	20	.42	96	.08	5	1.52	.01	.07	1	31
4+00S 2+50E	4	23	8	62	.5	11	9	574	2.37	3	5	ND	1	25	1	3	2	43	.30	.200	4	13	.38	82	.10	5	1.39	.01	.06	1	4
4+00S 3+00E	1	20	9	78	.4	14	9	480	2.63	4	5	ND	2	24	1	2	2	41	.31	.190	5	16	.53	82	.09	4	1.86	.01	.08	1	2
4+50S 3+00W	1	17	13	53	.4	11	9	322	2.57	5	5	ND	2	17	1	2	2	45	.22	.215	4	17	.41	78	.10	4	1.93	.01	.05	2	1
4+50S 2+50W	1	57	9	68	.1	17	21	797	5.17	5	5	ND	2	48	1	2	2	100	.53	.089	5	28	1.74	73	.12	2	2.35	.01	.06	1	73
4+50S 2+00W	1	20	4	57	.2	10	16	757	4.05	2	5	ND	2	30	1	2	2	68	.37	.114	4	18	1.12	55	.09	5	2.07	.01	.06	1	38
4+50S 1+50W	1	27	11	83	.5	14	18	468	4.52	3	5	ND	2	37	1	2	2	83	.43	.113	5	26	1.42	66	.12	6	2.78	.01	.06	1	44
4+50S 1+00W	1	35	8	107	.3	18	19	594	5.23	3	5	ND	2	40	1	2	3	93	.42	.223	5	29	1.55	62	.10	6	2.86	.01	.09	1	69
4+50S 0+50W	1	31	8	67	1.5	13	11	232	2.75	4	5	ND	3	29	2	2	3	53	.57	.044	8	20	.49	48	.12	13	2.77	.02	.06	1	15
4+50S 0+50E	3	49	13	80	.9	21	18	505	3.48	3	5	ND	2	32	1	2	2	45	.27	.107	5	19	.72	102	.10	5	2.65	.02	.11	1	135
4+50S 1+00E	1	18	4	46	.4	13	13	453	3.56	2	5	ND	2	32	2	3	2	55	.33	.023	5	22	.98	75	.10	5	2.22	.01	.08	2	84
4+50S 1+50E	1	20	10	73	.5	16	12	662	3.53	5	5	ND	2	28	1	2	2	54	.28	.131	5	23	1.02	75	.09	2	2.39	.01	.07	1	36
4+50S 2+00E	1	21	8	75	.7	22	12	315	3.31	7	5	ND	2	28	2	2	4	49	.30	.137	6	27	.74	85	.10	4	2.55	.01	.08	2	75
4+50S 2+50E	1	28	12	114	.6	21	13	483	3.13	4	5	ND	2	28	2	2	2	48	.27	.130	6	25	.83	77	.09	7	2.45	.01	.08	1	32
4+50S 3+00E	1	21	5	66	.8	15	12	474	3.20	2	5	ND	2	27	1	2	3	54	.35	.064	5	18	.86	67	.10	4	2.00	.01	.10	1	144
5+00S 3+00W	1	40	10	80	.6	21	19	411	5.45	6	5	ND	3	25	2	2	2	95	.29	.237	5	29	1.25	67	.12	7	3.76	.01	.06	1	21
5+00S 2+50W	1	23	14	62	.6	13	17	375	3.33	8	5	ND	3	18	2	2	2	48	.27	.744	5	18	.44	98	.12	6	3.28	.01	.05	1	2
5+00S 2+00W	1	28	8	63	.4	13	15	704	3.62	4	5	ND	1	33	1	2	2	63	.43	.095	5	21	.95	58	.11	5	2.19	.01	.07	1	26
5+00S 1+50W	1	26	11	94	.5	19	17	834	4.36	7	5	ND	2	31	1	3	2	74	.32	.212	4	26	1.14	74	.10	2	3.20	.01	.08	1	38
STD C	18	58	36	132	7.2	67	28	1103	4.09	43	19	8	37	46	17	17	18	55	.46	.093	40	55	.92	163	.06	33	1.91	.06	.13	13	-
RE 3+50S 0+50E	1	30	8	60	.6	17	16	494	5.16	4	5	ND	2	31	1	2	2	82	.34	.047	6	26	1.46	41	.12	4	2.26	.01	.12	1	155
STD C/AU-S	18	57	37	132	7.1	68	28	1048	4.12	39	18	7	37	47	17	17	19	56	.47	.092	37	55	.92	165	.06	33	1.95	.06	.14	12	52
5+00S 1+00W	1	20	8	55	.5	14	10	455	2.51	2	5	ND	2	17	1	2	2	43	.20	.107	5	20	.59	51	.08	6	2.05	.01	.05	1	2
5+00S 0+50W	1	21	17	48	.7	4	15	399	2.58	10	5	ND	2	19	1	2	2	30	.24	.926	4	9	.12	54	.12	3	3.78	.01	.03	1	1
RE 5+00S 2+50E	1	21	13	62	.2	20	12	618	3.08	4	5	ND	2	20	1	3	3	48	.23	.129	5	22	.70	72	.09	4	2.54	.01	.07	1	34
5+00S 0+50E	3	73	21	59	.3	14	16	485	4.91	4	5	ND	2	35	1	2	2	72	.39	.047	6	24	1.56	34	.11	3	2.22	.01	.13	1	192
5+00S 1+00E	3	60	10	51	.6	14	17	522	3.95	3	5	ND	2	37	1	2	2	60	.40	.066	4	21	1.13	64	.10	2	2.37	.01	.08	1	48
5+00S 1+50E	1	17	11	54	.7	15	11	514	2.96	3	5	ND	2	28	1	2	2	47	.31	.111	4	17	.74	81	.09	4	2.24	.01	.08	1	41
5+00S 2+00E	1	14	7	67	.3	12	8	545	1.99	4	5	ND	1	24	1	2	2	30	.24	.180	4	15	.48	95	.06	2	1.84	.01	.07	1	7
5+00S 2+50E	1	21	11	62	.2	19	12	606	3.06	4	5	ND	2	21	1	2	2	48	.24	.130	5	22	.70	72	.10	3	2.54	.01	.07	1	35
5+00S 3+00E	1	18	8	85	.4	16	11	558	2.69	2	5	ND	2	29	1	2	2	42	.33	.116	4	17	.64	69	.08	3	1.94	.01	.06	1	33

ESSO MINERALS PROJECT-#135 FILE # 88-1685

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
K88 1	3	81	3	52	.3	13	18	945	4.60	3	5	ND	1	114	1	2	2	85	4.02	.112	6	14	1.81	51	.13	5	1.87	.02	.34	1	12
K88 2	1	26	3	43	.1	10	11	1142	3.97	6	5	ND	1	191	1	2	2	74	7.44	.093	5	5	1.73	24	.14	7	1.95	.01	.11	1	1
K88 3	1	85	2	54	.2	11	18	961	4.89	6	5	ND	1	86	1	2	2	105	2.47	.125	6	10	2.30	41	.21	11	2.36	.05	.29	1	1
K88 4	3	82	2	53	.1	12	18	821	4.38	6	5	ND	1	82	1	2	2	97	1.80	.132	5	10	2.03	45	.22	25	2.17	.01	.28	1	16
K88 5	1	97	2	57	.1	11	21	837	4.50	2	5	ND	1	73	1	2	2	101	1.91	.129	6	8	2.01	55	.22	7	2.08	.03	.32	1	1
K88 6	1	113	2	55	.6	11	17	943	4.24	4	5	ND	1	91	1	2	2	97	3.53	.106	5	7	1.92	44	.19	5	2.03	.02	.28	1	1
K88 7	1	103	2	54	.3	11	19	876	4.43	2	5	ND	1	74	1	2	2	104	2.53	.118	6	8	2.10	52	.22	7	2.22	.01	.29	1	1
K88 8	1	116	2	56	.6	11	18	845	4.18	4	5	ND	1	76	1	2	2	99	2.22	.123	6	9	1.99	43	.20	8	2.05	.01	.23	1	1
K88 9	17	104	3	50	.3	11	21	966	4.65	2	5	ND	1	114	1	2	2	96	3.73	.112	6	8	1.93	37	.20	6	1.99	.01	.21	1	14
K88 10	2	64	2	43	.3	8	13	856	4.05	7	5	ND	1	114	1	2	2	90	3.91	.099	8	7	1.49	58	.16	14	1.52	.02	.42	2	35
STD C	20	62	42	127	7.3	75	30	1079	3.99	42	20	8	40	53	20	15	21	61	.48	.091	39	61	.87	163	.07	39	1.80	.06	.14	13	-
K88 11	1	81	3	41	.6	8	15	887	3.76	4	5	ND	2	152	1	2	2	73	4.42	.093	7	6	1.42	47	.14	8	1.49	.01	.29	1	4
K88 12	1	56	2	45	.3	9	14	766	3.85	2	5	ND	1	91	1	2	2	82	2.92	.111	6	7	1.73	47	.16	11	1.82	.02	.27	1	1
K88 13	2	53	2	48	.6	10	16	835	4.15	21	5	ND	2	68	1	2	2	94	2.37	.102	6	10	1.75	76	.18	16	1.82	.01	.36	1	24
K88 14	1	59	3	46	.9	9	17	886	4.21	9	5	ND	2	107	1	2	2	97	3.94	.104	7	8	1.58	54	.17	6	1.64	.01	.40	11	61
K88 15	1	65	2	44	.8	10	16	783	4.06	6	5	ND	2	88	1	2	2	74	2.76	.094	6	9	1.77	59	.16	13	1.97	.01	.23	2	19
K88 16	1	74	4	34	2.6	9	12	689	3.57	4	5	ND	2	105	1	2	2	65	3.29	.087	7	9	1.34	49	.13	13	1.51	.03	.25	2	77
K88 17	1	58	3	34	.7	8	13	834	3.56	6	5	ND	2	131	1	2	2	54	4.74	.064	6	4	1.32	28	.09	6	1.50	.04	.12	2	39
K88 18	1	141	3	55	.6	11	17	1085	5.40	4	5	ND	1	111	1	2	2	124	4.72	.120	7	10	2.07	43	.18	8	1.98	.01	.32	1	4
K88 19	1	101	2	28	3.3	6	12	1162	3.12	2	5	ND	1	367	1	2	2	43	11.36	.054	2	3	.90	46	.06	5	1.05	.01	.13	1	420
K88 20	2	37	5	38	1.4	9	14	870	4.09	12	5	ND	3	160	1	2	2	80	4.58	.097	7	10	1.47	48	.12	31	1.58	.01	.26	2	104
K88 21	1	35	2	38	.8	10	12	905	4.11	3	5	ND	2	183	1	2	3	92	5.45	.099	7	12	1.50	36	.13	8	1.49	.01	.34	1	35
K88 22	4	21	4	41	.4	9	14	768	4.07	3	5	ND	1	131	1	2	2	60	3.67	.096	7	10	1.52	47	.12	4	1.67	.01	.17	1	17
K88 23	1	13	10	41	1.1	10	12	938	4.32	6	5	ND	2	228	1	2	2	83	5.84	.090	8	11	1.51	45	.11	6	1.55	.02	.22	1	70
K88 24	1	18	4	42	.5	10	16	1101	4.11	6	5	ND	1	182	1	2	2	56	6.34	.092	6	10	1.47	71	.11	7	1.71	.01	.14	1	64
K88 25	9	30	3	47	.3	11	15	999	4.16	9	5	ND	1	126	1	2	2	57	4.19	.102	5	11	1.81	34	.15	6	2.05	.02	.11	1	3
K88 26	1	26	6	42	.6	10	16	1084	3.97	9	5	ND	1	203	1	2	2	47	5.75	.094	9	10	1.48	48	.10	6	1.71	.01	.14	1	25
RK8-27	1	28	6	48	.8	11	16	1035	4.79	2	5	ND	1	165	1	2	4	68	5.16	.095	7	13	1.63	43	.11	3	1.64	.01	.29	2	27
RK6-28	1	18	3	50	.1	13	16	1006	4.22	5	5	ND	1	113	1	2	3	71	3.66	.101	5	13	1.74	43	.13	35	1.83	.01	.28	1	13
STD C	19	62	37	130	6.7	71	30	1041	4.11	43	18	7	38	51	18	19	18	59	.48	.086	40	58	.92	171	.07	40	1.75	.06	.13	14	-
RK6-29	1	11	2	42	.1	12	15	781	4.13	2	5	ND	1	74	1	2	2	75	2.23	.103	4	13	1.75	58	.14	6	1.86	.01	.35	2	14
RK8-30	1	26	2	52	.1	12	22	857	4.40	3	5	ND	1	65	1	2	2	72	2.07	.100	5	15	1.76	43	.13	3	1.83	.01	.22	1	29
RK8-31	1	23	3	46	.4	10	14	750	3.42	2	5	ND	1	83	1	2	2	57	2.26	.100	5	11	1.45	34	.12	5	1.58	.02	.12	1	5
RK8-32	1	33	2	52	.4	12	19	912	4.44	5	5	ND	1	81	1	2	2	67	2.20	.086	4	16	2.15	39	.11	4	2.10	.01	.22	1	17
RK6-33	1	21	4	47	.2	11	18	841	4.37	5	5	ND	1	90	1	2	2	76	2.79	.095	5	14	1.75	45	.13	2	1.81	.01	.17	1	15

ESSO MINERALS PROJECT-132 FILE # 88-1932

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
K88 34	1	6	3	34	.3	7	14	906	3.93	2	5	ND	1	123	1	2	2	74	4.37	.078	7	5	1.32	45	.12	12	1.40	.02	.33	1	12
K88 35	1	64	4	44	.4	6	12	2049	4.83	5	5	ND	1	841	1	2	2	94	12.66	.014	5	8	1.53	33	.06	2	2.17	.01	.11	1	19
K88 36	1	28	2	29	.1	7	10	708	2.88	2	5	ND	1	103	1	2	2	60	2.19	.048	5	6	1.07	25	.11	6	1.47	.02	.13	1	1
K88 37	4	63	2	33	.1	6	10	746	3.20	2	5	ND	3	70	1	2	2	62	1.10	.047	7	3	1.06	19	.13	7	1.48	.02	.10	1	42
K88 38	1	64	2	44	1.2	4	23	1369	4.46	5	5	ND	1	300	1	2	2	58	7.65	.095	7	1	1.44	55	.12	5	1.73	.02	.21	1	75
K88 39	1	75	2	58	.1	5	17	901	3.85	3	5	ND	1	90	1	2	2	94	1.95	.147	10	1	1.82	45	.19	6	2.09	.03	.11	1	1
RE K88 35	1	65	5	44	.3	6	12	2055	4.87	7	5	ND	1	838	1	2	2	95	12.70	.014	4	7	1.53	32	.07	3	2.18	.01	.10	1	21
K88 40	1	7	6	18	.3	4	4	558	1.71	2	5	ND	2	44	1	2	2	31	1.12	.034	4	5	.45	41	.01	8	.47	.03	.08	1	19
K88 41	1	7	195	18	1.7	4	5	714	1.67	2	5	ND	1	36	1	2	2	36	1.08	.036	4	6	.58	60	.02	9	.56	.03	.11	1	98
K88 42	1	12	9	29	.5	7	7	782	2.72	2	5	ND	1	67	1	2	2	76	2.38	.062	6	12	.90	44	.06	46	.86	.03	.33	1	21
K88 43	1	9	15	21	.4	4	5	554	2.05	2	5	ND	1	38	1	2	2	61	1.60	.048	5	9	.56	36	.06	11	.58	.01	.32	1	7
STD C/AU-R	20	62	40	130	7.6	72	31	1105	4.06	44	22	8	42	56	20	17	23	61	.49	.093	40	60	.89	179	.08	36	1.84	.06	.15	14	480
K88 44	1	106	338	16	13.7	4	4	582	1.19	6	5	ND	1	269	1	2	3	12	4.27	.046	3	3	.33	91	.01	10	.37	.01	.10	1	450
K88 45	1	12	13	37	.5	5	7	622	2.17	3	5	ND	1	24	1	2	2	32	1.09	.042	4	7	.59	45	.02	13	.59	.02	.15	1	35
K88 46	1	10	47	27	.7	5	6	799	2.31	4	5	ND	1	53	1	2	2	43	1.63	.057	5	7	.81	50	.03	3	.74	.05	.19	1	[illegible]
RK88 58	1	35	3	5	.4	3	4	386	.86	4	5	ND	15	134	1	2	2	3	1.83	.033	20	3	.12	240	.01	5	.23	.01	.19	1	16
RK8-61	1	104	2	50	.1	10	17	849	4.12	2	5	ND	1	96	1	2	2	74	2.58	.110	5	10	1.83	29	.15	9	1.86	.02	.12	1	10
RK8-62	1	53	4	41	.1	9	15	928	3.88	3	5	ND	1	174	1	2	2	87	5.39	.092	4	7	1.54	40	.15	9	1.64	.01	.35	2	1
RK8-63	5	114	3	45	.1	9	21	746	4.44	2	5	ND	1	79	1	2	2	80	2.35	.105	5	7	1.73	41	.17	4	1.78	.01	.24	1	3
RK8-64	1	28	3	33	.2	6	13	968	3.07	4	5	ND	1	196	1	2	2	47	7.06	.075	5	4	1.19	48	.11	5	1.40	.01	.22	1	8
RK8-65	1	42	2	34	.1	5	15	696	3.77	3	5	ND	1	94	1	2	2	53	2.89	.097	7	2	1.42	63	.09	4	1.57	.02	.16	1	1
RK8-66	2	21	2	24	.4	5	11	870	2.84	2	5	ND	1	173	1	2	2	31	7.66	.086	8	2	.77	54	.10	2	1.04	.01	.26	1	27
RK8-67	1	17	3	29	.1	6	13	597	3.37	3	5	ND	1	101	1	2	2	47	3.26	.085	8	5	1.20	97	.08	5	1.33	.01	.24	1	265
RK8-68	1	69	4	43	.4	10	17	829	4.23	5	5	ND	2	125	1	2	2	85	3.16	.108	6	8	1.82	215	.16	12	1.91	.02	.30	2	6
RE RK8-64	1	29	3	35	.1	6	14	1020	3.24	3	5	ND	1	200	1	2	2	49	7.10	.079	5	5	1.25	50	.11	9	1.47	.01	.22	1	10
RK8-69	1	39	3	34	.1	7	13	681	3.94	3	5	ND	1	100	1	2	2	72	3.34	.100	7	6	1.45	109	.10	11	1.55	.03	.32	1	19
RK8-70	1	28	2	27	1.0	4	11	628	3.09	2	5	ND	1	157	1	2	2	39	3.63	.075	8	3	1.02	80	.07	3	1.18	.01	.19	1	80
RK8-71	1	44	4	43	.7	10	15	771	4.17	4	5	ND	1	118	1	2	3	65	3.17	.095	7	11	1.62	55	.11	4	1.65	.01	.19	2	27
RK8-72	1	43	3	46	.9	9	16	893	4.51	2	5	ND	1	184	1	2	2	60	4.74	.097	7	10	1.64	41	.08	10	1.63	.01	.16	1	11
RK8-73	1	69	5	39	3.0	9	15	1107	4.05	3	5	ND	1	338	1	2	2	53	7.64	.084	6	9	1.52	44	.06	2	1.52	.01	.07	1	112
RK8-74	1	42	3	47	1.3	9	16	1061	4.41	6	5	ND	1	189	1	3	2	83	5.88	.091	6	10	1.68	42	.11	5	1.67	.02	.15	1	89
RK8-75	32	31	3	52	.4	30	16	1001	4.79	3	5	ND	1	129	1	2	2	91	4.46	.092	6	68	1.96	37	.14	2	1.87	.02	.60	1	22
STD C/AU-R	18	60	38	132	6.7	71	30	1043	4.09	42	16	7	38	50	18	17	21	60	.49	.086	41	59	.92	181	.07	36	1.74	.05	.13	12	510

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SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
RK8-76	6	76	2	50	.6	11	24	897	4.78	3	5	ND	3	99	1	2	2	90	3.30	.103	8	12	1.80	69	.15	10	1.98	.02	.60	1	47
RK8-77	1	37	2	43	.6	12	17	844	4.19	6	8	ND	4	93	1	3	2	67	2.65	.099	7	14	1.75	81	.15	4	2.07	.03	.23	1	11
RK8-78	17	17	2	39	1.0	11	122	682	3.93	48	5	ND	3	87	1	2	2	41	3.00	.092	6	9	1.45	43	.13	5	1.93	.01	.19	1	345
RK8-79	3	31	2	40	4.1	9	17	842	3.99	12	5	ND	3	84	1	2	2	53	3.59	.086	7	9	1.39	45	.13	2	1.78	.01	.19	1	305
RK8-80	8	26	456	49	3.8	12	17	948	4.80	6	5	ND	3	90	1	2	3	80	3.28	.094	6	16	1.83	50	.17	3	2.10	.02	.24	1	355
RK8-81	76	38	4615	156	36.9	10	12	1232	5.27	4	5	4	3	225	21	3	2	97	5.68	.069	5	15	1.52	60	.14	13	1.66	.04	.39	1	3150
RK8-82	178	37	7439	48	72.5	7	12	753	5.10	8	5	6	2	107	11	5	2	71	3.90	.061	4	7	1.07	53	.10	2	1.22	.05	.27	1	3625
RK8-83	2	21	63	37	1.2	9	14	758	3.73	2	5	ND	3	98	1	2	2	58	3.09	.098	6	10	1.42	63	.16	3	1.71	.02	.27	1	72
RK8-84	7	21	30	28	1.2	11	14	1048	3.43	2	5	ND	4	242	1	2	2	42	8.71	.084	4	15	1.04	59	.14	8	1.41	.01	.30	1	125
RK8-85	2	21	6	47	.6	11	16	1005	4.52	5	5	ND	2	114	1	2	2	68	4.19	.101	6	14	1.64	60	.14	14	1.91	.01	.22	1	265
RK8-86	1	25	3	42	.3	11	14	947	4.70	2	5	ND	2	123	1	3	2	79	4.54	.099	7	15	1.58	68	.16	14	1.68	.02	.53	1	15
RK8-87	1	38	2	47	.1	11	15	938	4.36	2	5	ND	2	136	1	2	2	68	3.67	.099	7	14	1.69	58	.15	18	1.85	.04	.25	1	14
RK8-88	12	67	7	47	.2	11	20	884	4.40	3	5	ND	1	105	1	3	2	65	3.40	.099	6	12	1.50	59	.15	4	1.64	.01	.23	2	27
RK8-89	2	61	3	51	.6	10	16	922	4.35	7	5	ND	2	121	1	2	2	75	3.32	.105	6	14	1.59	47	.16	9	1.74	.01	.24	1	255
RK8-90	27	55	2	53	.4	10	16	949	4.17	8	5	ND	1	105	1	2	3	67	3.63	.101	6	12	1.62	40	.16	5	1.88	.03	.15	2	109
RK8-91	3	66	4	24	1.3	6	12	1224	3.01	16	5	2	2	198	1	2	2	43	12.07	.056	3	6	.73	22	.08	8	.90	.03	.08	5	1650
RK8-92	2	55	4	44	1.4	10	17	737	3.98	8	5	ND	3	84	1	3	2	63	3.11	.093	6	13	1.47	51	.14	6	1.69	.03	.22	1	255
RK8-93	1	6	2	37	.1	12	14	615	3.73	2	5	ND	1	99	1	2	2	47	1.57	.081	2	11	2.02	60	.11	4	2.17	.04	.16	1	5
RK8-94	1	48	2	49	1.2	12	16	916	4.66	6	5	ND	2	91	1	2	2	75	3.10	.100	6	15	1.68	109	.15	5	1.88	.04	.23	1	73
RK8-95	1	37	5	37	1.1	8	12	982	3.50	5	5	ND	2	225	1	2	2	66	6.04	.081	6	9	1.23	123	.13	2	1.36	.02	.49	4	104
RK8-97	1	9	16	17	4.0	3	7	1277	2.45	5	12	ND	2	1652	1	2	2	37	19.19	.021	2	2	.76	74	.03	2	.59	.01	.11	2	.28
RE RK8-91	2	66	2	24	1.0	6	12	1200	2.91	16	5	ND	2	193	1	2	2	42	12.03	.056	3	6	.72	20	.08	5	.86	.01	.08	5	1790
RK8-96	12	79	2	48	.4	11	16	954	4.11	5	5	ND	2	120	1	2	2	80	3.71	.095	6	15	1.61	46	.14	7	1.65	.02	.41	1	29
RK8-98	4	31	4	53	.4	11	15	1013	4.45	8	5	ND	2	121	1	2	2	91	4.47	.095	6	12	1.72	55	.15	3	1.81	.02	.52	1	77
RK8-99	2	25	2	53	.5	11	14	899	4.74	5	5	ND	3	83	1	2	3	89	3.02	.105	7	14	1.74	57	.15	4	1.81	.02	.48	1	27
RK8-100	1	39	7	48	.7	14	15	1026	4.73	6	5	ND	2	118	1	2	2	94	4.26	.095	7	27	1.65	52	.15	2	1.65	.02	.60	1	235
RK8-101	1	16	6	41	.5	8	12	928	3.73	2	5	ND	3	319	1	3	2	89	4.65	.084	6	10	1.31	67	.13	2	1.36	.02	.49	1	41
RK8-102	1	5	22	12	4.1	2	6	1439	1.94	7	20	ND	4	3002	1	3	2	25	26.32	.064	2	2	.71	106	.02	6	.51	.01	.04	2	390
RK8-103	3	30	5	54	1.3	11	15	1021	4.38	5	5	ND	4	117	1	2	2	89	4.01	.096	7	14	1.71	50	.15	9	1.76	.02	.45	1	67
RK8-104	2	19	2	47	1.1	11	16	824	3.77	5	5	ND	4	106	1	2	2	68	2.80	.102	7	13	1.50	39	.14	2	1.58	.02	.22	2	21
RK8-105	1	25	2	42	.6	9	15	1019	3.90	4	5	ND	2	175	1	2	2	58	5.79	.088	5	8	1.60	46	.11	2	1.66	.01	.20	1	26
STD C	19	59	38	125	7.1	70	30	1028	3.93	42	24	9	39	49	18	19	22	59	.47	.086	41	58	.88	170	.07	32	1.69	.06	.16	13	-
RK8-106	1	49	4	45	.4	9	12	1165	3.19	4	5	ND	5	419	1	2	2	48	6.17	.064	9	8	1.27	41	.09	2	1.32	.01	.20	3	2
RK8-160	1	33	23	4	.2	2	3	175	.57	82	5	ND	1	17	1	2	2	6	.51	.005	2	2	.21	18	.01	6	.04	.01	.01	1	5
RK8-167	1	27	7	10	.4	1	5	628	2.19	30	5	ND	2	242	1	2	2	14	6.40	.040	5	1	1.21	50	.01	6	.27	.01	.09	1	76
RK8-169	2	38	35	25	3.1	1	3	613	1.24	7	5	ND	1	112	1	2	2	54	8.07	.247	8	2	.24	16	.08	12	.38	.01	.01	1	119
RK8-172	3	87	2	50	.1	25	11	273	3.02	2	5	ND	2	15	1	2	2	50	.36	.031	2	19	1.25	107	.16	2	1.31	.02	.04	1	1
RK8-173	4	71	323	701	2.4	34	4	232	1.88	16	5	ND	2	13	3	5	2	47	1.51	.411	12	18	.38	82	.05	12	.52	.02	.11	1	2
RK8-174	4	6	8	4	.3	3	1	105	.39	2	5	ND	1	12	1	2	2	2	.14	.007	2	5	.02	7	.01	6	.04	.01	.02	1	1
RK8-175	1	90	2	29	.4	12	35	450	5.49	7	6	ND	2	38	1	4	2	78	.92	.031	2	1	1.42	25	.18	2	1.51	.04	.07	1	44
RK8-213	1	86	2	8	.1	2	7	709	2.49	2	5	ND	1	264	1	2	2	18	10.52	.087	2	3	.21	26	.03	3	.54	.01	.25	3	149
RK8-214	1	158	2	68	.4	7	28	613	5.18	2	5	ND	1	79	1	2	2	112	1.65	.292	7	12	2.05	12	.15	7	2.20	.04	.05	1	4

ESSO MINERALS CANADA LTD. PROJECT 132 FILE # 88-3088

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
RK8-362	1	63	17	74	.1	7	2	75	1.34	65	5	ND	1	18	1	2	2	17	1.71	.004	2	6	.14	30	.03	2	.37	.01	.02	1	24
RK8-363	1	34	6	34	.1	4	3	341	.65	10	5	ND	1	121	1	2	3	19	11.09	.080	6	8	.38	11	.06	13	.67	.02	.03	3	14
RK8-364	3	135	26	195	.4	12	3	248	.42	18	5	ND	1	31	2	2	2	5	12.93	.008	3	4	.06	4	.04	3559	.17	.01	.01	3	1
RK8-365	1	89	7	74	.1	3	8	99	.55	14	5	ND	1	39	1	2	3	13	1.74	.053	4	4	.10	15	.08	26	.57	.03	.03	1	21
RK8-366	2	20	8	124	.1	7	6	506	2.69	7	5	ND	1	72	1	2	4	29	4.27	.074	7	7	.70	24	.01	16	1.45	.01	.08	1	2
RK8-367	1	16	4	103	.1	3	1	581	.36	2	5	ND	1	18	1	2	2	4	2.02	.005	2	4	.10	4	.01	24	.15	.01	.02	1	2
RK8-368	1	689	2	47	.6	9	134	1083	20.67	35	5	ND	3	19	1	2	2	19	2.70	.056	6	10	.37	111	.02	4	.94	.01	.07	2	33

ESSO MINERALS PROJECT-132 FILE # 88-1932

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** GM/T
RK8-108	10	174	2	22	.1	4	24	476	2.31	2	24	ND	1	173	1	2	2	100	4.73	.013	2	1	.97	33	.30	2	1.43	.02	.21	[illegible]	.02
RK8-118	1	59	3	21	8.8	3	9	1341	2.29	19	40	ND	3	602	1	3	2	34	15.41	.045	3	2	.72	18	.03	11	.92	.02	.09	3	.13
RK8-159	1	4006	13	126	4.0	20	99	881	14.81	69	38	ND	1	8	1	2	2	10	6.72	.043	2	11	.07	19	.01	2	.38	.03	.03	4	.06

ESSO MINERALS PROJECT-132 FILE # 88-1932

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Pt** PPB	Pd** PPB
RK8-107	16	220	2	49	.7	9	38	500	4.65	2	5	ND	1	64	1	2	2	104	1.73	.042	2	1	1.71	37	.22	3	1.63	.02	.15	1	8	16
RK8-110	1	117	2	54	.2	6	22	495	4.55	2	8	ND	1	64	1	2	2	108	1.10	.073	2	1	2.17	79	.18	2	2.15	.01	.37	1	4	[illegible]

WHOLE ROCK ICP ANALYSIS

A .1000 GRAM SAMPLE IS FUSED WITH .60 GRAM OF LIBO2 AND IS DISSOLVED IN 50 MLS 5% HNO3.
- SAMPLE TYPE: ROCK

DATE RECEIVED: JUN 13 1988 DATE REPORT MAILED: June 20/88 ASSAYER. C. Leong .D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

ESSO MINERALS PROJECT-132 File # 88-1932 Page 5

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba PPM	LOI %	SUM %
RK8-109	45.69	16.19	11.02	5.51	13.59	2.21	.82	1.21	.10	.14	.01	188	3.5	100.02

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

88.6.22

DATE RECEIVED: JUN 13 1988 DATE REPORT MAILED: June 20/88 ASSAYER. C. Leong ..D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

ESSO MINERALS PROJECT-132 File # 88-1932 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
RG8-24	1	25	3	51	.1	15	15	1199	4.48	3	5	ND	1	256	1	2	2	101	7.47	.074	4	18	1.72	53	.10	2	1.84	.02	.50	1	11
RG8-26	1	27	11	3	.2	2	1	81	.37	4	5	ND	1	7	1	2	2	2	.16	.002	2	2	.02	25	.01	12	.02	.01	.02	1	2
RG8-27	2	15	45	19	.9	3	4	326	.92	4	5	ND	1	77	1	2	2	9	2.12	.008	2	5	.16	14	.01	22	.17	.01	.07	3	73
RG8-28	1	25	5	2	2.7	2	1	167	.32	4	5	ND	1	317	1	2	2	2	2.67	.001	2	2	.05	38	.01	3	.03	.01	.03	1	18
RG8-29	1	13	3	17	.1	11	3	407	1.39	2	5	ND	1	96	1	2	2	14	2.50	.005	2	7	.70	17	.01	4	.64	.01	.03	2	1
RG8-30	1	37	5	10	2.8	5	4	212	1.21	3	5	ND	1	36	1	2	2	16	.90	.022	2	4	.28	7	.02	14	.23	.01	.03	1	530
RG8-31	1	59	3	73	.1	8	11	654	3.60	2	5	ND	19	56	1	2	2	71	.74	.094	17	8	1.09	65	.18	9	1.51	.03	.54	1	4
RG8-33	1	101	8	92	.1	47	31	1181	8.21	14	5	ND	1	179	1	6	2	265	4.95	.093	4	116	3.92	27	.25	3	4.22	.01	.58	1	1
RG8-34	1	86	2	64	.1	19	14	521	4.53	2	5	ND	1	31	1	2	2	77	.78	.110	5	30	1.25	20	.12	11	1.72	.02	.05	1	1
RG8-40	4	80	3	57	.1	132	28	638	4.32	5	5	ND	1	136	1	2	2	88	2.95	.094	4	191	2.15	36	.12	5	1.91	.01	.05	1	1

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOIL AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

88.6.24

DATE RECEIVED: JUN 13 1988 DATE REPORT MAILED: June 17/88 ASSAYER. C. Leong ..D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

ESSO MINERALS PROJECT-132 'G' File # 88-1935 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
CK8-119	1	81	16	83	.4	42	18	621	3.78	16	5	ND	4	49	1	2	2	63	1.19	.081	11	50	1.21	71	.11	2	1.43	.02	.14	1	17
CK8-120	1	142	14	97	.3	40	23	717	4.64	27	5	ND	4	52	1	2	2	73	1.57	.081	12	55	1.28	68	.11	2	1.68	.02	.12	1	13
CK8-121	2	504	14	136	1.0	42	46	1252	7.57	57	5	ND	4	72	1	2	2	101	2.65	.090	12	61	1.58	77	.10	18	2.30	.01	.11	1	56
RE CK8-127	3	421	48	188	1.0	36	69	1509	8.17	151	5	ND	2	115	1	2	2	106	5.26	.071	17	42	1.40	69	.05	2	2.02	.01	.10	1	96
CK8-122	2	517	15	117	.9	41	42	1313	7.28	57	5	ND	5	66	1	2	2	92	1.82	.093	13	59	1.67	78	.09	2	2.25	.01	.12	1	109
CK8-123	2	384	15	120	.7	39	42	1188	7.08	61	5	ND	5	73	1	4	2	95	2.38	.096	13	58	1.60	87	.10	7	2.20	.01	.12	2	95
CK8-124	3	467	10	96	1.0	34	55	1136	10.24	118	5	ND	4	102	1	2	2	117	3.24	.126	14	49	1.86	92	.07	2	2.25	.01	.09	1	76
CK8-125	2	239	34	117	1.0	41	47	877	5.69	96	5	ND	5	74	1	2	2	69	2.37	.078	17	45	1.31	68	.09	2	1.59	.02	.13	1	29
CK8-126	3	332	38	158	1.1	40	49	1106	6.57	98	5	ND	6	89	2	2	2	84	3.94	.077	14	49	1.37	79	.08	2	1.82	.02	.13	1	67
CK8-127	3	426	48	168	.9	37	70	1516	8.12	155	5	ND	4	115	2	2	2	107	5.22	.072	17	43	1.39	69	.05	2	2.05	.01	.12	1	118

ESSO MINERALS PROJECT-132 FILE # 88-1935

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
CK8-128	2	482	58	183	1.0	40	63	1154	7.56	104	5	ND	6	81	2	2	2	96	3.27	.084	16	57	1.51	66	.08	2	2.17	.01	.13	1	144
CK8-129	3	988	19	117	1.6	37	85	1041	8.49	216	5	ND	4	90	2	2	2	79	3.66	.074	19	46	1.37	64	.06	2	1.84	.01	.12	1	430
CK8-130	15	4520	25	135	5.6	27	166	1670	18.77	144	5	ND	5	96	1	2	2	51	5.61	.063	13	47	.75	149	.03	2	1.29	.01	.13	1	305
CK8-131	14	1951	24	151	2.2	23	80	1798	11.47	73	5	ND	3	74	1	3	2	47	7.71	.062	9	40	.80	136	.05	2	1.38	.01	.11	4	460
CK8-132	34	1941	25	185	2.1	30	73	1542	11.67	49	5	ND	5	58	1	2	2	49	6.87	.063	10	43	.75	140	.05	2	1.30	.01	.11	5	121
CK8-133	26	1531	33	198	1.8	28	72	1665	12.84	76	5	ND	4	61	2	2	2	44	6.84	.053	8	33	.68	103	.04	2	1.14	.01	.12	3	106
STD C	19	60	36	134	7.0	72	30	1029	4.09	42	18	8	39	48	18	19	17	59	.44	.089	41	61	.91	168	.07	30	1.92	.06	.17	14	-
CK8-134	19	685	76	311	1.5	28	58	1676	9.13	113	5	ND	4	64	2	2	2	57	3.76	.085	14	38	.66	205	.03	2	1.33	.01	.10	2	66
CK8-135	12	180	340	1330	1.2	52	24	1137	6.32	101	5	ND	1	63	7	8	2	40	4.39	.090	9	38	.36	50	.02	2	.80	.01	.07	1	25
CK8-136	10	115	177	1416	1.3	67	23	1091	6.23	85	5	ND	3	60	6	9	2	38	5.22	.073	8	38	.25	39	.01	16	.67	.01	.08	1	22
CK8-137	9	116	88	1264	.9	120	31	1153	6.84	104	5	ND	2	56	3	6	2	42	4.41	.099	8	59	.35	38	.01	47	.86	.01	.08	1	16
CK8-138	5	275	117	739	1.6	38	39	1893	6.22	102	5	ND	5	95	3	2	2	46	7.52	.069	8	25	.82	67	.02	463	1.21	.01	.10	1	27
CK8-139	4	337	55	310	1.1	24	49	2078	8.47	87	5	ND	4	115	3	2	2	67	9.06	.071	6	24	1.04	75	.06	235	1.11	.01	.11	1	31
CK8-140	5	169	56	368	.7	22	25	2665	5.48	52	5	ND	3	165	3	3	2	68	11.94	.089	7	20	1.15	76	.06	1153	1.02	.01	.17	1	29
CK8-141	4	243	102	467	.8	23	22	3189	5.45	64	5	ND	3	215	3	2	2	55	13.74	.075	7	18	.86	84	.04	294	.84	.01	.13	1	48
CK8-142	4	209	122	558	.8	22	19	3021	4.89	49	5	ND	2	245	5	2	2	50	14.31	.074	9	22	1.13	95	.04	355	1.02	.01	.11	1	34
CK8-143	4	262	144	576	1.0	30	21	3030	5.95	57	5	ND	4	230	2	3	2	50	13.13	.065	9	27	1.39	116	.04	824	1.08	.01	.11	1	41
CK8-144	2	251	118	484	.8	30	22	2523	4.71	47	5	ND	2	195	2	2	2	47	13.34	.055	8	27	1.34	87	.04	2618	1.07	.01	.08	1	67
CK8-145	5	401	126	549	.9	33	36	3238	6.57	76	5	ND	4	218	2	3	2	66	11.36	.056	10	30	1.31	112	.04	463	1.26	.01	.08	1	55
CK8-146	7	450	47	235	1.5	25	44	1859	8.81	118	5	ND	3	219	2	2	2	86	6.93	.080	12	25	1.27	70	.06	28	1.65	.01	.09	1	113
CK8-147	2	421	59	200	1.5	25	46	1474	8.35	100	5	ND	5	168	1	2	2	82	5.89	.092	8	31	1.33	48	.08	30	1.66	.01	.08	1	126
CK8-148	3	545	31	156	1.7	31	59	1614	8.12	93	5	ND	6	178	2	5	2	86	8.40	.062	7	32	1.30	51	.09	19	1.70	.01	.09	1	210
CK8-149	3	583	27	166	1.9	36	72	1504	9.27	107	5	ND	4	184	2	2	2	94	7.22	.057	5	36	1.48	59	.10	15	1.97	.01	.09	1	131
CK8-150	1	368	20	130	1.1	31	57	1184	6.91	68	5	ND	6	130	1	3	2	97	5.77	.068	6	39	1.57	50	.13	18	2.01	.01	.10	1	72
CK8-151	1	347	11	112	1.5	35	56	1075	6.72	64	5	ND	5	103	2	4	3	100	4.78	.077	8	44	1.69	47	.13	16	2.17	.01	.12	1	48
CK8-152	2	384	15	103	1.2	27	57	1342	6.83	65	5	ND	3	137	1	2	2	102	8.64	.060	6	28	1.56	31	.11	2	2.01	.01	.08	1	76
CK8-153	2	331	9	91	1.0	29	53	1226	5.94	53	5	ND	5	137	2	2	2	96	9.77	.064	6	32	1.57	32	.11	2	2.04	.01	.10	1	57
CK8-154	1	354	12	83	.8	39	56	1188	5.78	57	5	ND	3	112	1	2	2	99	8.07	.063	6	44	1.72	40	.11	2	2.10	.01	.09	1	53
STD C/AU-S	15	59	43	139	7.0	73	30	1063	4.22	45	21	8	40	49	18	17	19	61	.44	.093	42	63	.94	184	.07	31	1.96	.07	.16	11	52
CK8-155	1	345	20	94	.5	45	63	1305	5.60	61	5	ND	1	104	7	2	2	101	8.42	.065	4	41	1.84	36	.11	13	2.15	.01	.09	1	25
CK8-156	1	319	11	94	.6	52	58	1278	5.96	53	5	ND	2	108	4	2	3	107	6.79	.075	6	60	1.95	46	.11	8	2.29	.01	.11	1	44
CK8-157	1	349	24	103	.5	62	53	1262	5.70	57	6	ND	2	105	6	2	2	102	7.99	.074	6	75	1.99	35	.11	8	2.15	.01	.11	1	48
CK8-158	3	331	18	120	.5	50	54	1463	6.32	69	6	ND	2	117	9	2	2	98	9.84	.071	7	60	1.92	34	.08	8	2.38	.01	.12	1	72

ESSO MINERALS CANADA LTD. PROJECT 132 FILE # 88-3088

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
CG8-35	1	24	4	153	.1	27	12	903	2.40	14	5	ND	1	19	1	2	2	51	.31	.182	4	35	.36	94	.10	2	1.99	.01	.04	1	2
CG8-36	1	54	16	291	.2	22	19	845	4.90	79	5	ND	3	35	1	2	2	77	.54	.112	5	23	1.03	87	.08	4	2.85	.01	.09	1	3
CG8-37	1	33	12	246	.3	19	11	488	2.97	11	7	ND	5	20	1	2	2	42	.30	.128	7	19	.45	98	.11	15	3.33	.02	.12	1	6
STD C/AU-S	17	59	41	132	6.7	70	29	1087	3.98	41	23	8	39	47	17	16	18	59	.46	.096	40	59	.90	179	.07	37	1.88	.07	.16	12	50

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: H.M. AU** ANALYSIS BY FA+AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUN 13 1988 DATE REPORT MAILED: June 22/88 ASSAYER .... D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

OR TOTAL

88.7.21

ESSO MINERAL CANADA LTD. PROJECT-132 File # 88-1933 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	NON MAG. WT GM	H.M. %	H.M. GM
HK8-47	3	79	2	47	1.6	18	36	695	6.53	11	5	ND	4	115	2	2	2	98	2.12	.125	10	61	1.37	51	.24	2	1.92	.02	.09	27	970	38.9	4.89	43.80
HK8-50	1	29	7	54	.3	16	17	708	6.10	3	5	ND	6	152	1	2	3	126	2.54	.087	14	57	1.09	24	.35	2	2.10	.02	.07	7	136	19.3	1.91	21.20
HK8-52	1	14	4	35	.2	19	8	520	4.14	3	6	ND	13	178	1	5	2	104	2.26	.077	30	55	.84	34	.51	2	1.68	.02	.06	27	62	23.5	2.18	27.50
HK8-59	1	21	2	43	.4	21	11	595	4.46	4	6	ND	17	168	3	3	2	103	2.53	.087	22	58	1.03	29	.43	2	1.98	.03	.08	7	140	15.7	1.22	16.30

ESSO MINERAL CANADA LTD. PROJECT-132 FILE # 88-1933

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	NON MAG. WT GM	H.M. %	H.M. GM
HG8-01	1	35	40	51	.4	33	18	673	4.98	13	5	ND	6	132	2	2	2	92	2.29	.091	14	53	1.23	47	.34	7	1.90	.03	.07	29	20	24.0	2.12	27.20
HG8-08	1	52	15	57	.3	47	16	541	4.33	11	5	ND	3	89	1	3	3	88	1.83	.050	14	68	1.49	110	.27	3	1.92	.03	.06	6	6	24.8	2.09	25.50
HG8-11	1	87	12	55	.6	51	25	518	5.51	5	5	ND	3	115	1	2	2	87	1.65	.054	8	81	1.48	48	.26	2	1.91	.02	.07	5	28	32.1	3.20	33.10
HG8-13	1	57	9	55	.3	43	19	616	4.67	6	5	ND	4	112	1	3	2	97	1.87	.068	11	67	1.65	35	.29	3	2.17	.02	.07	1	658	30.9	1.78	31.30
RE HG8-42	1	48	19	47	.1	44	21	458	4.70	22	5	ND	2	75	1	2	2	74	1.33	.048	6	86	1.17	54	.20	2	1.44	.02	.04	5	79	-	-	-
HG8-16	2	64	10	59	.5	44	37	706	5.80	7	5	ND	1	117	1	4	3	121	1.48	.048	4	63	1.84	33	.25	2	2.45	.02	.06	22	34	44.5	3.66	46.40
HG8-18	1	40	3	52	.6	16	20	660	4.41	3	5	ND	2	116	2	3	2	110	1.58	.054	6	45	1.35	30	.26	2	2.05	.02	.08	5	9	68.0	10.22	71.20
HG8-20	1	44	15	51	.5	14	21	661	4.29	3	5	ND	2	122	1	4	2	106	1.65	.057	4	44	1.32	31	.26	2	2.08	.02	.06	4	6	58.0	11.92	60.20
HG8-22	2	36	9	47	.4	22	20	684	5.51	6	5	ND	6	148	1	2	2	106	2.38	.082	17	57	1.15	35	.38	2	2.04	.03	.07	12	49	26.3	4.27	25.00
HG8-38	1	40	2	65	.2	35	20	977	4.59	4	5	ND	2	125	1	2	2	92	1.58	.036	6	67	1.15	105	.24	7	1.65	.02	.05	1	3	19.1	4.23	19.50

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: STREAM SED. AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUN 13 1988 DATE REPORT MAILED: June 24/88 ASSAYER. C. Leong D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

ESSO MINERALS CANADA LTD. PROJECT-132 File # 88-1936 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
SK8-49	1	44	2	67	.5	16	20	1037	4.98	9	5	ND	4	47	3	5	4	92	.85	.130	8	31	1.98	61	.12	2	2.11	.01	.15	2	5
SK8-51	1	70	2	62	.2	15	11	1064	3.16	8	5	ND	3	53	1	2	2	60	1.04	.096	12	28	.86	53	.08	11	1.40	.01	.09	1	1
SK8-53	1	17	5	42	.1	19	10	551	2.50	5	5	ND	4	47	1	2	2	39	.51	.084	9	36	.89	70	.05	12	1.13	.02	.13	1	7
SK8-54	1	42	2	56	.3	21	12	503	3.11	4	5	ND	6	39	1	5	4	63	.92	.097	14	37	.97	37	.12	19	1.29	.01	.09	1	10
STD C	20	60	37	132	6.9	71	31	1069	4.05	44	22	8	39	49	19	17	23	61	.48	.090	39	61	.96	174	.08	39	1.92	.06	.14	14	-
SK8-55	1	19	2	38	.2	16	10	357	5.33	3	5	ND	7	41	4	2	2	121	.56	.080	11	44	.65	50	.09	7	.91	.01	.06	2	560
SK8-56	1	17	5	33	.1	11	7	308	1.86	2	5	ND	3	39	1	2	2	37	.48	.059	8	23	.62	60	.08	18	.88	.01	.05	1	860
SK8-57	1	36	2	48	.3	19	10	638	2.77	5	5	ND	5	52	1	2	2	53	.68	.085	13	33	.76	116	.10	16	1.20	.01	.09	1	1
SK8-60	1	20	2	36	.1	15	8	359	2.44	4	5	ND	3	44	1	2	2	49	.61	.085	12	27	.66	63	.09	2	.98	.01	.06	2	1
SK8-176	2	71	9	99	.4	34	19	839	4.13	25	5	ND	2	83	2	5	2	69	3.90	.071	10	57	1.24	58	.10	8	1.82	.01	.11	1	4

ESSO MINERALS PROJECT-132 FILE # 88-1936

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
SG8-02	1	26	28	62	.2	16	11	669	3.33	9	5	ND	3	47	2	3	2	62	.78	.082	8	31	1.15	55	.10	6	1.39	.03	.16	1	5
SG8-03	1	37	20	52	.1	22	11	532	3.13	10	5	ND	4	49	5	4	2	60	.82	.086	11	32	.81	88	.07	6	1.06	.02	.12	1	13
SG8-04	1	26	15	45	.2	16	12	524	2.74	6	5	ND	4	43	4	4	2	55	.67	.084	9	26	.77	76	.07	17	1.00	.01	.10	1	2
SG8-05	1	22	19	38	.1	18	8	457	2.25	2	5	ND	2	39	1	2	2	45	.58	.077	8	23	.67	72	.06	3	.91	.02	.08	1	1
SG8-06	1	69	13	73	.1	26	21	1008	4.66	6	5	ND	1	60	4	2	2	101	.97	.105	5	64	1.75	76	.12	2	1.70	.02	.14	3	1960
SG8-07	1	59	16	49	.1	22	9	677	2.31	5	5	ND	1	99	9	2	2	49	10.89	.058	3	43	.79	44	.05	2	1.01	.02	.07	1	1
SG8-09	1	41	9	57	.2	22	9	394	1.73	9	5	ND	1	123	8	2	2	38	14.44	.037	3	33	.57	36	.03	2	.71	.02	.07	1	1
SG8-10	1	59	14	67	.1	24	19	734	5.06	4	5	ND	1	51	2	2	2	102	1.07	.104	4	73	1.53	46	.12	2	1.54	.02	.10	2	1
SG8-12	1	88	18	65	.1	37	18	575	3.81	10	5	ND	1	62	2	6	2	80	1.66	.058	3	74	1.43	29	.14	2	1.41	.02	.09	1	9
SG8-14	1	87	18	64	.1	36	18	766	4.04	10	5	ND	1	72	3	2	2	84	1.85	.084	6	77	1.38	52	.13	4	1.49	.02	.10	1	11
SG8-15	1	92	23	87	.1	20	20	1541	4.20	6	5	ND	1	70	3	3	2	92	1.23	.101	5	40	1.69	89	.07	2	1.75	.02	.13	1	16
SG8-17	1	76	11	80	.1	48	20	1556	3.88	9	5	ND	2	61	2	2	2	88	1.13	.078	4	105	1.87	92	.07	25	1.73	.02	.08	1	25
SG8-19	1	44	11	74	.1	28	19	1142	4.13	5	5	ND	1	66	3	2	2	98	.83	.080	4	44	1.89	73	.14	2	1.88	.03	.15	1	19
SG8-21	1	68	2	67	.1	22	18	819	4.21	4	5	ND	1	53	4	2	2	95	.83	.085	4	54	1.67	61	.13	22	1.61	.02	.14	2	1
SG8-23	1	19	10	38	.1	14	9	408	2.81	5	5	ND	3	46	1	2	2	58	.56	.063	7	28	.83	56	.08	20	1.02	.03	.13	1	4
SG8-25	1	61	20	78	.1	63	20	1100	3.94	21	5	ND	3	32	2	4	2	80	.73	.079	6	65	1.61	72	.10	8	1.91	.02	.13	1	20
SG8-39	1	57	14	132	.1	59	26	2785	4.99	4	5	ND	1	53	2	2	2	112	.78	.071	3	121	2.22	142	.16	2	2.05	.03	.12	1	6
SG8-41	1	64	6	63	.1	27	13	973	2.97	8	5	ND	1	66	1	2	2	62	1.28	.063	4	56	.98	58	.06	2	1.38	.01	.08	1	5

APPENDIX II

STATEMENT OF COSTS

COST STATEMENT

Exploration Period

Labour:

Geologist	27 days @ $165/day	$ 4,455
Assistants (3rd yr.)	19 days @ $135/day	2,565
Assistant (2nd yr.)	46 days @ $110/day	5,060
Manager Supervision	2 days @ $425/day	850
		$12,930

Food and Lodging:

19 days - crew of 4 @ $33.50/man	$ 2,546
8 days - crew of 2 @ $33.50/man	536
	$ 3,082

Sample Analysis:

Sediment Sample and Soil Sample: 389 @ $11.60	$ 4,512
Rock Samples: 124 @ $13.75	1,705
Sediment Heavy Mineral Separate: 13 @ $23.60	307
	$ 6,524

Transportation:

4 x 4, F250 Pick-Up @ $930/month	$ 930
Fuel	468
	$ 1,398

Miscellaneous:

Sample Bags, Shipping, Film, Flagging Tape, Topofil	$ 649
Report Writing and Drafting	3,240
	$ 3,889

TOTAL: $27,823

Keenan Dom