ARIS SUMMARY SHEET

District Geologist, Kamloops Off Confidential: 90.05.25

ASSESSMENT REPORT 18780 MINING DIVISION: Clinton

PROPERTY: Relay Creek
LOCATION: LAT 51 11 00 LONG 122 56 00
UTM 10 5669996 504659
NTS 092O02W

CAMP: 035 Taseko - Blackdome Area

CLAIM(S): Dash 3,Relay 4
OPERATOR(S): Esso Res. Can.
AUTHOR(S): Dom, K.
REPORT YEAR: 1989, 194 Pages
COMMODITIES
SEARCHED FOR: Gold
KEYWORDS: Cretaceous,Taylor Creek Group,Andesites,Kingsvale Group
Feldspar Porphyry,Dykes,Sills,Gold
WORK
DONE: Drilling,Geochemical,Geological
DIAD 1079.2 m 8 hole(s);HQ ,NQ
Map(s) - 11; Scale(s) - 1:250,1:2500
PETR 6 sample(s)
SAMP 745 sample(s) ;ME
RELATED
REPORTS: 03830,16467
MINFILE: 092O

1988 ASSESSMENT REPORT

ON THE

RELAY CREEK PROJECT

Clinton Mining Division, B.C.
Lillooet Mining Division, B.C.

NTS: 920/2
Latitude: 51° 11′ Longitude: 122° 56′

Owned by:
Minven Gold Corporation
2106 - 401 Bay Street
Toronto, Ontario M5H 2Y4
and
Esso Minerals Canada, A Division of
ESSO RESOURCES CANADA LIMITED
1600 - 409 Granville Street
Vancouver, B.C. V6C 1T2

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

By:
Keenan Dom
January, 1989

Distribution:
Government - 2 copies
EMC Files - 1 copy
EMC Field - 1 copy

MA16.C.909
5001.B

TABLE OF CONTENTS

LIST OF APPENDICES

LIST OF TABLES/FIGURES/MAPS

1.0 SUMMARY AND CONCLUSIONS

The Relay Creek Property is located in southwestern B.C., 90km northwest of Lillooet. The geographic center of the property is at 51°11′ north latitude and 122°56′ west longitude.

The Relay Claim Group consists of six contiguous claims totalling 98 units and is located in the Lillooet and Clinton Mining Divisions. Minven Gold Corporation of Toronto owns Dash 1, 3, 4 and Relay 4 Claims; and Esso Resources Canada Limited owns the Relay 3 and 5 Claims.

The property is underlain by Lower Cretaceous Taylor Creek Group volcanics and Upper Cretaceous Kingsvale sediments. These rocks are intruded by altered Tertiary, feldspar porphyry dikes hosting low grade gold mineralization.

Barrier Reef Resources staked the Dash Claims in 1979 and subsequently collected soil samples, geologically mapped the property, and drilled four diamond drill holes totalling 671m in 1982.

During the 1987 field season, Esso Minerals Canada conducted an exploration program consisting of geological mapping, soil sampling, a geophysical IP survey and reverse circulation percussion drilling. The best results were 2.9 g/T Au over 7.5m and 2.0 g/T Au over 9.0m in RC-13.

The 1988 diamond drilling program was designed to test four anomalous gold zones and one strong I.P. anomaly at depth. A total of 1079.2m of diamond drilling was completed in eight diamond drill holes on the Relay

Creek Property. Two holes on claim Relay 4 totalled 322.5m and the remaining 746.4m of drilling was done in six holes on the Dash 3 claims. The best intersections include 1.46 g/T Au over 5.6m in RYC001, 2.24 g/T Au over 2.73m in RYC006 and 1.95 g/T Au over 4.77m and 5.9 g/T over 1.3m in RYC008.

2.0 INTRODUCTION

The Relay Creek Property is jointly owned by Minven Gold Corporation and Esso Minerals Canada, a division of Esso Resources Canada Limited. The property was subjected to geological, geochemical, geophysical evaluation, and reverse circulation percussion drilling during the 1987 field season. In 1988, a diamond drill program totalling 1079.2m of drilling was undertaken. This program was designed to test, at depth, four anomalous gold zones and one strong I.P. anomaly. This report details the results of the drilling.

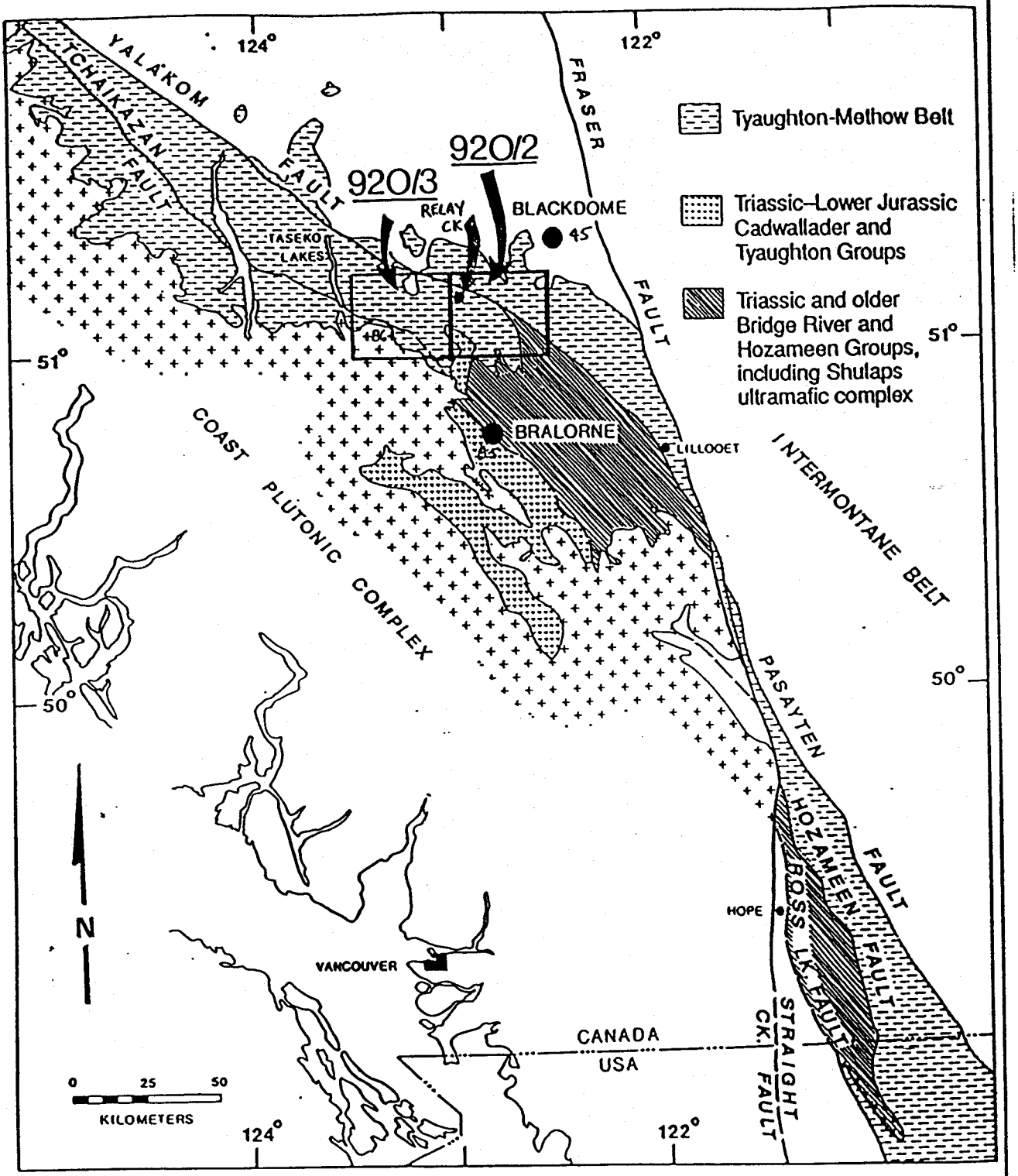
3.0 LOCATION AND ACCESS

The Relay Creek Property is located in southwestern British Columbia, about 40 km north of Goldbridge and 90 km northwest of Lillooet (Fig. 1). The geographic centre of the property is at 51°11′ north latitude and 122°56′ west longitude.

Access to the property is by road from Carpenter Lake via Tyaughton (Tyax) Lake. Good logging roads lead up to the Mud-Relay Creek junction and a rough mineral exploration road continues another 20 km to the property. Drill roads access the 7500′ summit on the Relay 4 claim. Helicopter access from Lillooet requires about 30 minutes.

4.0 PHYSIOGRAPHY AND VEGETATION

The property is located near the headwaters of Relay Creek, on the northeast margin of the Chilcotin Range. Elevations range from 5500′ in Relay Creek to 7500′ on the ridge to the north. Locally, the name "Red Mountain" is applied to the area where the claims are situated.



ESSO MINERALS CANADA

RELAY CREEK PROJECT

Location Map
and
Regional Geology

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

Project No: **116**	Report No:
Mining Div: **CLINTON**	NTS: **92 O/2**
Survey By:	Drafted By: **KD**
Date: **NOV. 23/88**	Map No: **Fig. 1**

The south side of the valley is covered in spruce, douglas fir and lodgepole pine while the north side is more open with stands of aspen, lodgepole and timber pine. Above 6500' the slopes are mostly bare grassy meadows except for the steep south facing talus slope on the Relay 4 claim. Unvegetated talus slopes have a characteristic orange-red limonitic stain.

5.0 CLAIM STATUS

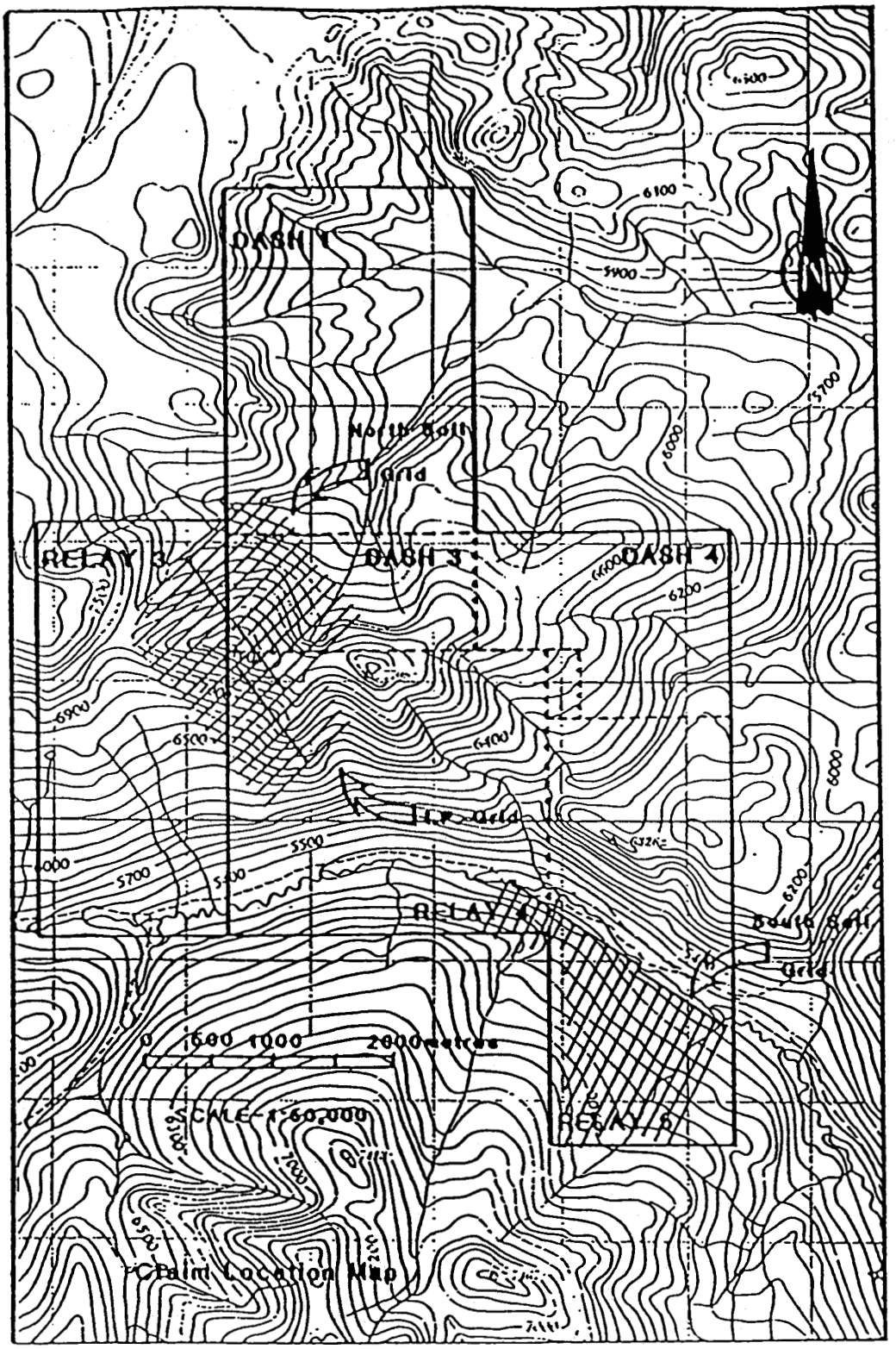
The Relay Claim group consists of 6 contiguous claims totalling 98 units as follows:

Claim Name	Record Number	Units	Expiry Date
Dash 1	376	20	August 10, 1994
Dash 3	378	8	August 10, 1996
Dash 4	379	12	August 10, 1990
Relay 3	2090	18	October 8, 1989
Relay 4	1074	20	July 23, 1994
Relay 5	3669	20	February 25, 1990

Minven Gold Corporation of Toronto owns the Dash 1, 3 and 4 and Relay 4 claims; Esso Resources Canada Limited owns the Relay 3 and 5 claims.

Dash 1, 3, 4 and Relay 3, 4 claims are located in the Clinton Mining Division, while Relay 5 is located in the Lillooet Mining Division (Fig. 2).

Esso Minerals Canada has the right to option 100% of the Relay Creek claim group from the Mining Finance Corporation up to December 31, 1995.



ESSO MINERALS CANADA

RELAY CREEK PROJECT

Claim Map

To accompany a report by K. DOM

Project No: 116	Report No:
Mining Div: CLINTON	NTS: 92 O/2
Survey By:	Drafted By: KD
Date: NOV. 23/88	Map No: Fig. 2

6.0 HISTORY

Part of the property was first staked in 1970 by the Sheba Syndicate (Home Oil Ltd.) to cover a copper-molybdenum porphyry showing on the lower slopes above Relay Creek. From 1971 to 1973 they conducted geological, geochemical and limited geophysical surveys and in 1974 they drilled four diamond drill holes aggregating 1500 feet (Assessment Reports 3179, 3829, 3830 and 4597).

In 1979 Clear Mines are reported to have done extensive geological, geochemical and geophysical work but the work was not recorded.

Barrier Reef Resources staked the Dash claims in August 1979 and the Relay claims in April 1980. In 1980, contour soils and silt samples were collected on the Relay and Dash claims. Detailed grids were laid out over parts of the Relay claims in 1981 to cover anomalous areas. Soil and rock geochemistry was done in conjunction with claim mapping. In 1982, 50 metre fill-in soil lines and more detailed geology and rock sampling were done to define a gold anomaly prior to drilling four diamond drill holes (671m total).

Esso Minerals Canada optioned the property in October 1986. A new 18 unit claim, Relay 3, was recorded by Esso Minerals on October 6, 1986 and a second 20 unit claim, Relay 5, was recorded by Esso Minerals on February 26, 1987.

In 1987, Esso Minerals Canada conducted an exploration program consisting of geologic mapping, geochemical soil sampling, geophysics and reverse

circulation percussion drilling totalling 650 metres. This program identified four gold-bearing zones (Spine Zone, 65m Zone, 75m Zone and Road Zone) and one I.P. anomaly. RC-13 intersected two mineralized zones assaying 2.9 g/T Au over 7.5m and 2.0 g/T Au over 9.0m (Map 116-01).

Table 1 summarizes the data related to the 1987 exploration program on the Relay Creek property.

TABLE 1

Claim Name	Area Mapped	Soil Samples	IP Survey	Reverse Cir'n Drilling
Dash 1	48	124	-	-
Dash 3	112	148	2.5	537.5 m
Dash 4	-	-	-	-
Relay 3	10	30	-	-
Relay 4	48.50	50	4.5	112.5 m
Relay 5	131.50	306	-	-
TOTAL	350 (ha)	658	7.0	650.0 m

7.0 REGIONAL GEOLOGY

The Relay claims are situated within the central portion of the Tyaughton Trough; a post accretionary basin filled with a thick sequence of Mesozoic through Cenozoic volcanics and sediments. This basin lies within the Intermontain belt and overlaps the Stikinia, Wrangellia, Cache Creek and Bridge River Terranes. The trough is bounded to the southwest by the Coast Crystalline Complex. The northeast margin of the trough is obscured by Tertiary cover.

Granodiorites and varied porphyries of probable Early Tertiary age (Keith Glover, pers. comm.) intrude all Jura-Cretaceous rocks; they are a major feature on the Relay Creek Property (Fig. 1).

8.0 PROPERTY GEOLOGY (W. Melnyk, 1987)

The property geology is presented on Map 116-01 at a scale of 1:2500. This map is based on work done on the Relay and Dash claims in 1987. Minor modifications have been applied from the findings of the 1988 drilling results.

The area surrounding the Relay claims is underlain by Lower Cretaceous Taylor Creek Andesitic volcancis and sediments surrounded by and in fault contact with Upper Cretaceous Kingsvale sediments. A wedge of serpentinized ultramafic rock of uncertain age is exposed along the Yalakom Fault to the northwest. The Taylor Creek rocks are intruded by a large swarm of porphyry dikes and sills or Tertiary (?) age.

The porphyries occupy a northwest trending zone up to 1500 metres wide. They are tabular bodies that roughly parallel the stratigraphy although they exhibit pinch and swell features and locally cut bedding at very shallow angles.

8.1 Structure, Alteration and Mineralization

The stratified rocks are arranged homoclinally, strike southeasterly (± 135°) and dip steeply (75° -90°) southwesterly. Feldspar porphyry intrusive rocks trend in a similar direction and are probably influenced by the attitude of the stratified rocks. In the northern portion of the north grid, intrusive rocks form distinct bands trending 128°. In the vicinity of L11N, the integrity of the dikes is disrupted by a multitude of east-west striking faults which are complimentary to a major structure trending 025°. 1988 drill results from RYC007 indicates less east-west faulting than previously interpreted. Further mapping is necessary to reach a better understanding of the east-west fault structures.

The 1987 mapping program identified major shear zones that occur in the northwestern fault block in feldspar porphyry rocks. These zones vary in width from 25m to 75m and possess a pronounced foliation trending from 150° to 165°, dipping vertically. The shears represent zones of moderate to strong carbonate-sericite-sulphide alteration and form prominent gossans on the steep, talus covered, southwest facing slope on the property. Intense soil gold geochemical anomalies occur coincident with the zones of shearing.

9.0 1988 DIAMOND DRILLING RESULTS

9.1 Work Program

The 1988 exploration program on the Relay Creek property commenced on June 28, 1988 and was completed September 11, 1988. The diamond drilling was done by Core Enterprises Ltd. of Clinton employing a four man drill crew.

The Relay Creek drilling program was designed to test four anomalous gold zones and one strong I.P. anomaly at depth. In total 1079.2 metres of diamond drilling was completed in eight diamond drill holes. The above figure represents 332.5m of drilling in two holes on the Relay 4 claim and the remaining 746.7m of drilling in six holes on the Dash 3 claim. Location of the diamond drill holes are found on Map 116-01.

The drilling conditions on the property are quite variable. Generally near the surface the rock is badly broken from surficial meteoric alteration enhanced by mechanical weathering. The surficial weathering influence often penetrates to depths of 30 to 50 metres. Past this depth rock competency dramatically increases leading to much better drilling conditions and increased productivity.

9.2 Analytical Techniques

A total of 745 core samples were collected. A description of analytical techniques and sample values are found in Appendix I.

9.3 Geology

All diamond drill holes, except RYC005, intersected variable widths of altered hornblende-feldspar porphyry. The porphyry appears to consist of 2 - 3 intrusive phases. The phase relationships are poorly understood because contacts within the intrusive are transitional. The dominant intrusive phase is medium to coarse-grained, fresh/unaltered, crowded hornblende-feldspar porphyry. Other phases are feldspar porphyry and feldspar-quartz±hornblende porphyry.

A petrographic study on six porphyry samples from RYC001 has defined two compositional groups: quartz diorite and diorite. The quartz diorite rocks are composed of plagioclase phenocrysts in a microgranular groundmass of intergrown plagioclase and quartz. Minor primary mafics were observed, however, most samples are strongly altered to sericite and lesser carbonate. The diorite compositional rocks contain abundant, rather coarse plagioclase phenocrysts up to 8mm in size and lesser, totally altered mafics, in a microgranular groundmass of fresh plagioclase. This group displays moderate to strong alteration to carbonate and lesser sericite. Additional sample descriptions and estimated modal counts are in Appendix II.

TABLE 2

1988 DIAMOND DRILLING SUMMARY

DDH No.	Location	Elevation (m)	Azimuth (degrees)	Dip (degrees)	Depth (m)	Horiz. Proj. (m)	Results
RYC 88-001	L2+00N, 0+25E (Spine Zone)	2146	305	-60	163.35	81.67	Drilled in moderately to strongly altered porphyry. 3 - 8% disseminated sulphides (2% Sp) at 96.5 - 136.5 (40m). Best looking hole of the program.
RYC 88-002	L3+52N, 0+21E (Spine Zone)	2185	100	-60	169.2	84.6	Drilled in variably altered hornblende porphyry. Sericitic at 65.5 - 79.4, 85.1 - 95.0, 148.4 - 152.0. 2 - 5% Py + Po, 0.5 - 1% Sp, @ 148.4 - 152.0.
RYC 88-003	L7+00N, 3+00W (I.P. Test)	2164	050	-60	92.65	46.33	The hole cut predominantly andesitic tuff with minor feldspar porphyry, moderately altered. The strongest development of Fe-sulphides in a stockwork occurs between 40.0 and 49.2 and corresponds to the I.P. anomaly.
RYC 88-004	L9+79N, 0+81W (65m Zone)	2320	066	-60	95.4	47.7	Cut porphyry at 14.0 - 83.5. Strongly altered at 18.0 - 28.7. 3 - 6% Py + Po at 34.0 - 63.6, disseminated. Silicified section with 6% Py + Po at 83.5 - 84.2. No base metals.
RYC 88-005	L9+63N, 1+36W (65m Zone)	2291	065	-60	64.6	32.3	Abandoned in andesitic tuff before porphyry was reached. Bad ground.
RYC 88-006	L7+92N, 0+25E (75m Zone)	2329	070	-60	169.77	84.89	Drilled entirely within moderately altered porphyry. 2 - 3% disseminated Py + Po throughout. 6% Py + Po at 26.35 - 34.32. Locally calcareous between 50.4 - 96.05. Trace sphalerite in calcite veins at 18.3 - 42.5.
RYC 88-007	L8+10N, 3+45E	2240	260	-60	175.87	87.94	Andesitic tuff cut at 78.8 - 127.7, otherwise all in porphyry. Weak sericitic alteration at 127.7 - 175.6 with 1 - 3% disseminated Py + Po. No base metals.
RYC 88-008	L7+00N, 0+80E	2316	243	-60	148.40	74.2	Second best mineralized hole. Drilled entirely in porphyry. Variably altered. 4 - 6% Py as disseminated spots at 70.9 - 76.6, 97.1 - 100.3, 102.1 - 122.45, 128.15 - 135.45.
TOTAL					**1079.2**		

5001.B

9.4 Mineralization and Alteration

The diamond drill holes intersecting the feldspar porphyry dykes have a minimum of 0.5 - 1% sulphide contact with selective zones reaching 2 - 3% pyrrhotite and 1 - 2% pyrite. Higher sulphide content is loosely associated with the reduction in hornblende content. It is unknown if this relationship is related to alteration or a specific primary intrusive phase. Higher sulphide sections are also sporadically associated with higher gold values. Generally, sulphides are present as randomly disseminated fine-grained and coarser blebs/aggregates of pyrrhotite and pyrite. In RYC001, a sphalerite component with minor tetrahedrite and arsenopyrite are present. Lack of significant strong alteration accompanying the disseminated sphalerite, pyrrhotite and pyrite in the porphyritic rocks indicates a primary magmatic or late-stage magmatic (deuteric) source for the sulphides. Possibly analogous to those in porphyry copper systems.

9.5 Results

9.5.1 Spine Zone

Objectives: Test +2880 ppb Au soil anomaly plus follow-up intersections in the 1987 reverse circulation drilling:
RC-13 (2.91 g/T Au over 7.5m and 2.0 g/T Au over 9.0m).

The Spine Zone was tested with two diamond drill holes, RYC001 and RYC002 (Section 1). Drill Hole RYC001 intersected the most promising mineralized section of the drilling program.

a) RYC001: Geology and Mineralization

Hole RYC001 was collared in strongly altered hornblende feldspar porphyry and ended in finely bedded footwall volcanics (Section 1). Two substantial mineralized zones were intersected. A 31.1m section (96.82 - 128.0m) of feldspar-quartz-hornblende porphyry with 1 - 2% bluish-black sphalerite (marmatitic), 2 - 5% pyrrhotite and 1 - 2% pyrite was intersected. All mineralization occurs as blebs, aggregates and patches. The sphalerite occurs as 0.5 - 3.0mm blebs sometimes rimed by pyrite and/or pyrrhotite. Two types of pyrite have been observed in the field. One variety appears as a fine-grained dullish color occurring as rims and coatings. The other variety displays a crystalline nature. Thin section work indicates that the "dusty" variety is a secondary-type of pyrite probably formed by alteration of pyrrhotite. This mineralized section also contains a moderate component of quartz-carbonate alteration. A minor section from 102 - 107.5m contains moderate to strong sericite alteration component. The limonite/ sericite assemblage may be in part a product of acid leaching of a hypogene carbonate rich assemblage.

The second mineralized zone is 14.65m (138.35 - 153.0m) wide displaying slightly different features than the previous section. The sphalerite content has decreased to 0.1 - 0.3% combined with a general decrease in silicification. A 2.0m section, between 151 and 153m, contains narrow veins or zones of quartz - tetrahedrite(?) - arsenopyrite - pyrite and possibly later, narrow, coarsely crystalline calcite veins.

Cross section 1 outlines the possible connection between gold-zinc zone intersected in RYC001 and the anomalous zones in RC-13 (1987).

b) RYC001: Analytical Results

Analytical values received from the split core samples in RYC001 were lower than visually anticipated. A broad low grade gold anomaly occurs from 92 to 124m containing two higher grade sections within. The higher grade sections average to 1.46 g/T Au over 5.6m (103.9 - 109.5m) and 0.92 g/T Au over 4.5m (115.5 - 120.0m). From 92 - 136.8 metres high Zn (+2000 ppm), As (+1000 ppm) and Sr (+125 ppm) geochemical values appear to surround the anomalous gold zone. The geochemically high Zn, As and Sr envelope may prove to be an effective exploration tool.

c) RYC002: Geology and Mineralization

The second hole in the Spine Zone is located approximately 140m north and topographically 40m above Hole RYC001. The entire length of the hole was drilled within the feldspar porphyry dyke system (Sections 2 and 2A).

Within the porphyry unit, sections of altered porphyry, quartz-calcite veining and intermittent sulphides were recorded. A strongly altered sericite-carbonate zone at 45 to 103m could conceivably be related to the band of sheared, intense carbonate-sericite-quartz-pyrite alteration mapped on surface.

The entire hole is weakly mineralized with 0.1 to 1% pyrrhotite/pyrite. Only one section, 148.2 to 152m, visually showed significant sulphide content. No significant amounts of sphalerite or arsenopyrite were noted in this hole.

d) RYC002: Analytical Results

The highest value in Hole RYC002 is 2.78 g/T Au over 1.0m (57 - 58m) in association with a geochemically anomalous Zn (+250 ppm) and As (+500 ppm) envelope from 50 to 63m. This anomalous section is located within a strongly altered sericite-carbonate zone. A value of 1.69 g/T Au over 1.1m at 149.6 - 150.7m was returned which may represent the upper and northern limit to the Au-Zn zone in RYC001. This gold value is associated with spotty Zn and As highs.

9.5.2 I.P. Target

Objective: Test an I.P. anomaly occurring on the western facing talus slope on line 700N. This area was tested with drill hole RYC003.

a) RYC003: Geology and Mineralization

The drill hole testing the I.P. target located northwest of the Spine Zone was collared in feldspar-quartz-hornblende porphyry and ended in andesite tuff. The subsurface exposure of feldspar-quartz-hornblende porphyry was previously unmapped. The contact between the intrusive and the volcanic package is steeply dipping to the east at 80 - 85° (Section 3). At 44.6 - 49.25m a thin

section of feldspar porphyry was intersected, probably representing an intrusive finger diverging off the main intrusive body. This intrusive spur possibly outcrops at subsurface.

Hole RYC003 was weakly mineralized with minor disseminated pyritic zones which appear to be the source of the I.P. anomaly.

b) RYC003: Analytical Results

No significant assays were returned from this hole.

9.5.3 65m Zone

Objective: Test the strongly leached/altered 65m Zone at depth near previous reverse circulation drill holes RC-10 with 0.3 g/T Au over 10.5m and RC-11 with 0.7 g/T Au over 19.5m. Diamond drill holes RYC004 and RYC005 attempted to test the above objectives.

a) RYC004: Geology and Mineralization

Hole RYC004 was collared in lapilli tuff andesite volcanics, penetrated the entire width of intrusive hornblende-feldspar porphyry in the 65m Zone and was terminated in lapilli tuff andesite volcanics (Section 4). This hole constrains the attitude of the 65m Zone which is dipping 80 - 85° westwards.

The entire hole is moderately mineralized with a minimum of 1% pyrrhotite/pyrite. Several well mineralized zones of 2 - 5% blebby pyrrhotite/pyrite are located toward the centre of the intrusion.

b) RYC004: Analytical Results

Values from RYC004 are rather poor with no samples over 1000 ppb Au. A weakly anomalous gold zone from 28.7 to 36.5m with values ranging from 200 to 600 ppb is present. Other indicator minerals such as Zn and As have low values. The geochemical high roughly corresponds to areas of higher sulphide content observed within the drill core.

c) RYC005: Geology and Mineralization

This hole had to be moved approximately 50m north and 30m west from its original site to accommodate drill site requirements. Consequently, a thicker package of volcanic rocks had to be drilled before reaching the proposed target. The volcanics are characteristically badly broken and thus make for poor drilling. The hole tightened and was abandoned at 64.6m, far short of target length. The volcanics intersected were poorly mineralized andesite crystal lithic tuff (Section 5 and 5A).

d) RYC005: Analytical Results

The crystal lithic tuffs were poorly mineralized returning no significant results.

9.5.4 75m Zone

Objectives: Test the 75m Zone at depth where previous diamond drilling returned 0.3 oz/T Au over 5 feet and reverse circulation drilling that returned 0.2 g/T over 7.5m and 0.7 g/T over 13.5m. Holes RYC006 and RYC008 were placed to test the 75m Zone.

a) RYC006: Geology and Mineralization

RYC006 was collared in hornblende-feldspar porphyry and penetrated the same rock unit to a termination depth of 169.7m (Section 6). The upper 60m of the hole is moderate to strongly altered to limonite/sericite and clay minerals. Several weak swarms of calcite veinlets were intersected at a steep to sub-parallel core angles. The veins commonly carry 1 - 2% galena, 1 - 2% pyrrhotite, 1% pyrite and traces of sphalerite. The entire hole is moderately mineralized with +1% blebby pyrrhotite and pyrite. Some zones contain sulphides up to 2.5 to 3%. A moderate component of quartz-carbonate alteration is present through most of the hole.

b) RYC006: Analytical Results

Drill Hole RYC006 contains three spotty gold anomalies. All higher values occur within larger zones of 1 - 3% sulphides. The most continuous zone is from 11 to 42.5m ranging in values between 100 - +2000 ppb gold. The two best zones within this geochemical high are 2.79 g/T Au over 0.75m (30.75 - 31.5) and 1.45 g/T Au over 2.06m (40.46 - 42.52). The gold values are associated with As values ranging from 300 - 1500 ppm and weakly anomalous Cu values. At 87.35 - 90m an intercept returned 1.66 g/T Au over 2.65m associated with As values ranging from 800 - 1100 ppm. The last intercept in this hole is at 143.5 - 149.23 returning 2.25 g/T Au over 2.73m with anomalous base metals or indicator elements. The assay results from RYC006 are ranked as the third best of the eight holes drilled. The hole was terminated in moderately mineralized hornblende-feldspar porphyry and may be open at depth.

c) RYC008: Geology and Mineralization

The entire length of diamond drill Hole RYC008 penetrated intrusive hornblende-feldspar porphyry to a depth of 148.4m (Section 7). The hornblende-feldspar rock unit is rather homogeneous throughout the length of the hole. The upper section is moderately to strongly altered by the influence of meteoric waters. Several zones, both in the upper and lower sections of the hole, are strongly altered to sericite with the plagioclase phenocrysts altered to white and green clays. Other zones are totally unaltered with fresh, pristine plagioclase phenocrysts. Weak, pervasive carbonate alteration is present throughout the entire hole as well as minor mineralized and unmineralized calcite veinlets.

Over 70% of the hole is well mineralized with pyrrhotite and pyrite. The sulphide content range in intensity with 2 - 7% pyrrhotite and 1 - 4% pyrite. Sulphides occur as irregular and discontinuous veins, semi-massive in spots, patches and blebs. Numerous areas show the formation of sooty pyrite/pyrrhotite (secondary pyrite) as rims and coating on larger sulphide blebs. Traces of chalcopyrite were observed. RYC008 contains the highest percentage of pyrrhotite/pyrite mineralization on the property.

d) RYC008: Analytical Results

The highest gold intercept of the 1988 drill program is within RYC008 as well as numerous spotty highs (Table 3). The best intersection is 5.9 g/T Au over 1.3 metres (111.7 - 113.0m). The widest, continuous intersection is 1.95 g/T Au over 4.77m (69.2 - 73.97m).

A modest gold anomaly from 69.2 to 146.9m (containing the previously mentioned higher grades), may have open end potential. Gold values in RYC008 are not mirrored by geochemical highs in Zn, As and Sr as exemplified in other holes. Rather a general relationship between higher gold values and sulphide content is seen. More specifically, the larger the component of sooty pyrite/pyrrhotite (secondary pyrite) the higher the gold grade. This may explain the seemingly erratic nature of gold values within broad, well mineralized zones.

9.5.5 Road Zone

Objectives: To test a strong gold soil geochemical anomaly, up to 2500 ppb, which occurs on a steep talus covered slope. Previous reverse circulation drilling in two short vertical holes failed to test the zone adequately. RYC007 was used to test the above objectives.

a) RYC007: Geology and Mineralization

This hole was collared in relatively unaltered hornblende-feldspar porphyry, intersected approximately 48m of andesite crystal lithic tuff and was terminated at 175.8m in hornblende-feldspar porphyry, possibly near another volcanic package

TABLE 3

RELAY CREEK

DIAMOND DRILL RESULTS SUMMARY

Zone	Hole No.	From (m)	To (m)	Interval (m)	Grade (g/T Au)
Spine	RYC001	103.9	109.5	(5.6)	1.46
Spine	RYC001	115.5	120.0	(4.5)	0.917
Spine	RYC001	141.5	142.5	(1.0)	1.12
Spine	RYC002	57.0	58.0	(1.0)	2.78
Spine	RYC002	149.6	150.7	(1.1)	1.69
I.P. Target	RYC003	-	-	-	-
65 M	RYC004	-	-	-	-
65 M	RYC005	-	-	-	-
75 M	RYC006	30.75	31.5	(0.75)	2.79
75 M	RYC006	31.5	36.0	(4.5)	0.4
75 M	RYC006	36.0	40.46	(4.46)	0.6
75 M	RYC006	40.46	42.52	(2.06)	1.45
75 M	RYC006	87.35	90.0	(2.65)	1.66
75 M	RYC006	146.5	149.23	(2.73)	2.24
75 M	RYC008	26.7	28.0	(1.3)	2.5
75 M	RYC008	32.85	34.0	(1.15)	1.3
75 M	RYC008	69.2	70.9	(4.77)	1.95
75 M	RYC008	83.0	84.0	(1.0)	1.78
75 M	RYC008	111.7	113.0	(1.3)	5.9
75 M	RYC008	119.75	120.75	(1.0)	1.12
75 M	RYC008	145.4	146.9	(1.5)	2.5
Road	RYC007	-	-	-	-

* Complete 30 element I.C.P. results are found in Appendix I.

(Section 8). Over 80% of the hornblende-feldspar porphyry appears relatively fresh and unaltered with excellently preserved white to grey feldspar crystals and subhedral hornblende crystals. A weak, pervasive carbonate alteration is present in most sections; occasional zones are moderately to strongly sericitized. Andesitic crystal lithic tuff was intersected at 78.8m. The upper intrusive/ volcanic contact is poorly preserved but several sections within the volcanic package indicate core bedding angles 35 to 60 degrees. The lower volcanic/intrusive contact at 127.7m is well preserved with a contact angle of 45°. A thin hornfels alteration envelope 1 - 3cm wide is present at the contact. The contact and bedding angles combined with surface mapping of the volcanic package give good control on the orientation of the volcanic package.

The lower section of hornblende-feldspar porphyry has a higher sulphide content (1 - 2.5% po, 0.3 - 1% py) and moderate to strong pervasive carbonate component.

b) RYC007: Analytical Results

Overall results from RYC007 were rather low. Weakly anomalous spotty gold highs of 100 - 500 ppm associated with similar spotty highs of Zn and As are found.

11.0 STATEMENT OF QUALIFICATIONS

I, Keenan Dom, of 404 - 1705 West 10th Avenue, Vancouver, B.C. 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

10.0 CONCLUSION

The 1988 diamond drilling confirmed the presence of low grade gold values in altered and unaltered hornblende-feldspar porphyry dikes on the Relay Creek Property.

Diamond drill holes RYC001, RYC006 and RYC008 produced the best results. The best intersections include 1.46 g/T Au over 5.6m in RYC001, 2.24 g/T Au over 2.73m in RYC006 and 1.95 g/T Au over 4.77m and 5.9 g/T over 1.3m in RYC008. The dominant blebly pyrite, pyrrhotite and sphalerite mineralization appears to be of primary magmatic or late-stage deuteric origin. This may define a Au-Zn porphyry system. Within the feldspar-porphyry at the Spine Zone, mineralization seems to parallel the contact between volcanic and intrusive rocks possibly reflecting zonation with the dike. Mineralization within the 1988 diamond drill holes does not appear to be shear hosted.

Gold values are sporadically found throughout zones of higher sulphide content. The higher gold values within sulphide zones seem to be partially related to fine-grain "dusty" secondary pyrite.

Late alteration is predominantly influenced by surfical meteoric waters. Early alteration components are pervasive carbonate and variable moderate to strong secondary sericite. Gold values do not appear to be affected by supergene enrichment.

12.0 REFERENCES

Dawson, J.M., 1980
Geochemical Report on the Dash Creek Property (for Barrier Reef Resources)

Dawson, J.M., 1981
Geological and Geochemical Report on the Relay Creek Property (for Barrier Reef Resources)

Dawson, J.M., 1981
Geological and Geochemical Report on the Dash Creek Property (for Barrier Reef Resources)

Dawson, J.M., 1981
Geological and Geochemical Report on the Relay Claims (for Barrier Reef Resources)

Dawson, J.M., 1982
Geological, Geochemical, Geophysical and Drilling Report on the Relay Creek Property (for Barrier Reef Resources)

Harris, M., 1980
Hydrothermal alteration at the Salave Gold Prospect, northwest Spain, Inst. of Min. and Metal, February 1980.

Marsden, H.W., 1986
Compilation Report on the Relay Claim Group for Esso Resources Canada Limited

Melnyk, W.D., 1988
1987 Summary Report on the Relay Creek Project, Esso Minerals Canada

Sampling and Analytical Methods

Core samples were mechanically split with half the sample returned to the core box and half the sample collected in a four mill plastic bag and sent to the lab. A total 745 samples were collected.

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 rock samples was analyzed by leach/AA from a 10 gram sample.

APPENDIX I

DIAMOND DRILL HOLE ANALYTICAL DATA

RYC001: Sample Numbers

Sample Interval (M)		Width (M)	Sample No.
0000	0518	52	4200
0518	0750	23	4201
0750	0800	05	4202
0800	0900	10	4203
0900	1050	15	4204
1050	1200	15	4205
1200	1375	18	4206
1375	1585	21	4207
1585	1750	16	4208
1750	1900	15	4209
1900	2050	15	4210
2050	2150	15	4211
2150	2350	20	4212
2350	2500	15	4213
2500	2650	15	4214
2650	2800	15	4215
2800	2950	15	4216
2950	2975	03	4217
2975	3250	27	4218
3250	3410	16	4219
3410	3550	14	4220
3550	3700	15	4221
3700	3850	15	4222
3850	3965	12	4223
3965	4175	21	4224
4175	4350	17	4225
4350	4500	15	4226
4500	4650	15	4227
4650	4700	05	4228
4700	4800	10	4229
4800	4950	15	4230
4950	5030	08	4231
5030	5300	27	4232
5300	5450	15	4233
5450	5600	15	4234
5600	5750	15	4235
5750	5900	15	4236
5900	6050	15	4237
6050	6190	14	4238
6190	6300	11	4239
6300	6400	10	4240
6400	6600	20	4241
6600	6800	20	4242
6800	6850	05	4243
6850	7090	24	4244
7090	7200	11	4245
7200	7350	15	4246
7350	7500	15	4247
7500	7700	20	4248
7700	7850	15	4249
7850	8000	15	4250
8000	8150	15	4251
8150	8250	10	4252
8250	8400	15	4253
8400	8575	18	4254
8575	8650	07	4255
8650	8750	10	4256
8750	8900	15	4257
8900	9050	15	4258
9050	9200	15	4259
9200	9350	15	4260
9350	9500	15	4261
9500	9682	18	4262
9682	9800	12	4263
9800	9900	10	4264
9900	10000	10	4265
10000	10100	10	4266
10100	10200	10	4267
10200	10390	19	4268
10390	10535	15	4269
10535	10755	22	4270
10755	10850	09	4271
10850	10950	10	4272
10950	11050	10	4273
11050	11150	10	4274
11150	11250	10	4275
11250	11350	10	4276
11350	11450	10	4277
11450	11550	10	4278
11550	11650	10	4279
11650	11750	10	4280
11750	11800	05	4281
11800	11850	05	4282
11850	11900	05	4283
11900	12000	10	4284
12000	12100	10	4285
12100	12200	10	4286
12200	12300	10	4287
12300	12400	10	4288
12400	12500	10	4289
12500	12600	10	4290
12600	12700	10	4291
12700	12800	10	4292
12800	12950	15	4293
12950	13100	15	4294
13100	13250	15	4295
13250	13400	15	4296
13400	13500	10	4297
13500	13565	07	4298
13565	13585	02	4299
13685	13835	15	4300
13835	13950	11	4301
13950	14050	10	4302
14050	14150	10	4303
14150	14250	10	4304
14250	14350	10	4305
14350	14450	10	4306
14450	14550	10	4307
14550	14650	10	4308
14650	14750	10	4309
14750	14850	10	4310
14850	14950	10	4311
14950	15050	10	4312
15050	15100	05	4313
15100	15150	05	4314
15150	15200	05	4315
15200	15250	05	4316
15250	15300	05	4317
15300	15400	10	4318
15400	15600	20	4319
15600	15758	16	4320
15758	15900	14	4321
15900	16000	10	4322
16000	16200	20	4323
16200	16367	17	4324

RYC002: Sample Numbers

Sample Interval (M)		Width (M)	Sample No.
0000	0037		NA
0037	0200	16	4069
0200	0365	17	4070
0365	0670	30	4071
0670	0820	15	4072
0820	1250	43	4073
1250	1580	33	4074
1580	1765	11	4075
1765	1845	08	4076
1845	1890	04	4077
1890	2045	15	4078
2045	2190	14	4079
2190	2340	15	4080
2340	2410	07	4081
2410	2500	09	4082
2500	2600	10	4083
2600	2680	08	4084
2680	2820	14	4085
2820	2875	06	4086
2875	2990	11	4087
2990	3110	12	4088
3110	3195	09	4089
3195	3275	08	4090
3275	3300	03	4091
3300	3450	15	4092
3450	3570	12	4093
3570	3620	05	4094
3620	3730	11	4095
3730	3840	11	4096
3840	3990	15	4097
3990	4100	11	4098
4100	4330	23	4099
4330	4480	15	4100
4480	4630	15	4101
4630	4790	16	4102
4790	4900	11	4103
4900	5000	10	4104
5000	5090	09	4105
5090	5190	10	4106
5190	5335	15	4107
5335	5480	14	4108
5480	5600	12	4109
5600	5700	10	4110
5700	5800	10	4111
5800	5900	10	4112
5900	6020	12	4113
6020	6190	17	4114
6190	6310	12	4115
6310	6370	06	4116
6370	6490	12	4117
6490	6560	07	4118
6560	6610	05	4119
6610	6670	06	4120
6670	6790	12	4121
6790	6920	13	4122
6920	7010	09	4123
7010	7130	12	4124
7130	7180	05	4125
7180	7350	17	4126
7350	7460	11	4127
7460	7560	10	4128
7560	7710	15	4129
7710	7860	05	4130
7860	7940	08	4131
7940	8090	15	4132
8090	8200	11	4133
8200	8350	15	4134
8380	8440	06	4135
8440	8570	13	4136
8570	8650	08	4137
8650	8750	10	4138
8750	8940	19	4139
8940	9050	11	4140
9050	9080	03	4141
9080	9290	21	4142
9290	9360	07	4143
9360	9520	16	4144
9520	9660	14	4145
9660	9820	16	4146
9820	9970	15	4147
9970	10080	11	4148
10080	10210	13	4149
10210	10370	16	4150
10370	10500	13	4151
10500	10580	08	4152
10580	10700	12	4153
10700	10850	15	4154
10850	10970	12	4155
10970	11130	16	4156
11130	11250	12	4157
11250	11350	10	4158
11350	11460	11	4159
11460	11550	09	4160
11550	11700	15	4161
11700	11850	15	4162
11850	12010	16	4163
12010	12150	14	4164
12150	12310	16	4165
12310	12460	15	4166
12460	12600	14	4167
12600	12740	14	4168
12740	12800	06	4169
12800	12900	10	4170
12900	13050	15	4171
13050	13200	15	4172
13200	13350	15	4173
13350	13500	15	4174
13500	13650	15	4175
13650	13720	07	4176
13720	13800	08	4177
13800	13930	13	4178
13930	14080	15	4179
14080	14230	15	4180
14230	14390	16	4181
14390	14530	14	4182
14530	14660	13	4183
14660	14740	08	4184
14740	14840	10	4185
14840	14960	12	4186
14960	15070	11	4187
15070	15200	13	4188
15200	15300	10	4189
15300	15450	15	4190
15450	15700	25	4191
15700	15760	06	4192
15760	15940	18	4193
15940	16060	12	4194
16060	16220	16	4195
16220	16360	14	4196
16360	16510	15	4197
16510	16670	16	4198
16670	16920	15	4199

RYC003: Sample Numbers

Sample Interval (M)		Width (M)	Sample No.
0000	0240		NA
0240	0365	12	4001
0365	0548	09	4002
0548	0670	12	4003
0670	0820	15	4004
0820	0860	04	4005
0860	0945	18	4006
0945	1130	19	4007
1130	1280	15	4008
1280	1585	30	4009
1585	1890	30	4010
1890	2200	31	4011
2200	2440	24	4012
2440	2460	02	4013
2460	2530	05	4014
2530	2560	13	4015
2560	2680	12	4016
2680	2800	12	4017
2800	2900	10	4018
2900	3110	11	4019
3110	3410	30	4020
3410	3570	16	4021
3570	3720	15	4022
3720	3810	09	4023
3810	3900	09	4024
3900	4050	15	4025
4050	4220	17	4026
4220	4285	06	4027
4285	4355	07	4028
4355	4460	11	4029
4460	4540	08	4030
4540	4660	12	4031
4660	4725	06	4032
4725	4800	08	4033
4800	4885	08	4034
4885	4925	04	4035
4925	5005	08	4036
5005	5120	12	4037
5120	5300	18	4038
5300	5395	09	4039
5395	5550	16	4040
5550	5700	15	4041
5700	5850	15	4042
5850	6000	15	4043
6000	6100	10	4044
6100	6200	10	4045
6200	6300	10	4046
6300	6450	15	4047
6450	6600	15	4048
6600	6700	10	4049
6700	6800	10	4050
6800	7070	27	4051
7070	7205	13	4052
7205	7310	11	4053
7310	7360	05	4054
7360	7495	14	4055
7495	7681	18	4056
7681	7781	10	4057
7781	7850	07	4058
7850	8000	15	4059
8000	8150	15	4060
8150	8300	15	4061
8300	8450	15	4062
8450	8636	19	4063
8636	8686	05	4064
8686	8800	11	4065
8800	8925	12	4066
8925	9050	13	4067
9050	9265	19	4068

RYC004 and RYC005: Sample Numbers

Sample Interval (M)		Width (M)	Sample No.
0000	1349		NA
1340	1400	06	4333
1400	1500	10	4334
1500	1670	17	4335
1670	1795	12	4336
1795	1940	14	4337
1940	2000	06	4338
2000	2170	17	4339
2170	2230	06	4340
2230	2410	18	4341
2410	2550	14	4342
2550	2690	14	4343
2690	2770	08	4344
2770	2870	10	4345
2870	3000	13	4346
3000	3150	15	4347
3150	3300	15	4348
3300	3380	08	4349
3380	3550	17	4350
3550	3650	10	4351
3650	3770	12	4352
3770	3870	10	4353
3870	4000	13	4354
4000	4100	10	4355
4100	4200	10	4356
4200	4300	10	4357
4300	4400	10	4358
4400	4500	10	4359
4500	4600	10	4360
4600	4700	10	4361
4700	4800	10	4362
4800	4900	10	4363
4900	5000	10	4364
5000	5090	09	4365
5090	5200	11	4366
5200	5300	10	4367
5300	5400	10	4368
5400	5550	15	4369
5550	5700	15	4370
5700	5850	15	4371
5850	6000	15	4372
6000	6160	16	4373
6160	6300	14	4374
6300	6360	06	4375
6360	6470	11	4376
6470	6555	08	4377
6555	6700	15	4378
6700	6800	10	4379
6800	6952	15	4380
6952	7100	15	4381
7100	7250	15	4382
7250	7400	15	4383
7400	7475	08	4384
7475	7556	08	4385
7556	7700	14	4386
7700	7850	15	4387
7850	8000	15	4388
8000	8150	15	4389
8150	8250	10	4390
8250	8340	09	4391
8340	8440	10	4392
8440	8550	11	4393
9050	9150	10	4394
9460	9500	04	4395

RYC005

Sample Interval (M)		Width (M)	Sample No.
0000	0600		
0600	0800	20	4325
0800	1200		
1200	1350	15	4326
1350	2950		
2950	3150	20	4327
3150	3775		
3775	3875	10	4328
3875	3945	05	4329
3945	4025	08	4330
4025	5800		
5800	5900	10	4331
5900	6310		
6310	6460	15	4332

RYC006: Sample Numbers

Sample Interval (M)		Width (M)	Sample No.
0000	0122		NA
0122	0300	18	4396
0300	0400	10	4397
0400	0540	14	4398
0540	0670	13	4399
0670	0800	13	4400
0800	0975	18	4401
0975	1125	15	4402
1125	1280	15	4403
1280	1425	15	4404
1425	1585	16	4405
1585	1700	12	4406
1700	1830	13	4407
1830	1890	06	4408
1890	1960	07	4409
1960	2050	09	4410
2050	2145	10	4411
2145	2213	07	4412
2213	2340	13	4413
2340	2500	16	4414
2500	2635	13	4415
2635	2700	07	4416
2700	2800	10	4417
2800	2900	10	4418
2900	3000	10	4419
3000	3075	07	4420
3075	3150	08	4421
3150	3240	09	4422
3240	3360	12	4423
3360	3432	07	4424
3432	3500	07	4425
3500	3600	10	4426
3600	3700	10	4427
3700	3820	12	4428
3820	3855	04	4429
3855	4046	19	4430
4046	4180	13	4431
4180	4252	07	4432
4252	4400	15	4433
4400	4450	15	4434
4450	4600	15	4435
4600	4750	15	4436
4750	4900	15	4437
4900	5040	14	4438
5040	5140	10	4439
5140	5233	09	4440
5233	5328	10	4441
5328	5540	11	4442
5540	5622	08	4443
5622	5722	10	4444
5722	5852	13	4445
5852	6000	15	4446
6000	6152	15	4447
6152	6302	15	4448
6302	6422	12	4449
6422	6472	05	4450
6472	6542	07	4451
6542	6614	07	4452
6614	6675	06	4453
6675	6762	09	4454
6762	6967	20	4455
6967	7020	05	4456
7020	7100	08	4457
7100	7225	12	4458
7225	7367	15	4459
7367	7500	13	4460
7500	7646	14	4461
7646	7800	15	4462
7800	7900	10	4463
7900	8100	10	4464
8100	8180	08	4465
8180	8230	05	4466
8230	8350	13	4467
8350	8425	07	4468
8425	8520	09	4469
8520	8570	15	4470
8570	8735	16	4471
8735	8878	15	4472
8878	9000	13	4473
9000	9108	11	4474
9108	9220	11	4475
9220	9320	10	4476
9320	9420	10	4477
9420	9500	08	4478
9500	9590	09	4479
9590	9640	05	4480
9640	9750	11	4481
9750	9967	21	4482
9967	10050	08	4483
10050	10170	12	4484
10170	10246	08	4485
10246	10350	08	4486
10350	10500	15	4487
10500	10600	10	4488
10600	10725	12	4489
10725	10880	16	4490
10880	11003	15	4491
11003	11150	15	4492
11150	11300	15	4493
11300	11450	15	4494
11450	11547	10	4495
11547	11647	10	4496
11647	11747	10	4497
11747	11900	15	4498
11900	12050	15	4499
12050	12200	15	4500
12200	12334	13	4501
12334	12470	14	4502
12470	12600	13	4503
12600	12693	09	4504
12693	12800	11	4505
12800	12908	11	4506
12908	13000	09	4507
13000	13090	09	4508
13090	13250	16	4509
13250	13400	15	4510
13400	13550	15	4511
13550	13693	14	4512
13693	13850	16	4513
13850	14000	15	4514
14000	14128	13	4515
14128	14184	05	4516
14184	14300	05	4517
14300	14425	12	4518
14425	14505	08	4519
14505	14650	15	4520
14650	14923	27	4521
14923	14965	05	4522
14965	15055	10	4523
15055	15200	15	4524
15200	15350	15	4525
15350	15500	15	4526
15500	15650	10	4527
15650	15750	10	4528
15750	15850	10	4529
15850	15950	10	4530
15950	16050	10	4531
16050	16150	10	4532
16150	16300	15	4533
16300	16450	15	4534
16450	16600	15	4535
16600	16750	15	4536
16750	16933	18	4537
16933	16977	05	4538

RYC007: Sample Numbers

Sample Interval (M)		Width (M)	Sample No.
0000	0122		NA
0122	0222	10	4539
0222	0365		
0365	0465	10	4540
0465	0670		
0670	0770	10	4541
0770	0975		
0975	1075	10	4542
1075	1280		
1280	1380	10	4543
1380	1585		
1585	1685	10	4544
1685	1890		
1890	1990	10	4545
1990	2090	10	4546
2090	2190	10	4547
2190	2250	06	4548
2250	2400	15	4549
2400	2550	15	4550
2550	2700	15	4551
2700	2800	10	4552
2800	2900	10	4553
2900	3000	10	4554
3000	3110.	11	4555
3110	3250	14	4556
3250	3380	13	4557
3380	3458	08	4558
3458	3600	14	4559
3600	3871		
3871	3971	10	4560
3971	4175		
4175	4275	10	4561
4275	4480		
4480	4580	10	4562
4580	4785		
4785	4885	10	4563
4885	5090		
5090	5190	10	4564
5190	5295		
5295	5395	10	4565
5395	5700		
5700	5800	10	4566
5800	6000		
6000	6100	10	4567
6100	6310		
6310	6410	10	4568
6410	6615	20	4569
6615	6715	10	4570
6715	6920		
6920	7020	10	4571
7020	7223		
7223	7323	10	4572
7323	7620		
7620	7780	16	4573
7780	7880	10	4574
7880	8138	26	4575
8138	8288	16	4576
8288	8750		
8750	8900	15	4577
8900	9662		
9662	9762	10	4578
9762	10700		
10700	10800	10	4579
10800	10900	10	4580
10900	11390		
11390	11490	10	4581
11490	11795		
11795	11895	10	4582
11895	12300		
12300	12400	10	4583
12400	12700		
12700	12772	08	4584
12772	12822	05	4585
12822	12922	10	4586
12922	13015	09	4587
13015	13115	10	4588
13115	13215	10	4589
13215	13315	10	4590
13315	13420	10	4591
13420	13500	08	4592
13500	13600	10	4593
13600	13750	15	4594
13750	13900	15	4595
13900	14050	15	4596
14050	14200	15	4597
14200	14350	15	4598
14350	14500	15	4599
14500	14650	15	4600
14650	14800	15	4601
14800	14950	15	4602
14950	15100	15	4603
15100	15200	10	4604
15200	15350	15	4605
15350	15500	15	4606
15500	15650	15	4607
15650	15800	15	4608
15800	15950	15	4609
15950	16100	15	4610
16100	16250	15	4611
16250	16400	15	4612
16400	16550	15	4613
16550	16700	15	4614
16700	16800	10	4615
16800	16900	10	4616
16900	17050	15	4617
17050	17200	15	4618
17200	17350	15	4619
17350	17450	10	4620
17450	17569	12	4621

RYC008: Sample Numbers

Sample Interval (M)		Width (M)	Sample No.
0000	0426		
0426	0670	24	4622
0670	0950	18	4623
0950	1280	43	4624
1280	1420	14	4625
1420	1585	16	4626
1585	1745	16	4627
1745	1850	12	4628
1850	2050	20	4629
2050	2200	15	4630
2200	2400	20	4631
2400	2500	10	4632
2500	2670	17	4633
2670	2800	13	4634
2800	2950	15	4635
2950	3110	16	4636
3110	3200	09	4637
3200	3285	08	4638
3285	3400	12	4639
3400	3550	15	4640
3550	3700	15	4641
3700	3825	12	4642
3825	3950	13	4643
3950	4075	12	4644
4075	4170	14	4645
4170	4300	13	4646
4300	4450	15	4647
4450	4600	15	4648
4600	4700	10	4649
4700	4800	10	4650
4800	4900	10	4651
4900	5000	10	4652
5000	5100	10	4653
5100	5225	12	4654
5225	5350	13	4655
5350	5500	15	4656
5500	5625	12	4657
5625	5750	13	4658
5750	5850	10	4659
5850	6000	15	4660
6000	6150	15	4661
6150	6300	15	4662
6300	6455	15	4663
6455	6614	16	4664
6614	6820	21	4665
6820	6920	10	4666
6920	7090	17	4667
7090	7200	11	4668
7200	7325	12	4669
7325	7397	08	4670
7397	7500	10	4671
7500	7550	05	4672
7550	7660	11	4673
7660	7800	14	4674
7800	7900	10	4675
7900	8000	10	4676
8000	8100	10	4677
8100	8200	10	4678
8200	8300	10	4679
8300	8400	10	4680
8400	8500	10	4681
8500	8600	10	4682
8600	8700	10	4683
8700	8780	08	4684
8780	8860	08	4685
8860	9000	14	4686
9000	9100	10	4687
9100	9200	10	4688
9200	9300	10	4689
9300	9400	10	4690
9400	9500	10	4691
9500	9600	10	4692
9600	9710	11	4693
9710	9800	09	4694
9800	9900	10	4695
9900	10030	13	4696
10030	10170	14	4697
10170	10270	10	4698
10270	10370	10	4699
10370	10470	10	4700
10470	10570	10	4701
10570	10670	10	4702
10670	10770	10	4703
10770	10870	10	4704
10870	10970	10	4705
10970	11070	10	4706
11070	11170	10	4707
11170	11250	08	4708
11250	11300	05	4709
11300	11400	10	4710
11400	11500	10	4711
11500	11580	08	4712
11580	11675	09	4713
11675	11775	10	4714
11775	11875	10	4715
11875	11975	10	4716
11975	12075	10	4717
12075	12175	10	4718
12175	12240	07	4719
12240	12370	13	4720
12370	12470	10	4721
12470	12570	10	4722
12570	12670	10	4723
12670	12815	14	4724
12815	12900	09	4725
12900	13000	10	4726
13000	13100	10	4727
13100	13200	10	4728
13200	13300	10	4729
13300	13400	10	4730
13400	13540	14	4731
13540	13640	10	4732
13640	13720	08	4733
13720	13800	08	4734
13800	13850	05	4735
13850	13930	08	4736
13930	14030	10	4737
14030	14130	10	4738
14130	14234	10	4739
14234	14305	07	4740
14305	14400	05	4741
14400	14540	14	4742
14540	14690	15	4743
14690	14740	05	4744
14740	14840	10	4745

FILE COPY

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 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: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

88.07.21

DATE RECEIVED: JULY 15 1988 DATE REPORT MAILED: July 19/88 ASSAYER. C. Leong .D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

ESSO MINERALS CANADA LTD. PROJECT-116 File # 88-2710

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
E 104001	2	72	16088	50	37.2	99	23	404	3.78	40	5	ND	2	85	3	14	75	78	2.35	.049	4	191	1.86	67	.05	5	2.28	.08	.12	1	28
E 104002	1	42	61	53	.2	55	13	401	3.19	15	5	ND	3	47	1	2	3	67	.98	.059	6	86	1.53	133	.03	6	1.55	.09	.10	2	18
E 104003	1	49	2692	40	6.9	52	10	235	2.73	6	7	ND	3	42	1	5	10	71	.62	.059	5	95	1.62	64	.04	10	1.51	.11	.18	1	115
E 104004	1	90	35	30	.3	32	8	154	2.38	4	5	ND	4	40	1	2	2	66	.34	.058	4	32	1.15	16	.02	5	1.19	.08	.05	1	1
E 104005	1	121	921	35	2.5	41	14	296	2.90	2	5	ND	3	27	1	2	2	70	.71	.064	4	29	1.27	9	.03	8	1.21	.07	.03	1	1
E 104006	1	69	18	35	.1	43	11	258	2.63	4	5	ND	4	23	1	2	2	69	.31	.061	4	33	1.12	13	.03	6	1.21	.07	.04	1	1
STD C	17	56	39	124	7.1	64	27	979	3.75	43	22	6	36	44	17	18	20	53	.44	.083	37	56	.85	168	.05	35	1.71	.06	.14	13	-
E 104007	1	68	275	29	.8	30	10	191	2.63	3	5	ND	3	27	1	2	3	67	.37	.060	3	28	1.11	11	.02	5	1.12	.07	.03	2	1
E 104008	1	85	14	29	.2	26	9	172	2.60	4	5	ND	3	23	1	2	2	68	.32	.060	3	30	1.15	11	.04	9	1.12	.08	.05	3	5
E 104009	1	131	172	24	.5	18	6	129	2.65	2	5	ND	3	28	1	2	2	67	.30	.057	3	27	1.16	9	.04	9	1.11	.06	.03	1	18
E 104010	1	215	15	41	.3	42	11	143	2.63	3	5	ND	4	60	1	2	2	70	.62	.063	3	43	1.38	28	.05	7	1.46	.08	.08	1	29
RE E 104014	1	100	7	25	.1	212	30	149	2.63	2	5	ND	3	111	1	2	2	74	1.06	.046	3	143	2.35	127	.08	2	2.66	.20	.52	1	1
E 104011	1	145	72	22	.2	150	24	124	2.49	2	5	ND	3	237	1	2	2	58	2.01	.053	2	142	1.77	83	.07	6	3.59	.19	.36	1	1
E 104012	1	102	11	28	.1	163	26	120	2.83	2	5	ND	3	110	1	2	2	95	1.11	.048	3	144	2.51	178	.09	3	2.99	.22	.85	1	1
E 104013	1	29	89	28	.1	25	7	128	2.47	3	5	ND	4	32	1	2	2	69	.31	.062	3	28	1.14	11	.03	5	1.15	.06	.04	1	1
E 104014	1	102	11	25	.1	215	30	152	2.64	4	5	ND	4	110	1	2	2	74	1.05	.047	3	143	2.34	126	.08	2	2.65	.21	.53	1	1
E 104015	1	25	52	30	.1	49	12	170	2.80	4	5	ND	4	30	1	2	2	70	.49	.061	3	48	1.58	29	.05	7	1.40	.07	.09	1	2
E 104016	1	74	8	24	.1	201	27	150	2.55	2	5	ND	4	119	1	2	2	70	1.10	.047	4	150	2.16	118	.08	3	2.60	.21	.44	1	1
E 104017	1	106	30	26	.1	321	35	166	3.20	2	5	ND	5	170	1	2	2	71	1.54	.045	3	167	2.71	97	.07	2	3.58	.25	.47	1	1
E 104018	1	81	6	26	.1	213	28	157	2.87	2	5	ND	4	123	1	2	2	90	1.06	.048	3	147	2.60	194	.09	2	2.96	.27	.79	1	1
E 104019	1	130	24	28	.1	214	35	166	3.86	2	5	ND	4	138	1	2	2	79	1.22	.046	3	163	2.43	80	.08	3	2.91	.24	.42	2	2
E 104020	1	132	8	27	.1	199	29	189	3.12	6	5	ND	4	132	1	2	2	78	1.20	.052	3	129	2.32	120	.08	6	2.88	.21	.39	1	5
E 104021	1	83	44	24	.2	187	29	166	2.91	5	5	ND	5	148	1	2	2	74	1.33	.051	3	155	2.36	107	.07	4	3.10	.23	.52	2	1
E-104022	1	117	9	24	.1	240	28	153	2.99	2	5	ND	4	140	1	2	2	66	1.19	.046	3	151	2.31	90	.07	3	2.81	.22	.42	1	1
E 104023	2	93	20	21	.1	212	33	176	2.98	2	5	ND	4	111	1	2	3	69	1.25	.046	3	149	2.05	81	.07	4	2.57	.21	.38	2	3
E 104024	1	112	8	25	.1	180	19	154	2.71	2	5	ND	4	134	1	2	2	76	1.28	.055	3	159	2.01	117	.08	6	2.91	.26	.54	1	2
E 104025	1	95	17	33	.1	187	24	157	3.01	2	5	ND	4	146	1	2	2	77	1.79	.053	3	188	2.43	77	.07	5	3.60	.28	.42	2	4
STD C/AU-R	18	57	40	132	6.8	67	28	1052	3.99	42	24	7	38	49	17	16	20	57	.48	.087	39	56	.90	174	.06	39	1.86	.06	.14	12	510

FILE COPY

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

GEOCHEMICAL ANALYSIS CERTIFICATE

OCT 17 1988

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: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: OCT 7 1988 DATE REPORT MAILED: Oct 14/88 SIGNED BY. C. Leong .D.TOYE, C.LEONG, B.CHAN, J.WANG; CERTIFIED B.C. ASSAYERS

ESSO MINERALS CANADA LTD. PROJECT 116 File # 88-5083 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
E 104026	3	116	2	25	.1	210	37	125	3.83	6	5	ND	1	172	1	2	2	67	2.63	.057	2	167	2.00	64	.08	2	4.23	.25	.84	1	3
E 104027	6	120	11	22	.2	211	30	112	4.02	10	5	ND	1	159	1	6	2	55	2.74	.058	2	168	1.66	41	.08	2	4.04	.23	.29	1	4
E 104028	7	278	8	23	.4	207	39	113	6.13	9	6	ND	1	147	2	6	2	47	2.25	.055	2	145	1.35	48	.07	2	3.29	.23	.29	1	20
E 104029	3	160	8	25	.4	204	40	131	3.73	9	5	ND	1	142	1	2	2	65	2.03	.059	3	199	2.29	73	.08	2	3.55	.22	.46	1	9
E 104030	1	229	7	33	.4	115	25	312	3.29	7	5	ND	1	99	1	4	3	83	1.56	.072	3	107	2.08	68	.07	3	2.25	.14	.33	2	1
E 104031	1	89	6	16	.2	33	16	104	3.72	8	5	ND	1	44	1	2	2	60	1.48	.069	3	47	1.53	16	.01	4	1.45	.06	.09	1	1
E 104032	5	119	10	15	.2	29	14	104	3.21	2	5	ND	1	47	1	2	2	58	1.68	.069	3	48	1.52	19	.01	5	1.39	.04	.11	1	1
E 104033	11	72	5	15	.3	24	18	88	4.43	8	5	ND	1	30	1	2	2	58	1.11	.068	2	39	1.54	15	.01	6	1.36	.04	.09	1	2
E 104034	8	312	4	22	.6	24	20	87	3.99	4	5	ND	1	32	1	2	2	60	1.13	.071	3	53	1.59	16	.01	5	1.37	.04	.09	1	1
E 104035	8	484	7	29	.8	63	17	127	2.73	3	5	ND	1	55	1	2	3	68	1.30	.067	2	107	1.86	34	.02	3	1.95	.09	.17	2	6
E 104036	12	300	9	37	.6	184	22	209	4.73	12	5	ND	1	170	1	7	2	64	2.40	.057	2	246	1.89	46	.07	2	3.61	.23	.15	1	15
RE E 104041	1	60	5	37	.3	186	21	171	3.19	8	5	ND	1	137	1	3	2	88	1.35	.060	4	225	2.81	274	.11	3	3.15	.24	1.48	2	1
E 104037	1	196	8	27	.4	167	19	136	2.94	4	5	ND	1	139	2	4	2	76	2.07	.062	3	229	2.16	131	.10	5	3.87	.31	1.11	1	6
E 104038	1	137	10	26	.2	210	25	148	3.27	6	5	ND	1	162	1	3	2	72	1.70	.057	2	229	2.44	112	.09	3	3.31	.22	.86	2	1
E 104039	1	167	6	27	.3	225	23	153	3.59	9	5	ND	1	144	1	6	2	65	1.74	.057	2	176	2.59	112	.09	2	3.22	.20	.55	1	1
E 104040	1	83	9	31	.1	206	26	144	3.08	2	5	ND	1	140	1	2	2	78	1.47	.059	3	191	2.62	217	.09	2	3.30	.22	1.11	1	1
E 104041	1	58	5	37	.3	185	20	167	3.17	6	5	ND	2	133	1	4	2	87	1.32	.060	4	222	2.79	282	.10	2	3.08	.23	1.49	2	2
E 104042	1	110	10	29	.3	212	34	205	4.18	8	6	ND	2	161	1	2	2	70	1.96	.054	2	202	2.39	84	.07	2	3.31	.27	.33	1	1
E 104043	1	91	9	30	.4	194	28	178	3.37	4	6	ND	2	155	2	2	2	76	1.83	.057	3	199	2.49	155	.10	4	3.51	.27	.98	1	1
E 104044	1	102	7	32	.2	159	33	185	5.56	4	5	ND	1	176	1	2	2	100	1.83	.061	3	199	2.23	48	.12	2	3.12	.29	.99	1	2
E 104045	1	103	8	32	.3	182	27	246	3.82	4	5	ND	2	153	1	2	2	94	1.98	.061	4	199	2.59	173	.11	3	3.30	.28	1.02	1	5
E 104046	1	98	4	34	.2	163	32	188	3.70	6	5	ND	2	143	1	3	2	98	1.69	.062	4	205	2.66	298	.12	2	3.42	.28	1.50	1	2
E 104047	1	76	10	32	.2	202	26	289	3.24	8	5	ND	2	157	1	3	2	88	2.30	.058	4	210	2.54	229	.11	2	3.22	.27	1.17	2	1
E 104048	1	105	17	30	.3	226	29	230	3.89	8	5	ND	2	188	2	3	2	74	2.32	.059	3	221	2.55	161	.09	3	3.92	.34	1.02	1	2
E 104049	2	184	8	26	.4	235	35	235	4.69	6	7	ND	2	223	3	7	2	72	2.96	.057	3	209	2.41	90	.08	6	4.21	.32	.63	2	4
E 104050	9	345	10	26	.5	234	46	252	5.80	7	8	ND	2	192	3	7	2	83	2.84	.051	3	247	2.55	75	.08	6	3.71	.26	.71	1	1
E 104051	2	85	11	30	.3	219	34	200	3.73	4	5	ND	2	152	2	2	2	73	1.89	.056	3	224	2.61	140	.09	2	3.43	.23	1.01	1	2
E 104052	2	106	10	38	.2	183	24	216	3.47	5	5	ND	2	149	1	2	2	79	1.68	.057	3	201	2.51	258	.10	3	3.03	.24	.95	21	1
E 104053	1	160	7	28	.3	147	29	222	4.66	7	5	ND	2	119	1	2	2	91	1.49	.072	4	158	2.68	87	.15	3	2.62	.15	.44	2	1
E 104054	2	120	13	22	.4	199	22	193	3.71	6	5	ND	2	197	2	8	2	87	1.86	.060	3	208	2.45	145	.11	4	3.32	.28	.98	2	1
E 104055	1	100	11	25	.3	172	27	184	4.39	6	5	ND	3	209	2	8	4	111	1.74	.065	4	225	2.59	156	.13	3	3.71	.34	1.43	3	2
E 104056	1	142	9	30	.4	209	26	172	4.17	5	5	ND	2	203	2	2	3	95	1.83	.059	2	229	2.62	136	.10	2	3.72	.26	1.09	1	3
E 104057	1	155	2	30	.4	157	26	163	4.28	6	5	ND	2	198	1	2	2	94	1.64	.067	3	208	2.47	106	.11	2	3.21	.24	1.38	2	1
STD C	17	57	43	132	6.6	65	28	1029	3.84	42	22	8	38	45	19	20	24	55	.43	.095	38	53	.83	169	.06	33	1.74	.06	.14	11	-
E 104058	2	250	13	29	.4	161	31	204	5.00	7	5	ND	2	268	2	3	4	93	1.85	.061	3	212	2.22	79	.10	2	3.06	.25	1.17	2	1
E 104059	1	104	9	33	.4	172	26	194	4.18	3	5	ND	2	200	2	3	2	119	1.89	.064	3	213	2.75	176	.12	3	3.86	.33	1.69	2	4
E 104060	1	107	20	32	.5	168	30	313	4.76	5	7	ND	3	176	3	7	2	109	2.57	.062	3	211	2.75	125	.11	3	3.56	.26	1.37	1	1
E 104061	1	111	8	25	.2	165	28	141	3.69	3	5	ND	2	176	1	2	2	97	1.52	.062	3	215	2.21	153	.11	2	3.01	.26	1.01	1	1
STD C/AU-R	18	58	36	132	6.5	67	28	1034	3.87	41	18	8	37	47	18	16	19	56	.46	.096	38	57	.85	176	.07	33	1.79	.06	.14	11	530

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
E 104062	1	152	11	34	.1	193	27	174	4.87	4	5	ND	1	185	1	2	2	109	1.66	.055	2	211	2.83	57	.13	5	4.07	.27	1.60	1	3
E 104063	1	76	14	30	.1	202	28	153	3.90	5	5	ND	1	146	1	2	3	91	1.56	.054	2	197	2.60	96	.12	2	3.87	.26	1.62	1	1
E 104064	1	68	6	28	.1	145	22	168	3.41	6	5	ND	1	189	1	2	3	97	1.79	.056	3	199	2.40	136	.13	3	3.82	.32	1.64	1	1
E 104065	1	124	7	32	.1	185	27	229	4.82	24	5	ND	2	186	1	6	2	101	2.16	.057	3	203	2.58	64	.13	3	3.97	.29	1.37	1	1
E 104066	1	80	3	34	.1	161	24	258	4.06	2	5	ND	1	183	1	2	2	114	2.02	.058	3	190	2.60	101	.15	7	3.75	.29	1.76	1	1
E 104067	1	97	7	34	.1	196	28	218	4.15	2	5	ND	1	174	1	2	2	106	1.92	.057	3	210	2.73	92	.12	3	3.94	.27	1.37	1	2
E 104068	1	168	2	33	.1	198	38	224	5.42	3	5	ND	1	179	1	2	2	104	1.84	.056	3	204	2.53	48	.12	2	3.74	.28	1.24	1	1
STD C/AU-R	18	58	41	132	7.1	66	29	1018	3.94	38	17	7	37	47	16	16	23	58	.47	.093	38	56	.85	174	.07	33	1.90	.06	.14	12	520

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

FILE COPY

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: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

OCT 17 1988

DATE RECEIVED: OCT 7 1988 DATE REPORT MAILED: Oct 14/88 SIGNED BY. C. Leong ..D.TOYE, C.LEONG, B.CHAN, J.WANG; CERTIFIED B.C. ASSAYERS

ESSO MINERALS CANADA LTD. PROJECT 116 File # 88-5084 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
E 104069	1	36	2	95	.3	13	11	707	3.69	11	5	ND	2	52	1	2	2	80	1.41	.061	7	26	1.39	51	.02	5	1.82	.05	.06	1	26
E 104070	1	36	5	93	.2	12	11	719	3.47	9	5	ND	2	71	1	3	2	79	2.17	.061	7	21	1.24	52	.04	4	1.78	.07	.06	1	27
E 104071	1	29	2	192	.1	10	9	728	3.30	17	5	ND	3	64	1	2	2	78	3.03	.070	8	24	1.31	25	.01	2	1.78	.03	.06	1	124
E 104072	1	30	6	80	.1	12	13	831	3.81	15	5	ND	2	81	1	3	2	83	3.07	.061	8	23	1.38	30	.01	4	1.82	.04	.06	2	29
E 104073	1	23	5	383	.1	13	10	663	3.41	11	5	ND	2	65	1	2	3	78	2.60	.067	7	23	1.04	41	.01	3	1.72	.04	.05	1	34
E 104074	1	27	6	240	.2	12	10	676	3.46	7	5	ND	2	104	1	3	2	66	2.85	.064	9	14	.63	37	.01	7	.85	.04	.05	1	31
E 104075	1	20	3	67	.2	11	13	807	3.97	11	5	ND	2	105	1	2	2	78	3.02	.065	8	20	.99	43	.01	3	1.17	.04	.04	1	14
E 104076	1	19	3	96	.1	18	13	758	4.11	7	5	ND	3	108	1	2	2	75	3.54	.067	7	15	1.22	39	.01	2	.87	.01	.04	1	16
E 104077	1	50	3	131	.2	14	12	706	4.25	24	5	ND	3	168	1	2	3	58	4.09	.057	8	14	1.38	32	.01	2	.62	.02	.05	1	44
E 104078	1	52	6	570	.1	11	13	605	4.06	27	5	ND	2	140	2	4	2	65	3.18	.057	7	15	1.13	31	.01	2	.52	.02	.06	1	50
E 104079	1	27	4	146	.1	12	11	687	3.79	30	5	ND	2	108	1	3	3	66	2.91	.065	9	17	.63	34	.01	3	.68	.05	.06	1	86
E 104080	1	29	5	178	.1	14	12	641	3.78	22	5	ND	2	103	1	3	2	64	2.40	.067	9	14	.78	46	.01	3	.77	.03	.07	1	82
E 104081	1	16	2	62	.1	12	11	761	3.69	20	5	ND	2	115	1	3	2	66	3.34	.063	8	19	1.06	36	.01	4	.98	.05	.06	1	17
E 104082	1	12	3	66	.1	12	11	710	3.56	14	5	ND	2	110	1	2	2	75	3.03	.063	8	20	1.24	31	.01	4	1.63	.06	.05	1	29
E 104083	1	14	3	57	.3	11	13	821	4.03	30	5	ND	2	119	1	2	3	71	3.07	.061	9	17	.85	32	.01	3	.78	.04	.05	1	27
E 104084	1	13	4	52	.1	11	11	808	3.63	7	5	ND	2	113	1	2	2	67	3.41	.061	9	15	.66	35	.01	2	.92	.04	.05	1	6
RE E 104089	1	11	10	50	.2	12	10	782	3.76	6	5	ND	2	108	1	2	2	68	2.59	.059	8	15	1.28	31	.01	6	.53	.04	.05	1	7
E 104085	1	13	3	56	.1	14	11	833	4.04	19	5	ND	2	94	1	3	2	72	2.98	.063	9	20	.90	37	.01	3	.92	.04	.06	1	32
E 104086	1	21	3	80	.1	14	12	750	3.81	32	5	ND	2	68	1	2	2	65	2.57	.067	8	15	.96	37	.01	2	.48	.03	.08	1	51
E 104087	1	10	3	58	.1	12	13	797	3.85	10	5	ND	2	69	1	2	3	72	2.36	.062	9	19	.94	37	.01	3	.56	.03	.05	1	9
E 104088	1	13	2	241	.1	11	10	1064	4.00	23	5	ND	3	108	1	3	2	69	3.57	.058	9	21	1.13	43	.01	6	.57	.03	.07	1	20
E 104089	1	9	7	50	.1	11	11	792	3.82	6	5	ND	2	110	1	2	3	69	2.64	.064	9	15	1.30	34	.01	4	.54	.04	.05	2	5
E 104090	1	10	7	60	.1	12	10	819	3.85	37	5	ND	2	93	1	2	2	69	2.75	.061	8	23	.96	45	.01	3	.69	.04	.06	1	9
E 104091	1	9	7	44	.1	11	10	753	3.74	2	5	ND	2	100	1	3	2	76	2.83	.059	7	18	1.05	41	.02	4	1.32	.05	.05	1	12
E 104092	1	13	8	55	.3	11	11	747	3.93	8	5	ND	2	99	1	2	2	73	2.95	.060	8	24	.76	38	.01	4	1.26	.06	.06	1	13
STD C	19	60	38	133	6.9	71	32	1078	4.33	39	21	7	39	47	19	20	21	60	.48	.092	40	53	.96	184	.06	32	2.04	.06	.13	13	-
E 104093	1	10	4	57	.2	10	11	810	3.89	14	5	ND	2	115	1	3	2	69	3.01	.065	9	16	.80	36	.01	2	.89	.04	.06	1	13
E 104094	1	10	4	47	.1	11	11	793	3.73	2	5	ND	2	96	1	2	2	79	2.72	.060	7	25	1.13	30	.02	3	1.75	.07	.04	1	11
E 104095	1	29	7	813	.1	10	11	711	4.26	33	5	ND	2	86	5	2	2	65	2.37	.063	9	14	.70	54	.01	4	.76	.04	.08	1	26
E 104096	1	13	2	112	.1	10	9	806	3.40	20	5	ND	2	126	1	3	2	55	3.82	.057	8	17	.96	50	.01	2	.59	.03	.08	1	8
E 104097	1	10	4	48	.1	10	12	808	3.82	8	5	ND	2	166	1	2	2	66	3.47	.058	8	15	1.32	52	.01	4	.59	.03	.04	1	11
E 104098	1	10	5	43	.1	7	8	817	3.63	15	5	ND	2	173	1	2	2	54	4.59	.056	8	16	1.29	39	.01	5	.73	.03	.07	1	8
E 104099	1	19	7	80	.1	10	9	625	3.66	16	5	ND	2	109	1	2	3	62	2.78	.067	9	13	.80	31	.01	2	.76	.03	.06	1	16
E 104100	1	18	2	104	.1	12	9	682	3.50	27	5	ND	2	102	1	2	3	57	3.50	.057	8	17	.76	37	.01	2	.84	.03	.08	1	44
E 104101	1	16	5	58	.1	14	12	645	3.80	34	5	ND	2	104	1	3	2	68	3.61	.061	7	16	.91	29	.01	2	.73	.02	.06	1	62
E 104102	1	9	7	57	.1	13	11	648	3.82	16	5	ND	2	123	1	3	2	61	3.74	.053	6	15	1.18	22	.01	5	.77	.01	.05	1	16
E 104103	1	26	8	98	.5	12	10	813	3.93	67	5	ND	3	215	1	2	2	48	8.07	.048	6	11	1.68	37	.01	2	.65	.02	.06	1	26
E 104104	1	30	4	161	.4	11	9	864	3.56	246	5	ND	2	148	1	2	2	55	4.96	.054	6	17	1.30	33	.01	2	.53	.02	.07	1	42
E 104105	1	41	6	234	.2	12	10	790	3.60	973	5	ND	2	108	1	2	3	57	3.88	.055	6	14	1.12	41	.01	2	.50	.02	.08	1	87
STD C/AU-R	18	60	41	132	6.6	71	30	1059	4.25	42	17	8	38	48	18	18	18	60	.49	.091	39	53	.95	181	.07	33	2.05	.06	.14	13	485

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
E 104106	1	42	6	296	.2	13	10	705	3.41	703	5	ND	1	94	1	3	2	58	3.43	.058	5	22	.91	51	.01	2	.51	.02	.07	1	72
E 104107	1	41	4	654	.2	9	9	683	3.69	1600	5	ND	1	59	3	3	3	59	2.45	.062	6	20	.48	55	.01	2	.49	.02	.06	1	115
E 104108	1	37	6	591	.2	13	11	841	3.94	316	5	ND	1	77	2	2	2	60	2.74	.061	6	20	.96	48	.01	3	.59	.02	.06	1	94
E 104109	1	47	3	308	.1	14	12	970	4.16	1444	5	ND	1	80	1	3	2	57	3.05	.068	6	21	.84	53	.01	3	.47	.02	.07	1	65
E 104110	1	41	2	335	.2	12	10	863	3.60	684	5	ND	1	86	1	3	3	56	3.02	.065	6	23	.78	52	.01	2	.47	.02	.08	1	96
E 104111	1	68	7	141	.9	10	13	687	5.58	1087	6	ND	1	57	1	3	2	61	2.14	.066	6	18	.52	49	.01	2	.48	.02	.06	1	2780
E 104112	1	32	5	287	.1	10	13	823	4.09	1984	5	ND	1	127	1	2	2	59	4.35	.056	6	22	1.22	48	.01	2	.58	.02	.06	1	71
E 104113	1	25	9	194	.1	11	10	763	3.91	46	5	ND	1	92	1	2	2	69	3.31	.069	8	21	1.05	49	.01	2	.73	.02	.04	1	19
E 104114	1	40	4	366	.1	9	8	835	3.87	157	5	ND	1	53	2	2	2	59	2.85	.066	9	18	.45	55	.01	2	.69	.03	.05	2	17
E 104115	1	30	2	282	.2	10	11	632	3.40	155	5	ND	1	46	1	2	2	65	1.94	.072	9	23	.38	46	.01	4	.73	.02	.06	1	280
E 104116	1	23	3	46	.2	12	9	635	2.86	34	5	ND	1	68	1	2	2	44	4.77	.069	8	20	.53	54	.01	5	.78	.02	.11	3	96
E 104117	1	7	2	62	.1	9	9	590	3.31	67	5	ND	1	87	1	2	2	71	3.05	.066	7	29	.72	36	.01	3	1.49	.05	.06	1	8
E 104118	1	12	3	54	.1	9	11	598	3.47	51	5	ND	1	86	1	2	2	70	2.88	.063	6	21	.60	45	.02	4	1.33	.06	.06	1	22
E 104119	1	13	7	121	.1	10	9	824	3.55	37	5	ND	1	140	1	2	2	60	4.73	.060	8	22	1.60	38	.01	6	.55	.02	.09	1	24
E 104120	1	11	2	84	.1	11	12	735	3.59	17	5	ND	1	72	1	2	3	73	2.92	.070	8	25	.86	30	.01	2	.85	.02	.06	1	9
E 104121	1	18	2	51	.1	9	10	589	3.88	16	5	ND	1	91	1	2	2	64	3.31	.062	8	20	1.13	48	.01	2	.88	.02	.07	1	6
E 104122	1	9	5	56	.1	14	13	574	3.63	16	5	ND	1	62	1	3	2	83	1.85	.071	6	25	.79	29	.01	6	.76	.02	.05	1	7
E 104123	1	15	7	67	.1	9	10	468	3.40	71	5	ND	1	76	1	2	2	64	2.26	.070	8	19	.75	38	.01	2	.99	.02	.06	1	5
E 104124	1	16	2	50	.1	13	11	681	3.60	29	5	ND	1	104	1	2	2	67	2.91	.068	8	24	1.06	39	.01	4	.90	.05	.05	1	8
RE E 104120	1	10	2	80	.1	12	13	692	3.39	19	5	ND	1	68	1	2	2	68	2.87	.066	8	23	.81	35	.01	2	.78	.02	.06	1	11
E 104125	1	11	11	56	.1	19	13	828	4.04	130	5	ND	1	128	1	2	3	75	4.93	.063	6	23	1.77	18	.01	2	.68	.01	.04	1	26
E 104126	1	8	4	45	.1	11	12	658	3.88	13	5	ND	1	135	1	2	2	68	4.28	.055	6	22	1.74	31	.01	5	.73	.02	.04	1	10
E 104127	1	6	8	48	.1	9	11	583	3.42	17	5	ND	1	71	1	2	2	76	2.30	.073	9	22	.85	34	.01	6	.84	.02	.04	1	28
E 104128	1	11	7	56	.1	12	10	609	3.92	24	5	ND	1	82	1	2	2	76	2.19	.066	9	26	.84	34	.01	6	1.17	.03	.06	1	27
E 104129	1	11	2	43	.1	13	10	504	3.53	6	5	ND	1	82	1	2	2	65	1.68	.072	9	22	.66	28	.01	3	1.16	.05	.05	1	33
E 104130	1	7	2	42	.1	8	11	769	3.90	7	5	ND	1	173	1	2	2	53	3.42	.057	8	14	1.17	28	.01	3	.97	.07	.04	1	4
E 104131	1	8	7	48	.1	7	10	612	3.31	8	5	ND	1	114	1	2	2	59	2.16	.066	6	24	.76	52	.01	3	1.13	.08	.04	1	8
E 104132	1	7	9	42	.1	9	8	564	3.24	3	5	ND	1	103	1	2	2	69	2.45	.064	5	23	.97	65	.05	4	1.82	.09	.05	1	19
E 104133	1	14	10	47	.1	9	14	630	4.46	15	5	ND	1	102	1	2	2	81	3.17	.061	7	28	1.12	74	.01	4	2.64	.07	.06	3	27
E 104134	1	13	8	46	.1	13	12	554	3.89	11	5	ND	1	75	1	3	2	79	2.36	.065	7	26	1.02	60	.03	4	1.86	.05	.05	2	51
E 104135	1	14	8	50	.1	11	12	673	3.96	11	5	ND	1	83	1	2	2	76	2.72	.064	7	31	1.15	59	.02	6	1.66	.05	.05	1	11
STD C	18	60	45	128	6.9	66	31	1032	4.24	41	16	8	37	46	18	17	19	59	.47	.098	38	54	.94	174	.05	32	1.95	.06	.14	13	-
E 104136	1	10	7	53	.1	16	13	528	3.69	11	5	ND	1	85	1	2	2	76	2.56	.065	8	23	.74	36	.01	3	1.48	.05	.04	1	17
E 104137	1	8	4	49	.1	9	10	528	4.04	13	5	ND	1	92	1	2	2	64	2.93	.062	8	18	.73	38	.01	2	1.90	.03	.06	2	22
E 104138	1	8	9	47	.1	9	11	273	3.43	15	5	ND	1	59	1	2	2	68	1.06	.068	8	19	.56	39	.01	4	1.74	.02	.04	1	5
E 104139	1	6	2	47	.1	11	10	709	4.02	13	5	ND	1	151	1	2	2	66	6.14	.055	7	20	2.21	37	.01	2	1.09	.01	.03	1	10
E 104140	1	7	8	61	.1	12	12	622	3.90	9	5	ND	1	81	1	2	3	75	2.68	.068	9	23	.88	15	.01	2	1.09	.01	.04	1	14
E 104141	1	12	3	41	.1	7	8	531	3.07	22	5	ND	1	170	1	2	2	47	4.18	.056	6	16	1.45	31	.01	2	.65	.01	.09	1	92
E 104142	1	10	2	50	.1	12	13	523	3.91	32	5	ND	1	86	1	2	2	73	2.36	.065	8	21	1.01	19	.01	2	1.05	.01	.04	1	31
STD C/AU-R	18	58	37	132	6.8	68	30	1024	4.32	42	19	7	37	48	18	18	21	60	.49	.095	39	57	.96	173	.07	34	1.95	.06	.13	13	475

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 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: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: OCT 7 1988 DATE REPORT MAILED: Oct 14/88 ASSAYER. C. Leong .D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

ESSO MINERALS CANADA LTD. PROJECT 116 File # 88-5085 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
E 104143	1	6	3	39	.5	7	10	647	3.39	20	5	ND	1	319	1	2	2	54	5.76	.046	7	13	2.37	22	.01	2	1.16	.04	.04	2	22
E 104144	1	8	7	38	.3	6	8	494	3.55	5	5	ND	1	246	1	2	3	59	4.47	.050	7	18	1.75	44	.01	4	1.70	.05	.04	2	5
E 104145	1	8	7	56	.2	11	12	498	3.32	11	5	ND	1	109	1	2	2	72	2.83	.062	9	17	.83	27	.01	4	1.46	.03	.04	1	19
E 104146	1	5	7	58	.1	9	10	587	3.92	16	5	ND	1	171	1	2	2	74	3.24	.060	8	17	1.34	14	.01	2	1.18	.01	.03	1	9
E 104147	1	8	4	54	.1	12	12	677	3.56	13	5	ND	1	98	1	2	2	82	2.94	.070	8	19	1.05	13	.01	4	.86	.02	.03	1	14
E 104148	1	7	6	44	.1	10	11	676	3.19	14	5	ND	1	143	1	2	2	65	4.00	.054	6	18	1.61	20	.01	2	.84	.02	.05	1	39
STD C	18	61	44	138	6.7	67	31	1063	4.27	44	20	8	40	51	18	18	22	63	.51	.091	40	54	.96	188	.07	32	2.07	.06	.13	13	-
E 104149	1	3	2	45	.1	11	9	392	3.14	4	5	ND	1	139	1	2	2	63	2.15	.062	8	15	.82	45	.01	2	1.64	.04	.04	1	20
E 104150	1	5	7	39	.1	7	8	586	2.96	4	5	ND	1	102	1	2	2	61	2.31	.059	5	16	.83	53	.06	2	1.36	.08	.04	1	11
E 104151	1	5	8	42	.1	8	9	570	3.14	8	5	ND	1	87	1	4	2	71	2.22	.059	5	26	1.01	43	.07	5	1.66	.08	.07	3	3
E 104152	1	6	7	40	.1	11	7	508	2.89	4	5	ND	1	95	1	2	2	73	2.92	.065	7	21	.91	48	.03	6	1.99	.08	.09	1	8
E 104153	1	10	12	50	.1	10	10	521	3.66	5	5	ND	1	95	1	3	2	71	2.29	.063	9	23	.91	47	.01	3	1.94	.04	.07	1	22
E 104154	1	9	7	50	.1	11	10	556	3.12	17	5	ND	1	76	1	2	2	80	2.38	.065	7	24	1.10	35	.01	4	1.98	.05	.06	1	13
E 104155	1	10	9	54	.1	12	10	592	3.31	6	5	ND	1	80	1	2	2	83	2.18	.063	6	31	1.32	30	.04	9	1.98	.07	.06	1	18
E 104156	1	7	10	48	.1	10	10	542	3.10	18	5	ND	1	68	1	2	2	75	1.68	.065	6	23	1.03	55	.04	4	1.96	.05	.06	1	17
E 104157	1	11	8	59	.1	8	10	592	3.49	45	5	ND	1	66	1	2	3	77	2.10	.063	7	27	1.14	56	.02	3	1.91	.04	.07	1	26
E 104158	1	10	8	68	.1	13	10	593	3.27	7	5	ND	1	68	1	2	2	76	2.53	.061	7	25	1.42	40	.01	2	2.09	.03	.08	1	100
E 104159	1	7	4	48	.1	13	12	651	3.79	7	5	ND	1	71	1	2	2	83	2.19	.062	8	32	1.53	55	.02	2	2.29	.04	.06	1	10
E 104160	1	6	7	46	.1	10	11	538	3.96	13	5	ND	1	72	1	6	2	71	2.30	.061	8	22	1.24	38	.01	4	1.95	.03	.06	3	13
E 104161	1	10	4	49	.1	11	10	603	3.39	35	5	ND	1	81	1	2	2	78	2.50	.059	7	29	1.23	34	.03	4	1.81	.06	.06	1	12
E 104162	1	9	2	43	.1	12	11	675	3.55	16	5	ND	1	99	1	2	2	79	2.58	.062	6	23	1.28	47	.07	5	1.87	.07	.06	1	9
E 104163	1	14	4	38	.1	10	9	578	3.54	10	5	ND	1	83	1	2	2	77	2.43	.060	6	30	1.24	40	.04	3	1.91	.07	.08	1	13
E 104164	1	9	6	42	.1	11	9	531	3.27	7	5	ND	1	85	1	3	2	81	2.24	.059	7	25	1.13	44	.01	2	2.14	.05	.06	2	19
E 104165	1	7	10	49	.1	10	11	643	3.39	5	5	ND	1	88	1	2	2	74	2.33	.060	7	27	1.06	32	.01	2	1.70	.05	.04	1	18
E 104166	1	9	7	53	.1	9	9	686	3.41	4	5	ND	1	93	1	2	2	68	2.31	.060	7	21	1.18	18	.01	2	1.59	.05	.05	1	1
E 104167	1	7	4	47	.1	11	12	711	3.32	5	5	ND	1	99	1	2	2	71	2.57	.061	7	27	1.07	50	.03	3	1.45	.06	.04	1	12
E 104168	1	19	12	48	.2	12	13	671	4.19	14	5	ND	1	108	1	2	2	67	3.37	.057	8	21	1.49	26	.01	4	1.62	.05	.06	1	89
E 104169	1	10	9	46	.1	11	13	717	4.08	12	5	ND	1	81	1	4	2	76	2.49	.057	8	31	1.46	23	.01	2	1.82	.06	.04	2	8
RE E 104165	1	8	8	48	.1	9	11	636	3.35	6	5	ND	1	87	1	2	2	74	2.30	.062	7	27	1.05	24	.01	4	1.68	.05	.04	2	24
E 104170	1	8	8	47	.1	10	13	764	3.72	16	5	ND	1	82	1	2	2	79	2.74	.060	9	25	1.51	24	.01	2	1.86	.06	.04	1	24
E 104171	1	12	8	46	.1	9	14	688	3.62	83	5	ND	1	80	1	2	2	68	3.22	.056	8	30	1.30	32	.01	2	1.73	.05	.07	1	46
E 104172	1	10	7	49	.1	10	17	718	3.45	17	5	ND	1	80	1	2	2	76	2.20	.060	7	24	1.36	28	.03	4	1.86	.07	.04	1	12
E 104173	1	17	6	42	.1	9	15	663	3.35	31	5	ND	1	82	1	2	2	72	2.67	.056	6	25	1.32	35	.03	6	1.89	.08	.07	1	4
E 104174	1	16	9	41	.1	10	10	688	3.63	14	5	ND	1	86	1	3	2	78	2.66	.061	6	26	1.34	32	.04	6	1.85	.08	.05	1	6
E 104175	1	20	9	33	.1	8	8	549	3.14	9	5	ND	1	96	1	2	2	67	2.16	.056	5	20	.96	48	.08	10	1.71	.10	.04	1	11
E 104176	1	12	4	35	.1	11	9	538	3.19	4	5	ND	1	67	1	2	2	70	2.01	.058	5	23	1.21	32	.06	4	1.69	.07	.04	1	9
E 104177	1	26	4	73	.2	11	8	682	3.51	50	5	ND	1	93	1	2	2	56	4.41	.059	8	22	1.20	72	.01	5	1.53	.02	.13	1	122
E 104178	1	7	7	39	.1	11	10	640	3.39	10	5	ND	1	72	1	4	2	79	2.20	.058	5	25	1.31	39	.07	7	1.77	.07	.04	3	13
STD C/AU-R	17	59	42	132	6.7	68	30	1053	4.17	39	19	7	38	48	17	16	22	59	.48	.086	39	54	.93	179	.06	33	1.99	.06	.13	11	520

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
E 104179	1	9	3	50	.1	11	12	747	3.84	43	5	ND	1	86	1	2	2	82	2.43	.057	5	23	1.46	47	.08	8	2.11	.09	.04	2	46
STD C	19	63	42	142	6.6	72	32	1157	4.35	43	20	8	41	50	18	18	19	63	.51	.097	42	53	.98	186	.07	33	1.97	.06	.14	11	-
E 104180	1	10	5	49	.1	9	11	752	3.79	35	5	ND	1	99	1	2	2	83	2.74	.062	6	24	1.49	42	.02	7	2.30	.09	.06	2	126
E 104181	1	13	2	51	.1	10	10	786	3.56	23	5	ND	1	94	1	2	2	71	3.61	.060	7	22	1.35	43	.01	5	2.22	.08	.08	2	92
E 104182	1	21	4	199	.1	12	10	811	3.91	37	5	ND	1	65	1	2	2	76	3.27	.060	8	23	1.53	45	.01	5	1.79	.03	.06	1	128
E 104183	1	8	5	52	.1	11	10	779	3.65	7	5	ND	1	83	1	2	2	83	3.14	.061	7	24	1.46	36	.04	6	2.09	.08	.06	1	20
E 104184	1	87	11	2644	.1	11	22	599	6.77	331	5	ND	1	73	11	3	2	32	3.51	.051	7	10	.68	40	.01	4	1.25	.03	.15	1	360
E 104185	1	8	3	55	.1	9	9	790	3.44	14	5	ND	1	93	1	2	2	78	3.33	.059	7	22	1.39	17	.01	4	2.15	.09	.06	1	32
E 104186	1	20	5	62	.1	10	9	783	3.62	37	5	ND	1	64	1	2	2	71	4.11	.057	8	21	1.41	82	.01	9	1.72	.03	.05	1	56
E 104187	1	87	4	3382	.2	9	12	688	4.90	740	5	ND	1	70	17	2	2	44	5.52	.051	6	14	.79	51	.01	10	1.06	.01	.08	1	1690
E 104188	1	10	2	61	.1	12	11	891	3.79	23	5	ND	1	74	1	2	2	70	3.86	.059	8	22	1.27	30	.01	6	1.74	.04	.06	1	66
E 104189	1	7	3	62	.1	14	12	892	3.95	30	5	ND	1	79	1	2	2	83	3.12	.060	8	26	1.46	24	.01	8	2.04	.06	.05	1	17
E 104190	1	8	5	52	.1	12	11	844	3.79	27	5	ND	1	83	1	2	2	87	2.83	.064	6	25	1.42	32	.06	8	2.15	.08	.06	1	9
E 104191	1	9	6	46	.1	10	10	682	3.50	11	5	ND	1	73	1	3	2	79	2.26	.062	5	21	1.22	27	.10	8	1.95	.09	.05	3	7
E 104192	1	8	3	45	.1	11	11	667	3.41	9	5	ND	1	109	1	3	2	78	2.33	.057	5	21	1.15	49	.09	7	2.04	.09	.03	2	4
E 104193	1	6	8	64	.1	10	10	775	3.66	35	5	ND	1	135	1	2	2	85	2.89	.061	6	25	1.40	55	.03	8	2.48	.11	.05	1	9
E 104194	1	3	5	46	.1	10	9	689	3.39	33	5	ND	1	111	1	2	2	76	2.29	.057	5	20	1.17	47	.10	10	2.15	.10	.04	2	16
E 104195	1	7	7	72	.1	11	12	718	3.59	38	5	ND	1	107	1	2	2	77	2.62	.057	6	23	1.21	56	.07	9	2.14	.09	.05	1	14
E 104196	1	5	7	43	.1	11	10	645	3.28	14	5	ND	1	97	1	2	2	77	2.33	.058	5	21	1.09	36	.09	6	2.04	.11	.05	3	2
E 104197	2	7	6	52	.1	12	9	787	3.48	16	5	ND	1	92	1	2	2	76	2.90	.060	8	22	1.39	24	.02	5	2.13	.07	.06	1	5
E 104198	2	4	8	50	.1	12	11	866	3.79	10	5	ND	1	90	1	3	2	85	2.95	.058	7	25	1.46	18	.04	5	2.10	.08	.05	2	2
E 104199	1	4	4	49	.1	12	11	808	3.83	13	5	ND	1	83	1	2	2	83	2.68	.060	6	23	1.42	33	.07	2	2.05	.07	.04	1	5
E 104200	1	11	3	77	.1	11	9	851	3.45	26	5	ND	1	68	1	2	2	59	3.49	.063	7	19	1.21	67	.01	2	2.34	.04	.10	1	16
E 104201	1	12	6	81	.1	17	11	918	3.29	31	5	ND	1	66	1	3	2	63	3.65	.062	8	24	1.31	28	.01	2	2.17	.03	.08	1	15
RE E 104198	2	5	7	48	.1	11	11	837	3.68	9	5	ND	1	87	1	2	2	80	2.91	.052	7	24	1.41	24	.04	2	2.02	.07	.05	1	3
E 104202	1	8	7	125	.2	9	6	900	2.97	53	5	ND	1	70	1	2	2	62	3.84	.062	8	22	1.33	33	.01	2	2.12	.02	.07	1	46
E 104203	1	11	3	82	.1	6	6	872	2.79	46	5	ND	1	249	1	2	2	59	8.85	.053	8	18	1.16	27	.01	2	1.77	.02	.06	1	15
E 104204	1	11	8	84	.1	10	9	864	3.50	42	5	ND	1	47	1	2	2	77	2.26	.058	8	24	1.43	40	.01	2	2.04	.02	.05	1	33
E 104205	1	9	7	75	.1	9	10	866	3.67	27	5	ND	1	50	1	3	2	83	2.08	.059	8	25	1.47	49	.01	2	2.19	.03	.04	2	16
E 104206	1	7	5	64	.1	10	11	871	3.68	30	5	ND	1	69	1	4	2	85	2.53	.060	8	24	1.41	51	.05	5	2.19	.05	.05	2	4
E 104207	1	7	5	67	.1	10	10	925	3.72	31	5	ND	1	62	1	2	2	83	2.74	.059	9	25	1.36	40	.01	2	2.06	.03	.05	1	7
E 104208	1	13	7	73	.1	11	10	923	3.70	34	5	ND	1	62	1	2	2	68	3.57	.067	9	18	.63	44	.01	3	1.34	.03	.06	2	103
E 104209	1	10	5	110	.1	11	13	985	3.65	80	5	ND	1	82	1	2	2	66	4.06	.064	9	16	.36	51	.01	3	.88	.04	.06	1	26
E 104210	1	12	5	73	.1	14	10	793	3.42	43	5	ND	1	104	1	2	2	62	4.09	.060	8	17	.68	33	.01	2	1.09	.03	.07	1	15
E 104211	1	10	9	72	.1	12	11	865	3.73	70	5	ND	1	88	1	2	2	68	3.63	.063	9	16	.55	31	.01	4	1.08	.03	.05	1	8
E 104212	1	11	5	133	.1	11	11	970	3.69	50	5	ND	1	82	1	2	2	64	3.32	.059	9	15	.58	36	.01	2	.83	.03	.05	1	14
E 104213	1	9	2	62	.1	13	12	874	3.85	43	5	ND	1	91	1	2	2	75	3.01	.065	10	18	.59	34	.01	2	1.21	.04	.04	1	65
E 104214	1	9	8	89	.1	14	12	918	3.73	131	5	ND	1	81	1	5	2	76	2.86	.060	9	20	.95	29	.01	2	1.43	.04	.05	2	3
STD C/AU-R	18	60	41	132	6.6	68	31	1167	4.19	39	20	7	38	48	17	18	19	59	.48	.091	40	52	.94	176	.07	31	2.03	.06	.13	12	490

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
E 104215	1	7	6	108	.3	8	10	830	3.48	35	5	ND	1	86	1	2	2	75	2.56	.055	7	20	1.15	34	.02	4	1.73	.05	.03	1	11
E 104216	1	4	9	67	.1	8	11	826	3.64	22	5	ND	1	140	1	2	2	68	3.33	.056	9	18	1.17	16	.01	4	1.38	.05	.03	1	13
E 104217	1	24	7	102	2.4	9	11	798	3.60	368	5	ND	1	69	1	2	2	64	3.28	.058	8	18	.89	41	.01	2	1.16	.02	.05	1	19
E 104218	1	5	11	59	.1	11	11	852	3.81	23	5	ND	1	80	1	2	2	76	2.70	.057	9	21	1.30	23	.01	6	1.66	.04	.03	1	17
E 104219	1	7	11	61	.1	7	9	722	3.66	39	5	ND	1	94	1	2	2	73	3.18	.054	8	20	1.27	29	.01	4	2.04	.07	.05	1	22
E 104220	1	5	6	62	.1	9	11	767	3.66	22	5	ND	1	76	1	2	2	76	2.58	.056	8	21	1.33	28	.02	4	1.81	.04	.04	1	6
E 104221	1	18	9	75	.3	9	11	799	3.94	41	5	ND	1	80	1	2	2	69	3.10	.057	9	18	1.10	41	.01	2	1.46	.04	.06	1	5
E 104222	1	11	12	60	.1	9	12	832	3.72	31	5	ND	1	84	1	2	2	66	3.41	.059	9	17	1.07	34	.01	4	1.27	.03	.06	1	19
E 104223	1	11	8	54	.1	11	12	784	3.81	12	5	ND	1	88	1	2	2	77	3.23	.057	9	20	1.13	31	.01	5	1.30	.03	.05	1	735
E 104224	1	12	8	99	.1	9	10	889	3.83	45	5	ND	1	110	1	2	2	61	3.61	.056	9	13	.95	29	.01	3	.63	.02	.06	1	7
E 104225	1	36	6	233	.2	8	10	734	3.71	531	5	ND	1	42	1	2	2	37	1.81	.061	8	9	.45	48	.01	2	.57	.01	.11	2	36
E 104226	1	29	7	271	.1	7	10	965	3.57	96	5	ND	1	106	1	2	2	47	4.33	.059	6	9	.51	46	.01	2	.58	.01	.08	1	19
E 104227	1	33	7	397	.2	9	9	1071	3.79	68	6	ND	1	125	1	2	2	48	4.07	.057	6	9	.73	32	.01	2	.41	.02	.07	1	206
E 104228	1	35	7	1020	.2	5	8	1057	3.60	228	5	ND	1	107	3	2	2	48	3.07	.059	6	10	.49	38	.01	3	.39	.02	.08	1	101
E 104229	1	35	8	694	.9	8	8	936	3.14	383	6	ND	1	129	3	3	2	36	3.33	.051	5	8	.91	36	.01	3	.39	.01	.07	1	44
E 104230	1	19	6	670	.1	8	10	1005	3.67	177	5	ND	1	110	4	2	3	54	3.50	.054	7	11	.78	37	.01	3	.57	.02	.05	1	32
E 104231	1	29	7	344	.3	6	8	676	3.14	912	5	ND	1	49	1	2	2	25	2.65	.062	7	5	.44	41	.01	3	.39	.01	.09	1	225
E 104232	1	40	10	162	.5	7	11	1013	3.67	298	5	ND	1	81	1	2	2	34	4.45	.059	7	7	.53	38	.01	2	.55	.01	.10	1	74
E 104233	1	15	11	95	.1	9	11	918	3.79	69	5	ND	1	95	1	3	3	64	3.98	.057	7	17	.98	30	.01	3	1.13	.02	.05	3	12
E 104234	1	16	5	90	.1	8	10	915	3.94	91	5	ND	1	102	1	2	3	64	4.35	.058	7	15	.89	21	.01	2	.99	.02	.05	1	14
E 104235	1	11	2	91	.1	9	10	821	3.68	80	5	ND	1	89	1	2	2	70	3.22	.055	7	18	1.03	29	.01	2	1.44	.03	.06	1	16
E 104236	1	15	2	66	.1	10	9	835	3.65	76	5	ND	1	90	1	3	2	58	3.92	.062	8	13	.45	33	.01	2	.75	.03	.07	1	19
RE E 104232	1	39	7	163	.6	7	10	1020	3.69	301	5	ND	1	82	1	2	2	34	4.48	.058	8	8	.54	39	.01	2	.56	.02	.10	1	68
E 104237	1	6	7	67	.1	8	10	894	3.42	31	5	ND	1	96	1	2	2	65	4.04	.057	8	19	1.13	27	.01	2	1.73	.03	.07	2	7
E 104238	1	7	6	134	.1	10	12	798	3.56	49	5	ND	1	95	1	2	2	73	2.54	.055	6	21	1.32	32	.04	2	1.90	.04	.05	1	12
E 104239	1	8	4	84	.1	10	10	723	3.34	28	5	ND	1	76	1	2	2	62	3.06	.058	8	15	.63	33	.02	2	1.26	.03	.05	1	25
E 104240	1	13	8	115	.1	11	10	804	3.48	64	5	ND	1	92	1	2	2	67	3.08	.056	8	20	1.19	27	.01	2	1.76	.02	.05	1	4
E 104241	1	11	8	248	.1	8	10	847	3.49	36	5	ND	1	78	1	3	2	74	2.99	.059	7	21	1.37	38	.01	2	1.94	.03	.05	3	18
E 104242	1	12	4	180	.1	7	9	811	3.49	63	5	ND	1	80	1	3	2	63	3.21	.059	8	18	1.01	46	.01	2	1.60	.02	.05	1	8
E 104243	1	16	9	98	.1	8	10	777	3.15	45	5	ND	1	59	1	2	2	52	3.52	.060	9	12	.50	36	.01	2	.95	.02	.05	1	172
E 104244	1	12	10	189	.1	9	8	859	3.53	79	5	ND	1	81	1	2	2	73	3.20	.058	8	20	1.35	58	.01	2	1.97	.02	.05	1	3
E 104245	2	7	37	70	.1	2	2	732	.79	15	5	ND	29	134	1	3	2	4	1.32	.014	39	2	.18	823	.01	5	.85	.90	.05	1	10
E 104246	1	6	7	134	.1	7	11	833	3.72	68	5	ND	1	84	1	3	2	78	2.55	.058	7	22	1.43	34	.02	2	2.00	.03	.05	1	4
E 104247	1	7	12	150	.1	9	10	781	3.51	65	5	ND	1	82	1	2	2	73	2.60	.058	8	20	1.21	30	.02	3	1.92	.03	.05	1	13
E 104248	1	11	7	256	.1	9	10	856	3.60	102	5	ND	1	77	1	2	2	73	2.76	.058	8	19	1.17	22	.01	2	1.79	.02	.05	1	1
STD C	18	55	43	123	7.1	68	30	1035	3.98	41	18	7	36	48	17	20	22	56	.44	.085	37	57	.88	170	.05	38	1.84	.06	.14	13	-
E 104249	1	7	7	124	.1	12	11	802	3.73	42	5	ND	1	72	1	3	3	80	2.27	.057	7	21	1.33	36	.03	2	1.97	.04	.05	1	16
E 104250	1	7	10	142	.1	11	11	803	3.58	39	5	ND	1	86	1	2	2	77	2.76	.055	7	21	1.22	39	.02	3	1.93	.05	.05	4	32
STD C/AU-R	18	60	41	132	7.2	67	30	1119	4.20	42	18	8	38	48	18	16	17	60	.48	.091	40	52	.94	180	.07	32	2.01	.06	.13	12	495

ESSO MINERALS CANADA LTD. PROJECT 116 FILE # 88-5085

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
E 104251	1	25	4	247	.3	10	9	827	3.72	387	5	ND	1	91	1	3	2	54	3.56	.062	6	15	.84	29	.01	2	1.08	.02	.07	1	162
STD C	18	64	43	130	6.6	64	30	1042	4.17	37	22	8	39	46	17	19	20	57	.45	.090	38	60	.91	168	.06	34	1.99	.06	.14	13	-
E 104252	1	15	5	604	.2	10	10	757	3.55	53	5	ND	1	68	2	2	2	74	2.66	.062	7	20	1.23	42	.03	3	1.87	.04	.06	2	72
E 104253	1	11	5	170	.1	8	11	818	3.68	218	5	ND	1	91	1	3	2	77	3.07	.061	7	22	1.40	43	.02	2	1.98	.05	.05	2	68
E 104254	1	17	2	84	.1	6	11	731	3.57	17	5	ND	1	65	1	2	2	69	2.99	.060	7	20	1.24	42	.03	2	1.75	.04	.06	3	19
E 104255	1	16	6	113	.2	7	9	628	3.29	51	5	ND	1	60	1	2	3	69	2.25	.061	6	18	1.12	43	.05	3	1.68	.04	.05	1	105
E 104256	1	11	4	48	.2	6	9	706	3.36	19	5	ND	1	59	1	2	3	67	2.19	.056	6	17	1.15	33	.06	5	1.51	.05	.05	2	73
E 104257	1	22	7	101	.1	8	11	636	3.94	32	5	ND	1	70	1	3	3	65	2.72	.061	8	17	1.01	49	.01	4	1.49	.04	.06	2	38
E 104258	1	9	4	331	.1	7	9	663	3.43	61	5	ND	1	57	1	2	2	70	2.45	.061	7	18	.99	34	.02	2	1.84	.02	.05	2	27
E 104259	1	13	7	247	.1	11	12	676	3.65	47	5	ND	1	69	1	3	2	75	2.52	.062	6	19	1.14	40	.03	4	2.00	.04	.05	3	46
E 104260	1	12	5	259	.1	8	12	603	3.35	48	5	ND	1	83	1	3	2	62	2.99	.059	6	15	.77	38	.03	4	1.79	.05	.05	1	18
E 104261	1	27	11	374	.1	9	11	722	3.95	23	5	ND	1	89	1	2	3	65	3.23	.061	8	16	.90	44	.02	3	1.34	.07	.06	1	102
E 104262	1	15	3	75	.2	8	10	643	3.36	18	5	ND	1	80	1	2	2	62	1.88	.063	6	15	1.02	24	.05	5	1.20	.06	.04	2	144
E 104263	1	38	8	778	.1	14	8	521	3.09	97	5	ND	1	172	4	2	3	40	5.33	.027	4	13	2.19	30	.01	4	.66	.01	.02	1	162
E 104264	1	45	3	1331	.2	18	9	473	3.32	49	5	ND	1	125	6	2	2	44	2.57	.058	8	15	1.14	59	.01	2	.64	.03	.04	1	144
E 104265	1	49	4	1602	.1	18	9	524	3.39	143	5	ND	1	105	7	2	3	42	2.81	.059	8	14	1.15	70	.01	2	.56	.03	.05	1	96
E 104266	1	35	9	743	.1	16	10	520	3.14	432	5	ND	1	125	3	2	2	48	2.96	.058	7	18	1.38	71	.01	2	.80	.02	.04	1	121
E 104267	1	36	5	744	.1	22	11	552	3.25	430	5	ND	1	116	3	2	2	53	2.38	.059	7	22	1.26	80	.01	2	.84	.03	.03	1	106
E 104268	1	34	8	1233	.1	17	9	430	3.32	1237	5	ND	1	125	5	2	2	44	2.99	.058	6	13	1.12	73	.01	2	.94	.01	.03	1	52
E 104269	1	44	6	2420	.3	16	12	482	3.47	5341	5	ND	1	154	15	2	2	39	3.73	.058	7	13	1.36	61	.01	2	.62	.02	.05	1	915
E 104270	1	60	8	1769	.3	17	10	404	3.77	2079	5	ND	1	98	10	2	3	40	2.26	.058	8	12	.90	58	.01	2	.82	.02	.04	1	1090
E 104271	1	54	8	2189	.2	16	10	437	3.59	1133	5	ND	1	116	14	2	2	37	2.89	.064	6	10	1.09	51	.01	2	.71	.02	.05	1	144
E 104272	1	53	8	2728	.3	19	11	507	3.51	1177	5	ND	1	113	12	2	3	34	3.47	.055	6	9	1.21	43	.01	2	.54	.02	.05	1	4310
E 104273	1	51	6	1658	.4	16	7	533	3.33	616	5	ND	1	166	8	2	2	37	3.88	.058	6	12	1.33	51	.01	2	.69	.02	.05	1	285
E 104274	1	54	5	2709	.3	19	8	487	3.56	953	5	ND	1	171	13	2	2	36	3.40	.063	6	11	1.21	43	.01	2	.56	.02	.04	1	420
E 104275	1	55	8	2054	.1	19	10	433	3.47	583	5	ND	1	116	10	2	2	40	2.80	.058	6	12	1.14	40	.01	2	.63	.02	.04	1	52
E 104276	1	56	3	2428	.1	18	8	468	3.62	2028	5	ND	1	152	12	2	2	38	2.91	.058	7	10	1.12	57	.01	2	.53	.02	.04	1	205
E 104277	1	54	3	1247	.1	16	12	439	3.47	2683	5	ND	1	162	6	2	2	40	3.53	.057	6	12	1.39	54	.01	2	.64	.02	.04	1	125
E 104278	1	53	8	2091	.1	18	8	465	3.52	565	5	ND	1	137	13	2	2	42	3.46	.060	7	13	1.36	47	.01	2	.63	.02	.04	1	146
RE E 104274	1	54	2	2712	.1	16	8	492	3.50	957	5	ND	1	172	13	2	2	37	3.42	.059	6	12	1.23	50	.01	2	.57	.02	.04	1	705
E 104279	1	56	6	2961	.3	21	14	499	3.71	3055	5	ND	1	173	15	2	5	37	3.68	.053	6	12	1.36	46	.01	2	.55	.02	.05	1	595
E 104280	1	62	6	3303	.1	19	5	437	4.08	760	5	ND	1	130	17	2	2	37	2.88	.059	7	11	1.20	51	.01	2	.43	.02	.04	1	580
E 104281	1	57	8	2451	.2	17	15	417	3.90	4521	5	ND	1	126	13	2	3	35	3.23	.056	6	11	1.19	44	.01	2	.59	.02	.04	1	1335
E 104282	1	79	10	1620	.8	16	20	520	5.35	4520	5	2	1	201	8	2	3	31	4.43	.052	5	10	1.68	48	.01	2	.44	.02	.04	1	2205
E 104283	1	54	10	3195	.1	19	9	441	4.06	1593	5	ND	1	133	16	2	2	38	2.76	.068	7	11	1.24	43	.01	3	.52	.02	.04	1	1060
E 104284	1	60	8	3060	.2	18	9	453	3.99	231	5	ND	1	103	15	2	2	44	2.67	.058	7	17	1.49	52	.01	2	.78	.02	.04	1	655
E 104285	1	60	7	2932	.1	18	9	441	3.72	131	5	ND	1	101	13	2	2	44	2.78	.060	7	17	1.50	52	.01	2	.91	.02	.04	2	245
E 104286	1	60	11	2876	.1	18	9	428	3.90	171	5	ND	1	125	14	3	2	41	3.12	.059	8	16	1.30	58	.01	2	.89	.02	.04	3	196
STD C/AU-R	18	60	41	133	7.1	67	30	1055	4.21	43	17	8	38	48	18	16	21	59	.48	.087	39	52	.94	179	.07	33	2.04	.06	.13	12	535

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
E 104287	1	67	17	3428	.5	19	8	445	4.07	335	6	ND	2	83	16	2	2	47	2.25	.055	8	22	1.56	44	.01	2	1.14	.02	.05	1	220
E 104288	1	58	13	3221	.4	19	14	438	3.87	2720	6	ND	2	81	14	2	2	49	2.34	.056	8	26	1.60	50	.01	2	1.27	.02	.05	1	101
E 104289	1	48	10	2106	.3	20	12	429	3.57	1232	5	ND	2	125	9	2	2	45	2.95	.056	8	19	1.44	42	.01	2	.95	.03	.04	1	49
E 104290	1	60	6	3066	.4	21	12	450	3.80	127	5	ND	1	93	12	2	2	48	2.62	.058	8	24	1.62	51	.01	2	1.05	.02	.06	1	45
E 104291	1	60	8	2919	.3	19	11	442	3.83	66	5	ND	2	85	12	2	2	48	2.44	.059	9	20	1.47	50	.01	2	1.08	.03	.05	1	87
E 104292	1	53	9	1928	.4	22	12	444	3.65	33	5	ND	2	104	8	2	2	47	2.70	.054	8	22	1.42	47	.01	2	.90	.03	.05	1	35
E 104293	2	70	13	2139	.5	10	40	491	4.80	3595	5	ND	2	109	10	2	2	53	3.18	.059	8	12	.95	28	.01	2	.72	.03	.05	1	760
E 104294	15	48	10	1241	.2	9	11	439	4.29	126	5	ND	2	128	5	2	2	55	3.20	.061	9	15	.98	22	.01	2	.86	.06	.05	1	33
E 104295	2	93	9	2770	.4	9	12	383	5.34	203	5	ND	2	114	15	2	2	46	3.61	.058	7	10	.86	22	.01	2	.77	.03	.06	1	65
E 104296	6	79	11	1650	.1	10	14	302	4.85	245	5	ND	1	104	9	3	2	49	3.06	.058	8	13	1.11	25	.01	2	.83	.03	.06	1	49
E 104297	17	81	12	2509	.3	16	13	360	5.14	20	5	ND	2	101	14	2	2	55	2.90	.057	7	13	1.16	18	.01	2	.80	.02	.05	1	9
E 104298	12	67	4	1685	.3	9	11	332	4.29	3	5	ND	2	106	10	2	2	58	3.00	.059	9	17	1.07	17	.01	2	.83	.03	.06	1	12
E 104299	33	56	9	90	.2	24	14	503	5.17	18	5	ND	2	126	1	2	2	39	2.45	.062	10	9	.91	43	.01	2	1.11	.02	.17	1	61
E 104300	1	28	2	65	.2	24	14	516	4.14	21	5	ND	2	80	1	2	2	41	1.68	.077	10	13	.94	66	.01	3	1.53	.03	.17	1	51
E 104301	1	48	8	63	.1	5	4	141	2.43	43	5	ND	1	112	1	2	2	12	2.89	.039	10	3	.44	80	.01	2	1.03	.07	.12	1	240
STD C	19	59	44	141	6.8	65	31	1044	4.22	40	24	8	40	47	18	19	19	59	.49	.084	40	53	.95	179	.06	32	2.04	.06	.13	13	-
E 104302	2	36	7	33	.2	4	3	138	2.04	53	5	ND	1	124	1	2	2	14	2.92	.042	10	9	.43	57	.01	3	.81	.07	.10	1	68
E 104303	1	35	5	26	.1	6	2	99	1.64	53	5	ND	1	119	1	2	2	10	2.81	.041	8	2	.37	66	.01	2	.64	.05	.09	1	104
E 104304	2	34	4	441	.3	4	4	122	1.84	101	5	ND	1	110	2	2	2	11	2.90	.040	9	6	.40	64	.01	2	.85	.05	.09	1	1120
E 104305	1	29	6	183	.1	5	3	115	1.72	73	5	ND	1	65	1	2	2	13	1.68	.042	7	3	.36	37	.01	2	.78	.04	.07	1	18
E 104306	1	27	5	85	.1	2	2	125	1.53	26	5	ND	1	77	1	2	2	11	1.78	.042	7	6	.66	63	.01	3	.75	.03	.09	1	10
E 104307	1	24	5	19	.1	5	3	135	1.57	113	5	ND	1	96	1	2	2	9	1.97	.037	7	3	.74	58	.01	2	.62	.02	.09	1	44
E 104308	1	26	2	48	.2	4	3	152	1.83	20	5	ND	1	66	1	2	2	10	1.52	.044	9	5	.63	45	.01	4	.74	.02	.08	1	38
E 104309	1	26	7	252	.1	5	3	174	1.97	42	5	ND	1	62	1	2	2	12	1.53	.041	9	3	.64	42	.01	3	.74	.02	.09	1	56
E 104310	1	38	5	523	.2	4	4	138	2.03	56	5	ND	1	70	3	2	2	11	1.61	.041	9	6	.67	61	.01	2	.79	.02	.09	1	49
E 104311	1	1010	2	1046	1.8	306	21	119	1.92	38	5	ND	1	76	2	16	2	9	1.40	.044	9	3	.58	56	.01	5	.83	.04	.09	1173	41
E 104312	1	44	4	406	.1	8	4	136	2.27	56	5	ND	1	97	2	2	3	11	1.87	.043	10	8	.50	65	.01	2	.99	.07	.08	9	71
RE E 104308	1	27	5	53	.1	4	3	149	1.81	19	5	ND	1	65	1	2	2	10	1.50	.045	9	5	.62	41	.01	2	.71	.02	.08	1	54
E 104313	13	48	3	408	.2	6	3	135	2.19	64	5	ND	1	63	2	2	2	10	1.49	.040	9	3	.59	68	.01	2	.74	.03	.09	13	87
E 104314	728	33	25	481	.7	7	6	159	1.99	3224	5	ND	1	61	3	2	18	8	1.82	.038	8	9	.72	64	.01	2	.63	.02	.11	1	340
E 104315	3	12	2	17	.1	3	1	131	.95	37	5	ND	1	43	1	2	2	6	1.40	.044	8	3	.53	58	.01	4	.64	.01	.11	2	23
E 104316	4	91	10	83	.2	7	23	166	3.85	1771	5	ND	1	44	1	2	2	8	1.37	.032	7	10	.57	38	.01	2	.51	.01	.10	1	68
E 104317	20	26	6	116	.3	5	4	292	1.92	1989	5	ND	1	123	1	2	2	10	3.35	.030	5	3	1.33	46	.01	2	.46	.01	.13	1	73
E 104318	2	33	6	64	.1	31	17	713	5.12	34	5	ND	1	68	1	2	2	33	.86	.053	5	10	.93	51	.01	2	.75	.01	.17	1	22
E 104319	1	41	6	62	.1	27	16	797	5.08	43	5	ND	1	101	1	2	2	42	1.63	.063	9	9	1.10	47	.01	4	.96	.02	.15	1	47
E 104320	3	47	3	64	.1	27	16	626	4.37	31	5	ND	1	91	1	2	2	34	1.45	.042	7	8	1.10	45	.01	2	1.02	.01	.17	2	26
E 104321	1	47	13	662	.1	7	21	1041	6.88	16	5	ND	1	165	4	2	2	179	2.63	.089	9	3	2.70	40	.07	2	4.04	.17	.06	1	18
E 104322	1	33	12	104	.1	7	25	1195	6.33	18	5	ND	1	141	1	8	3	182	1.92	.102	8	4	2.53	56	.18	2	3.27	.13	.05	5	29
STD C/AU-R	17	59	40	132	7.1	68	29	1048	4.15	39	18	7	37	48	18	17	20	58	.48	.086	39	53	.93	172	.06	32	2.02	.06	.13	12	520

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
E 104323	1	51	2	110	.1	5	23	1047	7.13	10	5	ND	2	113	1	2	2	192	2.81	.091	9	2	2.35	45	.04	2	3.06	.08	.06	1	10
E 104324	1	73	6	89	.1	6	28	853	7.39	14	5	ND	1	157	1	2	2	188	2.68	.094	9	5	2.02	66	.01	4	3.22	.12	.09	2	8
E 104325	1	58	3	75	.2	174	31	343	4.08	47	5	ND	1	101	1	2	2	92	1.19	.046	4	257	3.62	119	.22	3	3.62	.15	.52	1	6
E 104326	1	74	2	81	.1	182	29	336	4.61	41	5	ND	2	106	1	2	2	101	1.26	.047	4	231	3.89	117	.22	2	3.99	.17	.53	1	2
E 104327	1	69	12	35	.1	169	30	235	4.06	24	5	ND	1	111	1	2	2	101	1.45	.046	5	251	3.18	165	.18	2	3.87	.22	.81	2	3
E 104328	1	48	8	38	.2	233	22	304	3.28	43	5	ND	1	104	1	2	2	70	2.09	.044	3	247	3.36	67	.14	2	4.44	.20	.21	2	24
E 104329	2	315	7	34	.2	194	52	241	5.19	48	5	ND	1	82	1	2	2	71	1.59	.037	3	192	2.32	59	.15	2	3.07	.14	.15	1	220
E 104330	1	60	10	35	.1	189	25	279	3.21	39	5	ND	1	97	1	10	2	73	2.11	.044	4	236	3.02	99	.15	4	4.06	.18	.28	5	14
E 104331	3	244	6	40	.3	156	33	282	5.71	26	5	ND	2	114	1	2	2	101	1.09	.051	5	184	1.97	51	.16	2	2.58	.15	.16	1	12
E 104332	1	70	8	54	.1	198	27	245	3.43	8	5	ND	1	117	1	2	3	73	1.61	.042	4	181	3.12	165	.12	2	4.00	.23	.70	1	10
STD C/AU-R	18	60	36	133	6.6	67	30	1012	4.18	41	18	8	38	48	18	16	18	59	.48	.086	40	52	.93	181	.07	33	2.00	.06	.13	12	480

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 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: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

OCT 20 1988

DATE RECEIVED: OCT 7 1988 DATE REPORT MAILED: Oct 19/88 ASSAYER: C. Leong ..D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

88.10.20

FILE COPY

ESSO MINERALS CANADA LTD. PROJECT 116 File # 88-5086 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
E 104333	1	83	3	103	.2	132	22	401	3.55	41	5	ND	1	73	1	2	2	81	1.61	.057	4	231	2.54	112	.14	2	2.68	.12	.41	1	6
E 104334	1	73	2	45	.1	41	15	357	3.10	12	5	ND	1	46	1	3	2	72	1.71	.062	5	63	1.34	52	.07	2	1.27	.05	.13	1	7
E 104335	1	72	4	60	.1	22	11	408	3.29	3	5	ND	1	53	1	2	2	72	1.72	.066	6	39	1.39	24	.04	4	1.30	.04	.04	1	58
E 104336	1	70	3	61	.1	19	11	364	3.09	5	5	ND	1	42	1	2	2	67	1.40	.065	5	35	1.19	19	.07	2	1.17	.04	.03	1	41
E 104337	1	57	2	53	.1	19	12	447	3.51	13	5	ND	1	106	1	2	2	54	2.70	.067	8	22	.90	26	.01	4	.69	.02	.02	1	33
STD C	18	58	39	134	6.6	67	31	1039	4.09	39	18	8	37	46	18	17	20	59	.48	.094	38	53	.91	169	.06	32	1.91	.06	.14	13	-
E 104338	1	49	6	41	.1	21	11	327	2.97	4	5	ND	1	45	1	2	2	62	1.27	.066	5	35	1.06	25	.06	4	1.07	.04	.03	2	86
E 104339	1	39	2	42	.1	20	10	317	2.77	3	5	ND	1	41	1	2	2	61	1.31	.070	5	32	.99	28	.07	2	1.04	.04	.03	1	29
E 104340	2	41	2	57	.2	67	14	351	3.15	22	5	ND	1	60	1	2	2	73	1.45	.066	5	105	1.83	251	.13	2	1.92	.09	.32	1	19
E 104341	1	41	9	52	.1	24	10	473	3.18	6	5	ND	1	67	1	2	2	70	2.22	.074	7	44	1.34	98	.01	6	1.32	.03	.04	1	58
E 104342	1	32	4	48	.1	21	9	391	2.79	5	5	ND	1	51	1	2	2	62	1.79	.063	6	42	1.22	25	.02	3	1.28	.03	.02	1	134
E 104343	1	35	5	46	.1	19	10	342	2.85	8	5	ND	1	42	1	2	2	56	1.50	.064	6	28	.81	20	.05	2	.82	.03	.03	2	20
E 104344	1	22	5	35	.1	15	7	626	3.46	20	6	ND	1	277	1	2	2	38	9.07	.045	6	16	3.07	31	.01	3	.49	.01	.04	1	62
E 104345	1	33	2	56	.1	25	12	478	3.46	10	5	ND	1	60	1	2	2	62	2.03	.065	8	27	.76	11	.01	2	.54	.02	.03	1	37
E 104346	1	31	2	45	.2	21	9	405	3.10	6	5	ND	1	47	1	2	2	63	1.85	.065	5	35	1.18	32	.06	5	1.01	.03	.04	1	260
E 104347	1	40	6	48	.1	21	11	427	3.30	4	5	ND	1	56	1	2	2	68	1.97	.067	6	36	1.18	41	.04	7	1.01	.03	.03	1	158
E 104348	1	58	8	50	.1	20	12	426	3.29	3	5	ND	1	54	1	2	2	64	1.66	.066	6	34	1.06	29	.04	5	.87	.03	.03	2	240
E 104349	1	55	2	49	.1	22	12	432	3.54	2	5	ND	1	62	1	2	2	65	1.87	.067	7	35	1.24	31	.01	3	1.01	.03	.04	1	86
E 104350	1	32	10	54	.1	27	9	515	3.36	7	5	ND	1	138	1	2	2	60	3.17	.066	8	32	1.39	54	.01	5	.66	.03	.04	1	197
E 104351	1	31	2	53	.1	22	11	504	3.59	5	5	ND	1	112	1	2	2	65	2.28	.073	8	29	1.23	20	.01	4	.65	.03	.03	1	620
E 104352	1	43	7	47	.1	22	10	485	3.32	27	5	ND	1	93	1	2	3	61	2.72	.065	7	32	1.31	83	.01	6	.85	.02	.04	1	62
E 104353	1	63	3	42	.1	23	14	467	3.82	43	5	ND	1	103	1	2	2	60	2.60	.068	8	28	1.04	31	.01	3	.62	.02	.03	1	79
E 104354	1	48	2	48	.1	23	12	449	3.41	29	5	ND	1	102	1	2	2	58	2.33	.068	8	28	.91	13	.01	4	.54	.02	.03	1	68
E 104355	1	48	5	50	.2	18	10	458	3.19	5	5	ND	1	67	1	2	2	64	1.94	.066	7	36	1.41	24	.01	2	1.14	.03	.03	2	47
E 104356	1	43	4	50	.1	18	9	456	3.13	2	5	ND	1	86	1	2	2	61	2.44	.068	7	34	1.42	39	.01	2	1.10	.02	.05	1	8
E 104357	1	44	4	47	.1	21	9	458	3.21	3	5	ND	1	87	1	2	2	66	2.56	.064	7	40	1.51	27	.01	4	1.40	.02	.06	1	9
E 104358	1	56	11	44	.1	22	8	451	3.34	2	5	ND	1	79	1	2	2	70	2.49	.067	7	40	1.55	20	.01	2	1.47	.02	.06	1	20
E 104359	1	51	4	44	.1	19	9	441	3.40	2	5	ND	1	55	1	2	2	70	1.84	.072	7	39	1.50	30	.01	2	1.32	.03	.04	1	26
E 104360	1	43	3	47	.1	23	10	508	3.20	27	5	ND	1	84	1	2	2	60	3.12	.065	7	33	1.55	38	.01	4	1.14	.02	.06	1	11
E 104361	1	42	4	49	.1	20	10	463	3.15	4	5	ND	1	60	1	2	2	68	2.15	.060	7	40	1.40	12	.01	2	1.27	.03	.03	1	8
E 104362	1	39	2	48	.1	17	9	451	3.04	3	5	ND	1	53	1	2	3	68	1.68	.066	6	46	1.33	15	.01	5	1.19	.03	.02	1	9
E 104363	1	64	8	47	.1	20	10	499	3.11	7	5	ND	1	75	1	2	4	63	2.64	.065	7	35	1.44	18	.01	3	1.11	.02	.04	2	8
E 104364	1	68	2	46	.2	18	8	446	3.01	2	5	ND	1	60	1	2	4	63	2.22	.065	7	46	1.39	13	.01	4	1.22	.03	.04	1	10
RE E 104360	1	44	5	46	.1	22	10	492	3.12	27	5	ND	1	82	1	3	2	57	3.08	.059	7	33	1.51	35	.01	2	1.12	.02	.06	1	12
E 104365	1	71	2	49	.1	23	10	452	3.13	3	5	ND	1	55	1	2	2	70	1.63	.067	6	39	1.45	17	.04	5	1.25	.03	.03	2	3
E 104366	1	76	2	47	.2	18	9	418	3.00	6	5	ND	1	48	1	2	5	67	1.83	.067	6	47	1.30	23	.04	6	1.16	.03	.03	1	2
E 104367	1	71	4	45	.1	22	9	380	2.85	6	5	ND	1	41	1	2	4	64	1.48	.065	5	34	1.23	22	.06	5	1.13	.03	.05	1	4
E 104368	1	56	5	42	.1	26	11	347	2.66	9	5	ND	1	56	1	2	2	64	1.26	.066	5	55	1.27	101	.08	5	1.24	.05	.07	3	8
STD C/AU-R	18	61	40	132	6.7	68	31	1019	4.20	38	20	7	37	48	18	18	19	59	.48	.096	39	55	.94	175	.07	33	2.04	.06	.13	11	500

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
E 104369	1	64	3	42	.2	19	10	325	2.75	9	5	ND	2	39	1	2	2	54	1.31	.062	5	30	1.05	20	.06	5	.90	.03	.03	1	2
E 104370	1	78	4	50	.2	18	10	445	3.07	17	5	ND	1	60	1	2	2	54	2.00	.063	7	26	.77	31	.01	3	.57	.03	.02	2	5
E 104371	1	53	3	39	.2	14	8	320	2.60	3	5	ND	1	47	1	2	2	55	1.37	.066	5	30	1.10	30	.06	3	.88	.04	.03	1	1
E 104372	1	49	5	53	.1	22	11	398	3.25	25	5	ND	1	41	1	2	2	58	1.30	.065	8	25	.37	38	.01	2	.44	.03	.03	1	15
E 104373	1	71	7	62	.2	19	8	389	3.11	4	5	ND	1	50	1	2	2	64	1.60	.063	6	33	1.10	64	.05	3	.94	.03	.03	1	4
E 104374	1	76	6	40	.2	17	7	317	2.89	2	5	ND	1	42	1	2	2	62	1.41	.061	5	36	1.18	40	.07	3	1.08	.04	.03	2	1
E 104375	1	64	2	47	.2	19	9	299	2.84	2	5	ND	1	38	1	2	2	61	1.31	.063	5	38	1.09	51	.06	2	.99	.04	.05	1	1
E 104376	1	87	2	41	.2	18	10	339	3.14	2	5	ND	1	41	1	2	2	61	1.28	.066	5	37	1.39	36	.07	2	1.11	.04	.04	2	4
E 104377	1	85	2	41	.2	18	10	355	3.20	3	5	ND	1	44	1	2	2	67	1.45	.066	5	41	1.48	36	.07	4	1.19	.05	.03	1	1
E 104378	1	91	7	62	.3	38	13	581	3.98	6	5	ND	1	61	1	2	2	92	2.30	.073	7	84	2.36	29	.02	2	1.75	.02	.03	2	1
E 104379	1	72	4	46	.1	18	11	343	2.96	2	5	ND	1	44	1	2	2	63	1.71	.064	5	33	1.12	23	.04	3	1.07	.03	.03	1	1
E 104380	1	72	5	41	.1	16	9	368	2.95	19	5	ND	1	52	1	2	4	58	1.90	.059	5	33	1.26	20	.04	4	1.06	.03	.03	2	1
E 104381	1	68	4	30	.1	9	8	261	2.35	4	5	ND	1	35	1	2	3	45	1.33	.062	4	23	.85	21	.07	4	.79	.04	.02	1	1
E 104382	3	88	5	36	.2	15	11	334	2.81	3	5	ND	1	48	1	2	2	51	1.58	.063	5	28	1.01	34	.06	8	.78	.04	.03	2	2
RE E 104386	1	89	2	51	.2	19	11	396	3.36	8	5	ND	1	41	1	2	2	63	1.39	.065	7	28	.62	20	.01	3	.53	.03	.02	1	1
E 104383	1	78	2	36	.2	15	8	311	2.88	2	5	ND	1	47	1	2	2	57	1.40	.065	5	30	1.21	41	.08	11	.96	.05	.04	1	2
E 104384	1	83	5	35	.2	18	9	295	2.81	5	5	ND	1	43	1	2	2	56	1.28	.065	5	34	1.13	44	.08	5	.98	.05	.03	3	1
E 104385	1	73	2	35	.2	17	8	368	2.73	3	5	ND	1	45	1	2	2	52	1.57	.065	5	29	1.09	55	.06	6	.81	.04	.03	1	1
E 104386	1	89	2	50	.1	17	12	395	3.35	8	5	ND	1	42	1	2	2	63	1.38	.067	7	28	.62	24	.01	4	.55	.03	.02	1	1
E 104387	1	80	5	52	.1	20	12	427	3.55	13	5	ND	1	51	1	2	3	63	1.76	.065	8	25	.65	18	.01	5	.44	.02	.02	1	7
E 104388	1	84	2	53	.1	20	13	460	3.48	12	5	ND	1	40	1	2	4	65	1.19	.056	8	28	.47	27	.01	4	.45	.03	.03	1	1
E 104389	1	77	5	50	.1	15	12	397	3.34	6	5	ND	1	49	1	2	2	60	1.59	.072	7	25	.60	24	.01	2	.40	.03	.03	1	2
E 104390	1	81	2	49	.1	19	11	473	3.48	9	5	ND	1	47	1	2	2	66	1.63	.061	8	29	.63	25	.01	8	.43	.03	.03	2	1
E 104391	2	123	6	45	.1	18	14	504	3.67	20	5	ND	1	74	1	2	2	53	2.28	.062	7	24	.82	22	.01	4	.47	.02	.04	1	1
E 104392	3	113	6	66	.1	72	18	630	4.76	32	5	ND	1	99	1	3	2	79	2.00	.067	8	90	1.07	78	.01	6	1.33	.08	.21	1	1
E 104393	1	70	11	88	.1	209	33	642	5.22	26	5	ND	1	189	1	2	2	111	2.32	.055	6	317	2.89	124	.14	3	4.20	.25	.53	1	13
E 104394	1	67	5	97	.3	157	24	335	4.98	32	5	ND	1	177	1	3	2	117	1.75	.059	5	356	4.04	189	.16	3	4.84	.26	.87	2	8
E 104395	1	128	12	76	.1	223	35	472	4.65	53	5	ND	1	157	1	11	2	101	2.13	.056	4	340	4.19	145	.16	3	4.42	.17	.62	5	16
E 104396	1	88	10	59	.1	14	11	285	3.98	64	5	ND	1	35	1	2	2	49	.80	.064	7	18	.77	37	.01	2	.90	.03	.07	1	164
E 104397	1	58	9	57	.2	16	10	329	3.22	29	5	ND	1	45	1	2	2	48	1.26	.065	6	17	.85	15	.01	5	.83	.03	.06	1	46
E 104398	1	52	7	41	.1	10	8	288	3.19	40	5	ND	1	58	1	2	2	44	1.58	.066	7	14	.67	28	.01	3	.66	.03	.06	1	37
STD C	19	60	37	132	6.6	68	30	1001	4.29	41	18	8	37	47	18	19	21	60	.50	.089	39	56	.96	172	.06	31	2.02	.06	.14	13	-
E 104399	1	72	7	41	.1	12	9	326	3.35	14	5	ND	1	41	1	2	3	39	1.99	.069	7	9	.32	37	.01	4	.47	.03	.07	1	29
E 104400	1	82	3	37	.1	12	10	280	3.62	10	5	ND	1	33	1	2	2	47	.97	.069	7	13	.41	34	.01	2	.43	.03	.06	2	27
E 104401	1	66	7	47	.5	7	5	194	3.39	385	5	ND	1	47	1	4	2	24	.31	.033	6	8	.13	38	.01	2	.50	.05	.10	2	47
E 104402	1	115	3	54	.1	14	12	147	3.78	419	5	ND	1	28	1	2	2	35	.21	.063	6	9	.08	34	.01	4	.56	.03	.08	1	105
E 104403	1	116	4	62	.3	14	11	246	4.10	133	5	ND	1	36	1	2	5	36	.80	.064	7	10	.32	33	.01	10	.45	.03	.09	1	122
E 104404	1	116	35	109	.6	12	8	386	3.37	203	5	ND	1	46	1	6	2	22	1.21	.068	6	6	.48	32	.01	2	.36	.02	.11	1	119
STD C/AU-R	18	61	41	132	6.7	67	31	1022	4.29	41	18	8	37	48	19	17	19	60	.51	.094	40	57	.95	182	.07	33	2.07	.06	.13	12	515

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
E 104405	1	144	11	53	.2	14	9	227	3.56	153	5	ND	1	37	1	2	2	35	.99	.060	6	7	.41	42	.01	3	.37	.02	.08	1	340
E 104406	1	91	6	38	.1	13	9	269	3.58	12	5	ND	1	49	1	11	2	43	1.41	.060	7	10	.53	16	.01	6	.49	.03	.05	1	105
E 104407	1	87	11	197	.2	13	9	369	3.25	23	5	ND	1	74	1	25	3	36	2.24	.061	6	8	.77	57	.01	2	.42	.02	.06	1	38
E 104408	1	87	41	937	1.2	10	8	506	3.27	253	5	ND	1	88	1	54	2	31	3.10	.059	6	8	.98	84	.01	2	.42	.02	.09	1	78
E 104409	1	76	755	369	3.9	13	8	720	3.14	3597	5	ND	1	107	1	257	2	30	3.62	.057	6	7	1.17	83	.01	2	.43	.02	.06	1	900
E 104410	1	85	13	45	.1	16	9	292	3.50	38	6	ND	1	92	1	10	3	37	2.54	.062	6	11	.68	48	.01	2	.48	.02	.08	2	88
E 104411	1	78	7	41	.3	21	11	336	3.30	24	5	ND	1	132	1	9	2	32	3.08	.057	5	13	.91	48	.01	3	.40	.02	.09	1	52
E 104412	1	81	61	179	.6	19	10	809	3.16	102	6	ND	1	151	1	31	3	16	4.04	.051	4	6	1.23	47	.01	2	.36	.01	.14	1	93
E 104413	1	65	75	270	.6	19	10	693	3.11	299	5	ND	1	116	1	33	2	22	3.24	.048	4	9	1.01	50	.01	2	.35	.01	.12	1	102
E 104414	1	79	78	165	.7	20	9	502	3.18	32	5	ND	1	149	1	4	2	30	3.45	.056	4	10	1.04	61	.01	3	.38	.01	.10	1	141
E 104415	1	84	20	118	.3	18	10	359	3.16	19	5	ND	1	205	1	2	2	31	3.28	.052	4	12	1.10	94	.01	3	.34	.01	.08	1	67
E 104416	1	92	38	87	.4	20	9	345	3.11	3	5	ND	1	314	1	2	2	33	3.28	.058	4	11	1.09	77	.01	2	.34	.02	.09	1	400
E 104417	1	113	84	214	.9	20	9	437	3.24	2	5	ND	1	296	1	2	2	31	3.55	.055	5	10	1.12	87	.01	2	.32	.01	.09	1	510
E 104418	1	100	5	58	.3	18	8	316	3.29	4	5	ND	1	271	1	2	2	34	3.22	.058	5	12	1.18	99	.01	3	.35	.02	.09	1	111
E 104419	1	92	2	38	.1	18	9	287	3.29	7	5	ND	1	222	1	2	2	38	2.83	.063	5	15	1.14	68	.01	2	.47	.02	.08	1	165
E 104420	1	90	5	37	.1	22	9	285	3.31	3	5	ND	1	220	1	2	2	40	3.05	.059	5	19	1.25	90	.01	3	.56	.02	.09	1	78
E 104421	1	82	6	41	.3	20	9	305	3.05	6	5	ND	1	211	1	2	2	35	3.16	.063	5	12	.97	66	.01	2	.35	.02	.08	1	2790
E 104422	1	86	5	56	.1	20	9	296	3.19	16	5	ND	1	129	1	2	2	38	3.16	.056	5	14	.68	74	.01	2	.47	.02	.08	1	400
E 104423	1	90	3	38	.1	22	9	301	3.25	4	5	ND	1	193	1	2	2	37	3.38	.056	5	17	.99	75	.01	2	.49	.02	.08	1	290
E 104424	1	99	12	42	.3	21	10	354	3.48	6	5	ND	1	106	1	3	2	33	3.04	.059	5	13	.81	62	.01	3	.38	.02	.10	1	118
E 104425	1	103	262	48	.7	19	11	366	3.64	1586	5	ND	1	129	1	7	2	34	3.11	.060	5	15	.85	59	.01	3	.37	.02	.07	1	590
E 104426	1	87	8	49	.5	16	8	396	3.19	678	5	ND	1	98	1	2	2	32	2.56	.060	5	11	.89	52	.01	2	.35	.02	.09	2	920
E 104427	1	70	10	69	.9	11	6	551	2.58	481	5	ND	1	93	1	8	2	26	2.95	.061	5	6	.97	46	.01	2	.30	.02	.10	1	1360
E 104428	1	105	10	99	.4	15	8	410	3.73	167	5	ND	1	45	1	2	2	32	1.76	.064	5	8	.49	56	.01	3	.38	.02	.10	1	280
E 104429	1	157	564	533	2.1	12	10	593	3.77	3204	5	ND	1	89	1	7	2	36	3.11	.056	4	9	.60	22	.01	3	.41	.03	.10	1	920
E 104430	1	120	42	126	.6	14	7	356	3.23	220	5	ND	1	65	1	2	2	39	2.36	.062	5	10	.75	30	.01	2	.59	.02	.08	1	390
E 104431	1	119	1957	791	5.6	11	7	627	3.31	6607	5	ND	1	78	3	14	3	32	3.06	.060	4	9	.70	31	.01	2	.55	.02	.09	1	1500
E 104432	1	82	30	107	.7	12	8	361	3.21	112	5	2	1	52	1	2	18	49	2.17	.064	5	16	.99	33	.01	2	1.12	.02	.07	5	1370
RE E 104428	1	105	7	101	.3	13	9	425	3.78	164	5	ND	1	45	1	2	2	33	1.78	.063	5	8	.49	68	.01	2	.39	.02	.10	1	310
E 104433	1	60	41	53	.2	10	8	522	3.19	362	5	ND	1	72	1	2	2	54	2.62	.062	6	19	1.15	27	.01	2	1.06	.02	.06	2	71
E 104434	1	69	221	149	.6	8	7	768	3.19	1976	5	ND	1	89	1	2	2	50	2.75	.060	8	14	1.10	25	.01	2	.86	.02	.05	1	400
STD C	18	58	38	128	7.1	65	29	1061	4.05	39	17	8	35	45	17	17	19	58	.48	.093	37	56	.92	157	.06	37	1.96	.06	.14	13	-
E 104435	1	82	6	39	.2	12	9	306	3.56	18	5	ND	1	50	1	2	2	62	1.40	.062	8	21	1.21	33	.01	2	1.10	.03	.04	4	95
E 104436	1	70	4	37	.1	14	7	311	3.35	17	5	ND	1	47	1	2	2	59	1.82	.062	7	17	1.12	28	.01	2	1.07	.03	.05	1	28
E 104437	1	79	5	38	.1	13	9	299	3.47	13	5	ND	1	51	1	2	2	57	1.61	.063	8	19	1.03	38	.01	3	1.05	.03	.04	3	21
E 104438	1	43	2	375	.1	12	9	331	3.39	15	5	ND	1	46	2	2	2	60	1.94	.060	7	18	1.20	34	.01	4	1.22	.03	.04	1	47
E 104439	1	26	3	286	.1	12	9	413	3.27	11	5	ND	1	56	2	2	2	63	1.79	.065	7	21	1.24	38	.01	2	1.09	.03	.03	2	26
E 104440	1	28	4	100	.1	10	8	400	3.04	259	5	ND	1	75	1	2	2	49	2.64	.063	6	14	1.07	18	.01	4	.91	.02	.06	1	52
STD C/AU-R	18	59	42	132	6.6	73	31	1127	4.21	42	17	8	36	47	18	16	17	61	.50	.093	39	55	.95	184	.07	33	2.05	.06	.14	12	540

ESSO MINERALS CANADA LTD. PROJECT 116 FILE # 88-5086

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
E 104441	1	30	62	131	.3	14	9	538	3.02	492	5	ND	1	119	1	2	2	41	3.76	.060	6	12	1.06	31	.01	2	.47	.02	.05	1	200
E 104442	1	32	11	139	.2	13	9	351	3.01	3	5	ND	1	45	1	2	2	56	1.29	.062	6	18	1.14	21	.03	5	.87	.03	.04	1	36
E 104443	1	44	7	80	.1	14	10	327	3.21	6	5	ND	1	42	1	2	2	50	1.23	.063	5	17	.91	34	.03	3	.70	.03	.05	2	220
E 104444	1	26	9	156	.3	13	9	431	2.89	9	5	ND	1	46	1	2	2	51	1.43	.064	5	17	1.07	32	.04	2	.79	.03	.06	1	9
E 104445	1	27	8	74	.2	14	9	494	3.21	9	5	ND	1	55	1	2	2	49	1.97	.059	7	14	.76	17	.01	3	.43	.01	.03	1	34
E 104446	1	24	11	61	.2	13	10	383	3.37	18	5	ND	1	48	1	2	2	49	2.06	.057	6	12	.71	49	.01	3	.44	.01	.03	1	64
E 104447	1	21	3	54	.1	13	8	454	3.12	16	5	ND	1	74	1	2	2	47	2.84	.060	6	13	1.00	12	.01	5	.51	.02	.02	1	13
E 104448	1	17	5	50	.2	17	8	390	3.03	32	5	ND	1	57	1	3	2	50	2.30	.061	6	12	.80	24	.01	2	.60	.01	.03	1	10
E 104449	1	38	7	64	.2	17	8	396	3.03	108	5	ND	1	48	1	5	2	41	2.87	.064	6	12	.58	12	.01	3	.70	.01	.05	1	31
STD C	18	61	43	133	6.8	73	31	1056	4.20	41	18	8	38	47	18	19	19	61	.49	.091	40	57	.94	196	.06	34	2.00	.06	.14	13	-
E 104450	1	29	4	53	.2	16	10	410	2.79	69	5	ND	1	35	1	7	2	33	1.66	.058	6	8	.54	15	.01	2	.55	.01	.03	1	15
E 104451	1	33	7	48	.1	12	10	466	3.26	26	5	ND	1	34	1	2	2	57	1.72	.072	6	14	.56	11	.01	2	.74	.01	.02	2	9
E 104452	1	33	2	55	.3	18	11	401	3.48	80	5	ND	1	21	1	11	2	32	1.23	.059	6	7	.37	6	.01	2	.52	.01	.01	1	12
E 104453	1	40	4	45	.2	13	10	393	2.99	55	5	ND	1	25	1	7	2	34	1.31	.059	6	10	.52	1	.01	2	.51	.01	.01	4	36
E 104454	1	34	24	57	.3	15	9	532	3.47	162	5	ND	1	45	1	4	2	37	2.45	.056	6	8	.87	11	.01	2	.53	.01	.02	1	31
E 104455	1	20	3	42	.1	13	8	461	3.07	4	5	ND	1	92	1	2	2	52	2.03	.067	8	14	.95	12	.01	2	.52	.02	.02	3	1
E 104456	1	28	8	41	.2	12	9	386	3.03	167	5	ND	1	51	1	2	3	48	1.79	.062	5	15	1.06	22	.04	3	.82	.02	.07	1	15
E 104457	1	43	10	47	.2	13	9	492	3.42	56	5	ND	1	66	1	2	2	60	2.41	.063	5	21	1.29	18	.01	2	1.07	.02	.06	4	19
E 104458	1	26	21	43	.2	10	9	387	3.04	4	5	ND	1	57	1	2	2	49	1.86	.062	5	15	1.02	118	.03	3	.85	.03	.05	1	34
E 104459	1	19	2	42	.1	14	10	433	3.17	10	5	ND	1	66	1	2	2	53	1.89	.062	6	18	1.02	28	.03	5	.87	.02	.04	4	1
E 104460	1	23	14	62	.2	10	9	358	2.68	170	5	ND	1	37	1	2	2	47	1.17	.060	5	19	.93	18	.05	3	.83	.03	.05	1	210
E 104461	1	24	4	34	.1	11	7	327	2.99	139	5	ND	1	58	1	11	2	42	1.52	.064	6	17	.77	16	.03	2	.83	.02	.04	3	14
E 104462	1	26	2	38	.1	14	9	438	2.83	9	5	ND	1	46	1	2	2	58	1.68	.061	6	21	1.11	36	.04	2	.92	.03	.04	1	9
E 104463	1	29	2	39	.1	12	9	410	2.89	7	5	ND	1	57	1	2	2	52	1.64	.061	5	20	1.06	20	.04	3	.82	.03	.04	3	5
E 104464	1	30	2	39	.1	13	9	427	3.06	15	5	ND	1	62	1	2	2	54	1.80	.062	6	16	1.09	14	.03	2	.85	.03	.04	1	33
E 104465	1	35	5	40	.1	12	10	486	3.22	2	5	ND	1	57	1	2	2	61	1.67	.065	7	21	1.23	20	.02	7	.97	.03	.04	3	7
E 104466	1	32	5	39	.1	10	9	470	2.90	7	5	ND	1	82	1	2	2	38	3.91	.060	6	12	.75	23	.01	4	.66	.02	.06	1	23
E 104467	1	31	4	37	.1	8	8	384	2.95	2	5	ND	1	40	1	2	2	61	1.47	.061	6	22	1.15	26	.07	6	1.02	.04	.05	4	31
E 104468	1	38	7	43	.1	13	9	430	3.12	5	5	ND	1	59	1	2	2	64	1.72	.061	6	20	1.21	23	.04	4	.98	.03	.04	1	8
E 104469	1	33	3	37	.1	9	9	401	2.89	3	5	ND	1	42	1	2	2	61	1.48	.063	6	23	1.10	13	.05	2	.98	.04	.04	4	5
E 104470	1	32	2	39	.1	11	9	416	2.91	36	5	ND	1	48	1	2	2	57	1.72	.063	6	18	1.03	22	.04	2	.85	.03	.03	1	10
E 104471	1	29	2	41	.1	13	9	363	2.72	66	5	ND	1	40	1	2	2	53	1.34	.063	5	21	.97	25	.07	6	.87	.04	.04	3	9
E 104472	1	48	161	317	.6	11	9	822	3.05	1111	5	ND	1	66	1	2	4	44	2.73	.060	7	12	.71	22	.01	2	.49	.02	.05	1	1945
E 104473	1	72	19	192	1.2	12	15	649	3.78	992	5	ND	1	104	1	2	2	40	2.99	.058	7	11	.88	14	.01	2	.42	.02	.05	1	1330
E 104474	1	71	46	456	.3	16	9	628	2.98	179	5	ND	1	103	1	2	4	47	2.86	.065	7	11	1.00	15	.01	2	.48	.01	.03	1	88
E 104475	1	25	37	127	.2	9	8	425	2.61	1409	5	ND	1	91	1	5	4	46	2.81	.064	8	11	.78	15	.01	3	.46	.03	.07	2	245
RE E 104472	1	49	163	323	.8	13	9	818	3.05	1113	5	ND	1	66	1	2	2	45	2.75	.062	7	12	.71	23	.01	3	.50	.02	.05	1	1430
E 104476	1	32	2	44	.1	11	9	408	2.90	29	5	ND	1	81	1	2	2	52	2.56	.062	7	16	1.08	38	.01	2	.88	.02	.05	1	31
STD C/AU-R	18	59	38	132	6.6	67	30	1020	4.21	39	16	8	37	48	18	18	22	59	.49	.088	39	57	.94	178	.07	32	2.03	.06	.13	12	530

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPB	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
E 104477	1	36	37	76	.1	16	10	414	3.22	16	5	ND	2	60	1	2	2	61	2.10	.064	7	40	1.29	13	.01	3	1.33	.03	.03	1	27
E 104478	1	34	70	166	.2	18	9	403	3.06	27	5	ND	2	65	1	2	2	57	2.29	.065	7	20	1.12	14	.01	4	1.11	.03	.03	1	48
E 104479	1	36	9	42	.1	12	8	430	3.04	25	5	ND	2	126	1	2	3	45	3.01	.067	7	18	1.27	27	.01	5	.44	.02	.04	1	19
E 104480	1	42	46	100	.2	13	9	528	3.08	200	5	ND	2	130	1	2	3	39	3.30	.062	6	9	1.32	20	.01	2	.36	.01	.05	1	53
E 104481	1	60	51	151	.2	14	9	475	3.12	125	5	ND	2	51	1	2	3	49	1.99	.069	7	16	.69	16	.01	2	.46	.01	.03	1	94
E 104482	1	39	10	44	.1	15	10	372	3.13	20	5	ND	2	39	1	2	3	53	1.39	.069	7	13	.45	13	.01	3	.57	.02	.02	1	11
E 104483	1	49	4	38	.1	15	10	336	3.05	20	5	ND	1	37	1	2	2	44	1.59	.068	6	15	.49	45	.01	2	.47	.01	.03	1	13
E 104484	1	33	6	38	.1	14	9	382	3.06	21	5	ND	1	42	1	2	2	45	1.96	.064	6	11	.67	29	.01	2	.47	.01	.04	1	14
E 104485	1	22	6	30	.1	11	6	477	2.67	47	5	ND	2	78	1	2	2	30	4.34	.054	5	13	1.70	21	.01	2	.31	.01	.04	1	43
E 104486	1	35	4	38	.1	14	9	376	3.18	25	5	ND	2	48	1	2	2	46	2.13	.066	6	10	.82	14	.01	2	.44	.01	.03	1	17
E 104487	1	29	6	37	.1	14	9	400	3.33	24	5	ND	2	61	1	2	2	51	2.37	.068	6	14	.88	11	.01	4	.51	.01	.02	1	23
E 104488	1	31	5	37	.1	16	10	387	3.22	22	5	ND	2	63	1	2	2	48	2.06	.067	6	12	.76	14	.01	5	.50	.02	.03	1	25
E 104489	1	34	5	36	.1	14	9	389	3.13	9	5	ND	2	68	1	2	2	56	2.51	.064	7	22	1.26	12	.01	2	1.08	.01	.02	1	39
E 104490	1	21	5	33	.1	12	8	421	2.96	12	5	ND	2	94	1	2	2	49	2.99	.060	7	13	1.34	11	.01	3	.75	.01	.02	1	18
E 104491	1	25	4	35	.1	14	9	418	3.12	11	5	ND	1	85	1	2	2	51	2.55	.063	7	20	1.09	14	.01	5	.61	.02	.02	1	16
E 104492	1	23	3	36	.1	14	8	435	3.12	14	5	ND	2	108	1	2	2	47	3.03	.063	7	11	1.26	14	.01	2	.37	.02	.02	1	9
RE E 104496	1	25	5	33	.1	14	10	402	3.16	16	5	ND	2	61	1	2	2	48	2.08	.065	7	12	.97	18	.01	2	.30	.01	.03	1	14
E 104493	1	30	4	38	.1	13	9	364	3.14	13	5	ND	2	66	1	2	2	51	2.64	.066	6	17	.98	13	.01	2	.55	.02	.02	1	45
E 104494	1	27	6	41	.1	17	10	418	3.15	17	5	ND	1	67	1	2	3	51	2.27	.064	6	12	.91	15	.01	2	.42	.01	.05	1	530
E 104495	1	23	5	33	.1	13	9	364	2.97	9	5	ND	2	67	1	2	2	47	2.03	.061	7	17	.88	20	.01	2	.37	.02	.03	1	17
E 104496	1	26	6	34	.1	14	9	394	3.04	19	5	ND	2	61	1	2	3	48	2.07	.063	7	11	.97	19	.01	3	.30	.01	.04	1	21
E 104497	1	30	11	47	.1	12	8	435	3.03	7	5	ND	2	70	1	2	2	46	2.51	.063	7	17	.92	21	.01	2	.42	.02	.05	1	64
E 104498	1	26	5	34	.1	15	8	390	2.95	12	5	ND	1	76	1	2	2	51	2.37	.063	6	15	1.06	18	.01	3	.83	.02	.04	1	47
E 104499	1	31	4	35	.1	13	9	371	3.00	19	5	ND	2	72	1	2	2	47	2.40	.062	7	16	.88	16	.01	2	.56	.01	.03	1	41
E 104500	1	31	7	38	.1	15	9	430	3.13	14	5	ND	2	69	1	2	3	56	2.40	.065	7	19	1.29	13	.01	2	.99	.01	.03	1	46
E 104501	1	29	8	80	.1	14	9	385	3.09	13	5	ND	1	68	1	2	2	51	2.60	.063	7	24	1.10	19	.01	2	.88	.02	.05	1	48
E 104502	1	28	5	47	.1	13	9	425	3.00	119	5	ND	2	106	1	2	2	43	2.86	.063	7	11	1.09	32	.01	2	.34	.01	.06	1	89
E 104503	1	26	3	46	.1	13	9	403	2.82	16	5	ND	2	68	1	2	2	43	2.48	.060	6	17	.98	18	.01	2	.51	.01	.04	2	53
E 104504	1	27	6	34	.1	13	9	458	2.99	22	5	ND	2	64	1	2	2	48	2.74	.061	7	15	1.22	16	.01	2	.83	.01	.04	2	27
E 104505	1	20	6	33	.1	12	8	480	2.94	20	5	ND	2	64	1	2	2	49	2.74	.062	7	22	1.17	17	.01	2	1.05	.01	.04	1	69
E 104506	1	23	51	36	.3	14	8	536	2.84	116	5	ND	2	82	1	2	3	43	3.58	.059	7	15	1.13	30	.01	2	.89	.01	.05	1	156
STD C	18	56	42	128	6.7	67	29	1045	4.16	42	19	6	36	47	17	18	18	55	.48	.089	34	55	.92	163	.06	31	2.03	.06	.13	13	-
E 104507	1	31	17	36	.3	11	8	753	2.86	6535	5	ND	2	108	1	7	2	30	4.32	.057	6	16	1.33	33	.01	2	.46	.01	.08	1	480
E 104508	1	23	13	25	.2	11	9	1147	2.76	3176	5	ND	2	141	1	3	2	28	6.08	.055	6	9	1.45	37	.01	2	.41	.01	.06	1	270
E 104509	1	19	5	32	.1	13	8	385	2.89	32	5	ND	1	70	1	2	2	44	3.06	.061	6	20	1.19	23	.01	2	.90	.01	.06	1	134
E 104510	1	22	7	34	.1	14	9	392	3.03	11	5	ND	1	72	1	2	2	50	2.72	.063	6	16	1.31	19	.01	2	.79	.01	.04	1	56
E 104511	1	25	5	35	.1	14	8	409	3.07	12	5	ND	2	69	1	2	2	52	2.59	.063	6	24	1.17	23	.01	2	.67	.02	.03	1	51
E 104512	1	21	2	33	.1	11	7	396	2.77	14	5	ND	2	107	1	2	3	37	3.52	.055	6	9	1.17	71	.01	2	.28	.01	.04	1	43
STD C/AU-R	18	58	37	132	6.8	68	29	1057	4.23	41	16	7	36	47	18	17	20	57	.51	.090	35	56	.93	173	.06	32	1.95	.06	.13	12	490

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
E 104513	1	30	2	37	.1	15	9	382	2.96	4	5	ND	1	67	1	2	2	60	1.73	.058	8	26	1.12	12	.01	3	.69	.03	.02	1	42
STD C	18	56	35	128	6.5	68	30	1031	3.97	41	20	7	38	46	19	16	21	58	.45	.086	40	53	.86	163	.07	32	1.86	.06	.14	13	-
E 104514	1	30	4	35	.1	15	9	397	3.03	5	5	ND	1	57	1	2	2	66	1.83	.056	7	25	1.19	20	.01	2	1.04	.03	.04	1	45
E 104515	1	29	4	36	.1	14	9	390	2.75	10	5	ND	1	71	1	2	2	59	2.21	.056	6	28	1.19	15	.01	3	1.00	.02	.06	1	49
E 104516	1	26	23	28	.2	11	9	498	2.48	791	5	ND	1	122	1	3	2	38	3.94	.053	5	14	1.22	20	.01	2	.58	.01	.07	1	260
E 104517	1	29	6	37	.1	14	9	362	2.88	7	5	ND	1	61	1	2	2	60	2.06	.059	6	28	1.10	17	.01	2	.98	.03	.05	1	70
E 104518	1	31	2	35	.1	15	9	354	2.70	2	5	ND	1	107	1	2	2	54	2.49	.056	6	20	1.27	30	.01	2	.75	.03	.06	1	57
E 104519	1	26	2	34	.1	15	10	325	2.58	6	5	ND	1	65	1	2	2	62	1.99	.058	7	29	1.20	15	.01	2	1.10	.03	.05	1	32
E 104520	1	21	2	34	.1	13	8	339	2.37	6	5	ND	1	121	1	2	2	50	2.92	.057	6	18	1.09	24	.01	7	.74	.02	.07	1	39
E 104521	1	17	2	34	.5	11	6	306	1.94	11	5	ND	1	106	1	2	22	36	2.82	.052	4	18	.66	27	.01	2	.51	.02	.07	1	2240
E 104522	1	29	2	30	.4	12	8	480	2.66	36	5	ND	1	155	1	2	3	26	4.51	.049	4	11	1.55	26	.01	2	.27	.01	.08	2	310
E 104523	1	25	3	39	.1	14	9	350	2.90	3	5	ND	1	81	1	2	2	39	2.44	.057	5	23	.84	26	.01	2	.42	.02	.08	1	81
E 104524	1	27	2	486	.1	13	10	332	2.86	3	5	ND	1	123	1	2	2	42	2.94	.056	6	13	1.04	34	.01	3	.42	.02	.08	1	115
E 104525	1	27	2	35	.1	12	9	305	2.89	15	5	ND	1	109	1	2	2	46	2.27	.057	7	20	1.10	26	.01	4	.39	.03	.07	1	171
E 104526	1	30	5	39	.1	16	10	289	2.89	36	5	ND	1	89	1	2	2	47	2.26	.055	6	20	.96	41	.01	4	.99	.11	.12	1	305
E 104527	1	32	2	40	.1	16	11	344	3.14	14	5	ND	1	61	1	2	2	50	1.97	.057	8	26	.83	35	.01	4	.43	.03	.06	1	200
E 104528	1	46	7	35	.1	14	11	299	3.19	11	5	ND	1	64	1	2	2	40	2.34	.058	7	13	.93	19	.01	2	.31	.02	.06	1	58
E 104529	3	37	5	33	.1	14	8	294	2.61	13	5	ND	1	79	1	2	2	39	2.97	.056	8	19	1.04	35	.01	2	.29	.02	.08	1	83
E 104530	1	64	5	38	.1	14	14	303	3.37	15	5	ND	1	91	1	2	2	42	2.61	.060	7	15	1.10	62	.01	6	.39	.02	.08	1	210
RE E 104526	1	26	2	36	.1	14	8	247	2.69	32	5	ND	1	87	1	2	2	42	2.24	.048	5	25	.91	44	.02	5	1.08	.12	.13	1	165
E 104531	3	58	2	35	.1	13	10	270	2.72	5	5	ND	1	77	1	2	3	41	2.43	.057	8	22	1.06	42	.01	3	.48	.02	.08	1	58
E 104532	3	43	6	33	.2	15	9	277	2.42	15	5	ND	1	77	1	2	2	39	2.45	.057	8	16	1.13	37	.01	6	.57	.03	.11	1	116
E 104533	1	49	2	33	.1	12	10	276	2.51	9	5	ND	1	75	1	2	2	40	2.10	.056	8	26	1.09	31	.01	2	.62	.03	.09	1	85
E 104534	2	33	2	38	.1	14	8	289	2.26	10	5	ND	1	76	1	2	2	41	2.11	.059	7	17	1.11	20	.01	4	.59	.02	.07	1	68
E 104535	22	32	2	34	.1	13	7	288	2.17	13	5	ND	1	66	1	2	2	43	2.05	.055	7	24	1.11	18	.01	2	.74	.02	.06	1	260
E 104536	3	65	2	39	.1	15	11	276	3.05	11	5	ND	1	46	1	2	2	56	1.36	.059	8	22	1.22	13	.01	2	1.14	.02	.06	1	169
E 104537	4	50	2	39	.1	16	10	306	2.63	17	5	ND	1	61	1	2	2	54	1.91	.058	7	31	1.20	16	.01	4	.98	.03	.07	1	132
E 104538	1	27	62	89	.3	55	11	1035	4.41	274	5	ND	1	289	2	2	2	64	12.17	.020	7	55	4.27	13	.01	5	.42	.02	.04	2	94
STD C/AU-R	18	59	43	132	7.0	68	30	1026	4.08	39	23	8	39	48	19	16	23	61	.48	.091	40	55	.89	181	.07	33	1.98	.06	.15	11	490

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

FILE COPY

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: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

OCT 20 1988

DATE RECEIVED: OCT 7 1988 DATE REPORT MAILED: Oct 18/88 SIGNED BY. C. Leong ..D.TOYE, C.LEONG, B.CHAN, J.WANG; CERTIFIED B.C. ASSAYERS

Assayed 88-10-20

ESSO MINERALS CANADA LTD. PROJECT 116 File # 88-5087 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
E 104539	1	7	7	69	.1	10	8	506	2.64	6	5	ND	1	42	1	2	4	35	1.99	.067	7	10	1.01	39	.01	6	1.39	.02	.07	1	1
STD C	18	61	41	132	6.6	64	31	1043	4.18	41	18	8	38	47	18	18	21	55	.47	.088	38	52	.93	163	.06	33	1.98	.06	.14	13	-
E 104540	1	4	6	69	.1	12	8	537	2.71	19	5	ND	2	47	1	2	3	34	2.33	.067	6	11	1.03	42	.01	2	1.47	.02	.08	1	4
E 104541	1	19	10	77	.3	9	8	777	2.76	114	5	ND	2	50	1	2	3	30	2.34	.070	7	10	.96	50	.01	2	1.35	.02	.11	1	23
RE E 104546	1	28	48	473	.5	11	8	774	2.78	258	5	ND	1	43	2	2	3	27	2.48	.066	6	10	.95	59	.01	7	1.33	.02	.13	1	102
E 104542	1	2	7	59	.1	11	9	512	2.72	5	5	ND	1	74	1	2	4	29	2.87	.066	8	10	1.01	39	.01	3	1.47	.02	.09	1	4
E 104543	1	8	5	55	.1	9	8	569	2.67	4	5	ND	2	70	1	3	3	31	2.94	.062	8	10	.99	39	.01	7	1.45	.03	.08	1	8
E 104544	1	15	16	45	.1	10	7	623	2.55	7	5	ND	1	55	1	2	2	26	2.64	.064	7	10	.95	46	.01	2	1.31	.02	.10	1	6
E 104545	1	20	71	97	.4	10	6	739	2.73	107	5	ND	2	35	1	2	4	28	2.29	.062	7	10	.92	56	.01	6	1.33	.02	.12	1	49
E 104546	1	29	47	465	.4	11	7	765	2.75	256	5	ND	1	43	2	3	3	27	2.46	.064	6	10	.94	58	.01	5	1.33	.02	.13	1	111
E 104547	1	5	7	49	.1	12	8	626	2.75	16	5	ND	2	76	1	3	2	28	3.08	.062	6	10	.97	62	.01	5	1.45	.03	.11	2	4
E 104548	1	4	6	51	.1	11	8	625	2.73	27	5	ND	1	64	1	3	2	29	2.69	.062	7	10	1.00	172	.01	4	1.49	.03	.10	1	15
E 104549	1	15	69	114	.4	10	8	600	2.70	55	5	ND	2	55	1	2	3	26	2.72	.061	6	10	.96	52	.01	6	1.30	.02	.11	1	135
E 104550	1	9	8	54	.2	10	8	647	2.80	14	5	ND	2	57	1	2	2	28	2.60	.064	7	10	1.00	59	.01	2	1.45	.02	.12	1	10
E 104551	1	16	27	81	.2	11	7	637	2.65	45	5	ND	1	55	1	2	2	26	2.76	.061	6	10	.97	56	.01	6	1.30	.02	.12	1	15
E 104552	1	15	20	71	.2	10	8	655	2.67	49	5	ND	1	64	1	2	2	25	3.09	.063	6	9	.97	52	.01	3	1.28	.02	.11	1	30
E 104553	1	5	8	88	.1	11	7	642	2.74	15	5	ND	2	74	1	2	2	25	3.17	.064	5	10	.99	50	.01	3	1.37	.02	.11	1	9
E 104554	1	10	40	289	.2	11	7	649	2.70	62	5	ND	1	59	1	2	2	26	2.88	.063	5	10	.98	58	.01	2	1.35	.02	.12	1	54
E 104555	1	10	80	152	.3	12	8	627	2.64	156	5	ND	1	67	1	2	2	26	2.97	.062	6	11	.98	55	.01	5	1.35	.03	.12	1	280
E 104556	1	12	33	68	.2	9	8	560	2.70	57	5	ND	1	47	1	2	2	26	2.30	.066	7	9	.99	53	.01	8	1.33	.03	.10	1	17
E 104557	1	19	17	69	.2	8	7	608	2.69	27	5	ND	1	49	1	2	2	25	2.81	.063	6	14	.97	48	.01	5	1.28	.02	.11	1	19
E 104558	1	7	10	63	.1	11	7	532	2.74	8	5	ND	2	77	1	2	3	28	3.11	.065	6	10	1.02	46	.01	6	1.39	.03	.10	1	1
E 104559	1	11	25	84	.1	9	7	530	2.83	23	5	ND	1	64	1	2	3	32	2.68	.065	7	19	1.04	55	.01	4	1.51	.03	.10	1	6
E 104560	1	11	23	60	.1	11	7	552	2.88	14	5	ND	2	55	1	2	2	32	2.29	.063	7	11	1.04	55	.01	5	1.51	.03	.09	1	5
E 104561	1	8	9	76	.1	10	8	416	2.62	6	5	ND	1	41	1	2	2	36	2.05	.066	4	19	1.04	53	.01	9	1.44	.03	.09	1	1
E 104562	1	18	10	134	.2	10	9	581	2.99	34	5	ND	2	32	1	2	2	41	1.42	.068	7	12	1.12	56	.01	10	1.55	.03	.08	1	11
E 104563	1	18	18	327	.3	10	8	617	2.91	296	5	ND	2	39	2	2	2	36	1.97	.063	7	20	1.06	53	.01	7	1.43	.02	.10	1	62
E 104564	1	6	6	59	.1	12	8	478	2.76	5	5	ND	2	45	1	2	2	42	2.01	.065	5	12	1.08	59	.04	7	1.35	.03	.08	1	1
E 104565	1	17	9	74	.1	10	8	557	2.85	64	5	ND	1	36	1	3	3	37	1.73	.064	7	21	1.07	48	.01	5	1.38	.02	.09	1	495
E 104566	1	6	6	81	.1	11	7	390	2.86	27	5	ND	1	30	1	2	2	42	1.55	.063	5	12	1.06	31	.02	7	1.33	.03	.06	1	2
E 104567	1	6	5	63	.1	10	7	356	2.76	2	5	ND	1	52	1	3	2	44	1.36	.062	3	20	1.06	57	.08	7	1.25	.04	.05	1	1
E 104568	1	13	17	175	.1	10	10	515	2.79	6	5	ND	1	47	1	3	2	41	1.81	.062	4	11	1.04	52	.06	10	1.32	.03	.06	1	1
E 104569	1	12	11	89	.1	10	8	511	2.90	37	5	ND	1	55	1	3	2	39	1.85	.061	4	20	1.08	59	.03	4	1.46	.03	.08	1	9
E 104570	1	9	5	75	.1	13	9	336	2.86	14	5	ND	1	87	1	2	2	50	1.09	.064	4	13	1.13	44	.08	10	1.30	.05	.04	1	2
E 104571	1	30	2	79	.2	10	8	372	2.69	16	5	ND	2	29	1	2	2	45	1.36	.065	5	21	1.09	23	.06	5	1.22	.04	.05	1	1
E 104572	2	16	12	322	.2	13	7	481	2.79	90	5	ND	1	34	1	2	2	44	1.73	.058	6	13	1.10	49	.03	12	1.35	.03	.08	1	95
E 104573	1	12	8	44	.1	10	5	668	2.83	6	5	ND	1	59	1	2	3	22	3.15	.065	4	21	.94	35	.01	6	1.29	.02	.13	2	31
E 104574	9	19	8	245	.1	11	4	644	2.66	17	5	ND	1	55	1	2	2	24	2.94	.065	5	10	.96	35	.01	6	1.28	.02	.13	1	7
STD C/AU-R	18	62	44	132	6.5	68	31	1019	4.27	42	17	8	39	48	18	16	20	57	.49	.093	40	53	.95	177	.07	33	2.07	.06	.13	13	480

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPB	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
E 104575	1	124	16	145	.9	228	32	1204	5.89	84	5	ND	2	143	1	2	2	128	4.74	.041	4	267	4.73	40	.21	3	4.30	.06	.09	1	2
E 104576	1	72	8	98	.4	214	32	717	5.40	21	5	ND	2	168	1	2	2	119	2.62	.046	4	192	4.77	34	.26	3	4.32	.10	.16	1	5
E 104577	1	80	12	107	.5	237	33	636	4.97	22	5	ND	1	111	1	2	2	88	1.57	.041	3	196	4.99	13	.25	8	3.59	.03	.09	1	1
E 104578	1	73	24	106	.4	185	33	729	5.80	12	5	ND	2	98	1	4	2	116	2.12	.054	4	160	4.56	8	.27	4	3.68	.02	.13	1	1
E 104579	1	75	28	153	.6	226	37	860	6.54	17	5	ND	1	128	1	2	2	142	2.15	.049	3	227	5.88	7	.28	4	4.43	.02	.12	1	2
E 104580	1	74	8	98	.5	195	33	819	6.26	14	5	ND	2	110	1	2	2	154	2.72	.048	4	222	5.37	12	.28	4	4.03	.01	.08	1	1
E 104581	1	70	8	95	.6	205	35	877	6.46	17	5	ND	2	115	1	2	2	162	3.54	.046	5	263	6.08	5	.24	3	4.45	.01	.06	1	1
E 104582	1	63	16	100	.6	188	32	899	5.89	36	5	ND	2	108	1	2	2	149	4.70	.045	5	225	4.52	9	.26	3	3.59	.01	.07	1	2
E 104583	1	69	9	117	.6	195	33	746	5.67	14	5	ND	2	166	1	2	2	131	2.51	.046	4	195	4.69	20	.24	4	4.01	.10	.23	1	2
E 104584	1	56	24	404	.6	229	30	769	4.96	59	5	ND	1	107	1	4	2	100	2.82	.042	3	279	4.46	16	.18	2	3.59	.07	.11	1	12
E 104585	1	175	6	73	.6	32	16	539	3.37	9	5	ND	1	49	1	2	2	73	2.37	.064	7	32	1.81	10	.06	3	1.74	.03	.04	1	8
E 104586	1	6	4	68	.1	26	12	499	3.37	7	5	ND	1	44	1	2	2	62	2.10	.064	5	28	1.66	12	.06	3	1.69	.03	.04	1	3
E 104587	1	44	6	64	.1	19	13	525	3.22	3	5	ND	1	47	1	2	2	52	2.31	.063	6	21	1.46	15	.01	2	1.57	.02	.06	1	1
E 104588	1	31	6	68	.2	19	12	549	3.17	5	5	ND	1	46	1	2	2	54	2.31	.064	6	21	1.48	12	.03	3	1.54	.02	.05	1	10
E 104589	1	31	6	72	.1	19	11	486	3.13	5	5	ND	1	40	1	2	2	55	2.25	.062	5	21	1.50	11	.05	5	1.56	.03	.05	1	2
E 104590	1	20	7	68	.1	18	12	517	3.08	6	5	ND	1	43	1	2	2	52	2.32	.060	4	19	1.48	14	.06	3	1.54	.02	.05	1	3
E 104591	1	14	5	69	.1	17	11	412	3.06	3	5	ND	1	38	1	2	2	52	1.71	.063	4	19	1.47	12	.06	2	1.47	.03	.05	1	2
E 104592	1	16	8	75	.2	19	12	492	3.22	15	5	ND	1	40	1	2	2	54	2.11	.064	4	20	1.55	27	.06	4	1.57	.02	.06	1	6
E 104593	1	7	10	68	.1	18	11	470	3.02	4	5	ND	1	41	1	2	2	49	2.19	.064	4	20	1.47	16	.05	2	1.53	.02	.06	1	2
E 104594	1	8	6	64	.1	17	11	492	3.03	5	5	ND	1	47	1	2	3	52	2.84	.064	7	19	1.45	17	.01	4	1.55	.02	.06	1	2
E 104595	1	9	26	80	.1	18	11	539	3.09	15	5	ND	1	57	1	2	4	44	3.00	.063	6	20	1.44	30	.03	3	1.60	.02	.08	1	61
E 104596	1	8	61	96	.2	18	11	557	3.23	147	5	ND	1	56	1	2	2	43	2.98	.065	7	18	1.43	25	.02	2	1.62	.02	.08	1	220
E 104597	1	8	6	66	.1	17	11	531	3.28	7	5	ND	1	50	1	2	2	48	2.68	.067	6	21	1.48	27	.03	4	1.66	.02	.07	1	220
E 104598	1	38	7	63	.1	19	11	497	3.17	3	5	ND	1	43	1	2	2	50	2.72	.062	7	20	1.49	28	.02	7	1.64	.02	.06	1	5
E 104599	1	29	6	61	.1	18	11	487	3.09	2	5	ND	1	53	1	2	2	47	2.94	.064	7	21	1.45	28	.01	3	1.64	.02	.08	1	40
E 104600	1	31	6	56	.1	17	10	518	2.95	5	5	ND	1	64	1	2	2	41	3.80	.066	8	18	1.37	90	.01	3	1.58	.01	.09	1	20
STD C	19	61	41	134	6.8	67	32	1032	4.32	42	17	8	39	47	19	18	22	57	.51	.093	40	53	.96	168	.06	32	2.00	.06	.14	13	-
E 104601	1	16	14	58	.1	18	11	525	2.99	8	5	ND	1	71	1	2	2	44	4.19	.062	8	19	1.36	28	.01	5	1.59	.01	.07	1	21
E 104602	1	26	7	58	.1	18	10	549	3.12	3	5	ND	1	73	1	2	2	45	3.40	.060	8	18	1.40	28	.01	6	1.68	.02	.08	1	12
E 104603	1	24	10	55	.1	18	9	588	3.04	7	5	ND	1	80	1	2	2	41	4.05	.063	8	19	1.35	30	.01	5	1.57	.02	.10	1	7
E 104604	1	29	8	52	.1	18	10	599	3.01	8	5	ND	1	69	1	2	2	39	4.52	.061	8	16	1.29	22	.01	8	1.51	.01	.10	1	37
E 104605	1	19	5	57	.1	16	11	579	3.33	4	5	ND	1	69	1	2	2	46	3.81	.063	8	19	1.44	26	.01	7	1.69	.02	.08	1	68
E 104606	1	16	4	48	.1	19	10	529	2.98	13	5	ND	1	70	1	2	2	38	3.57	.062	7	17	1.33	25	.01	6	1.47	.02	.09	1	16
E 104607	1	20	8	50	.1	18	11	555	3.19	3	5	ND	1	81	1	2	2	43	3.52	.065	7	19	1.44	29	.01	8	1.61	.02	.08	1	10
E 104608	1	22	4	46	.1	16	9	578	3.00	6	5	ND	1	72	1	2	3	37	3.99	.063	7	16	1.31	27	.01	7	1.48	.01	.10	1	22
E 104609	1	12	13	48	.1	18	9	500	2.88	9	5	ND	1	65	1	2	2	40	3.85	.063	7	18	1.31	25	.01	3	1.58	.01	.11	3	10
RE E 104605	1	18	7	56	.1	18	11	577	3.28	5	5	ND	1	69	1	2	2	46	3.78	.065	8	18	1.43	27	.01	6	1.68	.02	.09	1	54
E 104610	1	4	9	48	.1	18	10	444	3.03	6	5	ND	1	77	1	2	3	42	3.58	.064	8	17	1.34	20	.01	6	1.64	.02	.08	1	6
STD C/AU-R	18	62	39	132	6.7	69	31	1015	4.24	41	16	8	38	48	18	20	21	57	.49	.089	40	53	.94	178	.07	33	2.06	.06	.13	12	530

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
E 104611	1	5	10	49	.1	17	9	483	2.94	6	5	ND	1	83	1	3	2	44	3.79	.061	8	25	1.28	46	.01	15	1.48	.02	.11	1	2
E 104612	1	7	35	65	.1	18	10	474	3.01	5	5	ND	1	80	1	2	2	45	3.73	.063	8	27	1.36	56	.01	8	1.53	.02	.12	1	7
E 104613	1	7	8	52	.1	18	9	457	2.99	2	5	ND	1	69	1	2	2	45	3.68	.063	9	26	1.35	25	.01	9	1.54	.02	.10	1	4
E 104614	1	4	13	47	.1	17	9	494	2.99	3	5	ND	1	85	1	3	2	42	3.45	.059	8	25	1.28	25	.01	11	1.49	.02	.09	1	14
E 104615	1	4	3	52	.1	20	11	512	3.48	8	5	ND	1	80	1	3	3	50	3.35	.064	8	31	1.46	32	.01	7	1.66	.02	.10	1	53
E 104616	1	10	25	56	.2	17	9	526	2.97	8	5	ND	1	72	1	2	2	44	3.70	.059	8	27	1.30	27	.01	7	1.50	.02	.13	1	13
E 104617	1	8	8	53	.1	18	9	503	3.12	6	5	ND	1	73	1	3	2	51	3.37	.060	8	29	1.43	27	.01	7	1.57	.02	.08	1	7
E 104618	1	5	2	48	.1	15	9	595	3.12	7	5	ND	1	78	1	2	3	48	3.80	.062	6	25	1.32	33	.01	9	1.52	.02	.11	1	11
E 104619	1	8	14	54	.2	16	10	581	2.90	6	5	ND	1	75	1	2	2	47	3.73	.059	5	24	1.20	26	.01	8	1.37	.02	.11	1	49
E 104620	1	19	4	44	.1	16	11	620	2.77	6	5	ND	1	82	1	3	2	51	4.10	.058	5	26	1.21	34	.01	7	1.36	.02	.13	2	9
E 104621	1	44	34	48	.4	18	15	692	2.75	16	5	ND	1	79	1	2	2	59	3.89	.061	5	27	1.29	26	.01	9	1.38	.01	.11	1	113
E 104622	1	32	10	236	.1	22	13	315	3.92	5	5	ND	1	21	1	3	2	65	.29	.066	7	26	.24	18	.01	8	.61	.02	.03	1	4
E 104623	1	42	3	228	.1	22	12	479	3.76	2	5	ND	1	17	1	2	2	64	.34	.066	7	30	.55	44	.01	9	.74	.02	.03	1	64
E 104624	1	39	7	145	.2	21	12	443	3.64	4	5	ND	1	17	1	2	3	63	.35	.063	5	32	.67	19	.04	10	.79	.03	.03	1	19
E 104625	1	36	6	175	.1	26	14	326	3.54	7	5	ND	1	25	1	2	3	61	.32	.066	7	25	.16	16	.01	6	.61	.02	.02	1	32
E 104626	1	32	7	151	.2	27	12	350	3.27	6	5	ND	1	25	1	2	2	61	.46	.065	7	28	.24	27	.01	9	.55	.03	.03	1	20
E 104627	1	24	5	386	.1	24	13	298	3.46	9	5	ND	1	26	1	2	2	58	.45	.069	8	23	.24	21	.01	6	.62	.02	.03	1	15
E 104628	1	28	5	559	.2	21	10	303	3.05	2	5	ND	1	25	2	2	3	57	.73	.063	4	29	.60	16	.05	10	.72	.03	.03	1	12
E 104629	1	29	9	357	.1	21	11	488	3.47	2	5	ND	1	73	1	2	2	58	2.09	.062	6	30	.95	17	.01	9	.62	.02	.02	1	25
E 104630	1	42	4	442	.3	21	11	394	3.13	2	5	ND	2	59	2	2	2	52	1.13	.066	8	26	.41	18	.01	11	.50	.02	.03	1	13
E 104631	1	42	2	765	.1	21	11	379	3.28	2	5	ND	1	27	1	2	2	62	.69	.062	5	34	1.01	17	.04	7	.95	.03	.03	1	28
E 104632	1	43	8	633	.1	21	11	437	3.37	4	5	ND	1	82	2	2	3	47	2.74	.065	7	27	.64	39	.01	7	.46	.02	.03	1	35
STD C	18	61	38	134	7.0	70	31	1062	4.27	42	22	8	38	47	19	18	20	59	.46	.095	40	59	.89	175	.06	33	1.92	.06	.15	13	-
E 104633	1	49	6	363	.3	18	10	481	3.57	4	5	ND	1	100	2	2	2	46	3.80	.062	7	26	.96	63	.01	9	.47	.01	.04	1	42
E 104634	1	67	7	137	1.3	16	9	397	3.64	24	5	ND	1	68	1	2	2	29	2.66	.052	5	23	.46	41	.01	12	.43	.01	.07	1	2505
E 104635	1	59	8	423	.3	21	11	468	3.88	23	5	ND	1	56	2	2	2	49	2.22	.063	7	23	.49	153	.01	6	.51	.01	.05	1	135
RE E 104632	1	43	5	638	.1	20	11	443	3.40	5	5	ND	1	83	5	3	2	48	2.78	.066	8	26	.65	39	.01	8	.47	.02	.04	1	22
E 104636	1	60	14	166	.3	20	11	502	3.95	5	5	ND	2	96	2	2	2	46	2.24	.063	8	32	.78	34	.01	13	.50	.02	.06	1	57
E 104637	1	62	5	59	.3	21	11	437	3.95	2	5	ND	1	86	1	2	3	45	2.64	.062	6	21	.80	36	.01	14	.34	.02	.06	1	54
STD C/AU-R	17	59	41	132	6.8	68	29	1018	4.12	42	22	8	37	47	18	16	19	59	.47	.091	39	56	.89	177	.07	33	1.93	.06	.15	11	495

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX( )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 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-P3 CORE P4 ROCK P5 SOIL AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

OCT 20 1988

DATE RECEIVED: OCT 7 1988 DATE REPORT MAILED: Oct 20/88 SIGNED BY. C. Leong ..D.TOYE, C.LEONG, B.CHAN, J.WANG; CERTIFIED B.C. ASSAYERS

FILE COPY

ESSO MINERALS CANADA LTD. PROJECT 116 File # 88-5088 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
E 104638	2	70	12	46	.1	20	10	424	4.22	8	5	ND	1	68	1	2	2	36	2.02	.055	4	20	.64	29	.01	2	.29	.01	.08	1	113
E 104639	1	62	11	45	.2	22	8	410	3.53	3	5	ND	1	82	1	2	2	44	2.57	.067	5	25	.86	37	.01	2	.53	.02	.10	1	1305
E 104640	1	44	2	53	.1	21	10	340	3.36	5	5	ND	1	40	1	2	2	49	1.60	.066	6	25	.55	18	.01	2	.46	.02	.03	1	35
E 104641	1	34	11	40	.1	21	9	350	3.25	4	5	ND	1	41	1	2	2	53	1.22	.070	5	34	1.05	16	.05	4	.79	.03	.04	1	5
E 104642	2	44	10	35	.1	23	9	336	3.03	4	5	ND	1	37	1	2	2	56	1.26	.067	5	38	1.18	17	.07	3	.89	.04	.04	1	1
E 104643	1	40	3	36	.2	20	9	321	2.86	4	5	ND	1	101	1	2	2	56	1.51	.056	6	34	1.20	18	.02	3	.70	.03	.03	1	685
STD C	17	57	44	131	7.2	64	29	950	4.06	43	21	7	36	45	18	17	22	56	.45	.092	37	55	.86	164	.06	31	1.82	.06	.14	11	-
E 104644	2	38	5	41	.1	22	9	305	3.02	3	5	ND	1	32	1	2	2	59	1.25	.067	4	39	1.22	45	.08	8	.94	.04	.04	1	7
E 104645	1	36	7	59	.1	21	10	386	3.20	2	5	ND	1	40	1	2	2	68	1.40	.074	4	54	1.37	24	.08	7	1.05	.04	.04	1	1
E 104646	5	37	11	332	.1	20	10	329	2.88	4	5	ND	1	33	2	2	2	58	.89	.069	6	36	1.08	16	.02	3	.83	.03	.03	1	73
E 104647	1	41	13	253	.1	21	9	404	3.20	4	5	ND	2	52	2	2	2	58	.97	.057	6	38	.91	29	.01	3	.60	.03	.03	1	12
E 104648	1	37	17	547	.1	21	10	416	3.13	3	5	ND	1	37	1	2	2	57	1.08	.068	5	46	1.16	13	.04	5	.85	.03	.03	1	40
E 104649	1	38	11	648	.1	23	11	413	3.28	6	5	ND	1	49	3	2	2	57	1.46	.069	6	32	.87	13	.01	3	.57	.02	.02	1	35
E 104650	1	40	6	104	.1	21	10	354	3.13	6	5	ND	1	49	1	2	2	58	1.40	.067	5	40	1.06	13	.03	10	.74	.02	.03	1	22
E 104651	1	37	6	57	.1	23	10	382	3.33	6	5	ND	1	52	1	2	2	63	1.29	.068	4	40	1.42	15	.03	4	.85	.02	.03	1	34
E 104652	1	31	4	40	.1	22	9	289	2.71	3	5	ND	1	40	1	2	2	59	1.30	.060	5	48	1.20	21	.04	4	.83	.03	.05	1	860
E 104653	2	46	5	38	.1	22	12	263	3.28	2	5	ND	1	37	1	2	2	55	.96	.073	5	35	1.15	22	.04	6	.78	.03	.05	1	89
E 104654	1	53	9	48	.3	22	13	359	3.58	3	5	ND	2	45	3	2	2	58	1.41	.075	6	45	1.29	15	.02	6	.80	.02	.04	1	29
E 104655	1	51	5	104	.1	23	11	328	3.30	6	5	ND	1	41	1	2	2	57	1.18	.061	5	37	1.23	15	.02	3	.79	.02	.03	1	28
E 104656	1	101	9	82	.2	19	15	281	6.38	8	5	ND	1	63	1	2	2	77	.67	.077	6	41	.94	15	.01	3	.63	.02	.06	1	139
E 104657	1	52	13	53	.1	20	11	227	3.34	9	5	ND	1	47	1	2	2	47	.95	.067	7	29	.62	12	.01	7	.37	.02	.03	1	46
E 104658	4	49	12	42	.2	24	12	246	3.34	64	5	ND	1	32	2	2	2	58	.69	.068	4	35	1.10	25	.04	4	.75	.02	.05	1	196
E 104659	1	47	6	40	.1	20	11	266	3.26	2	5	ND	1	29	1	2	2	59	.67	.068	5	45	1.10	17	.04	4	.79	.03	.04	1	41
E 104660	2	46	3	38	.2	21	11	262	3.09	7	5	ND	1	53	1	2	2	53	1.20	.067	6	32	1.02	20	.01	6	.61	.03	.04	1	20
E 104661	3	41	6	37	.1	25	11	240	2.90	3	5	ND	1	46	1	2	2	51	1.15	.067	6	30	.82	16	.01	6	.49	.02	.03	1	28
E 104662	2	46	7	38	.2	23	11	252	3.10	4	5	ND	2	52	1	2	2	54	1.31	.069	7	31	.79	18	.01	7	.47	.03	.04	1	5
E 104663	2	42	6	43	.1	27	11	274	3.25	9	5	ND	1	68	1	2	2	61	1.94	.073	6	35	1.00	29	.01	2	.69	.03	.04	1	71
E 104664	1	131	2	34	.6	18	16	276	5.83	5	5	ND	1	54	1	2	2	42	2.24	.066	6	20	.75	22	.01	3	.33	.01	.05	1	89
E 104665	1	36	2	41	.1	17	9	333	2.88	5	5	ND	1	107	2	2	2	47	2.92	.050	5	26	1.32	15	.02	2	.60	.02	.03	1	14
E 104666	1	48	7	63	.1	20	10	208	3.01	16	5	ND	1	37	2	2	2	54	.90	.070	4	31	.79	23	.06	3	.76	.03	.04	1	27
E 104667	1	81	10	38	.1	22	13	237	3.99	115	5	ND	1	65	1	2	2	53	1.47	.069	6	30	.70	36	.01	6	.59	.03	.05	1	1475
E 104668	1	87	12	38	.5	26	13	326	4.57	17	5	ND	1	100	1	2	2	42	3.27	.068	6	25	.99	10	.01	2	.39	.01	.04	1	101
E 104669	1	52	4	39	.2	23	11	294	3.59	23	5	ND	1	86	1	2	3	52	1.84	.070	7	25	.78	14	.01	2	.36	.02	.04	1	3910
E 104670	1	190	24	32	.6	24	26	203	7.98	6	5	2	2	52	1	2	2	45	1.10	.062	6	25	.67	12	.01	5	.33	.02	.05	1	2520
E 104671	1	81	7	32	.1	23	13	246	4.50	7	5	ND	1	58	1	2	2	58	1.24	.068	7	33	1.30	14	.01	4	.66	.02	.04	1	153
RE E 104667	1	84	8	36	.3	22	12	212	3.93	110	5	ND	2	63	1	2	2	52	1.43	.069	6	26	.68	35	.01	5	.57	.03	.05	1	1460
E 104672	1	86	4	34	.2	22	12	237	4.42	3	5	ND	2	59	3	2	2	58	1.09	.072	7	35	1.35	17	.01	4	.81	.03	.05	1	162
E 104673	1	111	14	45	.5	26	16	314	5.75	11	5	ND	1	102	3	2	2	57	2.31	.078	7	29	1.11	22	.01	2	.35	.01	.06	1	475
STD C/AU-R	19	58	38	132	7.3	67	29	1033	4.04	38	22	7	37	45	21	18	18	57	.48	.094	37	56	.87	174	.07	33	1.89	.06	.14	12	520

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
E 104674	1	67	4	32	.2	22	10	256	3.02	2	5	ND	1	152	1	2	2	34	2.96	.054	5	17	.97	65	.01	2	.30	.02	.08	1	153
E 104675	2	81	3	33	.5	22	12	246	3.63	3	5	ND	1	109	1	2	2	43	2.39	.054	7	22	.85	23	.01	2	.47	.02	.07	1	345
E 104676	1	49	8	30	.1	19	8	339	2.83	3	5	ND	1	168	1	2	2	33	4.04	.052	6	18	1.42	46	.01	2	.36	.02	.07	2	215
E 104677	1	57	7	31	.2	21	10	246	3.14	9	5	ND	1	110	1	2	2	38	2.52	.057	7	21	.89	35	.01	3	.41	.02	.08	1	143
E 104678	1	50	10	28	.1	22	8	281	3.04	73	5	ND	1	93	1	6	2	28	3.18	.051	4	17	1.14	42	.01	7	.39	.01	.10	1	104
RE E 104683	1	63	5	34	.2	22	11	306	3.23	10	5	ND	1	110	1	2	2	36	3.61	.052	7	19	1.47	18	.01	2	.40	.01	.07	2	285
E 104679	1	50	3	31	.1	23	9	267	3.05	12	5	ND	1	102	1	2	2	38	2.67	.054	7	20	1.06	29	.01	3	.42	.02	.08	1	64
E 104680	1	50	7	34	.1	21	10	226	3.26	7	5	ND	1	89	1	2	2	42	1.94	.055	7	21	.86	77	.01	4	.41	.02	.07	1	1780
E 104681	1	45	6	30	.1	19	9	256	2.81	7	5	ND	1	127	1	2	2	38	2.55	.054	7	20	1.07	23	.01	4	.45	.02	.07	1	105
E 104682	1	51	10	35	.1	23	11	237	3.04	3	5	ND	1	123	1	2	2	41	2.27	.056	7	21	1.02	24	.01	2	.39	.02	.08	1	204
E 104683	1	62	3	34	.2	22	11	310	3.28	12	5	ND	1	110	1	2	2	36	3.63	.053	7	21	1.47	17	.01	3	.38	.01	.07	2	220
E 104684	1	54	3	31	.2	28	10	305	3.14	17	5	ND	1	167	1	3	2	40	3.35	.052	6	22	1.56	20	.01	2	.40	.01	.05	2	705
E 104685	2	59	3	34	.1	23	11	216	3.37	8	5	ND	1	75	1	2	2	46	1.74	.056	8	22	.77	21	.01	2	.42	.02	.05	1	62
E 104686	2	60	2	32	.2	24	11	243	3.51	10	5	ND	1	91	1	2	2	42	1.99	.055	6	23	.95	21	.01	4	.54	.02	.08	1	71
E 104687	1	58	6	49	.3	20	8	350	3.02	19	5	ND	1	152	1	2	2	37	3.87	.050	7	19	1.28	15	.01	3	.45	.02	.07	2	88
E 104688	1	59	2	33	.1	22	11	224	2.73	18	5	ND	1	119	1	2	3	41	2.18	.055	7	18	.87	11	.01	3	.48	.02	.05	1	193
E 104689	1	62	7	38	.3	22	10	249	2.95	32	5	ND	1	109	1	2	2	43	2.26	.055	7	21	.93	21	.01	5	.51	.02	.07	1	204
STD C	18	59	43	125	6.8	67	30	984	3.88	44	23	7	37	46	16	19	25	57	.44	.086	40	52	.85	163	.06	32	1.84	.06	.14	13	-
E 104690	1	61	5	35	.2	20	11	282	2.91	16	5	ND	1	94	1	2	2	42	2.51	.054	7	22	1.05	15	.01	3	.51	.02	.06	1	119
E 104691	1	57	6	33	.1	20	11	247	2.87	16	5	ND	1	118	1	2	2	46	2.47	.054	7	21	1.06	15	.01	3	.53	.02	.06	1	66
E 104692	1	62	5	32	.1	22	10	248	2.57	4	5	ND	1	124	1	2	2	46	2.18	.054	7	23	.85	25	.01	7	.58	.02	.05	1	61
E 104693	1	66	2	33	.3	19	11	256	3.22	3	5	ND	1	182	1	2	2	42	2.45	.053	8	21	1.21	52	.01	10	.48	.02	.08	2	176
E 104694	1	66	5	32	.2	19	10	244	3.14	2	5	ND	1	162	1	2	2	39	2.71	.052	6	20	1.20	66	.01	9	.44	.02	.08	1	108
E 104695	1	72	3	31	.3	19	11	223	3.16	2	5	ND	1	142	1	2	2	40	2.49	.053	6	21	1.33	42	.01	3	.51	.02	.08	1	145
E 104696	1	73	2	30	.2	18	10	227	3.19	2	5	ND	1	169	1	2	2	40	2.65	.053	6	22	1.21	36	.01	4	.48	.02	.08	2	72
E 104697	1	70	4	31	.2	20	12	241	3.25	7	5	ND	1	160	1	2	2	42	2.50	.052	6	20	1.12	31	.01	4	.38	.02	.08	1	156
E 104698	1	66	5	29	.2	20	11	268	3.13	14	5	ND	1	127	1	2	2	38	2.91	.048	5	19	1.28	30	.01	13	.34	.02	.09	2	73
E 104699	1	70	2	29	.2	17	10	232	3.07	2	5	ND	1	209	1	2	2	37	2.89	.051	5	18	1.19	60	.01	3	.37	.02	.09	2	93
E 104700	1	63	2	31	.1	18	10	235	3.09	3	5	ND	1	172	1	2	2	40	2.94	.051	6	22	1.32	78	.01	9	.46	.02	.09	2	143
E 104701	1	64	4	32	.3	18	10	238	3.02	2	5	ND	1	136	1	2	2	37	2.83	.052	6	20	1.13	54	.01	6	.42	.02	.09	2	245
E 104702	1	63	4	30	.1	17	10	235	3.19	2	5	ND	1	114	1	2	2	38	2.76	.051	6	20	1.21	30	.01	3	.38	.02	.09	1	99
E 104703	1	54	6	33	.2	18	10	258	3.09	2	5	ND	1	149	1	2	2	37	2.91	.051	6	20	1.25	25	.01	4	.37	.02	.07	2	77
E 104704	1	68	3	29	.1	18	10	235	3.10	2	5	ND	1	143	1	2	2	33	2.81	.051	6	20	1.25	19	.01	5	.43	.02	.09	2	46
E 104705	1	72	7	31	.3	18	9	220	3.34	2	5	ND	1	145	1	2	2	33	2.93	.053	7	19	1.25	26	.01	4	.38	.02	.09	2	41
E 104706	1	68	2	29	.3	17	11	229	3.21	2	5	ND	1	125	1	2	3	43	2.28	.053	7	24	1.14	18	.01	3	.54	.02	.07	1	177
E 104707	1	83	2	32	.2	18	13	233	3.62	7	5	ND	1	91	1	2	2	54	1.61	.052	7	28	1.26	17	.01	3	.61	.02	.04	1	265
E 104708	1	77	5	28	.5	17	11	202	3.50	10	5	2	1	97	1	2	6	54	1.45	.052	8	27	1.18	14	.01	2	.56	.02	.05	2	4275
E 104709	1	149	3	28	4.9	18	18	234	4.88	4	5	15	1	103	1	2	3	43	1.96	.050	6	20	1.00	11	.01	4	.39	.02	.03	1	8550
STD C/AU-R	19	62	38	132	7.2	68	31	1032	4.12	43	22	8	39	50	19	16	23	60	.48	.088	40	56	.91	179	.07	34	2.01	.06	.15	12	505

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
E 104710	1	62	2	36	.1	17	11	253	3.10	2	5	ND	1	88	1	2	2	53	1.76	.056	6	27	1.10	13	.01	4	.54	.02	.03	1	445
E 104711	1	77	6	37	.1	19	13	258	3.57	8	5	ND	1	94	1	2	3	53	1.47	.056	6	23	.99	14	.01	2	.44	.03	.03	1	119
E 104712	1	55	2	35	.1	18	12	248	3.05	3	5	ND	1	108	1	2	2	51	1.62	.057	7	22	.87	13	.01	4	.38	.03	.03	1	149
E 104713	1	77	3	35	.1	20	13	269	3.53	13	5	ND	1	106	1	2	3	52	1.85	.059	5	26	1.10	13	.01	2	.51	.03	.03	1	590
E 104714	1	47	2	37	.1	16	12	286	3.08	6	5	ND	1	117	1	2	2	49	1.91	.057	7	21	.95	13	.01	4	.40	.03	.03	1	51
E 104715	1	68	15	46	.4	19	12	338	3.71	38	5	ND	1	66	1	2	2	55	3.01	.052	5	25	1.42	11	.01	2	.59	.02	.04	1	465
E 104716	1	55	7	39	.1	20	11	281	3.41	11	5	ND	1	75	1	2	2	54	2.29	.058	7	24	.94	19	.01	3	.66	.02	.05	1	300
E 104717	1	76	2	38	.1	21	14	317	3.70	23	5	ND	1	72	1	2	3	54	1.81	.057	7	23	.95	16	.01	3	.41	.03	.04	1	1120
E 104718	1	37	2	40	.1	19	11	398	3.05	10	5	ND	1	75	1	2	3	55	2.20	.058	7	22	.99	10	.01	7	.40	.02	.02	1	26
E 104719	1	47	2	49	.1	40	15	626	4.73	54	5	ND	1	133	1	2	2	82	3.26	.077	8	56	1.75	46	.01	2	.46	.02	.05	1	52
E 104720	1	48	2	41	.1	19	11	355	3.09	23	5	ND	1	86	1	3	2	54	2.24	.055	7	24	1.03	30	.01	2	.49	.02	.03	1	46
E 104721	1	40	2	37	.1	17	11	351	3.03	9	5	ND	1	87	1	2	2	53	1.70	.056	6	24	1.13	43	.01	3	.44	.03	.04	1	30
E 104722	1	46	2	34	.1	17	10	305	3.12	6	5	ND	1	71	1	2	2	55	1.53	.056	5	27	1.23	15	.03	6	.55	.03	.04	1	51
E 104723	1	50	4	42	.1	20	12	292	2.73	18	5	ND	1	81	1	2	2	55	1.99	.059	7	25	.94	10	.01	2	.65	.02	.03	1	37
E 104724	1	74	2	39	.1	18	11	323	3.44	16	5	ND	1	77	1	2	2	58	1.93	.056	7	26	1.02	10	.01	2	.45	.02	.03	1	123
E 104725	1	70	2	35	.1	19	12	318	3.50	3	5	ND	1	74	1	2	2	60	1.67	.057	6	30	1.30	42	.02	5	.64	.03	.04	1	104
E 104726	1	95	2	28	.1	19	11	252	3.81	3	5	ND	1	104	1	2	2	51	2.22	.055	7	23	1.39	25	.01	4	.31	.02	.06	1	245
E 104727	1	83	2	33	.2	20	10	275	3.34	3	5	ND	1	89	1	2	2	53	1.87	.058	7	25	1.37	19	.01	5	.49	.02	.05	1	220
E 104728	1	81	6	30	.2	17	8	225	3.28	2	5	ND	1	101	1	2	2	49	2.08	.056	7	28	1.41	24	.01	3	.46	.02	.06	1	355
E 104729	1	88	2	36	.2	19	10	377	3.68	6	5	ND	1	116	1	2	2	61	2.47	.060	7	27	1.62	20	.01	3	.61	.02	.06	1	150
E 104730	1	93	2	32	.2	18	11	335	3.57	5	5	ND	1	105	1	2	2	53	2.25	.057	7	26	1.34	16	.01	3	.57	.02	.05	1	139
E 104731	1	79	7	33	.2	18	9	344	3.21	23	5	ND	1	130	1	2	2	50	2.69	.054	6	25	1.22	54	.01	3	.54	.02	.05	1	205
E 104732	1	74	2	33	.2	17	11	318	3.21	170	5	ND	1	69	1	2	2	34	2.45	.055	5	16	1.04	16	.01	4	.40	.02	.07	1	220
E 104733	1	52	7	33	.1	15	8	411	2.64	92	5	ND	1	82	1	2	2	29	3.20	.053	4	16	1.28	14	.01	2	.42	.01	.07	1	137
E 104734	1	60	3	36	.1	21	11	281	3.31	17	5	ND	1	53	1	2	2	46	1.88	.058	6	20	.78	10	.01	2	.52	.02	.04	1	104
E 104735	1	54	7	34	.4	15	8	490	2.82	93	5	ND	1	89	1	5	2	29	3.93	.051	4	16	1.67	13	.01	7	.39	.01	.07	1	133
E 104736	1	88	2	39	.1	19	11	339	3.12	15	5	ND	1	57	1	2	2	52	2.23	.059	7	24	.96	28	.01	4	.40	.02	.03	1	30
STD C	18	59	37	127	7.0	68	30	985	3.94	45	21	7	38	46	19	19	21	59	.45	.090	39	55	.87	169	.07	33	1.90	.06	.15	13	-
E 104737	1	75	2	35	.1	18	10	288	3.13	8	5	ND	1	63	1	2	2	52	1.81	.057	6	25	.77	15	.02	3	.50	.03	.04	1	39
E 104738	1	57	2	38	.2	17	11	321	2.85	60	5	ND	1	99	1	2	2	47	2.16	.055	5	23	1.19	15	.01	3	.44	.02	.04	1	87
E 104739	1	52	2	34	.1	17	10	282	2.83	10	5	ND	1	57	1	2	2	51	1.33	.058	5	25	1.01	13	.03	5	.51	.02	.04	1	280
E 104740	1	57	2	37	.1	17	9	290	2.26	6	5	ND	1	98	1	2	3	49	2.36	.056	7	25	1.11	16	.01	5	.44	.02	.03	2	575
E 104741	1	63	2	34	.1	18	11	244	2.78	4	5	ND	1	66	1	2	2	50	1.50	.057	5	25	.96	14	.03	4	.45	.03	.03	1	54
RE E 104738	1	56	4	37	.2	17	11	317	2.82	64	5	ND	2	98	1	2	3	47	2.12	.055	5	23	1.18	15	.01	6	.46	.02	.04	1	91
E 104742	1	76	2	31	.1	17	10	247	2.80	5	5	ND	1	71	1	2	2	47	1.41	.056	5	21	1.04	24	.03	2	.50	.03	.03	1	47
E 104743	1	62	2	38	.1	18	11	304	2.68	6	5	ND	1	101	1	2	2	50	2.13	.054	6	25	1.13	16	.01	3	.49	.03	.03	1	2475
E 104744	1	76	2	32	.1	17	10	358	2.55	36	5	ND	1	128	1	2	2	43	3.27	.050	7	22	1.60	14	.01	5	.32	.02	.04	2	74
E 104745	1	84	2	37	.1	18	12	305	2.94	14	5	ND	1	100	1	3	2	53	2.60	.054	6	24	1.27	11	.01	2	.54	.02	.03	1	54
STD C/AU-R	19	61	39	132	7.0	69	31	1030	4.07	43	19	7	38	49	19	19	22	61	.48	.091	41	55	.90	179	.07	33	1.99	.06	.15	12	510

APPENDIX II

RELAY CREEK PETROGRAPHIC STUDY

RELAY CREEK - PROJECT #116

Samples - Thin Sectioned
(To Accompany Vancouver Petrographic Ltd. Summary)

Hole: RYC001

Meters	Thin Section Sample No.
96.0	1335
101.25	1336
111.0	1337
119.8	1338 sph-arseno-pyor-py
125.5	1339
137.0	1340
146.9	1341

3081.B

Zle Relay c. 300 John - info !

Vancouver Petrographics Ltd.

-RMB-

SEPT 12.

JAMES VINNELL, Manager
JOHN G. PAYNE, Ph.D. Geologist
A.L. LITTLEJOHN, M.Sc. Geologist
JEFF HARRIS, Ph.D. Geologist

P.O. BOX 39
8887 NASH STREET
FORT LANGLEY, B.C.
VOX 1JO

PHONE (604) 888-1323

Report for: R.M. Britten,
Esso Minerals Canada,
1600-409 Granville Street,
Vancouver, B.C.
V6C 1T2

Invoice 7577

September 9th, 1988

Samples:

7 drill core samples from Project 116 for polished thin sectioning and petrographic descriptions.

Samples are numbered EV 1335 - 1341 inclusive.

Summary:

All but one of these samples (EV 1340) are medium-grained porphyritic rocks of intrusive aspect.

These porphyries fall into two compositional groups:

Samples EV 1335 and EV 1341 are of dacitic (quartz diorite) composition, being composed of plagioclase phenocrysts in a microgranular groundmass of intergrown plagioclase and quartz. EV 1335 is essentially fresh and is the only rock of the suite to contain recognizable primary mafics (hornblende). EV 1341 is strongly altered, with plagioclase phenocrysts totally replaced and groundmass plagioclase largely so; alteration products are sericite and lesser carbonate.

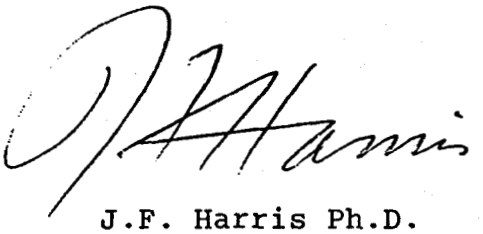
Samples EV 1336, 1337, 1338 and 1339 are all andesite (diorite) porphyries of closely similar type, consisting of abundant, rather coarse plagioclase phenocrysts (to 8mm in size) and lesser, totally altered mafics, in a microgranular groundmass of fresh plagioclase. The latter shows a distinctive flecked texture, apparently due to minutely intergrown chlorite and sericite.

Of this group, EV 1336 is distinctive in that the plagioclase phenocrysts are essentially fresh and have an intergrown potassic component. Plagioclase phenocrysts in the remaining three samples all show moderate to strong alteration to carbonate and lesser sericite.

These porphyries all contain minor proportions of disseminated sulfides - principally pyrrhotite or a minutely fine-grained pyrite secondary after pyrrhotite. EV 1341 has the highest sulfide content, including a proportion of normal crystalline pyrite. Trace accessories observed in most of the rocks are sphalerite, chalcopyrite and arsenopyrite. The sulfides appear randomly distributed, and may be primary or deuteric in origin.

Sample EV 1340 is a rock of different type. It is an extremely fine-grained aggregate of chlorite and sericite, flecked with brown carbonate and containing tiny clast-like grains of quartz or feldspar. It shows an incipient foliation, and may be a form of mildly metamorphosed mudstone or tuff. Sulfides in this rock are concentrated in discordant hairline veinlets of carbonate and sericite.

Individual petrographic descriptions are attached.



J.F. Harris Ph.D.

(phone: 929-5867)

Sample EV 1341 **ALTERED FELSIC PORPHYRY**

Estimated mode

Plagioclase	9
Quartz	30
Sericite	36
Carbonate	12
Veinlet	
Carbonate	4
Quartz	2
Chlorite	1
Pyrite	2
Secondary pyrite) Altered pyrrhotite)	4
Sphalerite	trace
Chalcopyrite	trace
Arsenopyrite	trace

This is a strongly altered rock which is readily recognizable, from its texture in the etched cut-off block, as another of the igneous porphyries which are the prevalent lithotype of the suite.

This one is a felsic variant, somewhat similar in type to EV 1335, but more leucocratic.

Phenocrysts, 0.5 - 3.0mm in size, constitute about 30% of the rock. These are totally altered to rather diffuse masses of minutely fine-grained, locally flaky sericite, with minor associated brownish carbonate. They all appear to be of the same kind, and presumably originated as plagioclase. No phenocrysts recognizable as altered mafics were seen.

The groundmass is of distinctive type. It is an equigranular aggregate of grain size 30 - 80 microns, composed of approximately equal parts of quartz and feldspar. The latter component is strongly, pervasively altered to similar cryptocrystalline sericite as the phenocrysts, with the effect that the groundmass now exhibits a wacke-like texture of equant quartz grains in a sericitic matrix/ interstitial phase.

Fine-grained, brown carbonate forms sporadic flecks and pockets through the groundmass. Accessory opaques or rutile are notably lacking.

The rock is cut by a system of veinlets and more diffuse, veniform or pockety impregnations, composed of brown carbonate, granular quartz and minor felted chlorite. These contain irregular, pockety segregations of sulfides - consisting predominantly of minutely fine-grained, secondary-type pyrite (after pyrrhotite) with intergrown clumps of crystalline pyrite and rare, individual grains of arsenopyrite, chalcopyrite and sphalerite.

Sample EV 1340 CHLORITIC MUDSTONE/TUFF(?)

Estimated mode

Plagioclase) Quartz)	5
Sericite	18
Chlorite	42
Carbonate	20
Sub-opaques) Opaques)	7
Veinlets	
Carbonate	4
Sericite	2
Secondary pyrite	2
Chalcopyrite	trace

This is a very fine-grained rock of uncertain origin.

It consists of a homogenous, turbid, cryptocrystalline aggregate which appears to be composed essentially of minutely fine-grained (1 - 2 microns) chlorite and sericite.

This matrix shows an overall mottling of semi-coalescent darker spots (on the scale 0.05 - 0.1mm) which appears to be due to concentrations of micron-sized opaques. Also it is extensively and rather evenly pervaded by tiny flecks of cryptocrystalline, light brown material thought to be carbonate.

Additional components are scattered, tiny, discrete clasts (?) of quartz and/or feldspar, 20 - 60 microns in size, and sub-opaque dust which sometimes concentrates as tiny, elongate wisps. The latter, together with a barely perceptible parallel orientation in the compact cryptocrystalline micaceous matrix, defines an incipient foliation.

The rock has the aspect of an essentially unmetamorphosed mudstone or fine-grained tuff.

It includes a few sub-concordant, locally crenulated, hairline veinlets or laminae of brown micritic carbonate with associated wisps and pockets of sericite and felted chlorite. In addition, it is cut by a system of sub-parallel threads or micro-gashes, also of carbonate and/or sericite, but with sporadic pockets of sulfides. These are the dusty, secondary-type pyrite (after pyrrhotite) seen throughout the suite.

Rare, minute specks of the same pyrite also occur randomly disseminated through the rock.

Sample EV 1338 ALTERED ANDESITE PORPHYRY

Estimated mode

Plagioclase	65
Quartz	1
Sericite	4
Carbonate	24
Chlorite	4
Apatite	trace
Pyrrhotite	1
Secondary pyrite) Altered pyrrhotite)	1
Sphalerite	trace
Pyrite	trace
Chalcopyrite	trace
Arsenopyrite	trace

This sample is of essentially identical type to EV 1337, with the exception that the overall proportion of phenocrysts to groundmass appears somewhat lower, and the plagioclase phenocrysts are not quite so strongly altered as in the previous sample.

It is a plagioclase-rich andesite (or diorite) porphyry, having plagioclase phenocrysts, 1 - 4mm in size, which are mostly about 50% pervasively altered to carbonate and minor sericite. A minor proportion of totally altered mafics (carbonate-chlorite pseudomorphs after hornblende) is also present.

The groundmass is an evenly microgranular mosaic of plagioclase, of grain size 30 - 80 microns. This contains occasional tiny clumps of quartz and scattered, small euhedra of apatite as a trace accessory. It is evenly flecked with tiny shreds of sericite - inclusions of which may be the cause of the diffusely flecked/crypto-microlitic internal fabric of the plagioclase grains (commented on in the description of 1336 and also present in 1337).

The slide is cut by a 1mm veinlet of equigranular, mosaic-textured carbonate, with a vuggy core partly filled by sulfides.

All of the carbonate in this rock appears to be of a type unreactive to dilute acid (dolomite?), and the presence of two optically different forms is not as clear as in the previous samples.

Disseminated sulfides are irregular grains of fresh pyrrhotite and of secondary pyrite/altered pyrrhotite, 0.1 - 2.0mm or more in size. They occur mainly within altered mafic phenocrysts.

Sphalerite (a very dark, Fe-rich variety) is a fairly common accessory sulfide, associated with the pyrrhotite. Pyrite is seen filling vugs in the carbonate veinlet. Rare traces of chalcopyrite and arsenopyrite are randomly disseminated.

Sample EV 1337 ALTERED ANDESITE PORPHYRY

Estimated mode

Plagioclase	50
Quartz	1
Sericite	15
Carbonate	25
Chlorite	8
Apatite	trace
Secondary pyrite) Altered pyrrhotite)	1
Sphalerite	trace
Arsenopyrite	trace
Chalcopyrite	trace

This sample is a very similar rock type to 1336 but is much more strongly altered.

Abundant, coarse plagioclase phenocrysts, to 5mm or more in size, are largely altered to carbonate and patches of felted sericite, with only minor remnants of the original feldspar surviving.

Accessory mafic phenocrysts (ex-hornblende) are also completely altered, to carbonate and chlorite.

The groundmass shows a similar, equigranular mosaic texture to 1336, but is significantly finer grained (0.05 - 0.1mm). Also it lacks the intergrown K-feldspar of the previous sample. The groundmass plagioclase is evenly shot through with minute flakes of sericite.

As in the previous slide, the carbonate of the altered phenocrysts appears to include two distinct varieties - a relatively low relief form rimmed and veined by a higher relief, brownish form (probably calcite and ankerite or siderite respectively). The high relief carbonate is also seen as occasional, random, hairline wisps in the groundmass.

Sparsely disseminated sulfides are mainly secondary pyrite (after pyrrhotite), not infrequently intergrown with dark, marmatitic sphalerite. Arsenopyrite and rare chalcopyrite are seen as scattered, discrete grains. The sulfides appear largely random in their distribution. In a few instances they have the form of elongate, gash-like bodies, up to 2 or 3mm in size.

Sample EV 1336 **ANDESITE PORPHYRY**

Estimated mode

Plagioclase	78
K-feldspar	6
Quartz	2
Sericite	trace
Carbonate	9
Chlorite	4
Apatite	trace
Pyrrhotite	1
Arsenopyrite	trace
Sphalerite	trace
Chalcopyrite	trace

This is a rather coarsely porphyritic rock of feldspar-rich composition.

Phenocrysts make up about 60% of the rock. They are mainly euhedral-subhedral, strongly growth-zoned plagioclase, 1.0 - 8.0mm in size. A minor proportion of smaller (0.5 - 2.0mm) mafic phenocrysts is also present. These clearly originated as hornblende but are now totally pseudomorphed by intergrown carbonate and chlorite. Two different types of carbonate appear to be present.

The plagioclase phenocrysts show a very mild flecking and veining of carbonate and sericite.

The groundmass is of distinctive type, being an equigranular mosaic of feldspar grains 0.1 - 0.2mm in size, with scattered, tiny interstitial pockets of quartz. The granular aggregate texture appears to be superimposed on a minutely fine-grained microlitic fabric, suggestive of its possibly having been formed by devitrification of an original glassy matrix.

As can be seen from the stained cut-off chip, the groundmass has an appreciable content of K-feldspar intergrown with the dominant plagioclase. This is not readily distinguishable in thin section.

The groundmass is lightly and rather evenly flecked with minutely fine-grained carbonate, sericite and (probably) chlorite.

Sparsely disseminated sulfides, as grains 0.1 - 0.5mm in size, are mainly pyrrhotite - often skeletal in form and sieved with silicate inclusions. Arsenopyrite is the principal accessory, occurring intergrown with pyrrhotite and as discrete tiny subhedra. Traces of sphalerite and chalcopyrite were also noted. The sulfides show random distribution.

Sample EV 1335 **DACITE PORPHYRY**

Estimated mode

Plagioclase	64
Quartz	12
Hornblende	13
Carbonate	7
Chlorite	2
Epidote	1
Sericite	trace
Apatite	trace
Rutile	trace
Secondary pyrite	1

This sample is a rather fresh, porphyritic igneous rock of dacitic (quartz diorite) composition.

Phenocrysts make up approximately 50% of the rock. They consist of subhedral-euhedral plagioclase (andesine) 1.0 - 4.0mm in size, sometimes clumped, plus a lesser proportion of olive-brown euhedral hornblende, 0.2 - 2.0mm in size.

The plagioclase is fresh but for a very faint dusting of sericite and/or carbonate. The hornblende is often partially skeletal (with groundmass inclusions) and moderately altered to carbonate and minor chlorite.

The groundmass is an evenly microgranular aggregate of equant subhedral plagioclase and rather abundant accessory quartz.

The slide includes a diffuse veniform zone of carbonate alteration, with marginal development of fine-grained epidote.

Sparse disseminated sulfides consist of small, irregular flecks and clusters of 'dusty', secondary-type pyrite - probably formed by alteration of pyrrhotite. These concentrate somewhat in and around the altered hornblende phenocrysts and the carbonate replacement zone, but are also seen randomly disseminated through the groundmass.

Sample EV 1339 **ALTERED ANDESITE PORPHYRY**

Estimated mode

Plagioclase	62
Quartz	1
Sericite	5
Carbonate	24
Chlorite	6
Apatite	trace
Rutile	trace
Pyrrhotite	1
Secondary pyrite) Altered pyrrhotite)	1
Sphalerite	trace

This is another rock of essentially identical type to EV 1337 and 1338.

As can readily be seen from the etched cut-off block, plagioclase phenocrysts (of andesine composition) are abundant and range up to 6 or 7mm in size. They are 40 - 50% altered to carbonate and minor sericite. Smaller mafic phenocrysts are totally altered to carbonate and chlorite.

The groundmass is a fine, equigranular aggregate of plagioclase with evenly distributed, intergrown flecks of sericite.

Accessories are - as in the other samples - sparsely scattered clumps of quartz and small, individual euhedra of apatite. A few cases were seen of quartz as strings of grains fringing altered mafic phenocrysts.

The rock contains disseminated sulfides as irregular grains and small clumps, 0.1 - 2.0mm in size. As in the previous sample, these consist partly of fresh pyrrhotite, as well as the prevalent, cryptocrystalline,secondary pyrite derived from it. One grain of the latter is intergrown with dark red-brown, marmatitic sphalerite.

The sulfides are sometimes clustered within altered mafic phenocrysts, but are also seen randomly disseminated in the groundmass.

APPENDIX III

RAW DRILL LOG DATA

Dictionary Tables

TABLE.FLAG

SUM	SUMMARY REMARK

TABLE.ROCK

AN/D	Andesite dyke
ANDS	Andesite
ANLP	Andesite, lapilli
ANPF	Andesite, plagioclase-feldspar
ANTF	Andesite, tuff
BOL.	Boulders, overburden
BRCG	Breccia, conglomerate
BRCL	Breccia, chlorite
BRCQ	Breccia, carbonate-quartz
BRHM	Breccia, homolitic (polymictic
BRHT	Breccia, heterolithic
BRQC	Breccia, quartz-carbonate
COEN	CONTACT ENVELOPE
CONG	Conglomerate
CONT	CONTACT
CSSA	CARB.-SERICITE-SULPHIDE ALT.
FALT	Fault (zone), alternative form
FAUL	Fault (zone)
FELP	FELDSPAR PORPHYRY
FGTF	FINE GRAINED TUFF
FQHF	FELDSP-QZ- HBLNDE- PORPHYRY
FXLT	FINE XTL LITHIC TUFF
GOUG	GOUGE
GRV.	Gravel, overburden
HFPO	HORNBLENDE-FELDSPAR PORPHYRY
LOST	Lost core
LXTF	CRYSTAL LITHIC TUFF
MINZ	MINERALIZED
MNV/	MINERALIZED VEIN
MSSX	Massive sulphides
OVER	Overburden
PEB.	Pebbles, overburden
PPFQ	Porphyry, feldspar-quartz
PPFX	Porphyry, feldspar
PPQF	Porphyry, quartz-feldspar
PPQZ	Porphyry, quartz
QCSP	QTZ-CARB-SER-PY ALT.
QZ/V	Quartz vein
QZVN	Quartz vein, alternative form
SILC	SILICEOUS
SMSX	SEMIMASSIVE SULPHIDES
SPUM	SERPENTINIZED ULTRAMAFIC
SULF	Sulphide
TFLP	Tuff, lapilli
TFWL	Tuff, welded

TFXL	Tuff, crystal lapilli
TFXT	Tuff, crystal
TUFF	Tuff
VEIN	Vein
VN<<	Microvein
VN>>	Macrovein
VOCL	VOLCANIC CLASTICS
VOLC	Volcanics
VOLS	VOLCANIC SEDIMENTS
XLTF	CRYSTAL LITHIC TUFF

TABLE,MINERAL

AS	Arsenopyrite
AX	Amphiboles, general
BC	BLACK CHLORITE
BI	Biotite
BK	Biotite : hornblende
C:	Clay : muscovite
CA	Calcite
CB	Carbonates, general
CL	Chlorite
CP	Chalcopyrite
CY	Clay
EH	EUHEDRAL HORNBLENDE
EP	Epidote
FX	Feldspars, general
G:	Galena : sphalerite
G<	GL<SL
G=	GL=SL
G>	GL>SL
GL	Galena
HB	Hornblende
HE	Hematite, earthy
HS	Hematite, specularite
KA	Kaolin
KF	K-spar, orthoclase
LI	Limonite
MF	Mafics, general
MG	Magnetite
MO	Molybdenite
MS	Muscovite-sericite
MU	Muscovite
OL	Olivine
PF	Plagioclase
PR	Pyrrhotite
PX	Pyroxene, general
PY	Pyrite
QC	Quartz-carbonate
QH	Quartz, chert
QS	Quartz-sericite
QV	Quartz vein, massive
QZ	Quartz, general
RH	REMNENT HORNBLENDE
SF	SILICEOUS
SL	Sphalerite
SR	SERICITE
TT	Tetrahedrite

TABLE,TEXTURE

<<	Microveined
>>	Macroveined
BD	Bedded
BK	Blocky
BL	BLEBS
BN	Banded
BR	Brecciated
BY	BLEBY
CP	CARBONATE- PYRITE FLOODING
CR	Crenulated
CT	Clastic
CY	CLAYEY
EH	EUHEDRAL HORNBLENDE
FA	FRACTURED
FG	FINE GRAINED
FO	Foliated
FR	Fragmental
FT	Flattened
G;	Graded-bedded
GR	GRADED
GY	Greasy, sectile
HO	Homogeneous
HT	Heterogeneous
IS	Interbedded
LE	Lineated
LH	LEACHED
LM	Laminated
LN	Lenticular
LT	Lithic
MX	Massive
PA	Patchy
PE	PARTIALLY LEACHED
PP	Porphyritic
PY	POLYLITHIC
RH	PSEUDOMORPH HORNBLENDE
RP	PSEUDMORPH PORPHYRITIC TEXT.
SH	SHEARED
SI	SILICEOUS
SW	Stockworked
VA	VARIABLE ALTERATION
VC	VARIABLE COMPOSITION + TEXTURE
VG	Vuggy
VN	VEIN
VO	VARIABLE COLOUR
VS	Vesicular
VV	Veined

TABLE,FORMATION

KV	U.C. KINGSVALE SEDIMENTS
TC	L.C. TAYLOR CREEK GROUP VOLC.

TABLE,QMIN

AS	Arsenopyrite
AX	Amphiboles, general
BI	Biotite
BK	Biotite, hornblende
C:	Clay : muscovite
CA	CALCITE
CB	Carbonates, general
CL	Chlorite
CP	Chalcopyrite
CY	Clay
EP	Epidote
G:	Galena : sphalerite
G<	GL<SL
G=	GL=SL
G>	GL>SL
HB	Hornblende
HE	Hematite,earthy
HS	Hematite,specularite
K:	K-spar : plagioclase
KA	Kaolin
KF	K-spar,orthoclase
LF	LITHIC FRAGMENTS
LI	Limonite
MG	Magnetite
MO	Molybdenite
MS	Muscovite-sericite
OL	Olivine
PF	Plagioclase
PL	Pyrolusite
PR	Pyrrhotite
PX	Pyroxene, general
PY	Pyrite
QC	Quartz-carbonate
QS	Quartz-sericite
QV	Quartz vein, massive
QZ	Quartz, general
SE	Serpentine
SF	SILICIFIED
SL	Sphalerite
SX	Sulphides, general
TT	Tetrahedrite

TABLE.HOW-SCALE

#	Breccia fillings
$	Sheeting
&	Clasts
+	Within quartz vein
/	PERVASIVE AND DISSEMINATED
0	Fresh,primary rock
1	A, minor > and/or scat. Crysta
2	Macroveins and Veins
3	Veins, Spots or Patches
4	Veins, and/or occas. Envelopes
5	Veins, and/or abundant Envelop
6	P or D Less Than <, S, and E
7	P or D Equal To <, S, and E
8	P or D Greater Than <, S and E
9	P or D, V, <, S and E
<	Microveins, fracture fillings
=	MS/CY replaces FX
>	Macroveins
A	A, cavity fillings
B	Blebs
C	Coatings & encrustations
D	Disseminations, scat. crystals
E	Envelopes
F	Framework crystals
G	Gouge
H	Replaced phenocrysts
I	Eyes,augen
J	Interstitial
K	Stockwork
L	Laminations/bedded
M	Massive
N	Nodules
O	Spots
P	Pervasive
Q	Patches, as in quilts
R	Rosettes & crystals clusters
S	Selvages
T	Stainings, as in tarnish
U	Eu-hedral crystals
V	Veins
W	Boxwork
X	K and/or $, M and/or L
Y	Dalmationite
Z	Massive,Laminated/Bedded

TABLE,6-SCALE

{	.05 to <.2
}	.5 to < 2
!	.2 to <.5
+	2 to < 3
-	.02 to <.05
.	Trace = <.02
/	Est. Impossible
0	Nil, Absent
1	7 to <15
2	15 to <25
3	25 to <35
4	35 to <45
5	45 to <55
6	55 to <65
7	65 to <75
8	75 to <85
9	85 to 99
=	3 to < 7
?	Poss. Present
X	Essentially 100%

TABLE,ROCKQUAL

AL	ALTERED
AN	andesitic
AR	argillaceous
CA	CALCAREOUS
CG	conglomeratic
CH	cherty
CY	clayey
FL	felsitic
FR	FRESH
FU	FRESH/UNALTERED
GG	GOUGY
GR	granitic
L1	LEACHED/ OXIDIZED INTENSELY
L2	LEACHED/ OXIDIZED MODERATELY
L3	LEACHED/ OXIDIZED WEAKLY
LI	LIMONITIC
MN	MINERALIZED
PP	porphyritic
SE	SERICITIC
SF	SILICIFIED
SH	SHEARED
SI	SILICIFIED
TF	tuffaceous
VL	volcanic
VN	VEINED

TABLE,TRTYPE

DH	Diamond Drill Hole
OD	Overburden Drill Hole
PD	Percussion Drill Hole
RC	Reverse Circulation Drill Hole

```
ABLE.LC-SCALE
 0B          ORANGISH BROWN
 1A          Darkest Grey
 1B          Darkest Blue
 1G          Darkest Green
 1O          Darkest Orange
 1R          Darkest Red
 1T          Darkest Tan
 1U          Darkest Brown
 2A          Very Dark Grey
 2B          Very Dark Blue
 2G          Very Dark Green
 2O          Very Dark Orange
 2R          Very Dark Red
 2T          Very Dark Tan
 2U          Very Dark Brown
 2Y          Very Dark Yellow
 3A          Darker Grey
 3B          Darker Blue
 3G          Darker Green
 3O          Darker Orange
 3R          Darker Red
 3T          Darker Tan
 3U          Darker Brown
 3Y          Darker Yellow
 4A          Dark Grey
 4B          Dark Blue
 4G          Dark Green
 4O          Dark Orange
 4R          Dark Red
 4T          Dark Tan
 4U          Dark Brown
 4Y          Dark Yellow
 5A          Medium Grey
 5B          Medium Blue
 5G          Medium Green
 5O          Medium Orange
 5R          Medium Red
 5T          Medium Tan
 5U          Medium Brown
 5Y          Medium Yellow
 6A          Lighter Grey
 6B          Lighter Blue
 6G          Lighter Green
 6O          Lighter Orange
 6R          Lighter Red
 6T          Lighter Tan
 6U          Lighter Brown
 6Y          Lighter Yellow
 7A          Light Grey
```

7B	Light Blue
7G	Light Green
7O	Light Orange
7R	Light Red
7T	Light Tan
7U	Light Brown
7Y	Light Yellow
8A	Pale Grey
8B	Pale Blue
8G	Pale Green
8O	Pale Orange
8R	Pale Red
8T	Pale Tan
8U	Pale Brown
8Y	Pale Yellow
9A	Palest Grey
9B	Palest Blue
9G	Palest Green
9O	Palest Orange
9R	Palest Red
9T	Palest Tan
9U	Palest Brown
9Y	Palest Yellow
BF	BUFF
BT	BUFF TAN
BU	BUFF BROWN
DA	DARK GREENISH GREY
GA	GREENISH GREY
GG	GREENISH GREY
GT	GREENISH TAN
NN	Black
OB	ORANGISH BROWN
RB	RED BROWN
WW	White

TABLE,F-SCALE

.	Clear Field
0	Unfractured
1	Slightly fractured
2	Very lightly fractured
3	Lightly fractured
4	Fairly lightly fractured
5	Moderately fractured
6	Fairly well fractured
7	Well fractured
8	Very well fractured
9	Extremely well fractured
X	Shattered

TABLE,SID

‡‡	Slickensides
<<	Microvein
>>	Macrovein
AX	Axis of fold
BD	Bedding
BN	Banding
C/	Contact
D/	Dyke
F/	Fault
FB	Flow banding
FO	FOLIATION
FS	Fracture set
FZ	Fault zone
S/	Shear zone
U/	Unconformity
V/	Vein
VC	Carbonate vein
VE	Epidote vein
VP	Pyrite vein
VQ	Quartz vein

ESSO Minerals Canada
RELAY_CREE

DRILLHOLE/TRAVERSE : RYC003

PROJECT IDEN : RELAY_CREE START DATE : 88/ 7/26 COMPLETION DATE : 88/ 8/ 4 GEOLOGGED BY : KD +
COLLAR NORTHING: 200.00 COLLAR EASTING : 25.00 COLLAR ELEVATION: 2146.00 GRID AZIMUTH : 320.00
TOTAL LENGTH : 163.35 CORE/HOLE SIZE : NQWL

SURVEY FLAG	SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING
000	0.00		305.00	-60.00		

F K L E Y	- INTERVAL - (UNITS = FT) FROM - TO	CORE RECOV-ERY (FT.1)	% ROCK TYPE	TYPI-FYING 1	QRL MIN 2	MRT QM1	TEX-TURES 1	GRAIN CHARACS 2	FRAC-TURE F C	% M	T	STRUCTUR-1 ID	STK	DIP	ALTERATION MINS H H H H H ANY	ORE-TYPE MINS H H H H ANY	SUMMARY
K E Y	F L G	ROCK QUAL DESIG	FOR MEM AGE	EN V	RT Q	TM LC- 3 COL	QM2	TX 3	TX 4	S R S Q DIP F P P C	T	STRUCTUR-2 ID	STK	DIP	A A A A A	A A A A A	
P	0.00 0.60		OVER								P						
P	0.60 5.18	50.0	HFPO								P						
L											X						
P	5.18 15.85	70.0	HFPO								P						
R	8.23 8.83		2-5cm vuggy white calcite vein														
R	15.25 15.85		No recovery/no sample.														
P	15.85 29.75	90.0	HFPO QZ LI HB2 PP RH								P			3=		P2 3*	
L		40.0	L2 BU SR FX3 RP VC								S			6+			
R	15.85 29.75		Hornblende-feldspar porphyry. Weak to moderate (70%) pervasive														
R	15.85 29.75		limonitic/sericite alteration. Pseudomorphs of hornblende and														
R	15.85 29.75		feldspar crystals are present, some areas total destroyed.														
R	15.85 29.75		Minor unaltered areas, siliceous with well formed hornblendes														
R	15.85 29.75		and feldspars. Sericite in replaced hornblendes and fracture														
R	15.85 29.75		surfaces. Weakly mineralized with >1% pyrite, non-magnetic.														
P	29.75 39.65	95.0	HFPO QZ LI HB2 PP RH								P			3=		P1 3*	
L			L3 BU SR FX3 RP VC								S			6+			
R	29.75 39.65		Decrease in pervasive limonitic alteration. 50% buff brown,														
R	29.75 39.65		50% medium grey.														
P	39.65 49.60	95.0	HFPO QZ LI HB2 PP RH								P			3+		<* P2 3*	
L		4.0	L2 BU SR FX3 RP VC								6			6+			
R	39.65 41.20		Pervasive limonitic alt. Weakly min. >1% py., trace of														
R	39.65 41.20		pyrrhotite and sphalerite, generally in microveinlets.														
R	41.20 41.60		2-3cm calcite vein, minor py, trace pyh, sph.														
R	44.60 45.00		Same as last remark.														
R	47.40 47.80		Semimassive py/pyh in calcite VN.														
P	49.60 50.50	75.0	HFPO CY LI HB2 PP RH								P			3=		P2 3*	
L			L2 BU SR FX3 RP VC								X			6+			
R	49.60 50.50		Clayey, poor recovery. Pervasive limonite.														

ESSO Minerals Canada
RELAY_CREE

DRILLHOLE/TRAVERSE : RYC001 (CONTINUED)

K E Y	F L A G	FROM	TO	CORE RECOVERY (FT_I)	% M ROCK I X	TYPE	TYPING 1	TYPING 2	QAL MIN	TEXTURES 1	TEXTURES 2	GRAIN CHARACS F	GRAIN CHARACS C	GRAIN CHARACS %	GRAIN CHARACS M	FRACTURE P	FRACTURE #	FRACTURE TK	STRUCTUR-1 I	STRUCTUR-1 ID	STRUCTUR-1 STK AZM	STRUCTUR-1 DIP RT	ALTERATION A QZ	ALTERATION A BI	ALTERATION A CY	ALTERATION A CB	ALTERATION A MG	ALTERATION A ANY MIN	ORE-TYPE A XX	ORE-TYPE A PY	ORE-TYPE A CP	ORE-TYPE A GL	ORE-TYPE A ANY MIN	SUMMARY
K E Y	F L G			ROCK QUAL DESIG	FOR MEM AGE	EN U	RT Q	TM LC- COL	QM2 3	TX 3	TX 4	S R R	S Q D	N P C	H /	DIP SML	F I	I 2	ID	STK AZM	DIP RT	KF STRUCTUR-2	MU A	CL A	EP A	HE A	HA A	PR A	MO A	SL A	HA A				
P		50.50	53.00	95.0	HFPO	QZ	LI	HB2	PP	RH						P																		3= PZ 3*
L						L2	BU	SR	FX3	RP	VC					5																		6+
R		50.50	53.00	Less clayey, same as previous units.																															
P		53.00	61.90	95.0	HFPO	SR	LI	FX3	PP	PA						P																		P1 3*
L				30.0		L3	7U		HB2							6																		
R		53.00	61.90	Patchy limonite alteration, 50% limonite/ 50% fresh grey																															
R		53.00	61.90	hornblende-feldspar porphyry. Weakly mineralized, minor calcite																															
R		53.00	61.90	veinlets with py, pyh??																															
P		61.90	70.90	85.0	HFPO	LI	SR	HB2	PP	RH						P																		3)
L				.0			7U	CY	FX3	RP						8								P+										
R		61.90	70.90	Pervasive limonitic-sericite alteration. Minor unaltered med.																															
R		61.90	70.90	grey HFPO zone. Most of the feldspar crystals have been																															
R		61.90	70.90	replaced by clay minerals and limonite. Hornblende replaced																															
R		61.90	70.90	with limonite/sericite. Partial argillic altertion.																															
P		70.90	72.00	50.0	HFPO		CY		BR							P																		61
L				.0					VC							X																		
R		70.90	72.00	Broken ground, 50% recovery.																															
P		72.00	77.00	95.0	HFPO	QZ	LI	HB2	PP	VC						P																		71 3)
L				30.0		L3	7U	SR	FX3							7																		
R		72.00	77.00	Decreasing limonite/sericite alteration, 50% light brown																															
R		72.00	77.00	altered, 50% fresh medium grey. Siliceous in some spots. Core																															
R		72.00	77.00	seems to be come less altered and more competent at depth.																															
P		77.00	96.82	90.0	HFPO	QZ	LI	HB2	PP	VC						P							P2											3+
L				50.0		SF	SA		FX3							5							03											3(3(
R		77.00	96.82	Decrease in limonite/sericite altertion >10%, only on fractures																															
R		77.00	96.82	and envelopes. Medium grey colour with variable																															
R		77.00	96.82	feldspar hornblende textures. Slightly siliceous. Increased																															
R		77.00	96.82	mineralization, 1-2% pyrite tr. of pyh and sph. Hornblende																															
R		77.00	96.82	replaced by sericite. Minor calcite veins. Lath shaped feldspar																															
R		77.00	96.82	crystals in some zones.																															
R		77.00	96.82	xlt's																															
N		89.25	91.00	8	HFPO	LI										N																			
L							7U																												
P		96.82	102.00	90.0	FQHP	HB	PY	QZ2	PP							P							12	P)										3= 6S
L				60.0		MN	7A		FX3							3							03											3) 3+ 3(
R		96.82	100.00	Similar to HFPO, decrease in horblende, increase in qtz., feld.																															
R		96.82	100.00	xtl = larger (2-4mm). Light/pale grey colour. More siliceous,																															

ESSO Minerals Canada
RELAY_CREE

DRILLHOLE/TRAVERSE : RYC001 (CONTINUED)

K E Y	L A G	FROM	TO	CORE RECOVERY (FT.I)	% ROCK TYPE	TYPI-FYING 1	TYPI-FYING 2	QRL MIN 1	QRL MIN 2	TEX-TURES 1	TEX-TURES 2	GRAIN CHARACS	FRAC-TURE	STRUCTUR-1 / STRUCTUR-2	ALTERATION MINS / STRUCTUR-2	ORE-TYPE MINS / STRUCTUR-2	SUMMARY
R		96.82	100.00														pervasive qtz-carb.alter. Increase py.(2-5%) and sphalerite
R		96.82	100.00														(1-2%) and pyrrhotite (1-2%). Sphalerite occurs as 0.5-3mm
R		96.82	100.00														bluish black blebs, sometimes rimed by py. or pyh. Could be a
R		96.82	100.00														modest amount of aspy. Mineralization is well disseminated
R		96.82	100.00														throughtout the zone. All mineral occurence is as blebs and
R		96.82	100.00														patches.
R		100.00	102.00														Very little vein mineralization. Two types of
R		100.00	102.00														pyrite?? fine grained dullish colour often occuring as rims and
R		100.00	102.00														coatings and a crystalline shinny/blockly type. Previously
R		100.00	102.00														noted in the 1987 RC drill holes.
P		102.00	103.90	98.0		FQHP		LI2	PP RP				P				
L				30.0		LI	RB	FX3		6							
R		102.00	103.90														Intense limonitic alter. Mineralization partially destroyed by
R		102.00	103.90														alteration.
P		103.90	105.35	100.0		FQHP	HB PY	QZ2	PP				P		P)	3=	AS
L				60.0		MN	7A	FX3		5					3)	3*	37
R		103.90	105.35														Same as previous unaltered section.
P		105.35	107.75	98.0		FQHP		LI2					P				
L				30.0		L1		FX3		7							
R		105.35	107.75														Intense limonitic/sericite alteration.
P		107.75	128.00	100.0		FQHP	HB PY	QZ2	PP				P	12	P)	3=	AS
L				60.0		MN	7A CB	FX3		3				F3		3)	3) 3(
R		107.75	118.00														Same as section 96.82 to 102.0. Well mineralized w/ pyrite and
R		107.75	118.00														black sphalerite. Less qtz-carb. alteration. Variable feldspar
R		107.75	118.00														cont.
R		118.00	118.20														2-3cm calcite/chlorite veinlet. 3%py., 2%sph. and 0.5%aspy.
R		118.00	118.20														Angle to core axis 90.
M		118.00	118.20			8	VEIN						N				
P		128.00	135.60	100.0		HFPO	HB QZ	FX					P			3)	
L							SA									3(	3*
R		128.00	135.60														Similar to last section. Changing feldspar character, lath
R		128.00	135.60														shaped xlts reappear. Minor increase in the hornblende content.
R		128.00	135.60														Decreasing mineralization. Dark grey.
P		135.60	138.35	100.0		FGTF		SF1	FG				P	80 45		3*	
L				40.0		AR	4A			6							
R		135.60	138.35														FG argillaceous tuff. Minor lithic fragments. Weakly
R		135.60	138.35														mineralized.
P		138.35	153.00	100.0		FQHP	PY	QZ3	PP				P			3+	AS

ESSO Minerals Canada
RELAY_CREE

DRILLHOLE/TRAVERSE : RYC001 (CONTINUED)

F K L E A Y	-INTERVAL- (UNITS = FT) FROM	TO	CORE RECOV-ERY (FT.)	% M ROCK I % TYPE	TYPI-FYING 1	ORL MIN 2	TEX-MAT	GRAIN TURES 1	FRAC-TURE CHARACS 2	STRUCTUR-1 T	ID	ALTERATION STK	DIP	MINS ANY	ORE-TYPE MINS ANY	SUMMARY
K	F		ROCK QUAL DESIG	FOR MOM AGE	EN U	RT Q	TM LC-	QM2 3	TX	TR S	R S	O DIP	F I	STRUCTUR-2 T	ID	STK	DIP	
L			60.0	SF	BG	FX3												3(3(
R	138.35	151.30	Similar to previous FQHP sections. Lighter colour. Slight decrease in silicifcation towards the bottom. Decrease in sphalerite content.															
R	151.30	152.00	2-3cm well mineralized qtz. vein, 3-5%py, 2-3%sph,and 2-3% aspy. Angle to core 0-5.															
N	151.30	151.60	8 VEIN											N				
R	152.60	153.00	Highly siliceous, well mineralized near contact??, 2-3% aspy. Vein zone) to core 75.															
N	152.60	153.00	6 SMSX											N				
P	153.00	157.58	95.0	FGTF			BD	BN						P	BD		43	
L			40.0		AR	4A		FG						S				
R	153.00	157.58	Irregular whispy dark grey and grey-brown bands/bedding. Agrillaceous component. Minor calcite veins, weakly mineralized.															
P	157.58	163.67	95.0	FGTF			PP	FG						P	BD		43	
L					AR	7A								S				
R	157.58	163.67	Similiar to last section. Lighter grey. Weakly porphyritic. Less banding. End of Hole.															

K	F		ROCK QUAL DESIG	FOR MOM AGE	EN U	RT Q	TM LC-	QM2 3	TX	TR S	R S	O DIP	F I	T 2	ID	STK	DIP	KF MU CL EP HE HA PR MO SL HA A A A A A A A A		
L																				
R	138.35	151.30	Similar to previous FQHP sections. Lighter colour. Slight decrease in silicifcation towards the bottom. Decrease in sphalerite content.																	
R	151.30	152.00	2-3cm well mineralized qtz. vein, 3-5%py, 2-3%sph,and 2-3% aspy. Angle to core 0-5.																	
N	151.30	151.60	8 VEIN											N						
R	152.60	153.00	Highly siliceous, well mineralized near contact??, 2-3% aspy. Vein zone) to core 75.																	
N	152.60	153.00	6 SMSX											N						
P	153.00	157.58	95.0	FGTF			BD	BN						P	BD		43			
L			40.0		AR	4A		FG						S						
R	153.00	157.58	Irregular whispy dark grey and grey-brown bands/bedding. Agrillaceous component. Minor calcite veins, weakly mineralized.																	
P	157.58	163.67	95.0	FGTF			PP	FG						P	BD		43			
L					AR	7A								S						
R	157.58	163.67	Similiar to last section. Lighter grey. Weakly porphyritic. Less banding. End of Hole.																	

S U M M A R Y R E M A R K S

0.0-0.6 OVERBURDEN/CASING
0.6-96.82 HORNBLENDE-FELDSPAR PORPHYRY
--15.85-29.75 70% SERICITE/LIMONITE ALTERATION, >1%PY
--29.75-39.65 50% SERICITE/LIMONITE ALTERATION
--39.65-49.6 QTZ-CARB-LIMONITE, >1%PY TRACE PYR + SPH
--77.0-96.82 >10% LIMONITE-SERICITE ALTERATION
96.82-128.0 FELDSPAR-QUARTZ-HORNBLENDE PORPHYRY
--96.82-102.0 MODERATELY SILICEOUS, 2-5%PY, 1-2%SPH
--107.75-128.0 2-5%PY, 1-2%SPH, 1%ASPY
128.0-135.65 HORNBLENDE-FELDSPAR PORPHYRY
135.65-138.35 FINE GRAINED ARGILLACEOUS TUFF
138.35-153.0 FELDSPAR-QUARTZ-HORNBLENDE PORPHYRY 3-5%PY, 1%SPH, 1%ASPY
153.0-163.67 FINE GRAINED ARGILLACEOUS TUFF >1%PY

ESSO Minerals Canada
RELAY_CREE

DRILLHOLE/TRAVERSE : RYC002

PROJECT IDEN : RELAY_CREE START DATE : 88/ 7/17 COMPLETION DATE : 88/ 7/25 GEOLOGGED BY : JLM + KB
COLLAR NORTHING: 352.00 COLLAR EASTING : 21.00 COLLAR ELEVATION: 2185.00 GRID AZIMUTH : 320.00
TOTAL LENGTH : 169.20 CORE/HOLE SIZE : HQWL

SURVEY FLAG	SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING
000	0.00		100.00	-60.00		
001	85.00		100.00	-63.00		

KEY	FROM	TO	CORE RECOVERY (FT.1)	% ROCK TYPE	TYPING 1	TYPING 2	QAL MIN	TEXTURES 1	TEXTURES 2	GRAIN CHARACS	FRACTURE	STRUCTURE-1	ALTERATION MINS	ORE-TYPE MINS	SUMMARY
K															
E															
Y															
P	0.00	0.35			OVER										
R	0.00	0.35	Two feet of casing.												
M	0.00	0.01			X OVER										
P	0.35	3.70	80.0	HFPO	QZ	CA	FX2	PP	RP	P		()	3= 32	HB 8*	LI
L			.0		SA	SR	HB1	<<	LH	X		DZ H)		D1 B<	H1
R	0.35	3.70	Hornblende - K-spar porphyry. Medium grey on fresh surface.												
R	0.35	3.70	Light brown when limonite weathered. Supergene limonite												
R	0.35	3.70	weathering is generally weakly pervasive throughout weathered												
R	0.35	3.70	zones except for hornblende which is more intensely												
R	0.35	3.70	limonitized. Over-all, limonite alteration forms as coalescing												
R	0.35	3.70	envelopes to fractures exposed to meteoric water. Un-altered												
R	0.35	3.70	hornblende contains calcite inclusions (?). Calcite forms in												
R	0.35	3.70	veins which are partially leached, enhancing loss of rock												
R	0.35	3.70	strength. Pyrite and minor slightly magnetic pyrrhotite are												
R	0.35	3.70	disseminated throughout and is locally replaced by hem.(eg.18.6)												
P	3.70	6.70	40.0	HFPO	QZ	CA	FX2	PP	RP	P		()	3= 32	HB 8*	LI
L			.0		SA	SR	HB1	<<	LH	X		DZ H)		D1 B<	H1
R	3.70	16.70	Hornblende - K-spar porphyry. Medium grey on fresh surface.												
R	3.70	16.70	Light brown when limonite weathered. Supergene limonite												
R	3.70	16.70	weathering is generally weakly pervasive throughout weathered												
R	3.70	16.70	zones except for hornblende which is more intensely												
R	3.70	16.70	limonitized. Over-all, limonite alteration forms as coalescing												
R	3.70	16.70	envelopes to fractures exposed to meteoric water. Un-altered												
R	3.70	16.70	hornblende contains calcite inclusions (?). Calcite forms in												
R	3.70	16.70	veins which are partially leached, enhancing loss of rock												
R	3.70	16.70	strength. Pyrite and minor slightly magnetic pyrrhotite are												
R	3.70	16.70	disseminated throughout and is locally replaced by hem.(eg.18.6)												
P	6.70	8.20	50.0	HFPO	QZ	CA	FX2	PP	RP	P		()	3= 32	HB 8*	LI
L			.0		SA	SR	HB1	<<	LH	X		DZ H)		D1 B<	H1
P	8.20	12.50	20.0	HFPO	QZ	CA	FX2	PP	PP	P	FS	30 ()	3= 32	HB 8*	LI

KEY	FROM	TO	CORE RECOVERY (FT.1)	% ROCK TYPE	FOR MEM	EN V	RT Q	TM LG	QM2 3	TX 3	TX 4	S G	R N	S H	O /	DIP SML	F I	STRUCTURE-2	ALTERATION MINS	ORE-TYPE MINS
K				ROCK																
E				QUAL																
Y				DESIG	AGE			COL				R	D	P	C					

ESSO Minerals Canada
RELAY_CREE

DRILLHOLE/TRAVERSE : RYC002 (CONTINUED)

F K E Y	L A G	- I N T E R V A L - (UNITS = FT) FROM	TO	CORE RECOV- ERY (FT.)	X M ROCK I X	TYPE	TYPI- FYING TM	QAL MIN 1	TEX- TURES 1	GRAIN CHARACS 2	FRAC- TURE F	C	X	M	STRUCTUR-1 T	ID	STK	DIP	ALTERATION H A	H A	H A	H A	H A	MINS ANY	ORE-TYPE MINS H A	H A	H A	MIN ANY	SUMMARY
K E Y	F L G			ROCK QUAL DESIG	FOR MEM AGE	EN U	RT Q	TM LC- COL	QM2 3	TX 3	TX 4	S Q R	R N P	S H C	O /	DIP SML	F I	STRUCTUR-2 T 2	ID	STK AZM	DIP RT	KF	MU H A	CL H A	EP H A	HE H A	HA H A	PR H A	MO H A	SL H A	HA H A
L				.0				SA	SR	HB1	<<	LH				X		FS		50	02	H)				01	B(		H1
P		12.50	15.80	30.0			HFPO	QZ	CA	FX2	PP	RP				P						<)		3=	32	H9	B*		L1
L				.0				SA	SR	HB1	<<	LH				X					02	H)				01	B(		H1
P		15.80	16.70	100.0			HFPO	QZ	CA	FX2	PP	RP				P						<)		3=	32	H8	B*		L1
L				10.0				SA	SR	HB1	<<	LH				4					02	H)				01	B(		H1
P		16.70	22.10	80.0			HFPO	QZ	CA	FX2	PP	RP				P						<)		3=	32		B*		L1
L				20.0			LI	SA	SR	HB1	<<	LH				5					02	H)					B(		H1
R		16.70	22.10	No fresh hornblende below 16.7m. In un-limonitized (fresh)																										
R		16.70	22.10	rock, hornblende is replaced by sericite + calcite.																										
R		18.10	19.10	Hematite in 1cm Qz. - feldspar vein @ 18.6.																										
P		22.10	23.20	80.0			HFPO	QZ	CA	FX2	PP	RP				P						<)		3=	32		B*		L1
L				.0			LI	SA	SR	HB1	<<	LH				X					02	H)					B(		H1
P		23.20	23.40	100.0			HFPO	QZ	CA	FX2	PP	RP				P						<)		3=	32		B*		L1
L				100.0			LI	SA	SR	HB1	<<	LH				0					02	H)					B(		H1
P		23.40	25.00	95.0			HFPO	QZ	CA	FX2	PP	RP				P						<)		3=	31		B*		L1
L				.0			LI	SA	SR	HB1	<<	LH				5					02	H)					B(		H1
R		23.40	25.90	Rock as above. Pervasive limonite becomes more patchy and																										
R		23.40	25.90	silicified, sericitized medium grey rock predominates. Possibly																										
R		23.40	25.90	degree of limonitization decreases with increased hypogene																										
R		23.40	25.90	silicification. Pyrite content appears slightly higher in																										
R		23.40	25.90	silicified sections. Pyrite locally forms cores of orthoclase																										
R		23.40	25.90	phenocrysts (eg. @28.6). From 28.2 to 33m., analytical samples																										
R		23.40	25.90	are separated on presence or absence of limonite.																										
P		25.00	33.30	100.0			HFPO	QZ	CA	FX2	PP	RP				P		FS		30	<)		3=	31		B*		L1
L				25.0			LI	SA	SR	HB1	<<	LH				4		FS		50	02	H)					B(		H1
R		25.90	27.10	*****CHANGED TO NQ CORE *****																										
P		33.30	37.30	100.0			HFPO	QZ	CA	FX2	PP	RP				P						<)		3=	32		B*		L1
L				25.0			LI	SA	SR	HB1	<<	LH				4					02	H)					B(		H1
R		33.30	37.30	Limonite increases to largely pervasive as before.																										
P		37.30	44.80	100.0			HFPO	QZ	CA	FX2	PP	RP				P		TS		30	<)		K1	32		B*		L1
L				10.0			LI	SA	SR	HB1	<<	LH				4		FS		50	02	H)					B(		H1
R		37.30	38.30	More abundant calcite as anastomosing microveins.																										
R		37.30	44.80	Calcite as anastomosing microveins.																										
P		44.80	56.00	100.0			HFPO	QZ	CA	FX2	PP	RP				P						<)		K1	32		B*		L1

ESSO Minerals Canada
RELAY_CREE

DRILLHOLE/TRAVERSE : RYC002 (CONTINUED)

KEY	FROM	TO	CORE RECOV-ERY (FT.1)	% ROCK TYPE	TYPE-FYING MIN 1	TEX-TURES 2	GRAIN CHARACS 1	FRAC-TURE 2	STRUCTURE-1	ALTERATION MINS	ORE-TYPE MINS	SUMMARY
K F			ROCK QUAL DESIG	FOR MEM AGE	EN U	RT Q LC	TM 3	QM2 3	TX 4	TX 0	S R S N	O DIP H /	F STRUCTURE-2	ALTERATION MINS	ORE-TYPE MINS	
L			10.0		CA SA SR	HB1 << LH			4		QZ H)		BC	HI		
R	44.80	47.90	Increased quartz - calcite - sid(?) - pyrite veining forms a									
R	44.80	47.90	stockwork or anastomosing network.									
R	47.90	49.00	1 cm. banded vein @ 0 deg. to c.a. over this interval.									
R	49.00	56.00	Quartz - calcite - sid(?) - pyrite veining as above.									
P	56.00	58.00	100.0	HFPO	QZ CA	FX2 PP	RP	P	()	K1 32	B*	LI
L			10.0		CA SA	SR HB1	<< LH	4	QZ H)		BC	HI
P	58.00	60.20	100.0	HFPO	QZ CA	FX2 PP	RP	P	()	K1 32		LI
L			10.0		CA SA	SR HB1	<< LH	4	QZ H)			HI
R	58.00	60.20	Disseminated iron sulphides diminish to trace.									
P	60.20	61.00	50.0	HFPO	QZ CA	FX2 PP	RP	P	()	3= 32		LI
L			.0		CA SA	SR HB1	<< LH	X	QZ H)			HI
R	60.20	64.90	Carbonate veining diminishes.									
P	61.00	62.60	66.0	HFPO	QZ CA	FX2 PP	RP	P	()	3= 32		LI
L			.0		LI SA	SR HB1	<< LH	X	QZ H)			HI
P	62.60	63.10	50.0	HFPO	QZ CA	FX2 PP	RP	P	()	3= 32		LI
L			.0		LI SA	SR HB1	<< LH	X	QZ H)			HI
P	63.10	64.90	80.0	HFPO	QZ CA	FX2 PP	RP	P	()	3= 32		LI
L			.0		LI SA	SR HB1	<< LH	X	QZ H)			HI
P	64.90	65.60	100.0	HFPO	QZ CA	FX2 PP	RP	P	()	3= 32	HB	
L			10.0		FR SA	SR HB1	<< LH	6	QZ H)		U1	
R	64.90	65.60	Fresh hornblende crystals.									
P	65.60	66.70	90.0	HFPO	QZ CA	FX2 PP	RP	P	()	3= 32		LI
L			.0		SE SA	SR HB1	<< LH	6	QZ /1			HI
R	65.60	66.70	Somewhat more sericitic.									
P	66.70	67.90	90.0	HFPO	QZ CA	FX2 PP	RP	P	()	3= 32		LI
L			.0		SE BF	SR HB1	<< LH	X	QZ /2			HI
R	66.70	67.90	Increased pervasive sericite.									
P	67.90	70.10	100.0	HFPO	QZ CA	FX2 PP	RP	P	()	3= 32		LI
L			.0		SE SA	SR HB1	<< LH	X	QZ /2			hi
P	70.10	71.30	100.0	HFPO	QZ CA	FX2 PP	RP	P	FS 30	()	3= 32	LI
L			20.0		SE SA	SR HB1	<< LH	5	FS 50	QZ /1		hi
P	71.30	71.80	100.0	HFPO	QZ CA	FX2 PP	RP	P	()	3= 32		LI

ESSO Minerals Canada
PELAY_CREE

DRILLHOLE/TRAVERSE : PYC002 (CONTINUED)

F K E Y	L A G	INTERVAL FROM (UNITS = FT)	INTERVAL TO	CORE RECOVERY (FT.)	% ROCK TYPE	TYPE-1 1	TYPE-1 2	QAL MIN 1	TEXTURES 2	GRAIN CHARACS F	FRACTURE C	FRACTURE %	FRACTURE M	STRUCTUR-1 I	STRUCTUR-1 IO	STRUCTUR-1 STK AZM	STRUCTUR-1 DIP RT	ALTERATION A	ALTERATION H	ALTERATION H	ALTERATION H	ALTERATION H	ALTERATION H	ALTERATION H	ALTERATION H	ORE-TYPE MINS A	ORE-TYPE MINS H	ORE-TYPE MINS H	ORE-TYPE MINS H	ORE-TYPE MINS ANY	ORE-TYPE MINS A	ORE-TYPE MINS H	ORE-TYPE MINS H	ORE-TYPE MINS H	ORE-TYPE MINS ANY	SUMMARY
K E Y	F L G	ROCK QUAL DESIG	FOR MEM AGE	CR Q	KT LC-	TM 3	QM2 3	TX 4	TX R	S 0	R N	S H	D P	DIP / C	F SML	I	STRUCTUR-2 1 2	IO	STK AZM	DIP RT	KF	MU	CL H	EP H	HE H	MG H	PR H	MU H	SL H	MN H						
L				20.0		SE	BF	SR	MB1	<<	LH			4						DZ	/2															MI
R		71.30	71.80	Sericitic as 66.7-67.9.																																
P		71.80	76.20	100.0		HFPO	QZ	CA	FX2	SH	RF			P		S/		20	()			3=	32													LI
L				25.0		SE	SA	SR	MB1	<<	LH			4						DZ	/1															MI
R		71.80	76.20	Shearing at 74.1°.																																
P		76.20	78.90	100.0		HFPO	QZ	CA	FX2	PP	RF			P					()			3=	32													LI
L				.0		SE	SA	SR	MB1	<<	LH			X						DZ	/1															MI
R		76.20	78.90	Crumbly zone, badly leached.																																
P		78.90	79.40	100.0		HFPO	QZ	CA	FX2	PP	RF			P					()			3=	32													LI
L				.0		SE	SA	SR	MB1	<<	LH			5						DZ	/1															MI
P		79.40	81.30	100.0		HFPO	QZ	CA	FX2	PP	RF			P					()			3=	32	MB												
L				.0		FR	SA	SR	MB1	<<	LH			5						DZ	H)															DI		
R		79.40	81.30	Re-appearance of fresh hornblende.																																
P		81.30	83.20	100.0		HFPO	QZ	CA	FX2	PP	RF			P					()			3=	32	MB												
L				.0		FR	SA	SR	MB1	<<	LH			X						DZ	H)															DI		
P		83.20	85.70	100.0		HFPO	QZ	CA	FX2	PP	RF			P					()			3=	32	MB												
L				10.0		FR	SA	SR	MB1	<<	LH			5						DZ	H)															DI		
P		85.70	88.10	100.0		HFPO	QZ	CA	FX2	PP	RF			P					()			32	32													LI
L				.0		SE	SA	SR	MB1	<<	LH			X						DZ	/1															MI
R		85.70	88.10	Increasing sericite and calcite. Very crumbly, leached section.																																
R		85.70	88.10	Hornblendes are altered.																																
P		88.10	89.30	100.0		HFPO	QZ	CA	FX2	PP	RF			P		)/		5	()			(2	32													LI
L				20.0		SE	BF	SR	MB1	<<	LH			4						DZ	/2															MI
R		88.10	89.30	1 cm. open drusy calcite lined vein @ 88.9m.																																
P		89.30	90.30	100.0		HFPO	QZ	CA	FX2	PP	RF			P					()			31	32													LI
L				30.0		SE	SA	SR	MB1	<<	LH			4						DZ	/1															MI
P		90.30	90.80	100.0		HFPO	QZ	CA	FX2	PP	RF			P					()			31	32													LI
L				30.0		SE	BF	SR	MB1	<<	LH			4						DZ	/2															MI
P		90.80	92.50	100.0		HFPO	QZ	CA	FX2	PP	RF			P					()			31	32													LI
L				10.0		SE	SA	SR	MB1	<<	LH			5						DZ	/1															MI
P		92.50	95.20	100.0		HFPO	QZ	CA	FX2	PP	RF			P		>>		5	()			31	32													LI
L				.0		SH	SA	SR	MB1	<<	LH			6		S/		20	DZ	/1																MI

ESSO Minerals Canada
KELAY_CREE

(DRILLHOLE/TRAVERSE : KYC002 (CONTINUED)

FROM	TO	CORE RECOVERY (FT.)	% ROCK TYPE	TYPE 1	TYPE 2	QUAL 1	TEXTURES 1	TEXTURES 2	GRAIN CHARACS	FRACTURE	STRUCTOR-1 1	STRUCTOR-1 ID	STRUCTOR-1 STR	STRUCTOR-1 DIP	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	MINS A	MINS B	MINS C	MINS D	MINS E	ORE-TYPE MINS	SUMMARY
KEY: FROM		ROCK QUAL DESIG	FOR MEM AGE	EN VU COL	RT Q	TM LC-	QMZ 3	TX 3	TX 4	S G	R N	S H	D /	DIP SML	T 2	ID STR	STR DIP	KF MU	CL EP	HE HA	PR MG	SL HA				
KEY: TO																										
R	92.50	95.20																								In and out of 1-2cm. parallel to c.a. qz-calcite vein from 92.5 to 98.7m. Sheared and crumbly section.
P	95.20	100.90	100.0	HFPO	QZ	CA	FX2	PP	RP			P	FS		30	()		31	32						LI
L			30.0		CA	SA	SR	HB1	<<	LH		4	FS		50	QZ	H)									H1
R	95.20	100.90																								Becoming less altered.
P	100.90	102.00	100.0	HFPO	QZ	CA	FX2	PP	RP			P				()		32	32						LI
L			.0		CA	SA	SR	HB1	<<	LH		X				QZ	H)								H1
R	100.90	102.00																								Crumbly, sheared section.
P	102.00	105.10	90.0	HFPO	QZ	CA	FX2	PP	<<			P				()		3=	C=	HB	<<					
L			20.0		FR	SA	SR	HB1	LH	MX		4				QZ	O)			O1	<<					
R	102.00	105.10																								Fresh hornblende with minor sericitization. No disseminated
R	102.00	105.10																								sulphides. Some narrow silica envelopes.
P	105.10	108.80	80.0	HFPO	QZ	CA	FX2	PP	<<			P				()		3=	32	HB	<<					
L			.0		LI	SA	SR	HB1	LH	MX		7				QZ	O)			O1	<<					
R	105.10	108.80																								Limonitic section, leached, more broken up.
P	108.80	110.90	60.0	HFPO	QZ	CA	FX2	PP	<<			P				()		3=	32	HB	<<					
L			.0		LI	SA	SR	HB1	LH	MX		9				QZ	O)			O1	<<					
P	110.90	115.50	90.0	HFPO	QZ	CA	FX2	PP	<<			P				()		3=	32	HB	<<					
L			.0		LI	SA	SR	HB1	LH	MX		6				QZ	O)			O1	<<					
P	115.50	125.30	100.0	HFPO	QZ	CA	FX2	PP	<<			P				()		3=	C=	HB	<<					
L			.0		FR	SA	SR	HB1	LH	MX		5				QZ	O)			O1	<<					
R	115.50	125.30																								Return to relatively fresh rock with local silicified sections.
R	115.50	125.30																								Limonite restricted to fractures. Rock is less fractured and
R	115.50	125.30																								more easier to drill. Some minor disseminated py-po. Occasional
R	115.50	125.30																								pyrite+calcite+quartz veins to 3/4cm.
P	125.30	148.40	100.0	HFPO	QZ	CA	FX2	PP	<<			P				()		3=	C=	HB	<<					
L			40.0		FR	SA	SR	HB1	LH	MX		3				QZ	O)			O1	<<					
R	125.30	148.40																								Rock as above, less fractured.
P	148.40	149.60	100.0	HFPO	QZ	CA	FX2	PP	<<			P				()		3=	C=	HB	3)					
L			90.0		MN	SA	SR	HB1	LH	MX		5				QZ	O)			O1	3/					
R	148.40	149.60																								Increased vein and disseminated py-po.
P	149.60	150.70	100.0	HFPO	QZ	CA	FX2	PP	<<			P				()		3=	C=	HB	3=					
L			90.0		MN	SA	SR	HB1	LH	MX		5				QZ	O=			O1	3=					>>
R	149.60	151.00																								To 150.7- Still higher sulphides + sericite. 3cm.

ESSO Minerals Canada

RELAY_CREE

DRILLHOLE/TRAVERSE = RYC002 (CONTINUED)

```
  F  -INTERVAL-    CORE      %     TYPI- QAL  TEX-  GRAIN FRAC-        STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS
K L (UNITS = FT)   RECOV-    M ROCK FYING MIN TURES CHARACS TURE                  H  H  H  H  H ANY H  H  H ANY
E A                 ERY      I      IM IM MAT TX TX F C Z M          F TD STK DIP  H  H  H  H  H MIN H  H  H MIN
Y G  FROM  - TO    (FT.%)    X TYPE  1  2 QM1  1  2 F F C P  # TK    1    AZM  RT QZ BI CY CB MG XX PY CP GL YY  SUMMAR:
- --- -----.--  -----.--  ----.- -- - ---- -- -- --- -- -- - - - - -- -- -  - -- --- --- -- -- -- -- -- -- -- -- --  - - - -
K F                ROCK   FOR EN RT   TM QM2 TX TX S R S O DIP F     T TD STK DIP KF MU CL EP HE HA PO MO SL NA
E L                QUAL   MEM  U  Q LC- 3      3 4 U N H / SML I     2    AZM  RT        H  H  H  H  H  H  H  H
Y G                DESIG  AGE     COL             R O P C            STRUCTUR-2           A  A  A  A  A  A  A  A

R     149.60    151.00     qz+ca+py+po+sp @ 150.4.

P     150.70    152.00   100.0     HFPO QZ CA FX2 PP <<              F               ()       3= C= HB 3)
L                         40.0       MN 7A SR HB1 LH MK            3                 U2 0)          01 3)     ))
R     151.00    152.00     Decreasing sulphides as 148.4-149.6.

P     152.00    169.20   100.0     HFPO QZ CA FXZ PP <<              P               ()       3= C= HB <<
L                         50.0       FR 7A SR HB1 LH MK            3                 02 0)          01 <
R     152.00    169.20     Relatively fresh rock as above.
```

S U M M A R Y   R E M A R K S

000.0-000.35 Overburden.
000.35-169.2 HORNBLND-FSPAR-QZ PORPHYRY
-- 016.7-044.8 LIMONITIC
-- 044.8-061.0 CALCAREOUS
-- 061.0-064.9 LIMONITIC
-- 064.9-065.6 FRESH
-- 065.6-079.4 sericitic
-- 079.4-085.7 FRESH
-- 085.7-092.5 SERICITIC
-- 092.5-095.2 SHEARED
-- 095.2-102.0 CALCAREOUS
-- 102.0-105.5 FRESH
-- 105.1-115.5 LIMONITIC
-- 115.5-148.4 FRESH
-- 148.4-152 MINERALIZED PY, PO, SP(.5%)
-- 152.0-169.2 FRESH

ESSO Minerals Canada
RELAY_CREE

DRILLHOLE/TRAVERSE : RYC003

PROJECT IDEN : RELAY_CREE START DATE : 88/ 7/ 8 COMPLETION DATE : 88/ 7/16 GEOLOGGED BY : KD + JEM
COLLAR NORTHING: 700.00 COLLAR EASTING : -300.00 COLLAR ELEVATION: 2164.00 GRID AZIMUTH : 326.00
TOTAL LENGTH : 92.65 CORE/HOLE SIZE : HQWL

SURVEY FLAG	SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING
000	0.00		50.00	-60.00		

F K L E Y	INTERVAL (UNITS = FT) FROM	TO	CORE RECOVERY (FT.1)	% ROCK TYPE	TYPI-FYING MIN 1	QAL-TURES 2	TEX-TURES MAT QM1	GRAIN CHARACS 1	FRAC-TURE 2	STRUCTUR-E 1	ALTERATION MINS	ORE-TYPE MINS	SUMMARY
K	F		ROCK	FOR	EN	RT	TM	QM2	TX	TX	S	R	S	G	DIP	F	T	ID	STK	DIP	KF	MU	CL	EP	HE	HA	PR	MU	SL	HA	
E	L		QUAL	MEM	U	Q	LC-	3		3	4	Q	N	H	/	SML	I	2		AZM	RT			H	H	H	H	H	H	H	H	
Y	G		DESIG	AGE			COL				R	O	P	C				STRUCTUR-2						H	A	A	A	A	A	A	A	
P		0.00	2.40	.0	OVER												P														
L				.0																											
R		0.00	2.43	Blocky rock fragments.																											
M		0.00	0.01	X OVER													N														
P		2.40	3.70	90.0	FQHP	HB	CA	FX=	PP	LH							P														
L				.0	AL	7A		QZ	SI								X														
R		2.40	3.70	fspar-qz-hnblnd porphyry. fresh patches have light																											
R		2.40	3.70	pale grey fine grained matrix. Feldspar xtals are euhedral to																											
R		2.40	3.70	subhedral, ranging in size from 0.5 to 3.0mm. Qz. is pervasive																											
R		2.40	3.70	and disseminated as crystals. Qz. and hblnde. crystals not																											
R		2.40	3.70	always together. The rock is strongly fractured and coated with																											
R		2.40	3.70	limonite and clay surface weathering products.																											
R		2.40	3.70	Rock is variably and progressively silicified - matrix to																											
R		2.40	3.70	matrix + phenocrysts. Moderate amounts of slightly magnetic																											
R		2.40	3.70	pyrrhotite. Altered volcanic 3.4-3.6m.																											
P		3.70	8.20	10.0	FQHP	HB	CA	FX=	PP	LH							P														
L				.0	AL	7A		QZ	SI								X														
R		3.70	8.20	Mixed lithologies. Probably some caved debris.																											
R		3.70	8.20	Other remarks as per intervals above and below this one.																											
P		8.20	9.50	80.0	FQHP	HB	CA	FX=	PP	LH							P														
L				.0	AL	7A		QZ	SI								X														
R		8.20	8.60	More silicified.																											
R		8.60	18.90	fspar-qz-hnblnd porphyry. fresh patches have light																											
R		8.60	18.90	pale grey fine grained matrix. Feldspar xtals are euhedral to																											
R		8.60	18.90	subhedral, ranging in size from 0.5 to 3.0mm. Qz. is pervasive																											
R		8.60	18.90	and disseminated as crystals. Qz. and hblnde. crystals not																											
R		8.60	18.90	always together. The rock is strongly fractured and coated with																											
R		8.60	18.90	limonite and clay surface weathering products.																											
R		8.60	18.90	Rock is variably and progressively silicified - matrix to																											
R		8.60	18.90	matrix + phenocrysts. Moderate amounts of slightly magnetic																											
R		8.60	18.90	pyrrhotite.																											

ESSO Minerals Canada
RELAY_CREE

DRILLHOLE/TRAVERSE : RYC003 (CONTINUED)

F K E Y	L A G	- I N T E R V A L - FROM - TO (UNITS = FT)	CORE RECOVERY (FT.1)	% ROCK QUAL DESIG	TYPE	MAJOR ROCK TYPING 1	MINOR ROCK TYPING 2	QUALIFIERS MAT MOD	TEXTURES 1	TEXTURES 2	GRAIN CHARACTERISTICS F C S M	FRACTURE #	STRUCTURE-1 ID	STRUCTURE-1 SIK	STRUCTURE-1 DIP	STRUCTURE-1 AZM	STRUCTURE-2 ID	STRUCTURE-2 SIK	STRUCTURE-2 DIP	STRUCTURE-2 AZM	ALTERATION MINS A	ALTERATION MINS A	ALTERATION MINS A	ALTERATION MINS A	ALTERATION MINS A	ALTERATION MINS ANY	ORE-TYPE MINS A	ORE-TYPE MINS A	ORE-TYPE MINS A	ORE-TYPE MINS ANY	SUMMARY
P		9.50 12.80	90.0	FQMP	MB	CA	FX=	PP	LH			P				/=	P(		H(		PL	9+								
L			.0		AL	7A		QZ	SI			X				0=		P(	P(	P.	()	9*		9.							
P		12.80 15.90	60.0	FQMP	MB	CA	FX=	PP	LH			P				/=	P(		H(		PL	9+								
L			.0		AL	7A		QZ	SI			X				0=		P(	P(	P.	()	9*		9.							
P		15.90 18.90	25.0	FQMP	MB	CA	FX=	PP	LH			P				/=	P(		H(		PL	9+								
L			.0		AL	7A		QZ	SI			X				0=		P(	P(	P.	()	9*		9.							
P		18.90 24.40	25.0	TUFF	PY	PR		FG	FR			P									()	()		3(						
L			.0		AN	SA		SW	<<			X												3)						
R		18.90 24.00	Medium to dark grey volcanic tuff. Fine grained - occasional																												
R		18.90 24.00	fragments to 3mm. Weakly mineralized with iron sulphides. Well																												
R		18.90 24.00	fractured with limonite coatings.																												
R		24.00 25.00	24.4-24.9 Moderately leached/altered feldspar porphyry zone.																												
P		24.40 26.80	100.0	TUFF	PY	PR		FG	FR			P									()	()		3(						
L			.0		AN	SA		SW	<<			X												3)						
N		24.40 24.60	5 FELP									N																		
R		25.00 37.20	Medium to dark grey volcanic tuff. Fine grained - occasional																												
R		25.00 37.20	fragments to 3mm. Weakly mineralized with iron sulphides. Well																												
R		25.00 37.20	fractured with limonite coatings.																												
N		25.30 25.60	5 FELP									N																		
P		26.80 29.00	50.0	TUFF	PY	PR		FG	FR			P									()	()		3(						
L			.0		AN	SA		SW	<<			X												3)						
P		29.00 31.10	100.0	TUFF	PY	PR		FG	FR			P									()	()		3(						
L			.0		AN	SA		SW	<<			X												3)						
P		31.10 34.10	33.0	TUFF	PY	PR		FG	FR			P									()	()		3(						
L			.0		AN	SA		SW	<<			X												3)						
P		34.10 37.20	75.0	TUFF	PY	PR		FG	FR			P									()	()		3(						
L			.0		AN	SA		SW	<<			X												3)						
P		37.20 40.40	60.0	TUFF	PY	PR		FG	FR			P									()	()		3(						
L			.0		AN	SA		SW	<<			X												3)						
R		37.20 37.50	Caved material, clay.																												
R		37.50 40.40	Rock as above.																												
P		40.40 42.90	90.0	TUFF	PY	PR		FG	SU			P	FO		35	()			()		()	0+		3)						
L			.0		AN	GA		<<				Y				<<			P					3+						

ESSO Minerals Canada
RELAY_CREE

DRILLHOLE/TRAVERSE : RYC003 (CONTINUED)

```
  F   -INTERVAL-  CORE     %      TYPI- QAL  TEX-  GRAIN FRAC-       STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS
K L (UNITS = FT)  RECOV-    M ROCK FYING MIN  TURES CHARACS TURE            H  H  H  H  H ANY H  H  H ANY
E A               ERY       I      TM TM MAT TX TX F C % M        T IO STK DIP A  A  A  A  A MIN A  A  A MIN
Y G  FROM - TO    (FT.1)    X TYPE 1  2 OM1 1  2 F F C P  0 TK   1   AZM  RT QZ BI CY CB MG XX PY CP GL YY  SUMMARY
- --- ----- -- ----- -- ----- ---- - - --- -- -- --- -- - - - - - -- - -- --- --- -- -- -- -- -- -- -- -- -- -- -- - - - -
K F               ROCK   FOR EN RT    TM OM2 TX TX S R S O DIP F   1 IO STK DIP KF MU CL EP HE HB PR MO SL HA
E L               QUAL   MEN U  Q LC- 3     3  4 0 H H / SML I   2   AZM  RT      H  H  H  H  H  H  H  H
Y G               DESIG  AGE      COL          R O P C           STRUCTUR-2       A  A  A  A  A  A  A  A

R     40.40   43.50      Pyrite, pyrrhotite content increasing. Pyrrhotite somewhat
R     40.40   43.50      magnetic. Occassional 1cm veins of massive pyrrhotite, parallel
R     40.40   43.50      to foliation. smaller iron sulphide microveins form the
R     40.40   43.50      stockwork. Sulphides overall would give a good I.P. response.
R     40.40   43.50      The material weather to form the gossanous coatings higher up.
R     40.40   43.50      Presumably the overall rusty colour on the mountain. Rock
R     40.40   43.50      becomes less shattered.

P     42.90   43.30  90.0     TUFF PY PR    FG SU          P   FO    35 ()     () C*  3)
L                       .0      AN GR      <<          7            <<       Q+  3+

P     43.30   44.60  90.0     TUFF PY PR    FG SU          P   FO    35 ()     () C*  3+
L                       .0      AN GR      <<          7            <<       Q+  3+

P     44.60   45.10 100.0 MN  FELP     FX3               P                          3)
L                       .0      SF 7A  QZ3              X                          3)
R     44.60   45.10      Mixed tuff and feldspar porphryry contact area.

P     45.10   49.25  80.0 MN  FELP PY PR FX3 PP FA          P          P3       <<  3+
L                       .0      SF 7A CL QZ3          7            03 << >>       3+  3.
R     45.10   45.60      ***REDUCED FROM HQ TO NQ @ 45.1m.***
R     45.60   49.25      Variable feldspar porphyry. Feldspars partially altered and
R     45.60   49.25      chloritized. Well mineralized with pyrite and pyrrhotite, up to
R     45.60   49.25      5% combined. Weakly pervasive propolitic alteration
R     45.60   49.25      throughout. Some limonite in fractures. From 47.25-48.75M 5%
R     45.60   49.25      sulphides. No primary visible quartz or hornblende visible.

P     49.25   50.90  80.0     FXLT PY PR LF  FG <<          P   U/    40          << MG 3+
L                       .0      AN AN                 7    <<    32   << P)      P( B(
R     49.25   50.90      Fine grained partially argillaceous crystal lithic tuff.
R     49.25   50.90      Moderately mineralized, dominantly with pyrite and less
R     49.25   50.90      pyrrhotite. Main occurrence is as veins and quasi-sheeted
R     49.25   50.90      fractures.
R     49.25   50.05      Altered contact, more intense propylithic alteration,
R     49.25   50.05      moderately mineralized.
N     49.25   50.05  80.0   7 COEN PY PR                N                          3=
L                          3A QZ                                    81
R     49.90   50.00      Veined/sheeted veins of quartz and chlorite, moderately to well
R     49.90   50.00      mineralized with pyrite and pyrrhotite.

P     50.90   53.95  60.0     FXLT PY PR LF  FG <<          P   U/    40          << MG 3+
L                       .0      AN 3A                 7    <<    32   << P)      P( B(
R     50.90   53.95      Mineralization occurs in occational patches and more dominantly
R     50.90   53.95      in microfractures and thin quartz stringers.
```

ESSO Minerals Canada
KELAY_CREE

DRILLHOLE/TRAVERSE : KYC003 (CONTINUED)

F K E Y	L (UNITS = FT) FROM - TO		CORE RECOVERY (FT.I)	% ROCK I X TYPE	TYPE-1 TM	QAL TYING 1	TEX-TURES 2	GRAIN CHARACS F C	FRAC-TURE % M #	STRUCTUR-1 I	ALTERATION MINS H H H H H ANY K A A A A A MIN A A A A MIN STK DIP A A A A A MIN A A A A MIN BZM RT QZ BI CY CB MG SX PY CP GL VV SUMMARY
K E Y	F L G		ROCK QUAL DESIG	FOR MEM AGE	EN RT U Q LC	TM QM2 3	TX TX 3	S R S 4 0	D DIP F N H / SML I R D P C	I 2	STK DIP KF MU CL CP WE HA PR MO SL HA BZM RT H H H H H H H H STRUCTUR-2 A A A A A A A A
P	53.95	57.00	60.0		FXLT PY PR LF FG <<				P	U/	40 << MG 3+
L			.0		AN 3A				7	<<	32 << P) P(B(
R	56.40	56.90			At 56 metres thin medium grey clay zone.						
P	57.00	60.00	95.0		FXLT PY PR LF FG <<				P	<<	35 << MG 3+
L			.9		AN 5A				7	<<	32 << () P(B(
R	57.00	60.00			Pyrite veinlets, boxwork type structure.						
R	57.00	60.00			At 57.1 limonite altered zone.						
P	60.00	68.60	95.0		FXLT PY CL LF=				P	BN	50 U) 3+
L			.0		AN 5A				7	U/	() (
R	60.00	68.60			Fine grained, minor crystals and lithic fragments. Some						
R	60.00	68.60			structural banding and vein banding. Increasing chlorite						
R	60.00	68.60			microveinlets. Moderate pyrite content. Minor calcite veinlets.						
R	60.00	68.60			Vein orientations are variable from 40-90.						
P	68.60	70.70	95.0		FXLT PY CL LF=				P	BN	0 U) MG 3)
L			.0		AN 6A				7	U/	() B- 3*
R	68.60	70.70			Pyrite-pyrrhotite content decreasing, mineralization is						
R	68.60	70.70			predominantly in veins and fractures.						
P	70.70	72.05	40.0		GOUG LF3				P		
L			.0		5A CY5				X		
R	70.70	72.05			Medium grey clay gouge with 30% rock fragments. Could be small						
R	70.70	72.05			fault but same rocktype on the other side. rock fragments are						
R	70.70	72.05			FXLT.						
P	72.05	74.95	95.0		FXLT PY PR LF << FG				P	U+	() () MG 2)
L			10.0		AN 0A CL BN				7	<< 6+	B(2*
R	72.05	76.50			fine grained crystal lithic tuff, occational lapilli fragments.						
R	72.05	76.50			Weak banding visible in some spots. Colour somewhat varible						
R	72.05	76.50			from dark greenish grey to pale greenish grey. Most						
R	72.05	76.50			mineralization occurs in veins and fractures. Three to four						
R	72.05	76.50			types of veins, possible all related. Veinlets with pyrite +						
R	72.05	76.50			pyrrhotite, calcite + pyrite/pyrrhotite, pyrite/pyrrhotite with						
R	72.05	76.50			calcite and chlorite and qtz-carb veins with py/po. Pyrite						
R	72.05	76.50			microveins are the most common. Approx. vein density of 5/metre						
R	72.05	76.50			Qtz-carb vein approx. 2cm, well mineralized.						
P	74.95	76.80	60.0		FXLT PY PR LF << FG				P	U+	() () MG 2)
L			.0		AN 0A CL BN				7	<< 6+	B(2>
P	76.80	78.33	80.0		FXLT PY PR LF << FG				P		10 U+ () () MG 2)

E550 Minerals Canada
KELAY_CREE

DRILLHOLE/TRAVERSE : RYC003 (CONTINUED)

K E Y	F L G	- I N T E R V A L - FROM	TO	CORE RECOV-ERY (FT,%)	% M ROCK TYPE	TYPT-FYING TM	ORG MIN 1	TEX-TURES TX	GRAIN CHARACS TX	FRAC-TURE F C P	% M # TK	STRUCTUR-1 T	ID	STK	DIP	ALTERATION MINS H A	H A	H A	H A	ORE-TYPE MINS H A MIN	H A MIN	SUMMARY
K E Y	F L G			ROCK QUAL DESIG	FOR MEM AGE	EN RT Q	TM QM2 LC- 3	TX	S R N	S Q D P	DIP F SML	T 2	STRUCTUR-2	ID	STK AZM	DIP RT	KF MU CL H	EP H	HE H	HA H	PR H	MO H	SL H	HA H
L					.0		AN DR CL	BN			7		<<		50	<< 6+			B(2*			
R		77.40	78.33		At 78.1M Qtz-carb vein approx. 2 cms wide, well mineralized with																	
P		78.33	86.48	100.0		FXLT PY PR LF	<< FG			P		>>		35	0+			() () MG 2)			
L				10.0		AN DR CL	BN			7		BN		55	<< 6+			B(2*			
R		78.33	85.80		ROD may be increasing towards the bottom of the hole. Banding																	
R		78.33	85.80		could be bedding. Vein attitudes vary from 15-70 degrees.																	
R		86.10	86.65		At 86.48M Same as section above, contains irregular 2cm qtz-carb																	
R		86.10	86.65		Well mineralized with py/pr.																	
P		86.48	86.65	100.0		FXLT PY PR QZ <<				P										31		
L				1.0		ZA														3+		
P		86.65	92.65	95.0		FXLT				P												
L				10.0																		
R		86.65	92.65		Essentually the same as previous sections of fine grained																	
R		86.65	92.65		crystal lithic tuff. Few lithic or crystal components visible.																	
R		86.65	92.65		Argillaceous in appearance in some sections. Mineralization and																	
R		86.65	92.65		veining is decreasing. Qtz-carb and calcite veins are present ,																	
R		86.65	92.65		some mineralized but pyrite veinlets are not present. Lost																	
R		86.65	92.65		circulation at 90.5 metres. Tryed to cement, moderately																	
R		86.65	92.65		successful. Continued drilling with very slow progress, end																	
R		86.65	92.65		hole.																	

S U M M A R Y R E M A R K S

000.0-002.4 OVERBURDEN/CASING
002.4-018.9 FELDSPAR-QUARTZ-HORNBLENDE PORPHYRY
-- 2.5%PY,0.3%PO
018.9-044.6 ANDESITIC TUFF
-- 18.9-40.4 0.1%PY,1.0%PO
-- 40.0-43.3 2.5%PY,2.5%PO
-- 43.3-44.6 5.0%PY,5.0%PO
44.6-49.25 FELDSPAR PORPHYRY
-- 44.6-45.1 2.5%PO, 1.0%PO
-- 45.1-49.25 5.0%PY, 5.0%PO
049.3-092.7 FINE CRYSTAL TUFF
-- 49.3-68.6 2.5%PY, 0.1%PO
-- 68.6-70.7 1.0%PY, 0.3%PO
-- 70.7-72.1 GOUGE
-- 72.05-86.48 1.0%PY, 0.3%PO
-- 86.48-86.65 10.0%PY, 2.5%PO
Map interpretation show I.P. anomaly should have been
intersected at 60 metrs. Drill core shows a high percentage of

ESSO Minerals Canada
RELAY_CREE

DRILLHOLE/TRAVERSE : RYC003 (CONTINUED)

S U M M A R Y R E M A R K S

py\pr between 50 and 60 metres, which may be the sources of the I.P anomaly.
Summary: Two intersections of porphryry dikes at 2.43-18.9m and 45.1-49.25m, both zones are well mineralized and moderately siliceous. The FXLT/Tuff between the zones was moderately mineralized. The mineralization decreased down the hole from the last intersection of porphryry.

ESSO Minerals Canada
RELAY_CREE

DRILLHOLE/TRAVERSE : RYC004

PROJECT IDEN : RELAY_CREE START DATE : 88/ 8/10 COMPLETION DATE : 88/ 8/21 GEOLOGGED BY : KD +
COLLAR NORTHING: 979.00 COLLAR EASTING : -81.00 COLLAR ELEVATION: 2320.00 GRID AZIMUTH : 320.00
TOTAL LENGTH : 95.40 CORE/HOLE SIZE : HQNQ

SURVEY FLAG	SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING
000	0.00		66.00	-60.00		

F L E G	INTERVAL (UNITS = FT) FROM - TO	CORE RECOVERY (FT.1)	% M ROCK I X TYPE	TYPE-FYING TM 1	QAL MIN TM 2	TEXTURES QM1 MAT 1	GRAIN CHARACS TX TK 2	FRACTURE F C P	STRUCTUR-1 % M T ID STK DIP AZM	ALTERATION MINS H H H H H ANY RT	ORE-TYPE MINS A H A H A MIN QZ	A H A H A MIN BI	A H A H A ANY CV	SUMMARY CB MG XX PY CP GL YY
K F		ROCK DUAL DESIG	FOR MEM AGE	EN U COL	RT Q LC	TM 3	QM2 3	TX TK 4	S R S O N H P C	DIP F SML I	T ID STK DIP KF MU CL EP HE HA PR MO SL HA 2 AZM RT			
K F											STRUCTUR-2	N H H H H H H H	A A A A A A A A	
P	0.00 4.80		OVER							P				
P	4.80 8.30	75.0	TFLP		LF3	FR	BD			P				9)
L		.0		GG						X				
R	4.80 8.30	Greenish grey lapilli tuff. Pseudomorph crystals of pyroxene?												
R	4.80 8.30	Volcanic clasts up to 8cm, larger clasts are partially												
R	4.80 8.30	into the matrix. Average clast size is 3-8mm. Badly broken												
R	4.80 8.30	ground.												
P	8.30 11.30	100.0	TFLP		LF3	FR	BD			P	BD	60		9)
L		30.0		GG						?				
P	11.30 13.40	96.0	TFLP		LF3	FR	BD			P				9) 3(
L		.0		GG						X				
R	11.30 13.85	Greenish grey lapilli tuff. Well bebbed in places. Graded												
R	11.30 13.40	bedding, tops-up? Polylithic, occasional pale green volcanic												
R	11.30 13.40	and sedimentary fragments. Large clasts 5-8cm with resorbed												
R	11.30 13.40	contact rims. Smaller fragments less altered. Matrix supported.												
R	11.30 13.40	Weakly porphyritic. Weak propylitic alter. Poorly mineralized,												
R	11.30 13.40	trace of pyrite. Reduce from HQ to NQ core.												
P	13.40 13.95	96.0	TFLP		LF3	FR	BD			P				9)
L		.0		SA						X				
P	13.85 14.00	80.0	GOUG							P				
L		.0								X				
R	13.85 14.40	Limonite/clay gouge zone. Near contact between MFPO and lapilli												
R	13.85 14.40	tuff.												
N	13.85 14.00	X CONT								N				
P	14.00 17.95	100.0	MFPO	LI	QZ	FK3	PP			P			3(62	3)
L		40.0		TA	HB2					6		03 P		3)
R	14.00 17.95	Hornblende-feldspar porphyry. Large feldspar phenocrysts 2-5mm,												
R	14.00 17.95	irregular shape. Hornblendes partially altered to sericite.												

ESSO Minerals Canada
RELAY_CREE

DRILLHOLE/TRAVERSE : RVC004 (CONTINUED)

K E Y	F L G	-INTERVAL- FROM - TO (UNITS = FT)		CORE RECOV-ERY (FT_I)	% M ROCK I X	TYPI-FYING TYPE	GAL MIN 1	TEX-MIN 2	GRAIN TURES 0M1	FRAC-CHARACS 1	2	STRUCTUR-1 F	C	P	ALTERATION MINS #	ORE-TYPE MINS T	ID	STK AZM	DIP RT	A QZ	A BT	A CY	A CO	A MG	ANY MIN SX	A PY	A CP	A GL	ANY MIN VY	SUMMARY
K E Y	F L G			ROCK QUAL DESIG	FOR MEM AGE	EN V	RT Q	IN LC-	0M2 3	TX	TR S	S R	D N	DIP H	F /	SML I	T 2	ID	STK AZM	DIP RT	KF QZ	MU BT	CL CY	EP CO	HE MG	HA SX	PR PY	MO CP	SL GL	HA VY
R		14.00	17.95																										Relatively fresh, 20-40% limonite/sericite alteration, mainly confined to fractures and envelopes. Weak to moderately siliceous in fresh zones. Some feldspar replaced by clay/argillic altertion. Moderately mineralized, 1-3%py, 1-2%pyh, trace of sph. Dominantly occurs as blebs, pyrite sometimes rimed by pyrrhotite.
P		17.95	24.10	100.0		HFPO	CY	LI4	PP	RH				P	U/	60		P=	P2	B(
L				20.0		LI	6T		RP				7			P)				B(
R		17.95	24.10																										Pervasive limonite/sericite and clay argillic altertion. Tan-brown colour. Both feldspars and hornblende crystals are replaced by limonite/sericite and clay. Minor less altered spots. Most of the mineralization has been leached, (1% py. 19.4-20.0M Fresh, 21.7-22.5M remnant clasts/zones of volcanic rock. Thin quartz vein at 18.5 meters.
N		19.40	20.00			X	HFPO							N															
N		21.70	22.50			X	VOLC							N															
P		24.10	26.90	100.0		HFPO	CY	LI4	PP	RH				P				P=	P1	B)
L				30.0		LI	6T		RP				7			P)				B*
R		24.10	26.90																										Deacresing limonite alteration, moderate increase in mineralization.
P		26.90	28.70	100.0		HFPO	CY	FX4	PP	CG				P	U/	30		P=	P2	B(
L				40.0		GG	6T	LI2	RP				7			P)				B(
R		26.90	28.70																										Coarse grained hornblende-feldspar porphyry with clay/limonitic altertion. Crystal supported. Minor carbonate veins 26.9-27.18M.
N		26.90	27.18			B	VEIN							N															
N		26.90	27.16			B	VEIN							N															
P		28.70	33.82	100.0		HFPO	CY	HB	FX3	PP	CG			P				P)		B*
L				40.0		AL	6T	PR	LI2												B)
R		28.70	33.40																										Pervasive sericite/limonite and clay alteration(60%). Composition seems to vary but it may be due to the different intensities of alteration. Weak carbonate alter. present. Pseudomorphs of hornblende generally replaced by sericite. Minor unaltered/fresh areas of rock. Modest amount of pyh/py. The pyrrhotite often has a dusty sooty black appearance and is non-magnetic. The pyrite is both sooty and crystal cubes.
R		33.40	33.75																										Fresh/unaltered, magnetic pyh.
N		33.50	33.70			X	HFPO							N															
P		33.82	34.00				VOLC							P															

ESSO Minerals Canada
RELAY_CREE

DRILLHOLE/TRAVERSE : RYC004 (CONTINUED)

K	F L	-INTERVAL- (UNITS = FT)		CORE RECOV- ERY	% M ROCK	TYPI- FYING	QAL MIN	TEX- TURES	GRAIN FRAC- CHARACS TURE		STRUCTUR-1	ALTERATION MINS						ORE-TYPE MINS					SUMMARY
E	A											H	H	H	H	H	ANY	H	H	H	ANY	
Y	G	FROM	TO	(FT_1)	%	TYPE	1 2	OM1	1 2	F	F C %	M P #	TK	T 1	ID STK DIP AZM		A RT	A OZ	A BI	A CY	A CB	MIN MG	XX	PY	CP	GL	YY	
K	F			ROCK QUAL	FOR MEM	FR	RT Q	TM LC-	QM2 3	TX	TX	S R	S O	OIP	F SHL	T 2	ID STK DIP AZM		KF RT	MU OZ	CL BI	EP CY	HE CB	HA MG	PR	MO PY	SL CP	HA GL	HA YY	
E	L																												
Y	G			DESIG	AGE			COL				R	D	P	C		STRUCTUR-2			A	A	A	A	A	A	A	A	
P		34.00	38.70	100.0		HFPO	CB CY	FX2	PP			P		U/		35			P1	P1		B)	
L				50.0			6T	LI1				5										B+	
R		34.00	38.70	Decrease in percent feldspar. Less than 10% hornblende. Slight																			
R		34.00	38.70	decrease in crystal size. Increase in mineralization.																			
R		34.00	38.70	Pyrrhotite > pyrite. In most areas the pyh. has been altered to																			
R		34.00	38.70	a sooty black clay like material and is non-magnetic. It occurs																			
R		34.00	38.70	as irregular blotches/blebs, 0.5-3.0mm in size, that are well																			
R		34.00	38.70	disseminated throughout the rock. The pyrite occurs as small																			
R		34.00	38.70	cubic crystals and sooty, with the pyh. blebs or alone.																			
R		34.00	38.70	pyh.2-5%, pyl%. Calcite vein (1-2cm) @ 35.3m. (to core 35.																			
P		38.70	39.50	100.0		HFPO	CB CY	FX3	PP CG			P							P1	P1		B)	
L				50.0			6T	LI1				5										B+	
R		38.70	40.00	Coarse grained feldspars. Grain size may not very too much																			
R		38.70	40.00	throught out the hole but is made more readily visible by																			
R		38.70	40.00	different alteration intensities.																			
P		39.50	42.05	100.0		HFPO	CB CY	FX2	PP			P							P1	P1		B)	
L				50.0			MN 6T	LI1				5										B=	
R		40.00	42.05	Similar to previous rock type. Feldspar and alteration																			
R		40.00	42.05	variable. Hornblendes are completely altered with occasional																			
R		40.00	42.05	crystal pseudomorph. Mineralization increasing. Pyh. 3-5% and																			
R		40.00	42.05	py. 1%. Well mineralized areas have a salt and pepper																			
R		40.00	42.05	appearance.																			
P		42.05	44.25	100.0		HFPO	CB CY	FX3	CG RP			P							P1	P1		B)	
L				50.0			MN 6T	LI1				5										B=	
R		42.05	44.25	Same as previous section. Slight increase in feldspar.																			
P		44.25	50.88	100.0		HFPO	CB CY	FX2	PP			P							P1	P1		B)	
L				50.0			MN 6T	LI1				5										B=	
R		44.25	50.88	Decrease in limonite/sericite alteration, more zones of fresh																			
R		44.25	50.88	greyish rock. May have been somewhat siliceous before																			
R		44.25	50.88	alteration. Dominant mineralization occurence is coarse well																			
R		44.25	50.88	disseminated blebs of 3-5% pyh. and 1-2% py.																			
P		50.88	53.70	100.0		HFPO	CB CY	FX2	PH			P							P1	P1		B)	
L				50.0			MN 6T	LI1				5										B+	
R		50.88	53.70	Hornblende content reappearing.																			
P		53.70	53.90	70.0		VOLC						P											
L				.0								X											
P		53.90	61.60	100.0		HFPO	SR CY	FX3				P							P)			S)	

ESSO Minerals Canada
KELAY_CREE

DRILLHOLE/TRAVERSE : RYC004 (CONTINUED)

F K C Y	L A G	- INTERVAL - FROM	- TO (UNITS = FT)	CORE RECOV- ERY (FT.I)	% M I X	ROCK TYPE	TYPI- FYING 1	GAL MIN 2	TEX- TURES QMI	GRAIN CHARACS 1	FRAC- TURE 2	F	C	P	#	TK	STRUCTUR-1 I	ALTERATION MINS H H H H H ANY H H H ANY ID	STK	DIP	A	B	H	H	A	MIN	A	A	A	MIN	ORE-TYPE MINS H H H H H ANY H H H ANY AZM	RT	QZ	BI	CY	CR	MG	KK	PY	CP	GL	YY	SUMMARY
K E Y	F L G			ROCK QUAL DESIG		FOR MEM AGE	EN V	RT Q	TM LC-	QMZ 3	TX	TX 3	S 4	R 0	S N	O H	DIP /	F SKL	I	1 2 STRUCTUR-2	ID	STK	DIP	KF A	MU R	CL A	EP S	HE A	HA A	PR A	MO A	SL A	HA A		AZM	RT		N	H	A	H	H	H	N	H
L					30.0		LI	HB1								5																												8+
R		53.90	60.00		Limonite/sericite alteration decreasing. Hornblende content up																																								
R		53.90	60.00		to 10-15%, some partially altered to sericite. Could be a																																						
R		53.90	60.00		relationship between hornblende content and mineralization,																																						
R		53.90	60.00		thus reflecting primary or secondary alteration																																						
P		61.60	63.60		85.0		HFPO	SR	CY	FX3						P																						P)		B)		
L					10.0			LI	HB1							8																										8+	
R		61.60	63.60		Same as previous section. Poorer recovery.																																						
P		63.60	65.55		100.0		HFPO		PR	FX3	PP	CG				P																						6)		<*		B*
L					60.0			FU	GA		HB2					3																						03				B)
R		63.60	67.00		Fresh med-light grey hornblende-feldspar porphyry. Approx. 30%																																						
R		63.60	67.00		coarse 1-5mm subhedral feldspar crystals. Approx. 15-20% fresh,																																						
R		63.60	67.00		occationally sercitized hornblende crystals. Moderately																																						
R		63.60	67.00		siliceous, minor limonite alteration on fracture surfaces.																																						
R		63.60	67.00		Mineralization dominanted by pyh. Sulphide content throughtout																																						
R		63.60	67.00		the porphyry may be fairly constant but the different																																						
R		63.60	67.00		intensities of alteration may show it more readily.																																						
P		65.55	69.52		100.0		HFPO	SR	LI	FX3	PP	CG				P																						6)		72		B*
L					40.0			FU	7T		HB2					5																						03				B)
R		67.00	69.52		Increasing limonite/sericite alteration.																																						
P		69.52	75.56		100.0		HFPO		PR	FX3	PP	CG				P																						6)		<*		B*
L					60.0			FU	GA		HB2					8																						03				B)
R		69.52	75.56		Fresh/unaltered HFPO. Minor limonite/sericite alteration on																																						
R		69.52	75.56		fractures. Moderately (1-2%) mineralized with irregular blebs																																						
R		69.52	75.56		of pyh.. No base metals observed in this hole.																																						
P		75.56	83.50		100.0		HFPO	SR	HB	FX3	PP	CG				P		U/		55	6)	P=		P2		B*															
L					40.0			AL	7T	CY	LI2					5																						03				B)
R		75.56	80.00		Pervasive limonite/sericite and clay alteration. Hornblende																																						
R		75.56	80.00		content has decreased. Hornblende pseudomorphs visible and																																						
R		75.56	80.00		totally altered to sericite. Minor relatively fresh zones. In																																						
R		75.56	80.00		the more intensely altered areas the mineralization has been																																						
R		75.56	80.00		altered to the sooty variety of pyrrhotite.																																						
P		83.50	84.20		100.0		SILC	PY	PR	SF	FR	PP				P					P)																				3=	
L					50.0																																						3)
R		83.50	85.00		Well mineralized with finely disseminated blebs of pyrite(5%)																																						
R		83.50	85.00		and pyrrhotite(1-2%). Moderately siliceous. Intrusive and																																						
R		83.50	85.00		volcanic components.																																						
P		84.20	96.40		80.0		TFLP		LF4	FR	FG					P																										3)	

ESSO Minerals Canada
KELAY_CREE

DRILLHOLE/TRAVERSE : RYC004 (CONTINUED)

K E Y	F L A G	- INTERVAL - (UNITS = FT) FROM - TO	CORE RECOV-ERY (FT,I)	% M I X	ROCK TYPE	TYPI-FYING 1	TM 2	QAL MIN QM1	TEX-TURES 1	TX 2	GRAIN CHARACS F	C	X	M	FRAC-TURE #	TK	STRUCTUR-1 T	ID	STK	DIP	ALTERATION H A	H A	H A	H A	H A	MINS ANY MIN	ORE-TYPE H A	H A	H A	MINS ANY MIN	SUMMARY
K E Y	F L G	ROCK QUAL DESIG	FOR MEM AGE	EN V	RT Q	LC- COL	TM 3	QM2	TX 3	TX 4	S R R	S O D	DIP N	F H P	/ SML C	I	T 2	ID	STK AZM	DIP RT	KF MU CL EP HE HA PR MO SL HA H H H H H H H H A A A A A A A A	STRUCTUR-2									
L			1.0			UL	4R						X				3)														
R		85.00 95.40	Lapilli tuff. Clasts up to 5cm. Average size 0.5-1.0cm. Very																												
R		85.00 95.40	broken ground. Recovery varyies from 70-95%. No bedding																												
R		85.00 95.40	orientations. Limonite alteration on fracture surfaces. Gougy																												
R		85.00 95.40	limonite @85.0-85.9M. Weakly mineralized. Qtz-carb. vein @																												
R		85.00 95.40	94.9M approx. 2-3cm wide.																												
N		85.00 85.90	5 GOUG N																												
N		94.60 95.00	5 VEIN N																												

SUMMARY REMARKS

0.0-4.8 OVERBURDEN
4.8-13.85 LAPILLI TUFF
13.85-14.0 CONTACT
14.0-33.82 HORNBLENDE-FELDSPAR PORPHYRY
33.82-34.0 VOLCANIC
34.0-53.7 HORNBLENDE-FELDSPAR PORPHYRY
--39.5-42.05 HFPO 3-5%PYH., 1%PY.
53.7-53.9 VOLCANIC
53.9-83.5 HORNBLENDE-FELDSPAR PORPHYRY
83.5-84.2 SILICEOUS 5%PY, 1-2%PYH.
84.2-95.4 LAPILLI TUFF

ESSO Minerals Canada
RELAY_CREE

DRILLHOLE/TRAVERSE : RYC005

PROJECT IDEN : RELAY_CREE START DATE : 88/ 8/ 5 COMPLETION DATE : 88/ 8/10 GEOLOGGED BY : KD +
COLLAR NORTHING: 963.00 COLLAR EASTING : -136.00 COLLAR ELEVATION: 2291.00 GRID AZIMUTH : 320.00
TOTAL LENGTH : 64.60 CORE/HOLE SIZE : NQNQ

SURVEY FLAG	SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING
000	0.00		65.00	-60.00		

K	L	-INTERVAL- (UNITS = FT)		CORE RECOV- ERY	% ROCK TYPE	TYPING	QAL TEXTURES			GRAIN CHARACS			FRAC-TURE		STRUCTURE-1						ALTERATION						MINS	ORE-TYPE					MINS
E	A					TM	TM	MAT	TX	TX	F	C	%	M		I	ID	STK	DIP	R	A	A	A	A	ANY	H	H	H	H	ANY					
Y	G	FROM - TO		(FT.1)	%	1	2	QM1	1	2	F	F	C	P	#	TK	1	AZM	RT	QZ	BI	CY	CB	MG	XX	FY	CP	GL	YY	SUMMARY				
K	F			ROCK	FOR	EN	RT		TM	QM2	TX	TX	S	R	S	O	DIP	F	I	ID	STK	DIP	KF	MU	CL	EP	HL	HA	FR	MO	SL	HA			
E	L			QUAL	MEM	V	Q	LC-	3		3	4	O	N	H	/	SML	I	2		AZM	RT			H	A	A	A	A	H	A	A			
Y	G			DESIG	AGE			COL				R	D	P	C				STRUCTURE-2					R	A	A	A	A	A	A	A			
P		0.00	0.60					OVER									P																	
P		0.60	13.50	75.0		LXTF			LF5	BO	BN						P		BO		63											SC		
L				10.0			GG			FG						8		BN		63													
R		0.60	13.50			Clast supported matrix, occational lapilli size frag. Medium																													
R		0.60	13.50			dark greenish grey. Limonitic/sericite alter. on fractures.																													
R		0.60	13.50			Pseudomorphs of hornblende, feldspar and pyroxene?? Graded																													
R		0.60	13.50			bedding, tops up. Poorly mineralized.																													
P		13.50	21.95	60.0		LXTF			LF5	BO	BN						P															GC		
L				.0			GG	GG		FG						X																	
R		13.50	21.95			Gougy, sand and drill mud.																													
P		21.95	29.50	45.0		LXTF			LF5	BO	BN						P															GC		
L				.0			GG			FG						X																	
P		29.50	32.80	60.0		LXTF			LF5	BO	BN						P															GC		
L				.0			GG	GG		FG						X																	
R		29.50	32.80			Gougy, sand and drill mud. Reduce from HQ to NQ core size.																													
P		32.80	40.00	70.0		LXTF			LF5	BO	BN						P															GC		
L				.0			GG			FG						X																	
R		32.80	39.60			Badly broken ground, limonitic fractures.																													
R		39.60	40.10			5-8cm qtz-carb./ vein section. light grey, 2-5%py, aspy and																													
R		39.60	40.10			sph???																													
P		40.00	60.00	50.0		LXTF			LF5	BO	BN						P															GC		
L				.0			GG			FG						X																	
N		40.00	45.00		X	LXTF											N																	
R		40.10	58.50			Badly broken ground, ground-up pebbles																													
R		58.50	59.00			5-8cm qtz-carb vein zone, 3-5%py.																													
P		60.00	64.61	70.0		LXTF			FX1	PP	FR						P															GC		
L				.0			PP	GG		LF3	FG					X																	

ESSO Minerals Canada
RELAY_CREE

DRILLHOLE/TRAVERSE : RYC005 (CONTINUED)

FROM	TO	CORE RECOVERY (FT.1)	% ROCK TYPE	TYPING 1	TYPING 2	MINERALS 1	TEXTURES 1	TEXTURES 2	GRAIN CHARACS F	GRAIN CHARACS C	GRAIN CHARACS P	FRACTURE #	FRACTURE TK	STRUCTUR-1 T	STRUCTUR-1 ID	STRUCTUR-1 STK	STRUCTUR-1 DIP	ALTERATION A	ALTERATION A	ALTERATION A	ALTERATION A	ALTERATION ANY	MINS A	ORE-TYPE A	ORE-TYPE A	ORE-TYPE ANY	MINS MIN	SUMMARY
																AZM	RT	QZ	BI	CY	CB	MG	XX	PY	CP	GL	YY	
KEY	LITH QUAL DESIG																											
																AZM	RT											
																STRUCTUR-2												
R	60.00	64.60																										Increasing porphyritic content. Matrix supported. Broken
R	60.00	64.60																										ground, rods tighting, hole abandon short of target. End of
R	60.00	64.60																										Hole.

SUMMARY REMARKS

0.0-0.6 OVERBURDEN/CASING
0.6-32.8 LITHIC CRYSTAL TUFF
--13.5-21.95 GOUGY
--29.5-32.8 GOUGY, REDUCE TO NQ
32.8-64.6 LITHIC CRYSTAL TUFF
--60.0-64.6 RODS TIGHTING, HOLE ABANDON

ESSO Minerals Canada
RELAY_CREE

DRILLHOLE/TRAVERSE : RYC006

PROJECT IDEN : RELAY_CREE START DATE : 88/ 8/21 COMPLETION DATE : 88/ 8/29 GEOLOGGED BY : KD +
COLLAR NORTHING: 792.50 COLLAR EASTING : 25.00 COLLAR ELEVATION: 2329.00 GRID AZIMUTH : 320.00
TOTAL LENGTH : 169.77 CORE/HOLE SIZE : HQNQ

SURVEY FLAG	SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING
000	0.00		70.00	-60.00		

F K L E Y	- I N T E R V A L - FROM - TO (UNITS = FT)	CORE RECOVERY (FT.I)	% ROCK TYPE	TYPI-FYING 1	QAL MIN 2	TEX-TURES QM1	GRAIN CHARACS 1	FRAC-TURE 2	STRUCTUR-1 1	ALTERATION MINS H H H H H ANY	ORE-TYPE MINS H H H H ANY	SUMMARY
K F		ROCK QUAL DESIG	FOR MEM AGE	EN Q	RT Q	TM LC- COL	QM2 3	TX 3	TX 4	S R S O R D	O DIP P C	F	1 2 STRUCTUR-2	IO STK DIP AZM	KF MU CL EP HE HA FR MO SL HA H H H H H H H H H H	
P	0.00	1.22		OVER								P				
R	0.00	1.22		Casing												
P	1.22	5.40	80.0	FELP	CY	FX3	PP	RP				P	U/ 35	P1 P) S2		G+
L			10.0		L2	OB	LI2					9				3)
R	1.22	5.40	Broken ground, poor recovery. Moderate to intense													
R	1.22	5.40	limonitic/sericite alteration. Minor qtz-carb. alter. Little to													
R	1.22	5.40	no hornblende, trace of hornblende pseudomorphs. Minor													
R	1.22	5.40	fresh/unaltered zones, less than 10% of the rock. 1-2%													
R	1.22	5.40	pyrrhotite in 0.5-1.0mm blebs, well disseminated. Generally the													
R	1.22	5.40	sooty variety. Very little pyrite.													
P	5.40	18.30	80.0	FELP	CY	FX3	PP	CY				P	U/ 20	P1 P) P3 CR		3)
L			.0		RL	OB	LI3	RP				X				((3)
R	5.40	18.30	Similar to previous section. More intensely altered. Feldspar													
R	5.40	18.30	destroyed to clays, no remenant hornblende. Mineralization													
R	5.40	18.30	similar to the previous section, possible less due to leaching.													
R	5.40	18.30	Weakly mineralized calcite vein 1-3cm wide @ 10.1M. Angle to													
R	5.40	18.30	core 20.													
P	18.30	21.45	100.0	FELP	CY	FX3	PP	RP				P	U/ 35	P1 P) P2 CR		3)
L			40.0		RL	OB	LI2					4				((3+ (.
R	18.30	20.00	More competent ground. Moderate pervasive limonite/sericite and													
R	18.30	20.00	clay alteration. Pyh. 1%, py)1%. Calcite vein with galena @													
R	18.30	20.00	19.5M. Broken ground @ 18.55-19.6M													
R	18.55	19.60	Broken ground.													
N	18.55	19.60	95.0	X	FELP							N				
L			.0									X				
R	20.50	22.13	Decreasing alteration. Less than 10% limonite/sericite. Calcite													
R	20.50	22.13	vein sub parallel to core. More calcite veins in this hole than													
R	20.50	22.13	others.													
P	21.45	22.13	100.0	FELP	CY	FX3	PP	RP				P	U/ 30	P1 P) P2		3
L			50.0		RL	OB	LI1					4				3+

ESSO Minerals Canada
RELAY_CREE

DRILLHOLE/TRAVERSE : RYC006 (CONTINUED)

```
  F  -INTERVAL-     CORE    %     TYPI- QAL  TEX-  GRAIN FRAC-        STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS
K L (UNITS = FT)    RECOV-  M ROCK FYING MIN TURES CHARACS TURE                  M  M  M  M  M ANY M  M  M ANY
E A                 ERY     F      TM TM MAT TX TX F C % M          I IO STK DIP  A  A  A  A  A MIN A  A  A MIN
Y G  FROM  -  TO    (FT.1)  X TYPE  1  2 QM1  1  2 F F C P  W TK    1    AZM  RT QZ BI CY CB MG XX PY CP GL YY  SUMMARY
- --- ------- --  ------ --  ---- - -- - ---- -- -- -- -- - - - - -- -  - -- --- -- -- -- -- -- -- -- -- -- -- -- - - - -
K F                 ROCK   FOR EN RT   TM QM2 TX TX S R S O DIP F   I IO STK DIP KF MU CL EP HE HA PR MO SL HA
E L                 QUAL   MEM  V  Q LC- 3      3  4 O N H / SML I  2    AZM  RT     M  M  M  M  M  M  M  M
Y G                 DESIG  AGE      COL           R D P C          STRUCTUR-2        A  A  A  A  A  A  A  A


P     22.13     23.89    100.0     FELP   CY FX3 PP RP             P                      P1 P) P2    3)
L                         50.0      AL OB    LI2                  4                                   3+
R     22.13     23.89        Moderate increase in alteration. Mineralization increasing??

P     23.89     26.35    100.0     FELP   CY FX3 PP RP             P    U/      12      P1 P) P2    3+
L                         50.0      MN OB    LI2                  4                                   3)    (.
R     23.89     26.35        Similar to previous section. Increasing mineralization. Two
R     23.89     26.35        types of pyrite/pyrrhotite. Fine grained microcrystaline sooty
R     23.89     26.35        and cubic crystal variety. Py. 2-3%, pyh. 1-2%, sometimes
R     23.89     26.35        non-magnetic. Traces of sphalerite generally in calcite veins.
R     23.89     26.35        Mineralization well disseminated throughout the rock.

P     26.35     30.75    100.0     FELP PR CY FX2 RP BL            P    U/       7      P+     ?= CA 3)
L                         60.0      MN 06 LI                      2                           U) 3=    U.
R     26.35     34.32        Feld. porphyry. Limonitic/sericite alt. decreasing,
R     26.35     34.32        <10%. Weakly pervasive and on fracture surfaces. Feld.
R     26.35     34.32        pseudomorphs , no hornblende. Weak carbonate alter. Excellent
R     26.35     34.32        recovery. Increasing mineralization. Pyh.2-5%, py.1%  Trace
R     26.35     34.32        of sph. and ga. in calcite veins running sub parallel
R     26.35     34.32        to the core. Pyh. occurs as blebs and patches 1-5mm in size.
R     26.35     34.32        Both the altered less magnetite sooty type and crystaline
R     26.35     34.32        variety are present. Pyrite often occurs with in the blebs of
R     26.35     34.32        pyh. Difficult to distiguish the between py. and pyh. when the
R     26.35     34.32        pyh. is non-magnetic. Thin mineralized calcite vein @27M.
R     26.35     34.32         30.75-34.32 Well mineralized. Modest increase in alter. Feld.
R     26.35     34.32        altered to clay. Weak carbonate altertion.
R     26.35     34.32

P     30.75     34.32    100.0     FELP PR CY FX2 RP BL            P                      P+     P1 CA 3)
L                         60.0      MN 6T LI LI1                  2                           U) 3=    U.
R     32.40     33.60        Less altered. Similar texture, composition and mineralization
R     32.40     33.60        to entire section.
N     32.40     33.60    100.0   8 FELP                            N
L                                    66

P     34.32     38.55    100.0     FELP PR CY FX2 RP RH            P    U/      20      P+     P1 CA 3) U. U. AS
L                         50.0      AL 6T LI LI1                  3                           U) 3+    U.  (
R     34.32     37.70        Similar to previous section. Mineralization decreasing.
R     34.32     37.70        Hornblende pseudomorphs visible in less altered areas. 1cm
R     34.32     37.70        qtz-carb vein @ steep angle to core @ 34.9m containing 1% ga +
R     34.32     37.70        sph.  Mineralized vein @ 38.4M. Traces of arsenopyrite throught
R     34.32     37.70        this section. Less alter. @ 35.17-35.52.
N     35.17     35.52        9 FELP                            N
```

ESSO Minerals Canada
RELAY_CREE

DRILLHOLE/TRAVERSE : RYC006 (CONTINUED)

K E Y	F L G	FROM	TO	CORE RECOV-ERY (FT.1)	% ROCK TYPE	TYPI-FYING MIN 1	TYPI-FYING MIN 2	QBL MAT 1	TEX-TURES TX 1	TEX-TURES TX 2	GRAIN CHARACS F	GRAIN CHARACS C	GRAIN CHARACS % M	FRAC-TURE P	# TK	STRUCTUR-1 T	STRUCTUR-1 ID	STRUCTUR-1 STK AZM	STRUCTUR-1 DIP RT	ALTERATION MINS A QZ	ALTERATION MINS A BI	ALTERATION MINS A CY	ALTERATION MINS A CB	ALTERATION MINS A MG	ALTERATION MINS A ANY	ORE-TYPE MINS A MIN	ORE-TYPE MINS A	ORE-TYPE MINS A	ORE-TYPE MINS A ANY	SUMMARY
K E Y	F L G	ROCK QUAL DESIG	FOR MEN AGE	EN V	RT Q	TM LC-	QM2 3	TX 3	TX 4	S 0	R N	S H	Q /	DIP SML	F I	T 2	ID	STK AZM	DIP RT	KF	MU	CL	EP	HE	HA	PR	MB	SL	HA	
																				STRUCTUR-2		A	A	A	A	A	A	A	A	
R		37.20	38.20			Less altered, similar composition.																								
N		37.20	38.20			9 FELP									N															
P		38.55	40.46	100.0		FELP	PR	CY	FX2	VR	BL				P							P+						>=	CA 3)
L				50.0		MN	BG	LI							3														0) 3*	U.
R		39.55	40.46			Variable alteration. Minor zones of fresh greyish rock.																									
P		40.46	41.80	100.0		FELP	SL	CY	CA	UN	PP				P		U/		0									>=	3) U. U)
L				50.0		UN	BU		FX	RH																		3)	U*
R		40.46	41.80			Well mineralized calcite vein(1-2cm) drilled down core axis.																								
R		40.46	41.80			1-2%ga, 0.5%sph, 1%py/pyh. and tr of cp.																								
N		40.46	41.80			2 VEIN									N															
P		41.80	42.50	100.0		FELP	SL	CY	CA	UN	PP				P													>=	3)
L				60.0		UN	BU		FX	RH					2														3)	
R		41.80	42.50			Similar to last section. no vein mineralization.																								
P		42.50	50.40	100.0		FELP	LI	FX	PP	VR					P		U/		10									>=	3*
L				60.0		BU		RH							2														3*	
R		42.50	50.00			Variably altered. Light brown-greenish grey feldspar porphyry.																								
R		42.50	50.00			Hornblende content could be increasing. Limonite/sericite																								
R		42.50	50.00			dramatically decreasing down hole. Moderately mineralized with																								
R		42.50	50.00			predominant blebs of pyh.(1-2.5%) and py(>1%). Minor calcite																								
R		42.50	50.00			in veins and fractures sub parellel to the core axis. 1-2cm																								
R		42.50	50.00			calcite vein @44.2M																								
P		50.40	55.40	100.0		HFPO	PR	QZ	FX3	PP	CG				P		U/		65								P=	()	3*
L				60.0		MN	SA		HB1	UF					2		U/		10										3*
R		50.40	55.40			Similar to previous section. Fresh medium grey with little to																								
R		50.40	55.40			no limonite alteration.Some hornblendes partially altered to																								
R		50.40	55.40			sericite. Fresh white feldspars. Moderately siliceous. Weak to																								
R		50.40	55.40			moderate pervasive qtz-carb alteration. Moderately mineralized																								
R		50.40	55.40			with well dissemenanted fine grained blebs of pyh.(1-2.5%) and																								
R		50.40	55.40			(0.5-1%) py. Minor calcite veins with ga, pyh, sph, aspy and																								
R		50.40	55.40			py. Reduce from HQ core to NQ. Two thin calcite veins @ 52.43M																								
R		50.40	55.40			and 53.1M.																								
N		52.33	53.28			3 VEIN									N															
P		55.40	57.72	100.0		HFPO	PR	QZ	FX3	PP	CG				P												P=	(1	3*
L				60.0		MN	SA		HB1	UF					2														3*	
R		55.40	57.72			Similar to previous section. Increasing limonite																								
R		55.40	57.72			alteration(10%). NQ core.																								
P		57.72	65.42	100.0		HFPO	CB	CY	FX2	PP	BO				P												P1	P)	P2	3*

ESSO Minerals Canada
MCLAY_CREE

DRILLHOLE/TRAVERSE : RYC006 (CONTINUED)

F - INTERVAL -		CORE	%	TYPE-	QAL	TEX-	GRAIN	FRAC-	STRUCTUR-1	ALTERATION	MINS	ORE-TYPE	MINS	
K L (UNITS = FT)		RECOV-	M	ROCK	TYING	MIN	TURES	CHARACS	TURE	H K H H H ANY	H H H ANY			
E A		ERY	I	IM	IN	MAT	IX	IX F C X M		T IG STK DIP A A A A A MIN	A A A MIN			
Y G FROM - TO		(FT.1)	X	TYPE	1	2	QMI	1 2 F F C P # IK	I	HZM RT QZ GI CY CB MG XX PY CP GL YY				SUMMARY
K F		ROCK	FOR	EN	RT	IM	QMZ	IX IX S R S O DIP F	T	IG STK DIP KF MU CL EP HE HA PR MG SL HA				
E L		QUAL	MEM	U	Q	LC-	3	3 4 0 N H / SML I	2	HZM RT H H H H H H H H				
Y G		DESIG	AGE			COL		R D P C	STRUCTUR-2	A A A A A A A A				
L						40.0		AL ST LI2 RH	5				3*	
R	60.00	65.42						Light tan-pale brown limonite/sericite, clay altered. Minor						
R	60.00	65.42						carbonate component. Hornblendes totally altered to sericite						
R	60.00	65.42						and feldspars to a brownish green clay. Limonite content is						
R	60.00	65.42						approx. 20%. Moderately mineralized, 1% pyh. partially						
R	60.00	65.42						converted to the sooty non-magnetic variety. Alteration seems						
R	60.00	65.42						to decrease the sulphide content. Unaltered section						
R	60.00	65.42						862.88-63.9M, higher sulphide content.						
N	64.90	65.42				X	HFPO		N					
P	65.42	67.62				100.0		FELP FR QZ FX2 UF	P			<+	3*	
L						50.0		MN SR SF PP	4				3*	
R	65.42	67.62						Relatively unaltered feldspar porphyry. Increasing						
R	65.42	67.62						mineralization. Moderate qtz-py flooding, occational						
R	65.42	67.62						semimassive pyrite bleb up to 9cm. Finer grained blebs						
R	65.42	67.62						disseminated throughout. Low pyh. content. No sign of						
R	65.42	67.62						hornblende content.						
P	67.62	69.67				100.0		HFPO CY LI RP RH	P			P=	P1	
L						50.0		GT	4					
R	67.62	69.67						Altered Hornblende feldspar porphyry. Pervasive limonite and						
R	67.62	69.67						clay alteration.						
P	69.67	73.67				100.0		HFPO CY LI RP RH	P			P+	P=	
L						50.0		GT	4					
R	69.67	73.67						Similar to previous section, less altered. Some zones						
R	69.67	73.67						unaltered.						
P	73.67	87.35				100.0		HFPO QZ FX3 PP	P	U/	20 P1	P1	3)	
L						60.0		MN GR HBZ	2	U/	30		3+	
R	73.67	87.35						Medium to coarse grained hornblende feldspar porphyry. Less						
R	73.67	87.35						than 5% limonite/sericite alteration, fracture surfaces only.						
R	73.67	87.35						Feldspar are subhedral crystals 0.5-2mm. Hornblende crystals						
R	73.67	87.35						are relatively unaltered, some partially altered to sericite.						
R	73.67	87.35						Hornblende content variable (absent in a few spots) generally						
R	73.67	87.35						15-20%. Well mineralized. 1-2.5% pyh.and 0.5-1% py occurring as						
R	73.67	87.35						fine well disseminated blebs. Moderately siliceous, pervasive						
R	73.67	87.35						qtz-carb alteration. Bleb of black sphalerite @ 85.5M.						
R	75.87	76.46						Limonite/sericite pervasive alteration, approx. 20%.						
N	75.87	76.46				3	HFPO		N					
L							AL							
P	87.35	88.78				100.0		HFPO SF FX3 PP RH	P	U/	3		CB 3+ (. (+	
L						40.0		AL GT LI2	5				(. 5) (.	

ESSO Minerals Canada
RELAY_CREE

DRILLHOLE/TRAVERSE : RYC086 (CONTINUED)

K E Y	F L G	FROM	TO	CORE RECOV-ERY (FT.I)	% ROCK I %	TYPE	TYPI-FYING 1	TYPI-FYING 2	QAL-MIN QM1	QAL-MIN QM2	TEX-TURES TX	TEX-TURES TX	GRAIN CHARACS F	GRAIN CHARACS C	FRAC-TURE % P	FRAC-TURE M	STRUCTUR-1 I	STRUCTUR-1 ID	STRUCTUR-1 STK	STRUCTUR-1 DIP	ALTERATION H	ALTERATION H	ALTERATION H	ALTERATION H	ALTERATION H	ALTERATION ANY	MINS H	MINS H	MINS H	MINS H	MINS ANY	ORE-TYPE MINS	SUMMARY
K E Y	F L G	FROM	TO	ROCK QUAL DESIG	FOR MEM AGE	EN V	RT Q	IN LC- COL	QM2 3	TX 3	TX 4	S 0 R D	R N P	S H C	O /	DIP SML	F I	I 2	ID STRUCTUR-2	STK AZM	DIP RT	KF H	MU H	CL H	EP H	HC H	HA H	PR H	MO H	SL H	HA H	
R		87.35	88.78																													Moderately to strongly altered, 20% LI/SR. All hornblende
R		87.35	88.78																													crystals to sericite. Drilling down a 1-2cm calcite vein.
P		88.78	91.08	100.0		HFPO	CY		FX3	PP	RH			P		U/		5												CA	3*	
L							RL	GT		LI2			5																		()	3)	
R		88.78	91.08																													Similar to the unit above. 75% of the feldspars have been
R		88.78	91.08																													altered to clay(kaolinite). 1-2cm calcite vein sub parellel to
R		88.78	91.08																													core @ 90.5-90.53.
N		90.05	90.53			3	VEIN							N																		
P		91.08	92.20	100.0		HFPO	QZ	LI	FX	FG	PP			P				P1													B*	
L				60.0			SF	BT	PY	HA			3																			B)	
R		91.08	92.20																													Pale tan/grey. Moderately siliceous. 2.5%pyrite. Qtz-carb alt.
P		92.20	96.05	100.0		FELP		CB	FX2	PP	UF			P														P1			B)	
L				40.0			MN		QZ				5																			B*	
R		92.20	96.05																													Pervasive qtz-carb. alt. No hornblende content. Moderately
R		92.20	96.05																													siliceous. 2-3%pyh and 0.5-1%py. Limonite/sericite alt. seems
R		92.20	96.05																													destructive to the qtz-carb alt. Loss circulation @ 94.38-95.45
R		92.20	96.05																													--Bentonite was injected.
P		96.05	101.77	100.0		HFPO	CY	SR	FX3	RP				P														P1	P1		B*	
L				50.0				GO	LI	HBI			3																			B)	
R		96.05	96.27																													1-2cm qtz-carb. vein + envelope. 2%pyh, traces of ga + sph.
N		96.05	96.27			2	VEIN							N																		
R		96.27	101.77																													All feldspar crystals altered to white and green clay.
R		96.27	101.77																													Kaolinite and chlorite/epidote respectively.Hornblendes totally
R		96.27	101.77																													alt. to sericite. Seems to be a decrease in mineralization.
R		96.27	101.77																													Sulphides have been converted to sooty pyh./py. Most of the
R		96.27	101.77																													pyh. is non-magnetic.
P		101.77	102.46	100.0		HFPO	CY	SR	FX3	RP				P														P=	P=	P1	B*	
L				50.0				41	LI	HBI			3																			B)	
R		101.77	102.46																													Similar to previous unit. Increasing sulphides and more silica.
P		102.46	106.00	100.0		HFPO	CY	SR	FX3	RH				P														P1	P1		B*	
L				40.0				GO	LI	HBI			3																			B)	
R		102.46	106.00																													Similar to previous section. Altered from 96.05-101.77M.
P		106.00	110.03	100.0		HFPO	QZ	CY	FX3	PP	RH			P														P=			B*	
L				50.0			SF	BO	FR		BL	UR	3																			B*	
R		106.00	110.03																													Decrease in clay and limonite/sericite alteration. More
R		106.00	110.03																													siliceous and semi pervasive zone of chlorite/epidote
R		106.00	110.03																													alteration. Weak pervasive qtz-carb component. Dominant

ESSO Minerals Canada
RELAY_CREE

DRILLHOLE/TRAVERSE : RYE086 (CONTINUED)

K E Y	F L A G	FROM	TO	CORE RECOV-ERY (FT.)	% ROCK TYPE	TYPI-FYING MIN	QAL TEX-TURES	GRAIN CHARACS	FRAC-TURE	STRUCTUR-1 / STRUCTUR-2	ALTERATION MINS / ORE-TYPE MINS	SUMMARY
K	F			ROCK QUAL DESIG	FOR MEM AGE	EN VU QU LC	QM2 TX 3	TX S R S 3 4 0 N H	DIP F / SHL I	T ID STK DIP KF MU CL EP HE HR PR MO SL HA 1 AZM RT QZ BI CY CB MG KF PY CP GL YY 2 AZM RT A A A A A A A A		
R		106.00	110.03		mineralization is pyh. 1-2.5% with minor amounts of pyrite.							
R		106.00	110.03		Altered section from 107.78-109.58M Could be called							
R		106.00	110.03		feld-qtz-hornb porphyry.							
N		107.78	109.58	100.0	3 HFPO				N			
L					AL							
P		110.03	116.47	100.0	HFPO CY SR RP UR				P	0/ 10 P1 P1	B*	
L				40.0	AL GO LI				3		B)	
R		110.03	116.47		All feldspars and hornblende totally altered. Feldspars to							
R		110.03	116.47		green and white clays (kaolinite and chlorite/epidote).							
R		110.03	116.47		Hornblende to sericite. Moderately mineralized with well							
R		110.03	116.47		dissinanted blebs of pyh. and traces of py. Some sulphide is							
R		110.03	116.47		altered to the sooty variety. Minor calcite							
R		110.03	116.47		veins-unmineralized.							
P		116.47	117.74	100.0	HFPO QZ PR FX RP UF				P	P1 P=		
L				50.0	MN BR SF				3		B+	
R		116.47	119.00		Siliceous. All hornblendes altered to sericite. Well							
R		116.47	119.00		mineralized 2.5-3.0%pyh. and 0.5%py? Limonitic alteration only							
R		116.47	119.00		on fracture surfaces. Weak pervasive qtz-carb alteration.							
P		117.74	123.34	100.0	HFPO QZ CY FX2				P	P1 P+ P1	B*	
L				60.0	GG				3		B)	
R		120.00	123.34		Weak to moderately mineralized. Mainly blebs of pyh.. Variable							
R		120.00	123.34		alteration. Increasing greenish colour to the bottom of the							
R		120.00	123.34		interval. Hornblendes altered, low original content. Minor							
R		120.00	123.34		calcite veins.							
P		123.34	126.93	100.0	HFPO LI CY FX2				P	P1 P+ P1	B*	
L				50.0	GT				3		B)	
R		123.34	126.93		Increasing alteration, 15-20% limonite/sericite. Light tan/pale							
R		123.34	126.93		brown.							
P		126.93	129.08	100.0	HFPO QZ CY FX2 PP RH				P	P1 P+ P) P1	B*	
L				60.0	FU SR				3		B)	
R		126.93	129.00		Little limonite alteration. Hornblende altered to sericite.							
R		126.93	129.00		Moderately mineralized, dominant pyrrhotite 1-2%.							
R		129.00	131.50		Increasing altered. Drilling down a 1-2cm well mineralized							
R		129.00	131.50		calcite vein. Increasing alteration due to veining. Semimassive							
R		129.00	131.50		pyh/py/aspy. 2-3%. The surrounding rock averages 1-2% py/pyh.							
R		129.00	131.50		blebs.							
P		129.08	130.90	100.0	HFPO CR CY FX2				P	0/ 3 P1 P+ P1	B+	BS
L				40.0	MN GG LI1				4		B+	B+

ESSO Minerals Canada
RELAY_CREE

DRILLHOLE/TRAVERSE : RYC086 (CONTINUED)

KEY	FROM	TO	CORE RECOVERY (FT.)	X ROCK TYPE	TYPE-1	QAL-1	TEX-1	GRAIN CHARACS	FRACTURE	STRUCTUR-1	ALTERATION	MINS	ORE-TYPE	MINS	SUMMARY
K	(UNITS = FT)			M I	IM IM	MAT	TX TX	F C %	M	T ID	H H H H	H ANY	H H	H ANY	
E															
Y	G FROM - TO			X	1 2	QML	1	2 F	C P #	TK	STK DIP	RT	A A A A	A MIN	A A	A MIN	
K	F		ROCK	FOR	ER	RT	IM	QM2	TX	TX	S R S	D	DIP	F	T	ID	STK	DIP	KT	MU	CL	FP	HE	HA	PR	MO	SL	HA	
E	L		QUAL	MEM	U	Q	LC-	3		3	4	D	N H /	SML	I	2	AZM	RT		H	H	H	H	H	H	H	H	
Y	G		DESIG	AGE			COL				R	D	P C				STRUCTUR-2			A	A	A	A	A	A	A	A	
N	129.08	130.90			3 VEIN						N																	
P	130.90	136.93	100.0		HFPO	QZ	CY	FX2			P		U/		40	P1		P+		P1		B*						
L			60.0			AL	GG				3											B)						
R	131.50	136.93		Weak zone of carbonate veining. Thin reddish/orangy stained																									
R	131.50	136.93		envelopes. Numerous fresh/grey zones. Moderately mineralized																									
R	131.50	136.93		overall. Calcite veins are poorly mineralized.																									
P	136.93	145.05	100.0		HFPO	QZ	SR	FX3	PP	RH	P		U/		35	P)		P)	(+			B(						
L			60.0				SR		HB2		2											B+						
R	140.00	141.28		1-2cm calcite vein @ 35 degrees to core axis. Semimassive																									
R	140.00	141.28		pyrite 2-5%. Narrow alteration envelope.																									
R	141.28	145.05		Fresh/unaltered hornblende feldspar porphyry. Feldspar																									
R	141.28	145.05		subhedral crystals 1-4mm. Hornblendes vary from fresh to																									
R	141.28	145.05		partially altered to sericite. Moderately mineralized with 1-2%																									
R	141.28	145.05		bleby pyh. and traces of pyrite. This type of mineralization is																									
R	141.28	145.05		continous throughout the hole at 0.5-1.5%.																									
N	141.28	141.84	100.0		2-VEIN						N																		
P	145.05	149.23	100.0		HFPO	QZ	SR	FX3	PP	RH	P					P)		P1	P)	P2		B(						
L							GT		HB2		2											B+						
R	145.05	149.63		Increasing clay and limonite/sericite alteration. Clays range																									
R	145.05	149.63		in colour from greens, whites to orange. Weakly mineralized.																									
P	149.23	149.69			VEIN	QZ	SR	FX3	PP	RH	P					P)		P)	(+			B(						
L							GT		HB2		2											B+						
R	149.23	150.00		2-4cm carbonate-chalcedony qtz vein. Several pulses of hydro																									
R	149.23	150.00		activity.																									
P	149.69	166.54	100.0		HFPO	CY	LT	FX3	PP	RH	P									61		B(						
L			50.0				BR	PR	HB1	UO	3											B+						
R	151.00	166.54		Similar to previous section. Variable alteration and colour.																									
R	151.00	166.54		Approx. 60% of the rock is relatively unaltered. Original																									
R	151.00	166.54		hornblende content varies as well the amount altered to																									
R	151.00	166.54		sericite. Moderately mineralized varying somewhat with																									
R	151.00	166.54		alteration intensities. 1-2.5%pyh. and 0.1-0.3% py. No other																									
R	151.00	166.54		base metals observed in this hole. Slight increase in sulphide																									
R	151.00	166.54		content from 157.58-163M. Minor calcite veins.																									
P	166.54	169.33	100.0		HFPO	QZ	SR	FX3	PP	RH	P					P)						B(						
L			60.0			SF	SR	PR	HB1	UO	3											B+						
R	166.54	168.00		Unaltered (1% limonite alteration. All hornblende to sericite.																									
R	166.54	169.33		Moderately siliceous. Well mineralized 2-3% pyh. and trace of																									

ESSO Minerals Canada
RELAY_CREE

DRILLHOLE/TRAVERSE : RYC006 (CONTINUED)

K	L	- INTERVAL - (UNITS = FT)		CORE RECOVERY (FT.1)	%	TYPE	TYPI-FYING	QUAL MIN	TEXTURES		GRAIN CHARACS		FRACTURE		STRUCTUR-1					ALTERATION						MINS	ORE-TYPE						MINS	SUMMARY
																				H	H	H	H	H	ANY	H	H	H	H	H	ANY	
E	A				M															A	A	A	A	A	MIN	A	A	A	A	A	MIN	
Y	G	FROM - TO		(FT.1)	X	TYPE	1	2	QML	1	2	F	F	C	P	#	TX	1		AZM	DT	QZ	BI	CV	CB	MG	KS	PY	CP	GL	YY		
K	F			ROCK QUAL DESIG	FOR	MEM	EN	V	RT Q	LC	TM 3	QM2 3	TX 4	TX 0	S	R	S	G	DIP	F	T 2	ID	STR AZM	DIP DT	KF	MU	CL	EP	HE	HA	PR	MO	SL	HA
E	L																									A	A	A	A	A	A	A	A
Y	G				AGE				COL					R	O	P	C			STRUCTUR-2													
R		166.54	169.33		pyrite.																												
P		169.33	169.77	100.0			MFPO	CV	LI	FX3	PP	RH				P		U/		30								61	CA	BC		
L								AL	GT	PR	HBI	VG					3													CI	BA		
R		169.33	169.77		Light tan (altered). Qtz-carb. alteration from 2-5cm calcite																												
R		169.33	169.77		vein, vuggy, poorly mineralized. Drill rods got stuck for 3																												
R		169.33	169.77		hours. End of hole.																												
N		169.33	169.77		3 VEIN												N																

SUMMARY REMARKS

0.0-122 OVERBURDEN
1.22-26.35 FELDSPAR PORPHYRY
26.35-34.32 FELDSPAR PORPHYRY 2.5-5% PYH., 1% PY, 0.1% SPH.
34.32-50.4 FELDSPAR PORPHYRY
50.4-65.42 HORNBLENDE-FELDSPAR PORPHYRY
65.42-67.62 FELDSPAR PORPHYR 1-2% PY,
67.62-92.2 HORNBLENDE-FELDSPAR PORPHYRY
92.2-96.05 FELDSPAR PORPHYRY 2-3% PYH., 0.5-1% PY.
96.05-141.28 HORNBLENDE-FELDSPAR PORPHYRY
141.28-141.84 VEIN
141.84-169.77 HORNBLENDE-FELDSPAR PORPHYRY

ESSO Minerals Canada
RELAY_CREE

DRILLHOLE/TRAVERSE : RYC007

PROJECT IDEN : RELAY_CREE | START DATE : 88/ 8/29 | COMPLETION DATE : 88/ 9/ 2 | GEOLOGGED BY : KO +
COLLAR NORTHING: 810.00 | COLLAR EASTING : 345.00 | COLLAR ELEVATION: 2240.00 | GRID AZIMUTH : 320.00
TOTAL LENGTH : 175.87 | CORE/HOLE SIZE : HQNQ

SURVEY FLAG	SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING
000	0.00		260.00	-60.00		

FROM	TO	CORE RECOVERY (FT.1)	% TYPE	TYPE-1	QAL 1	QAL 2	TEXTURES	GRAIN CHARACS	FRACTURE	STRUCTUR-1	ALTERATION MINS	ORE-TYPE MINS	SUMMARY
0.00	1.22			OVER									
0.00	1.22			Overburden/casing.									
1.22	14.30	100.0		HFPO	CB	QZ	FX3	PP	CG	P			B*
1.22	14.30	50.0		FU	7A	LI	HB2			4			B)
1.22	14.30			Relatively unaltered/fresh. Hb-Feld porphyry. Med.- Coars.									
1.22	14.30			grained subhedral to euhedral feldspars 1-4mm and Hb 0.5-3mm in									
1.22	14.30			size. Minor limonitic/sericite altr. predominantly on									
1.22	14.30			fractures, weakly pervasive in other areas. Variable colour									
1.22	14.30			pale greenish grey to light tan. Poorly mineralized 0.5-1% pyh.									
1.22	14.30			0-0.5% py, generally fine well disseminated blebs) 1mm									
1.22	14.30			occationally up to 3mm. Weak pervasive carb. alteration.									
14.30	20.90	100.0		HFPO	CB	QZ	FX3	PP	CG	P		61	B*
14.30	20.90	50.0		FU	8T	LI	HB2			4			B)
14.30	20.90			Similar to previous section, minor increase in limonitic									
14.30	20.90			alteration. More of a brownish colour.									
20.90	31.10	100.0		HFPO	CB	QZ	FX3	PP	CG	P		G=	B*
20.90	31.10	50.0		FU	7A	LI	HB2			4			B)
20.90	31.10			Variable alteration, alternating fresh and altered patches.									
20.90	31.10			Moderate increase in silicification and possible									
20.90	31.10			mineralization. Reduce from NQ to HQ @ 31.1 metres.									
20.90	31.10			29.0 - 30.5 M ---- 1% pyh/py.									
31.10	36.60	100.0		HFPO	CB	QZ	FX3	PP	CG	P		61	B*
31.10	36.60	50.0		FU	8U	LI	HB2			5			B)
31.10	36.60			Increasing pervasive limonitic/sericite alteration. Approx.									
31.10	36.60			30-40% of the rocks are still fresh.									
33.80	34.58			Fresh unaltered.									
33.80	34.58			@ HFPO						N			
36.60	58.00	100.0		HFPO	CB	QZ	FX3	PP	CG	P		61	B*
36.60	58.00	50.0		BL	GG	LI	HB2			4		B*	B)

FROM	TO	CORE RECOVERY (FT.1)	% TYPE	ROCK QUAL DESIG	FOR AGE	EN COL	RT	TM 1	QM2	TX 3	TX 3	S R O P	S O N C	DIP	F	T 1	TO 2	STK	DIP	KF	MG	CL	EP	HE	HA	PR	MG	SL	HA
0.00	1.22																												
1.22	14.30	100.0																											
1.22	14.30	50.0																											
14.30	20.90	100.0																											
14.30	20.90	50.0																											
20.90	31.10	100.0																											
20.90	31.10	50.0																											
31.10	36.60	100.0																											
31.10	36.60	50.0																											
33.80	34.58																												
36.60	58.00	100.0																											
36.60	58.00	50.0																											

ESSO Minerals Canada
RELAY_CREE

DRILLHOLE/TRAVERSE : RYC007 (CONTINUED)

TYPE	FROM	TO	CORE RECOVERY (FT.)	% ROCK TYPE	TYPE-TEXTURES 1	2	QAL-CHARACS 1	2	GRAIN FRACTURE F	C	%	#	STRUCTUR-1	ALTERATION MINS	ORE-TYPE MINS	SUMMARY
R	36.60	58.00														Similar to previous section. Weakly altered. Increasing green
R	36.60	58.00														component, epidote. Poorly mineralized.
P	58.00	72.23	100.0		HFPO	CB	FX4	PP	CG		P				P+	
L			50.0		FU	SR	HB2	VC			4				0*	
R	58.00	72.23														Crowded Hornblende - feldspar porphyry. Approaching crystal
R	58.00	72.23														supported matrix. Excellently preserved white to grey feldspar
R	58.00	72.23														crystals and subhedral hornblendes. Minor sericite and
R	58.00	72.23														limonite on fracture surfaces. Weakly carbonaceous throughout.
R	58.00	72.23														Minor epidote/chlorite alt.
P	72.23	74.80	100.0		HFPO	CB	FX3	PP	CG		P				P+	
L			50.0		FU	SR	HB2	VC			4				0*	
R	72.23	74.80														Less crowded, all crystals are subhedral.
P	74.80	78.80	100.0		HFPO	CB	FX4	PP	CG		P				P+	
L			40.0		MN	BR	HB2	VC			4				0*	
R	74.80	78.80														Pale grey increased mineralization. Nearing contact with
R	74.80	78.80														volcanics. Probably the best mineralization section intersected
R	74.80	78.80														in this hole so far.
P	78.80	127.72	100.0		XLTF	CR	CL	LF	FR	PV	P	BN	65		CA	0(
L			40.0		VL		BN	GR			5	BN	50		C)	0(
R	78.80	127.72														Contact between the intrusive above and volcanics below. Poor
R	78.80	127.72														recover near contact. Graded bedded visible. Polylithic
R	78.80	127.72														fragments up to 5cm. Some frags. are crystaline, minor
R	78.80	127.72														argillaceous component. Matrix supported in most areas. Dark
R	78.80	127.72														greenish grey-black. Poorly mineralized. Minor calcite veins.
R	78.80	127.72														Bedding to core axis: @ 82m >65, @ 93m >40, @ 105.5m >35 and
R	78.80	127.72														@ 125m 40.
P	127.72	175.60	100.0		HFPO	EP	CB	FX3	PP		P	C/	45		P1	B)
L			50.0		FU	SR	PR	HB2								0+
R	127.72	172.00														Contact clean and well preserved, >to core 45. Little
R	127.72	172.00														hornfelsing and a thin 1-3cm alteration envenlope. Higher
R	127.72	172.00														sulphide content than previous sections above. Some sericite
R	127.72	172.00														alt. only limonite on occational fractures. Pyrite found on
R	127.72	172.00														fractures. Pyh 1-2.5%, py 0.3-1%. Finely disseminanted bleds of
R	127.72	172.00														pyrrhotite dominant. Moderate to strong component of carbonate.
R	127.72	172.00														Feldspars extensively replaced.
N	127.72	128.75	100.0		3	MINZ					N	U/	20			
L			50.0								4	U/	65			
N	151.10	151.70			3	GOUG					N					
R	172.00	175.86														Contact betwn. intrusive and volc. or a large clast?? Out of HQ

ESSO Minerals Canada
RELAY_CREE

DRILLHOLE/TRAVERSE : RYC007 (CONTINUED)

F - I N T E R V A L -	CORE	X	TYPI-	QAL	TEX-	GRAIN	FRAC-	STRUCTUR-1	ALTERATION MINS	ORE-TYPE MINS
K L (UNITS = FT)	RECOV-	M	ROCK	FYING	MIN	TURES	CHARACS	TURE	H H H H H ANY	H H H H ANY
E A	ERY	I	TM	IM	MAT	TX	TX	F C % M	T ID STK DIP A A A A A MIN	H A A A MIN
Y G F R O M - T O	(FT.1)	K	TYPE	1	2	QMI	1	2 F F C P # TK	1 AZM RT QZ BI CY CB MG XX PY CP GL YY	SUMMARY
K F	ROCK	FOR	EN	RT	TM	QM2	TX	TX S R S Q DIP F	T ID STK DIP KF MU CL FP HE HA PR MO SL HA	
E L	QUAL	MEM	V	Q	LC-	3	3	4 Q N H / SAL I	2 AZM RT H H H H H H H H	
Y G	DESIG	AGE			COL		R	Q P C	STRUCTUR-2 A A A A A A A A	

R	172.00	175.86	rods so we can not test at further depth. Casing left in hole.
R	172.00	175.86	Probably close to volcanic package.
P	175.60	175.86	VOLC LF3 FR P C/ 40
L			66

S U M M A R Y R E M A R K S

0.0-1.22 OVERBURDEN
1.22-78.8 HORNBLENDE-FELDSPAR PORPHYRY
78.8-127.72 CRYSTAL LITHIC TUFF
127.72-175.6 HORNBLENDE-FELDSPAR PORPHYRY
--MINERALIZED 1-2.5% PYR., 0.3-1% PY.
175.6-175.86 VOLCANIC??

ESSO Minerals Canada
RELAY_CREE

DRILLHOLE/TRAVERSE : RVC008

PROJECT IDEN : RELAY_CREE START DATE : 88/ 9/ 2 COMPLETION DATE : 88/ 9/ 4 GEOLOGGED BY : KD +
COLLAR NORTHING: 700.00 COLLAR EASTING : 80.00 COLLAR ELEVATION: 2316.00 GRID AZIMUTH : 320.00
TOTAL LENGTH : 148.40 CORE/HOLE SIZE : NQNQ

SURVEY FLAG	SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING
000	0.00		243.00	-60.00		

K	L	INTERVAL (UNITS = FT) FROM - TO	CORE RECOVERY (FT.1)	% ROCK TYPE	TYPING	QAL MIN MAT	TEXTURES 1	2	QM1	TX 1	TX 2	FRAC F	FRAC C	GRAIN % P	FRAC-TURE % TX	STRUCTUR-1 1	ID	STK	DIP	ALTERATION MINS H A	K A	H A	MINS ANY H A	ORE-TYPE MINS H A	MINS ANY	SUMMARY
K	F		ROCK QUAL	FOR MEM	EN U	RT Q	TM LC-	QM2 3	TX 3	TX 4	S Q	R N	S H	O /	DIP SML	F I	STRUCTUR-2 2	ID	STK	DIP	KF H	MU H	CL H	EP H	HE H	HA H	PR H	MO H	SL H	HA H
E	L		DESIG	AGE		COL						R	D	P	C					A	A	A	A	A	A	A	A	A	A
Y	G																												

P 0.00 4.26 OVER P
R 0.00 4.26 Overburden\casing.

P 4.26 6.70 20.0 HFPO HB SR FX RP RH P P1 P) P2 B.
L .0 AL RB CY LI CY X B*
R 4.26 6.70 Poor recovery. Altered 20-40%, no fresh areas.

P 6.70 9.75 85.0 HFPO HB SR FX RP RH P P1 P) P2 B.
L .0 AL RB CY LI CY X B*
R 6.70 9.75 Badly broken ground, recovery increasing slightly.

P 9.75 17.45 90.0 HFPO HB SR FX RP RH P U/ 30 P1 P) P2 B.
L .0 AL RB CY LI CY X B*
R 9.75 17.45 Similar to previous sections. Strongly alter. with
R 9.75 17.45 limonite/sericite 10-20%, both pervasive and on fractures. 80%
R 9.75 17.45 of hornblendes have been replaced by sericite. 50-60% feldspar
R 9.75 17.45 replaced by clay. Rust brown-tan-reddish. Sulphide content low
R 9.75 17.45 0.5-1%. Partial sulphide component removed by leaching. Minor
R 9.75 17.45 calcite veins, some vuggy.

P 17.45 27.60 98.0 HFPO HB SR FX RP RH P U/ 30 P1 P) P2 CA B.
L 10.0 AL RB CY LI CY B U/ 35 C) B*
R 17.45 27.60 Similar to previous sections. RQD increasing. Alteration
R 17.45 27.60 decreasing down section. Some minor calcite veined sections.
R 17.45 27.60 Calcite vein @ 18.7m 1-3cm)to core 30. Poorly mineralized.
R 17.45 27.60 Thin calcite vein @ 24.4-25m stockwork, true thickness is only
R 17.45 27.60 35cm.
R 17.45 27.60 25.7-26.7m Similar to last veined section)to core 40.
N 18.50 19.05 @ VEIN N

P 27.60 31.10 93.0 HFPO HB SR FX RP RH P P1 P) P2 B*
L .0 AL RB CY LI CY X B)
R 27.60 31.10 Similar to previous section. RQD and recovery has decreased.
R 27.60 31.10 Minor unaltered greyish section. Calcite veinlets at various

ESSO Minerals Canada
RELAY_CREE

DRILLHOLE/TRAVERSE : RY0008 (CONTINUED)

K	F L	- I N T E R V A L - (UNITS = FT)		CORE RECOV-ERY	% ROCK	TYPE- GRAL MIN	TEX- TURES	GRAIN CHARACS	FRAC-TURE	STRUCTUR-1	ALTERATION MINS	ORE-TYPE MINS	
E	A				M	IM IM MAF	TX TX F	C Z M		T ID STK DIP	A A A A A ANY	A A A ANY	
Y	G	FROM - TO		(FT.I)	K TYPE	1 2 OMI	1 2 F	F C P	# TK	1 AZM	RT QZ BI CY CB MG	XX PY CP GL YY	SUMMARY
K	F			ROCK	FOR EN RT	IM OM2	TX TX S	S S Q DIP	F	T ID STK DIP	KF MU CL EP HE HA	PR MO SL HA	
E	L			QUAL	MCM U	Q LC- 3	3	4 9 H	H / SML	I 2 AZM	RT H	H H H H H	
Y	G			DESIG	AGE	COL		P D P	C	STRUCTUR-2	A	A A A A A A	

R 27.60 31.10 angles. Increasing sulphide content. Pyh. sooty blebs 1-2%, py
R 27.60 31.10 less than 1%. Decreasing clay alteration.

P 31.10 32.85 100.0 HFPO SR LI FX2 PP RH P 61 3*
L 15.0 AL 8A PR BY 8 3+
R 31.10 35.00 Increasing sulphide content 2.5% pyh.,. >1% py. Hb to sericite.
R 31.10 35.00 More competent core, decreasing limonitic content. Carbonate
R 31.10 35.00 component has decreased.

P 32.85 41.70 100.0 HFPO SR LI FX2 VA PP P P= P) 61 3*
L 20.0 MN 7A PR RH BY 7 3+
R 35.00 41.70 Similar to previous section. Variable alteration. Some areas
R 35.00 41.70 fresh with well formed hornblendes. Other spots reddish brown
R 35.00 41.70 limonite altered with Hb. totally altered to sericite.
R 35.00 41.70 Sulphides increasing, well disseminated blebs of pyh 0.2-3mm in
R 35.00 41.70 size. Occational vein mineralization. Moderately siliceous.
R 35.00 41.70 2-3% pyh.

P 41.70 53.50 100.0 HFPO SR LI FX2 VA PP P P= P) P1 3*
L 20.0 MN 7T PR RH BY 7 3+
R 41.70 53.50 Similar to previous section. Slight increase in alteration.
R 41.70 53.50 Good sulphide content. Tan brown colour. Minor greyish
R 41.70 53.50 unaltered sections. Minor fresh sections. Sooty blebs of
R 41.70 53.50 pyrite. Sooty variety of pyh., weakly to non-magnetic. 2-3%
R 41.70 53.50 pyh.

P 53.50 58.50 100.0 HFPO SR LI FX2 VA PP P U/ 35 P= P= P) P2 3*
L 10.0 AL 6T PR RH BY 8 3)
R 53.50 58.50 Increasing in clay and limonite/sericite alteration. Decrease
R 53.50 58.50 in sulphide content. Brownish limonitic colour. Very minor
R 53.50 58.50 fresh zones. Reduce from HQ to NQ core size at 58.5m.

P 58.50 64.55 100.0 HFPO SR LI FX2 VA PP P P= P) 61 3*
L 10.0 AL 6T PR RH BY 8 3+
R 58.50 64.55 Same as previous section.

P 64.55 66.14 100.0 HFPO PR SR FX2 VA VV P P= P) 61 3(
L 10.0 MN 7A LI RH BP 8 K=
R 64.55 66.14 Increasing in sulphide content. Stockwork like microveining
R 64.55 66.14 with sooty pyh 2-5%. Non-magnetic.

P 66.14 78.90 HFPO SR LI FX2 VA PP P P= P) 61 3(
L AL 8U PR RH BY 3+
R 66.14 69.00 Moderately mineralized. Slight decrease from the section above.

ESSO Minerals Canada
KELLY_CREE

DRILLHOLE/TRAVERSE : RYC008 (CONTINUED)

KEY	FROM	TO	CORE RECOVERY (FT.1)	% ROCK TYPE	TYPIFYING MINERALS 1	TYPIFYING MINERALS 2	QUALIFIERS 1	TEXTURES 1	TEXTURES 2	GRAIN CHARACS	FRACTURE	STRUCTURE-1	ALTERATION MINS	ORE-TYPE MINS	SUMMARY
R	69.00	76.60													Strongly mineralized 4-6% pyh., 1-2% py?? Sometimes difficult to recognize the difference between the two sulphides. Sulphides occur as veins, patches and blebs. Veins are irregular and discontinuous, semimassive in spots. Best mineralization so far in this hole. Weak pervasive carbonate. Brownish colour. Low Hb. content. 60-70% of feld. alt. to clay. Sooty py/pyh. present. 73.15-73.97m semimassive traces of As and Chalcopy. 76-76.6m semimassive sulphides.
P	70.90	76.60	100.0	HFPO	PR	FX	RH	BY		P	V/	30	P)	P=	3)). AS
L			30.0	MN						6	V/	30		B*	3=).
N	73.15	73.97	100.0	7	MNV/					N					
N	76.00	76.60		7	MNV/					N					
P	76.60	88.60	100.0	HFPO	PR	CY	FX2	RP	BY	P	V/	25	P1	P+ P1	3)
L			50.0	MN	GT	LI				5	V/	40		P)	3=
R	76.60	88.60													Mineralized vein component has decreased. Dominanted by blebs and patches of pyh/py 0.5-4mm in size. Blebs are relatively coarse and well disseminated throughout the section. The sooty vareity of py/pyh is also present. Feldspar crystals often alt. to white and green clay. Minor calcite veining, generally unmineralized. Best mineralized hole next to RYC001.
P	88.60	97.10	100.0	HFPO	CY	PR	FX2	RP	BY	P			P1	P+ P1	3)
L			50.0	MN	GT	LI				5				P)	3=
R	88.60	95.00													Similar to previous section. Well mineralized with disseminated coarse blebs of pyh/py. Increasing greenish colour due to all feldspars converted to a greenish clay. No visible hornblendes, low original content. Pseudomorphs alt. to sericite. Feldspar porphyry???
R	95.00	100.30													Relatively unaltered, fresh grey. Low original hornblende content? None visible. Moderately siliceous. Some feldspars alt. to white and green clay. Very well mineralized. 3-6%pyh., occuring as blebs and pactches disseminated throughout the section. Pyrite generally in fractures.
P	97.10	100.30	100.0	HFPO	PR	QZ	FX2	RP	BY	P			P1		() 3*
L			60.0	MN	GR					4					3=
P	100.30	102.10	100.0	HFPO	PR	QZ	FX2	RP	BY	P			P1		P= 3*
L			40.0	MN	GT					6					3=
R	100.30	102.10													Clay and limonite alteration increasing. Well mineralized.
R	100.30	102.10													Increase in the sooty vareity of pyh.
P	102.10	109.70	100.0	HFPO	PR	QZ	FX2	RP	BY	P	V/	40	P1		() 3*

ESSO Minerals Canada
RELAY_CREE

DRILLHOLE/TRAVERSE : RYC008 (CONTINUED)

K E Y	F L G	-INTERVAL- FROM - TO (UNITS = FT)	CORE RECOV- ERY (FT.)	X M ROCK TYPE	TYPI- FYING TM	QAL MIN 1	TEX- TURES 1	GRAIN CHARACS 2	FRAC- TURE	STRUCTUR-1 T	ALTERATION MINS H H H H H ANY H H H ANY ID STK DIP A A A A A MIN A A A MIN AZM RT QZ BT CY CB MG XX PY CP GL YY SUMMARY
K E Y	F L G		ROCK QUAL DESIG	FOR MEM AGE	EN V COL	RT Q	TM LC- 3	QM2 3	TX 4	TX 0	S R S O DIP F N H / SML I R D P C	T 2 STRUCTURE-2	ID STK DIP KF MU CL EP HE HA FP MO SL HA AZM RT H H H H H H H H A A A A A A A A
L			60.0		MN 6A						4		3=
R		102.10 109.70			Same as section 97.1-100.3m. Well mineralized, sulphide content								
R		102.10 109.70			3-6%. occurence dominantly as blebs, patches and minor veins.								
P		109.70 117.75	100.0		HFPO PR QZ FX2 RP BY						P P1 ()		3=
L			50.0		MN 5A		FG				5		3=
R		109.70 117.75			Similar to previous section. Finer grained porphyritic								
R		109.70 117.75			textures. Some areas original textures totally destroyed. Well								
R		109.70 117.75			mineralized 4-7% pyh and 0.5-1% py. Both sooty and crystaline								
R		109.70 117.75			variety of sulphides. Well disseminated blebs and mineralized								
R		109.70 117.75			veinlets/network? stockwork textures. Veins generally less than								
R		109.70 117.75			1mm, irregular and discontinuous. Minor veins are semimassive								
R		109.70 117.75			with sooty pyh..								
P		117.75 122.45	100.0		HFPO PR LI FX2 RP BY						P P1 P= P1		3=
L			40.0		MN 6I		CY UA				6		3=
R		117.75 122.45			Increasing limonite/clay alteration. Mineralization slightly								
R		117.75 122.45			decreasing. Greenish grey and tan brown colour.								
P		122.45 128.15	100.0		HFPO HB CY FX2 RP RH						P 0+ >+		3)
L			50.0		6A		UC UA						3=
R		122.45 128.15			Variable feldspar alteration, green and white clays. Sulphide								
R		122.45 128.15			content has decreased. Hornblende content increasing.								
P		128.15 135.40	100.0		HFPO PR QZ FX2 BY RP						P U/ 30 P1		3)
L			50.0		MN 6A						5 <<		3=
R		128.15 135.40			Well mineralized. Similar occurence to the previous section								
R		128.15 135.40			with blebs and irregular/discontinuous veinlets. minor								
R		128.15 135.40			calcite vein. No hornblende content.								
P		135.40 139.30	100.0		HFPO HB CY FX2 RP RH						P		
L			50.0		6A		UC UA				5		
R		135.40 139.30			Similar to section 122.45 to 128.7M. Slight decrease in								
R		135.40 139.30			sulphide content. Feldspar replaced by kaolinite and green								
R		135.40 139.30			clay. 38.38M--- well mineralized vuggy/calcite vein) to core								
R		135.40 139.30			60.								
P		139.30 148.40	100.0		HFPO HB PR FX2 RH BY						P U/ 25))		3)
L			40.0		6A QZ		UC						3=
R		139.30 148.40			Hornblende content increasing, 50% sericite altered. Sulphide								
R		139.30 148.40			content decreasing, occuring dominantly as blebs. Calcite vein								
R		139.30 148.40			@ 147.35m. Semimassive pyh/py in 1-3cm vuggy calcite vein.								
R		139.30 148.40			142.6-143.05M minor clay gouge zone.								
R		139.30 148.40			END OF HOLE								

ESSO Minerals Canada
RELAY_CREE

DRILLHOLE/TRAVERSE : RYC008 (CONTINUED)

F K E Y	L A G	-INTERVAL- (UNITS = FT) FROM - TO	CORE RECOVERY (FT.I)	% ROCK I % TYPE	TYPING 1	TYPING 2	MIN QMI	TEXTURES 1	TEXTURES 2	GRAIN CHARACS F	GRAIN CHARACS C	GRAIN CHARACS X	GRAIN CHARACS M	GRAIN CHARACS P	FRACTURE #	FRACTURE TK	STRUCTUR-1 T	STRUCTUR-1 ID	STRUCTUR-1 STK AZM	STRUCTUR-1 DIP RT	ALTERATION MINS A QZ	ALTERATION MINS A BI	ALTERATION MINS A CY	ALTERATION MINS A CB	ALTERATION MINS A MG	ALTERATION MINS ANY XX	ORE-TYPE MINS A PY	ORE-TYPE MINS A CP	ORE-TYPE MINS A GL	ORE-TYPE MINS ANY YY	SUMMARY
K E Y	F L G		ROCK QUAL DESIG	FOR MEM AGE	EN U	RT Q	LC	TM 3	QM2	TX 3	TX 4	S R O	S H R	S / P	DIP SML C	F I	T 2	ID	STK AZM	DIP RT	KF STRUCTUR-2	MU	CL	EP	HE	HA	PR	MO	SL	HA	
N		142.30	143.05		6	GOUG										N															
N		144.00	145.40		5	GOUG										N															

SUMMARY REMARKS

0.0-4.26 OVERBURDEN
4.26-70.9 HORNBLENDE-FELDSPAR PORPHYRY
70.9-76.6 HORNBLENDE-FELDSPAR PORPHYRY
--MINERALIZED 4-6%PYH., 10%PY., TRA. GA + ASPY
76.6-122.45 HORNBLENDE-FELD PORPHYRY 3-6%PYH, 1% PY.

122.45-149.4 HORNBLENDE-FELDSPAR PORPHYRY

APPENDIX IV

COST STATEMENT

COST STATEMENT

Labour:		
Management Supervision	13 days @ $425/day	$ 5,525
Senior Project Geologist	25 days @ $350/day	8,750
Project Geologist	61 days @ $165/day	10,065
Geologic Assistant	60 days @ $100/day	6,000
		$ 30,340
Food and Lodging:		
146 man days @ $40/day		$ 5,840
Transportation:		
1 truck @ $1,050/month for 2.5 months		$ 5,407
Gas, misc. food, expense accounts		1,857
Helicopter $600/hr for 1.25 hrs		750
		$ 8,014
Drilling:		
1079.2m (including mob and demob)		$165,007
Sample Analysis:		
Sample bags, tags, flagging tape, etc.		$ 1,380
Rock samples: 745 @ $13.75/sample		10,243
		$ 11,623
Computer Rental:		$ 1,630
Miscellaneous:		
Communication equipment, freight, camp supplies, demob camp, etc.		$ 3,928
Report Writing and Drafting:		$ 6,719
TOTAL		**$233,101**

Keenan Dom