

EXPLORATION REPORT:

COPPER GEOCHEMISTRY - KAMAD 7

Property

Kamloops Mining Division, British Columbia

| | | |
|---------|----------------|---------|
| Claims: | Kamad 6 | 2690(6) |
| | <u>Kamad 7</u> | 2691(6) |
| | Kamad 8 | 2692(6) |

Latitude: 51° 08.4' North
 Longitude: 119° 49.2' West

NTS 82M/4W

FILMED

Owners: Esso Resources Canada
 1600 - 409 Granville St.
 Vancouver, B. C.
 V6C 1T2

Operators: Esso Resources Canada

1100 - 409 Granville St.
 Vancouver, B. C.
 V6C 1T2
GEOLOGICAL BRANCH
ASSESSMENT DEPARTMENT

15,154

September 17, 1986

J. L. Oliver, MSc.

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INTRODUCTION

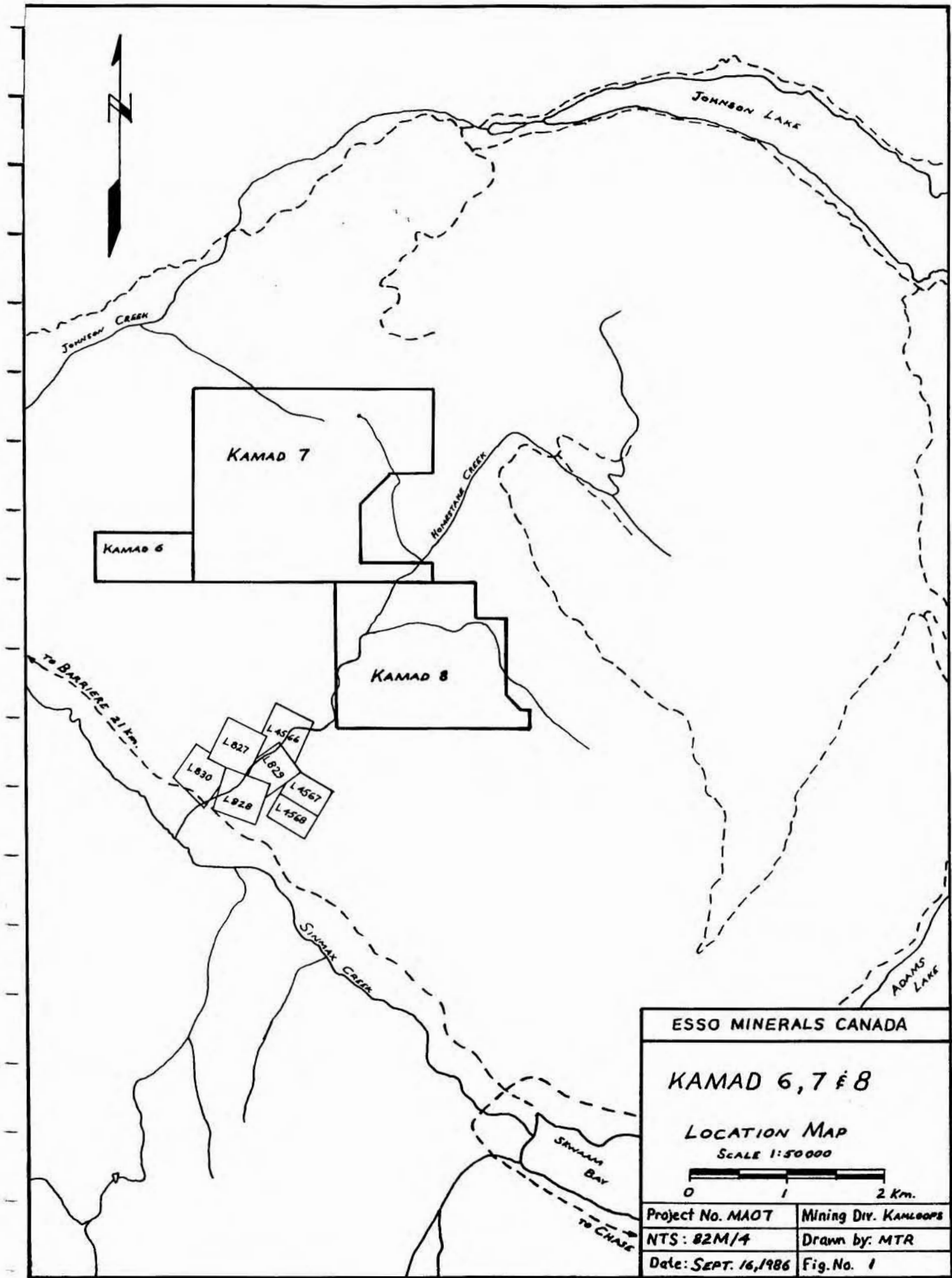
Esso Resources Canada owns and operates the Kamad group of claims which are situated in the Kamloops Mining Division, southcentral British Columbia.

The Kamad claims are located approximately 60 kilometers northeast of Kamloops or 21 kilometers east of Barriere, Figure 1. Good access is available to all portions of the subject claims via existing logging roads which connect with Johnson Lake and Skwaam Bay roads.

The claims to be covered by this assessment report include:

| <u>Claim Name</u> | <u>Record No.</u> | <u>Units</u> | <u>Record Date</u> |
|-------------------|-------------------|--------------|--------------------|
| Kamad 6 | 2690(6) | 2 | June 26/85 |
| Kamad 7 | 2691(6) | 20 | June 26/85 |
| Kamad 8 | 2692(6) | 12 | June 26/85 |

The property lies on the southwestern flank of Samatosum Mountain in an area of moderate relief, 1250 to 1475 meters A.M.S.L. The region experiences moderate to heavy precipitation, with temperature ranges from -30°C to +30°C. Approximately 40 percent of the property has been clearcut logged, with the



| | |
|----------------------|----------------------|
| ESSO MINERALS CANADA | |
| KAMAD 6, 7 & 8 | |
| LOCATION MAP | |
| SCALE 1:50000 | |
| 0 1 2 Km. | |
| Project No. MAOT | Mining Div. Kamloops |
| NTS: 82M/4 | Drawn by: MTR |
| Date: SEPT. 16, 1986 | Fig. No. 1 |

remainder covered by second growth spruce and pine. Bedrock exposures average 3 - 5 percent.

Interest in the subject claims was sparked by the discovery in 1983 of massive sulphide mineralization on the Rea Gold (Ar/HN) property. The AR/HN property shares a common boundary with the Kamad 7 claim, immediately to the south. During the winter of 1985 preliminary drilling on Kamad 7 intersected massive sulphide mineralization 700 meters southeast of the original Rea showings.

The Kamad group of claims were acquired by Esso Resources Canada Ltd. (ERC) in the spring of 1986 and a comprehensive program of evaluation initiated. This report documents one segment of this program, copper soil geochemistry across the Kamad 7 mineral claim.

SUMMARY

Between June 5 and June 25, 1986, 17.2 kilometers of cut and chained grid were established over the Kamad 7 property. During this time, 481 "B" horizon soils were collected at 25 meter intervals and submitted for geochemical analysis (Appendix II, Map 2).

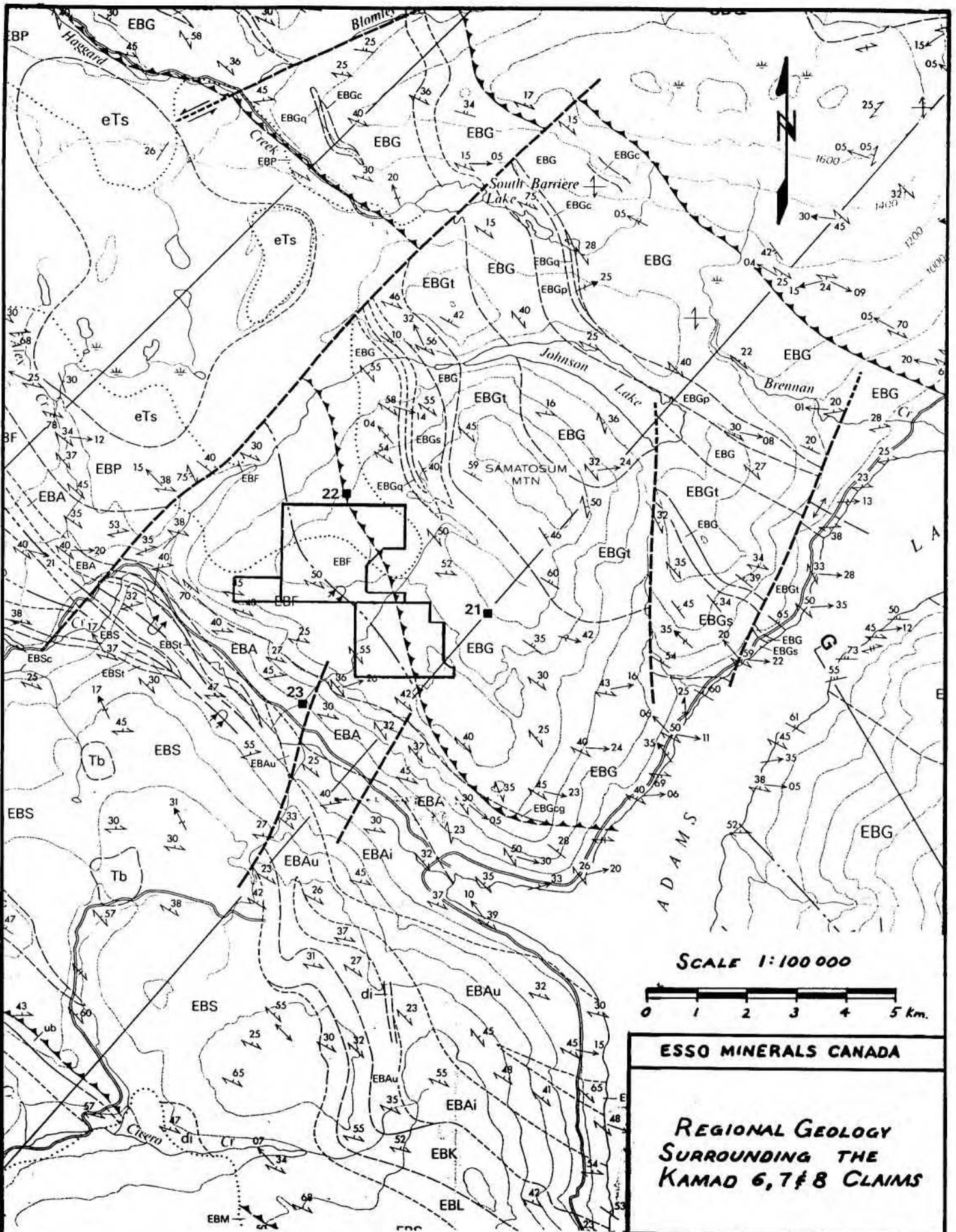
The results of this survey demonstrate the presence of several diffuse zones of low to moderately anomalous copper geochemistry. Many of these anomalies parallel surficial or drainage features and are not believed to directly reflect a bedrock source. One anomaly, extending from L89+00E, 1+70N to L86+00E, 1+25N, parallels the regional stratigraphic trend and warrants additional geological, geophysical and geochemical followup.

GEOLOGICAL SETTING Kamad 7 Claim

Regional Geology

The Adams Lake - Johnson Lake district overlies much of the Devonian to Mississippian age Eagle Bay Formation. These rocks consist of a series of moderately deformed volcano-sedimentary packages, metamorphosed to a lower-middle Greenschist regime. Regional lithologic trends are generally to the north-northeast, with moderate easterly dips. Supracrustal lithologies are intruded by a series of Cretaceous age diorites and granodiorites. All units are unconformably overlain by Pliocene age olivine basaltic flows.

The Eagle Bay formation has been affected by several deformational events, including isoclinal west-northwest plunging folding, repeated normal and reverse fault activity, and by late, broad to



SCALE 1:100 000



ESSO MINERALS CANADA

**REGIONAL GEOLOGY
SURROUNDING THE
KAMAD 6, 7 & 8 CLAIMS**

| | |
|----------------------|----------------------|
| Project No. MA07 | Mining Div. KAMLOOPS |
| NTS: 82M/4 | Drawn by: MTR |
| Date: SEPT. 17, 1986 | Fig No. 2 |

NOTE: GEOLOGY IS TAKEN FROM B.C.M.E.M.P.R. PRELIMINARY MAP No. 56 COMPILED BY PAUL SCHIARIZZA & V.A. PRETO.

LEGEND (FOR FIGURE 2)

UPPER TRIASSIC AND LOWER JURASSIC NICOLA GROUP (?)

UPPER TRIASSIC OR LOWER JURASSIC

TJv AUGITE PORPHYRY BRECCIA

UPPER TRIASSIC

Tl DARK GREY LIMESTONE

DEVONIAN TO PERMIAN

ALLOCHTHONOUS INTERNALLY IMBRICATED OCEANIC ASSEMBLAGE

FENNELL FORMATION

UPPER STRUCTURAL DIVISION

uFb GREY AND GREEN PILLOWED AND MASSIVE META-BASALT; MINOR AMOUNTS OF BASALTIC BRECCIA, TUFF, DIABASE, GABBRO, AND CHERT

uFc GREY AND GREEN BEDDED CHERT

LOWER STRUCTURAL DIVISION

IFc GREY AND GREEN BEDDED CHERT, CHERTY ARGILLITE, SLATE, AND PHYLLITE

IFb GREY AND GREEN PILLOWED AND MASSIVE META-BASALT; MINOR AMOUNTS OF BASALTIC BRECCIA AND TUFF

IFg GABBRO, DIORITE, DIABASE

IFp LIGHT TO MEDIUM GREY QUARTZ-FELDSPAR PORPHYRY RHYOLITE

IFs LIGHT TO DARK GREY SANDSTONE, SILTSTONE, SLATE, PHYLLITE, AND QUARTZITE; MINOR AMOUNTS OF LIMESTONE AND CHERT; IN PLACES INCLUDES GREY TO GREEN QUARTZOSE AND FELDSPATHIC PHYLLITE (METATUFF)

IFcg INTRAFORMATIONAL CONGLOMERATE; CLASTS DERIVED EXCLUSIVELY FROM FENNELL FORMATION LITHOLOGIES

IFu UNDIVIDED; MAINLY IFc, IFg, and IFb, BUT MAY INCLUDE ANY OR ALL OF ABOVE ROCK TYPES

LEGEND (CONT.)

DEVONO-MISSISSIPPIAN AND OLDER PARAUTOCHTHONOUS ROCKS (EBP TO SDQ)

EAGLE BAY FORMATION (EBP TO EBG)

MISSISSIPPIAN

EBP DARK GREY PHYLLITE AND SLATE WITH INTER-BEDDED SILTSTONE, SANDSTONE, AND GRIT; MINOR AMOUNTS OF CONGLOMERATE, LIMESTONE, AND METATUFF; **EBPI**-LIMESTONE; **EBPv**-METAVOLCANIC BRECCIA AND TUFF

DEVONIAN AND/OR MISSISSIPPIAN

EBF LIGHT TO MEDIUM GREY, RUSTY WEATHERING FELDSPATHIC PHYLLITE AND FRAGMENTAL PHYLLITE DERIVED FROM INTERMEDIATE TO FELSIC TUFF AND VOLCANIC BRECCIA; MINOR AMOUNTS OF DARK GREY PHYLLITE AND SILTSTONE; **EBFq**-LIGHT GREY MASSIVE "CHERTY QUARTZITE" (SILICEOUS EXHALITE?)

DEVONIAN

EBA LIGHT SILVERY GREY TO MEDIUM GREENISH GREY SERICITE-QUARTZ PHYLLITE AND SERICITE-CHLORITE-QUARTZ PHYLLITE DERIVED FROM FELSIC TO INTERMEDIATE VOLCANIC AND VOLCANICLASTIC ROCKS INCLUDING PYRITIC, FELDSPATHIC, AND COARSELY FRAGMENTAL VARIETIES; LESSER AMOUNTS OF DARK GREY PHYLLITE, SILTSTONE, AND GREEN CHLORITIC PHYLLITE; INCLUDES BIOTITE-FELDSPAR-QUARTZ SCHIST AND GNEISS, BIOTITE-QUARTZ HORNFELS AND AMPHIBOLITE ADJACENT TO BALDY BATHOLITH; **EBAf**-FELDSPAR PORPHYRY, FELDSPATHIC PHYLLITE, PYRITIC SERICITE-FELDSPAR-QUARTZ PHYLLITE, METAVOLCANIC BRECCIA; **EBAi**-SERICITIC QUARTZO-FELDSPATHIC SCHIST AND GNEISS DERIVED FROM FELSIC INTRUSIVE ROCKS; **EBAu**-UNDIVIDED EBA and EBAi

DEVONIAN (?) AND/OR OLDER (?) (UNITS EBU TO EBG)

EBU LIGHT TO DARK GREEN CHLORITIC PHYLLITE, DARK GREY PHYLLITE AND SILTSTONE, LIMESTONE, QUARTZITE

EBM GREY AND GREEN VESICULAR AND PILLOWED METABASALT, GREENSTONE, CHLORITE SCHIST; MINOR AMOUNTS OF BEDDED CHERT, SILICEOUS PHYLLITE AND FINE-GRAINED QUARTZITE

EBK BANDED LIGHT GREY AND GREEN ACTINOLITE-QUARTZ SCHIST AND EPIDOTE-ACTINOLITE-QUARTZ ROCK; LESSER AMOUNTS OF GARNET-EPIDOTE SKARN, CHLORITIC SCHIST, AND SERICITE-QUARTZ SCHIST

DEVONIAN (?) AND/OR OLDER (?) (UNITS EBU TO EBG) (CONTINUED)

EBL CALCAREOUS BLACK PHYLLITE, DARK GREY LIMESTONE AND ARGILLACEOUS LIMESTONE

EBS GREY AND GREEN PHYLLITIC SANDSTONE AND GRIT, PHYLLITE, AND QUARTZITE; LESSER AMOUNTS OF LIMESTONE, DOLOSTONE, GREEN CHLORITIC PHYLLITE, SERICITE-QUARTZ PHYLLITE, AND FELDSPATHIC SERICITE-QUARTZ PHYLLITE; **EBSq**-LIGHT GREY TO WHITE QUARTZITE; **EBSc**-LIMESTONE, DOLOSTONE, MARBLE; **EBSb**-GREENSTONE, PILLOWED METABASALT, CHLORITIC PHYLLITE; **EBSg**-CONGLOMERATE; **EBSp**-GREY PHYLLITE AND SILTSTONE; **EBSr**-SIDERITE-SERICITE-QUARTZ PHYLLITE AND FELDSPATHIC PHYLLITE (METATUFF); **EBSa**-PYRITIC SERICITE-QUARTZ PHYLLITE AND CHLORITOID-SERICITE-QUARTZ PHYLLITE

EBG MEDIUM TO DARK GREEN CALCAREOUS CHLORITE SCHIST AND FRAGMENTAL SCHIST DERIVED LARGELY FROM MAFIC TO INTERMEDIATE VOLCANIC AND VOLCANICLASTIC ROCKS; LESSER AMOUNTS OF LIMESTONE AND DOLOSTONE; MINOR AMOUNTS OF QUARTZITE, GREY PHYLLITE, AND SERICITE-QUARTZ PHYLLITE; **EBGc**-LIMESTONE, DOLOSTONE, MARBLE; **EBGt**-TSHINAKIN LIMESTONE MEMBER-MASSIVE, LIGHT GREY FINELY CRYSTALLINE LIMESTONE AND DOLOSTONE; **EBGs**-DARK TO LIGHT GREY SILICEOUS AND/OR GRAPHITIC PHYLLITE, CALCAREOUS PHYLLITE, LIMESTONE, CALC-SILICATE, CHERT QUARTZITE; MINOR AMOUNTS OF GREEN CHLORITIC PHYLLITE AND SERICITE-QUARTZ PHYLLITE; **EBGq**-LIGHT TO MEDIUM GREY QUARTZITE; **EBGp**-DARK GREY PHYLLITE, CALCAREOUS PHYLLITE AND LIMESTONE; MINOR AMOUNTS OF RUSTY WEATHERING CARBONATE-SERICITE-QUARTZ PHYLLITE (METATUFF?); **EBGcg**-POLYMICTIC CONGLOMERATE

SPAPILEM CREEK-DEADFALL CREEK SUCCESSION (SDQ)

LOWER CAMBRIAN (?) AND/OR HADRYNIAN (?)

SDQ LIGHT TO DARK GREY QUARTZITE, MICACEOUS QUARTZITE, GRIT, AND PHYLLITE; LESSER AMOUNTS OF CALCAREOUS PHYLLITE, CARBONATE, AND GREEN CHLORITIC SCHIST; NORTHEASTERN EXPOSURES INCLUDE STAUROLITE-GARNET-MICA SCHIST, CALC-SILICATE SCHIST, AND AMPHIBOLITE

LEGEND (CONT.)

TERTIARY OR QUATERNARY

Tb OLIVINE BASALT

MIOCENE OR PLIOCENE

mTb PLATEAU LAVA: OLIVINE BASALT

EOCENE

KAMLOOPS GROUP

eTs SKULL HILL FORMATION AND RELATED ROCKS:
ANDESITE AND BASALT; INCLUDES MINOR AMOUNTS
OF MUDSTONE AND SHALE IN THE VICINITY OF
ALEX AND HAGGARD CREEKS

eTc CHU CHUA FORMATION: SANDSTONE, SHALE,
CONGLOMERATE, COAL

CRETACEOUS OR TERTIARY

qp QUARTZ-FELDSPAR PORPHYRY

CRETACEOUS

BALDY BATHOLITH, RAFT BATHOLITH, AND RELATED
ROCKS

Kg GRANITE AND GRANODIORITE

AGE UNKNOWN

di FOLIATED DIORITE, QUARTZ DIORITE, AND GABBRO

ub SERPENTINITE

LATE DEVONIAN

Dgn GRANITE AND GRANODIORITE ORTHOGNEISS; Dgnp
INCLUDES SILLIMANITE-BEARING PARAGNEISS

LEGEND (CONT.)

SYMBOLS

| | |
|--|--|
| GEOLOGICAL CONTACT: DEFINED, APPROXIMATE, ASSUMED | |
| BEDDING, TOP KNOWN: INCLINED, OVERTURNED | |
| BEDDING, TOP UNKNOWN: HORIZONTAL, INCLINED, VERTICAL | |
| FACING DIRECTION OF PILLOWED BASALT: INCLINED, OVERTURNED | |
| SYNMETAMORPHIC SLATY CLEAVAGE, SCHISTOSITY, OR GNEISSOSITY: HORIZONTAL, INCLINED, VERTICAL | |
| MINERAL LINEATION | |
| POSTMETAMORPHIC CRENULATION CLEAVAGE: INCLINED, VERTICAL | |
| CRENULATION LINEATION | |
| MESOSCOPIC FOLD AXIS: SYNMETAMORPHIC, POSTMETAMORPHIC, LATE KINK | |
| AXIAL TRACE OF SYNMETAMORPHIC FOLD: OVERTURNED ANTCLINE, OVERTURNED SYNCLINE; ESTABLISHED, INFERRED | |
| AXIAL TRACE OF POSTMETAMORPHIC FOLD: ANTIFORM, SYNFORM | |
| LATER (SYN OR POSTMETAMORPHISM) WEST TO SOUTHWESTERLY DIRECTED THRUST FAULT; TEETH ON UPPER PLATE: DEFINED, APPROXIMATE, ASSUMED | |
| EARLY (PRE FOLDING AND METAMORPHISM) EASTERLY DIRECTED THRUST FAULT; TEETH ON UPPER PLATE: DEFINED, APPROXIMATE, ASSUMED | |
| FAULT: DOT ON DOWNTHROWN SIDE, ARROWS INDICATE SENSE OF STRIKE SLIP MOVEMENT: DEFINED, APPROXIMATE, ASSUMED | |
| CONODONT FOSSIL LOCALITY: MISSISSIPPIAN, PENNSYLVANIAN, PERMIAN | |
| LOCATION OF RADIOMETRICALLY DATED SAMPLE (Pb/U ON ZIRCONS AND Rb/Sr WHOLE ROCK): INDICATE A DEVONIAN AGE FOR UNIT EBA AND FOR UNIT IFp | |
| MINERAL OCCURRENCE | |
| LIMIT OF GEOLOGICAL MAPPING OR OUTCROP | |
| LINE OF GEOLOGICAL CROSS-SECTION | |
| TOPOGRAPHICAL CONTOUR (200-METRE INTERVAL) | |

open, north trending folds.

The belt is known to host numerous mineral occurrences many of which are believed to be a stratiform polymetallic volcanogenic variety. The location of several of these in addition to the regional geology and structure are provided on Figure 2. Significant advances in understanding the structure, stratigraphy and economic potential of the belt have been made by Schiarizza and Preto (1984), Goutier et al, (1985), Hoy and Goutier (1986) and White (1985).

Property Geology

Based on the limited available 1985 drill information, the Kamad 7 claims are overlain by an inverted lithologic sequence which includes, from older to younger:

1. A highly to moderately altered series of mafic pyroclastics hosting the stratigraphic footwall to the mineralized zone.
2. An exhalitive chert and fine grained clastic horizon is laterally equivalent to the massive sulphide lenses, developed on the Rea Gold and Kamad 7 properties.
3. Intermediate volcanic flows, pyroclastics and heterolithic wackes and conglomerates, form the stratigraphic hanging wall to the zone.

All units trend 130 - 135 degrees and dip 40 - 45 degrees northeast. Bedding is subparallel

to foliation suggesting either an inverted homoclinal sequence or an isoclinally folded one.

1986 Geochemical Survey Kamad 7

Grid Preparation

Preparatory to the soil geochemical survey, 17.2 line kilometers of cut and chained grid, with 25 meter stations, were placed over much of the Kamad 7 claim. This work was performed by professional contractors, Amex Exploration Services Ltd. Grid work was initiated June 5 and completed June 25, 1986. Amex's invoice for this work is provided in Appendix I.

The orientation and position of the grid baseline was established by a preliminary field check of the regional structure and geology across the claim boundaries. A baseline orientation of 132° (magnetic) with the baseline cutting the north central portions of the Kamad 7 property, maximized local geological constraints. Grid control was maintained through principle physiographic and cultural features and as well, was tied to the Kamad 7 boundary previously established through a British Columbia Legal Survey. The grid location map and claim

boundaries are shown at a scale of 1:5000 on Map 1 (Back Pocket). This grid map was later superimposed on a 1:2500 scale photogrammetrically prepared topographic base, Map 2 (Back Pocket).

Geochemical Survey

A "B" horizon soil geochemical survey was run over the entire grid area. This survey was designed to detect potentially anomalous zones of soil geochemistry related to massive sulphide development at depth. Sample collection was done by third and fourth year geology students hired by ERC for summer employment. These individuals were shown, by the author, in the field, the form, type and significance of A₀, A₁, B and C soil horizons and instructed as to their recognition and characteristics.

Samples were collected with a mattock and trowel with the average depth to B horizon ranging from 10 to 20 centimeters. Substantial organic accumulations and low ground were seldom encountered during this survey.

A bulk sample of approximately 30 kilograms of hematitic B horizon was collected, homogenized and check samples were periodically inserted with survey samples as a test of analytical quality. Significant analytical deviations did not occur between the

repeated control samples.

Four hundred and eighty-one soil samples were collected prior to the June 27, 1985 record dates for the Kamad 6, 7 and 8 claims. Certificates of analysis for these samples, as well as all others collected after that date are included in Appendix II, Certificates of Analysis.

All samples were analysed by Eco-Tech Laboratories Ltd. of Kamloops. A complete description of their laboratory procedures and a cost estimate are given in Appendix III.

RESULTS OF 1986 COPPER
GEOCHEMICAL SURVEY - KAMAD 7

Copper geochemical values were plotted onto their 25 meter station coordinates and then compiled on a 1:2500 scale topographic base map.

Anomalous values for this element were determined from a cumulative frequency histogram of all copper geochemical values. Inflection points in this histogram defined two anomalous populations at 45 and 80 ppm intervals, respectively. Using these values as principle intervals, the complete data set was contoured. Contoured copper geochemistry for the grid area is provided by Map 2 (Back Pocket).

The process of contouring produced several areas of low to moderately anomalous copper geochemistry

across much of the Kamad 7 claim.

Discussion of Results

Although several anomalous zones are defined on Map 2 (Back Pocket) several of these anomalies show only weak relations to bedrock trends or to the projection of the Rea Gold stratigraphy. In several cases the influence of surficial drainages, on this highly mobile element, are clearly noted. Overall, the generally low levels of copper in the surficial environment over the Kamad 7 claim, downgrades the significance of most of these anomalies.

Previously documented massive sulphide occurrences in the immediate area of the subject claims, have been found to contain only minor copper mineralization. The low levels of copper geochemistry documented in this report support this metallogenetic trend.

One anomalous zone does display a close correlation to regional stratigraphic trends and may be related to a bedrock source. This anomaly extends through L89+00E, 1+70N to L86+00E, 1+25N and carries a maximum value of 100 ppm copper.

Conclusions

The 1986 copper geochemical soil survey conducted across the Kamad 7 property produces only low to

moderately anomalous copper geochemical values in B horizon soils. Most of these anomalies appear to be related to surficial features and do not reflect a bedrock source for this mineral.

One anomaly, with over 300 meters of strike length parallels regional stratigraphic trends and may have a bedrock source. This anomaly warrants additional geochemical and geophysical followup, to further assess its potential.

STATEMENT OF COSTS

Regarding charges for grid preparation and geochemistry:

1. Grid preparation: Subsequent to placement of the Kamad 7 grid, the eastern boundary of the Kamad 7 block was clarified through the discovery of some of the earlier Kam 1-24 claim posts. The movement in claim boundaries shifted 1.8 kilometers of grid onto the Twin 3 ground. Although invoiced for 19 km's of grid work, assessment credit is sought only for 17.2 km's of grid preparation. Amex's invoice is adjusted in the Statement of Cost at a rate of \$305.88/line km.
2. Soil geochemistry: Four elements were analyzed for, but only one is documented in this report. Geochemical analytical charges are prorated, for a single element, at approximately one quarter the cost for all four, i.e. \$1.10 for Cu alone. The 481 samples collected prior to June 27, 1985, are the only samples used for assessment credit.

STATEMENT OF COSTS

| | |
|---|--------------|
| Grid preparation, 17.2 km's cut and chained grid, Amex Exploration, Appendix I. | \$5 261.08 |
| Cost of Copper analysis by Eco-Tech Labs, 1.10/sample for 481 soil samples, Appendix III. | 528.00 |
| Cost of sample collection by M. Reed and B. Hardy, \$0.65/sample for 481 samples | 312.65 |
| Field supplies, kraft sample bags, notebooks, mylar | 45.00 |
| Drafting, data compilation and geochemical contouring by M. Reed, three days at \$108.50/day | 325.50 |
| One day report preparation by J. Oliver @ \$245.00/day | 245.00 |
| Typing and reproductive charges | 51.00 |
| Report reproduction | <u>59.00</u> |
| Total Assessment Credit | \$6 827.23 |

STATEMENT OF QUALIFICATIONS

I, JIM L. OLIVER, of the City of Kamloops, Province of British Columbia, DO HEREBY CERTIFY THAT:

1. I am a Project Geologist with Esso Resources Canada, with a business office at 4377 Karindale Road, Kamloops, British Columbia V2C 1Z3.
2. I hold a combined degree, Bachelor of Science, Honors Geology and Geophysics, granted by the University of British Columbia, 1982; with a Master of Science in Geology by Queen's University, 1985.
3. I have actively practised my profession as a geologist for the past seven years.

Pregraduate work experience includes base and precious metal exploration in British Columbia and the Yukon (1979-1981).

Postgraduate experience includes exploration for gold and base metals in Ontario, the South-western United States and in British Columbia (1982-1986). Terms of employment have been held with:

| | |
|-------------------------------|-------------|
| The Ontario Geological Survey | Summer 1983 |
| Roxmark Mines | Winter 1983 |
| Falconbridge Copper | Summer 1984 |
| Spirax Geoservices | Winter 1984 |
| Esso Minerals | Summer 1985 |
| Labyrinth Exploration | Winter 1985 |

4. I supervised all aspects of a geochemical survey carried out on the Kamad property between June 5 and June 26, 1986; and wrote this report documenting the results.
5. I own no direct, indirect or contingent interest in any of the subject claims, nor shares in, or securities of Kamad Silver Corporation.

Jim L. Oliver

Jim L. Oliver MSc.

BIBLIOGRAPHY

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Mineral Deposits of the Birk Creek Area: An
introduction to a metallogenetic study of the
Adam's Plateau - Clearwater Area (82M); B. C.
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Geological Fieldwork, 1984 Paper 1985-1, p. 67-76.
- Hoy, T. and Goutier, F. (1985): Rea Gold (Hilton)
and Homestake Volcanogenic Sulphide - Barite
Deposits, Southeastern British Columbia, 82M/4W;
B. C. Ministry of Energy, Mines and Pet.
Res., Geological Fieldwork, 1985; Paper 1986-1.
- Preto, V. A. and Schiarizza, P. A. (1985): Geology
of the Adams Plateau Clearwater Area; B. C.
Ministry of Energy Mines and Pet. Res., Prelim
Map 56., Scale 1:100,000.
- White, G. P. E. (1985): Hilton Massive Sulphide
Showing (Rea Gold), Johnson Creek - Adams
Lake area (82M/4W); B. C. Ministry of Energy,
Mines and Pet. Res., Geological Fieldwork,
1984, Paper 1985-1 p. 77-83.

APPENDIX I

AMEX EXPLORATION LTD.

Invoices

①

July 1st, 1986

ESSO MINERALS CANADA LIMITED
 1600 - 409 Granville Street
 Vancouver, British Columbia
 V6C 1T2

ATTENTION: MR. JACK MARR

STATEMENT OF ACCOUNT

Re: 25 Meter grid control (19km), KAMAD 7
 Mineral Claim, Homestake Creek Area,
 Kamloops Mining Division. This work
 was completed during the period June 5th
 to June 25th, 1986

AMEX FEES

| | |
|--|-------------------|
| 24 man days @ \$118.40/day (Includes Wages, UIC, HP, WC, CPP) | \$2,841.60 |
| Power Saw 2 days @ \$30/day | 60.00 |
| Board and Accommodation 24man days @ \$23.36/day | 560.00 |
| Vehicles 12 days @ \$45/day | 540.00 |
| Gasoline (Including Power Saws) | 287.06 |
| Flagging & Tyvek Stations | 83.00 |
| Profit & Insurances 24 days @ \$60/day | 1,440.00 ✓ |
| | <u>\$5,811.66</u> |


Recording assessment work, June 25th, 1986,
 ON \$6,800 KAMAD 6,7 & 8
 AMEX CHEQUE NO. 0389



TOTAL REQUESTED

340.00
\$6,151.66

Respectfully submitted,


 A. A. ABLETT, PRESIDENT
 AMEX EXPLORATION SERVICES LTD.

APPROVED FOR PAYMENT

BY 

CHARGE 

AAA/dlp

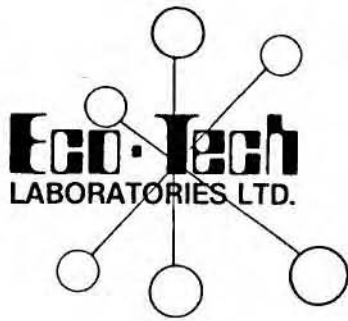
86 - 39

MAC 7 - 

APPENDIX II

ECO-TECH LABORATORIES LTD.

Certificates of Analysis



June 24, 1986

CERTIFICATE OF ANALYSIS ETK 86-47


CLIENT: Esso Minerals Canada
1600 - 409 Granville Street
VANCOUVER, B. C.
V6C 1T2

ATTENTION: Mr. Jack Marr

SAMPLE IDENTIFICATION: 178 soil samples received June 11, 1986 for
geochemical analysis

PROJECT: KAMAD 7 - MA07

| <u>ET#</u> | <u>Description</u> | <u>Ag (ppm)</u> | <u>Cu (ppm)</u> | <u>Pb (ppm)</u> | <u>Zn (ppm)</u> |
|------------|--------------------|-----------------|-----------------|-----------------|-----------------|
| 47-1 | K798 | .9 | 19 | 55 | 355 |
| -2 | K799 | .8 | 19 | 65 | 344 |
| -3 | K7100 | .4 | 31 | 23 | 65 |
| -4 | 1 | .7 | 23 | 23 | 89 |
| -5 | 2 | .5 | 40 | 28 | 66 |
| 47-6 | 3 | .8 | 15 | 20 | 98 |
| -7 | 4 | .9 | 29 | 26 | 106 |
| -8 | K7105 | .7 | 25 | 19 | 60 |
| -9 | 6 | .9 | 27 | 20 | 71 |
| -10 | 7 | .6 | 11 | 12 | 71 |
| 47-11 | 8 | 1.1 | 23 | 22 | 65 |
| -12 | 9 | .4 | 19 | 16 | 82 |
| -13 | K7110 | .6 | 23 | 21 | 116 |
| -14 | 11 | .4 | 25 | 19 | 101 |
| -15 | 12 | .4 | 10 | 14 | 45 |
| 47-16 | 13 | .9 | 29 | 19 | 142 |
| -17 | 14 | 1.0 | 19 | 18 | 116 |
| -18 | K7115 | .8 | 54 | 106 | 186 |
| -19 | 16 | .6 | 12 | 12 | 77 |
| -20 | 17 | .7 | 16 | 18 | 72 |


Thomas J. Fletcher, Chief Assayer

| <u>ET#</u> | <u>Description</u> | <u>Ag (ppm)</u> | <u>Cu (ppm)</u> | <u>Pb (ppm)</u> | <u>Zn (ppm)</u> |
|------------|--------------------|-----------------|-----------------|-----------------|-----------------|
| 47-21 | 18 | .9 | 9 | 43 | 122 |
| -22 | 19 | .7 | 10 | 15 | 116 |
| -23 | K7120 | 1.0 | 48 | 26 | 109 |
| -24 | 21 | .8 | 42 | 21 | 94 |
| -25 | 22 | .7 | 24 | 17 | 90 |
| 47-26 | 23 | .7 | 16 | 18 | 68 |
| -27 | 24 | .5 | 9 | 11 | 95 |
| -28 | K7125 | .6 | 35 | 18 | 69 |
| -29 | 26 | .6 | 16 | 14 | 84 |
| -30 | 27 | .8 | 17 | 20 | 72 |
| 47-31 | 28 | .8 | 9 | 20 | 60 |
| -32 | 29 | .6 | 16 | 17 | 83 |
| -33 | K7130 | .8 | 31 | 21 | 100 |
| -34 | 31 | .5 | 18 | 11 | 85 |
| -35 | 32 | .9 | 24 | 16 | 82 |
| 47-36 | 33 | .4 | 29 | 17 | 69 |
| -37 | 34 | 1.1 | 10 | 33 | 72 |
| -38 | K7135 | .5 | 11 | 23 | 65 |
| -39 | 36 | .9 | 6 | 19 | 45 |
| -40 | 37 | .6 | 25 | 26 | 78 |
| 47-41 | 38 | .9 | 21 | 26 | 52 |
| -42 | 39 | .4 | 10 | 17 | 44 |
| -43 | K7140 | .4 | 23 | 25 | 65 |
| -44 | 41 | .3 | 4 | 21 | 45 |
| -45 | 42 | .4 | 13 | 17 | 57 |
| 47-46 | 43 | .9 | 32 | 26 | 61 |
| -47 | 44 | .6 | 11 | 23 | 78 |
| -48 | K7145 | .5 | 9 | 21 | 71 |
| -49 | 46 | .4 | 28 | 29 | 134 |
| -50 | 47 | 2.1 | 78 | 35 | >1000 |
| 47-51 | 48 | 1.2 | 52 | 198 | 489 |
| -52 | 49 | .5 | 16 | 30 | 145 |
| -53 | K7150 | .5 | 18 | 26 | 145 |
| -54 | 51 | 1.0 | 71 | 50 | 134 |
| -55 | 52 | .4 | 35 | 21 | 84 |

| <u>ET#</u> | <u>Description</u> | <u>Ag (ppm)</u> | <u>Cu (ppm)</u> | <u>Pb (ppm)</u> | <u>Zn (ppm)</u> |
|------------|--------------------|-----------------|-----------------|-----------------|-----------------|
| 47-56 | 53 | .3 | 59 | 55 | 94 |
| -57 | 54 | .9 | 24 | 25 | 55 |
| -58 | K7155 | .4 | 7 | 20 | 48 |
| -59 | 56 | .3 | 21 | 18 | 45 |
| -60 | 57 | .6 | 13 | 15 | 54 |
| 47-61 | 58 | .6 | 34 | 40 | 122 |
| -62 | 59 | 1.5 | 38 | 51 | 193 |
| -63 | K7160 | .7 | 34 | 39 | 173 |
| -64 | 61 | .6 | 75 | 19 | 117 |
| -65 | 62 | 1.3 | 9 | 40 | 146 |
| 47-66 | 63 | .8 | 6 | 75 | 107 |
| -67 | 64 | .9 | 11 | 55 | 132 |
| -68 | K7165 | 1.1 | 29 | 80 | 248 |
| -69 | 66 | .9 | 24 | 99 | 170 |
| -70 | 67 | .5 | 28 | 47 | 172 |
| 47-71 | 68 | .5 | 18 | 48 | 85 |
| -72 | 69 | .5 | 3 | 16 | 24 |
| -73 | K7170 | .7 | 74 | 37 | 132 |
| -74 | 71 | .7 | 19 | 12 | 42 |
| -75 | 72 | .8 | 9 | 19 | 54 |
| 47-76 | 73 | .7 | 9 | 12 | 35 |
| -77 | 74 | .6 | 17 | 21 | 52 |
| -78 | K7175 | .5 | 27 | 15 | 80 |
| -79 | 76 | .8 | 8 | 23 | 54 |
| -80 | 77 | .9 | 11 | 19 | 58 |
| 47-81 | 78 | 1.1 | 9 | 27 | 62 |
| -82 | 79 | 1.3 | 19 | 153 | 317 |
| -83 | K7180 | .9 | 18 | 42 | 217 |
| -84 | 81 | .9 | 72 | 170 | 565 |
| -85 | 82 | 1.0 | 42 | 69 | 256 |
| 47-86 | 83 | .8 | 15 | 26 | 105 |
| -87 | 84 | 1.5 | 32 | 32 | 88 |
| -88 | K7200 | .4 | 12 | 16 | 71 |
| -89 | 1 | .4 | 20 | 23 | 78 |
| -90 | 2 | .5 | 26 | 21 | 45 |

| <u>ET#</u> | <u>Description</u> | <u>Ag (ppm)</u> | <u>Cu (ppm)</u> | <u>Pb (ppm)</u> | <u>Zn (ppm)</u> |
|------------|--------------------|-----------------|-----------------|-----------------|-----------------|
| 47-91 | 3 | .7 | 22 | 24 | 64 |
| -92 | 4 | .4 | 10 | 19 | 53 |
| -93 | K7205 | .6 | 18 | 27 | 88 |
| -94 | 6 | 1.0 | 22 | 25 | 87 |
| -95 | 7 | .8 | 28 | 22 | 66 |
| 47-96 | 8 | .3 | 27 | 27 | 73 |
| -97 | 9 | .4 | 10 | 17 | 45 |
| -98 | K7210 | .6 | 17 | 20 | 89 |
| -99 | 11 | .4 | 15 | 18 | 81 |
| -100 | 12 | .6 | 14 | 24 | 82 |
| 47-101 | 13 | .3 | 26 | 15 | 98 |
| -102 | 14 | .4 | 7 | 17 | 52 |
| -103 | K7215 | .7 | 52 | 36 | 163 |
| -104 | 16 | 1.1 | 17 | 30 | 221 |
| -105 | 17 | .5 | 12 | 21 | 93 |
| 47-106 | 18 | .4 | 31 | 24 | 156 |
| -107 | 19 | .4 | 25 | 24 | 88 |
| -108 | K7220 | .6 | 13 | 21 | 122 |
| -109 | 21 | .8 | 15 | 21 | 56 |
| -110 | 22 | .4 | 42 | 18 | 60 |
| 47-111 | 23 | .4 | 8 | 5 | 33 |
| -112 | 24 | .4 | 6 | 5 | 47 |
| -113 | K7225 | .3 | 14 | 7 | 46 |
| -114 | 26 | .2 | 6 | 10 | 37 |
| -115 | 27 | .6 | 14 | 12 | 73 |
| 47-116 | 28 | .4 | 34 | 26 | 84 |
| -117 | 29 | .6 | 9 | 27 | 60 |
| -118 | K7230 | 1.5 | 7 | 56 | 112 |
| -119 | 31 | 1.5 | 18 | 43 | 167 |
| -120 | 32 | 2.4 | 40 | 33 | 141 |
| 47-121 | 33 | .6 | 9 | 10 | 72 |
| -122 | 34 | .6 | 15 | 14 | 65 |
| -123 | K7235 | .5 | 12 | 10 | 74 |
| -124 | 36 | .5 | 27 | 15 | 89 |
| -125 | 37 | .5 | 15 | 18 | 84 |

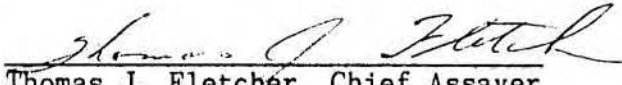
| <u>ET#</u> | <u>Description</u> | <u>Ag (ppm)</u> | <u>Cu (ppm)</u> | <u>Pb (ppm)</u> | <u>Zn (ppm)</u> |
|------------|--------------------|-----------------|-----------------|-----------------|-----------------|
| 47-126 | 38 | .4 | 26 | 20 | 115 |
| -127 | 39 | .6 | 7 | 17 | 77 |
| -128 | K7240 | .4 | 7 | 11 | 59 |
| -129 | 41 | .4 | 10 | 12 | 58 |
| -130 | 42 | .6 | 7 | 12 | 61 |
| 47-131 | 43 | .5 | 8 | 17 | 45 |
| -132 | 44 | .5 | 7 | 13 | 71 |
| -133 | K7245 | .4 | 7 | 8 | 37 |
| -134 | 46 | .5 | 11 | 12 | 68 |
| -135 | 47 | 1.0 | 29 | 18 | 82 |
| 47-136 | 48 | 1.4 | 31 | 21 | 78 |
| -137 | 49 | .3 | 6 | 10 | 56 |
| -138 | K7250 | .6 | 11 | 13 | 110 |
| -139 | 51 | .3 | 8 | 13 | 37 |
| -140 | 52 | .5 | 2 | 9 | 38 |
| 47-141 | 53 | .7 | 8 | 17 | 69 |
| -142 | 54 | .5 | 20 | 25 | 101 |
| -143 | K7255 | .7 | 8 | 12 | 81 |
| -144 | 56 | 1.3 | 35 | 23 | 475 |
| -145 | 57 | 2.6 | 36 | 116 | 456 |
| 47-146 | 58 | 3.1 | 61 | 682 | 445 |
| -147 | 59 | .8 | 12 | 50 | 90 |
| -148 | K7260 | .5 | 49 | 30 | 84 |
| -149 | 61 | .7 | 16 | 13 | 48 |
| -150 | 62 | .4 | 8 | 12 | 41 |
| 47-151 | 63 | .8 | 12 | 14 | 57 |
| -152 | 64 | .8 | 16 | 13 | 49 |
| -153 | K7265 | .5 | 35 | 18 | 78 |
| -154 | 66 | .5 | 11 | 20 | 65 |
| -155 | 67 | 1.6 | 19 | 25 | 65 |
| 47-156 | 68 | .7 | 22 | 26 | 80 |
| -157 | 69 | .6 | 20 | 59 | 108 |
| -158 | K7270 | .6 | 6 | 27 | 87 |
| -159 | 71 | .5 | 32 | 52 | 148 |
| -160 | 72 | 4.1 | 37 | 85 | 515 |

June 24, 1986

| <u>ET#</u> | <u>Description</u> | <u>Ag (ppm)</u> | <u>Cu (ppm)</u> | <u>Pb (ppm)</u> | <u>Zn (ppm)</u> |
|------------|--------------------|-----------------|-----------------|-----------------|-----------------|
| 47-161 | 73 | 1.6 | 57 | 116 | 220 |
| -162 | 74 | 1.8 | 15 | 110 | 129 |
| -163 | K7275 | 2.3 | 23 | 82 | 138 |
| -164 | 76 | 2.3 | 12 | 79 | 128 |
| -165 | 77 | 4.9 | 100 | 74 | >1000 |
| 47-166 | 78 | 1.1 | 23 | 50 | 170 |
| -167 | 79 | 1.7 | 34 | 108 | 185 |
| -168 | K7280 | 1.0 | 38 | 110 | 148 |
| -169 | 81 | 1.0 | 8 | 24 | 80 |
| -170 | 82 | 1.1 | 8 | 15 | 67 |
| 47-171 | 83 | .8 | 13 | 22 | 123 |
| -172 | 84 | .9 | 5 | 10 | 35 |
| -173 | K7285 | .7 | 26 | 13 | 55 |
| -174 | 86 | .5 | 70 | 23 | 72 |
| -175 | 87 | .5 | 16 | 7 | 63 |
| 47-176 | 88 | .6 | 8 | 13 | 66 |
| -177 | 89 | .8 | 15 | 62 | 328 |
| -178 | K7290 | .8 | 14 | 56 | 325 |

NOTE: > = greater than

Page 6 of 6


 Thomas J. Fletcher, Chief Assayer

TJF/mil

cc: Esso Minerals Canada
 Kamloops, B. C.
 Attn: Jim Oliver, Project Geologist

ENVIRONMENTAL TESTING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ASSAYING



10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 2J3 — Telephone (604) 573-5700 Telex 048-8393

DATE June 26 19 86

Attention: Jack Marr/Jim Oliver

CLIENT

Esso Resources Canada Limited

1600 - 409 Granville Street

VANCOUVER, B. C. V6C 1T2

INVOICE NO. ETK 86-47

| DESCRIPTION | AMOUNT |
|--|-------------------------|
| <u>Re: P. O. No. 02-L-295927 (Kamad 7-MA07)</u> | |
| 178 sets (Ag/Cu/Pb/Zn) SOIL GEOCHEMS @ \$4.35 ea. (as per quote of March 17/86) | \$ <u>774</u> <u>30</u> |
| TOTAL DUE AND PAYABLE UPON RECEIPT | |

TERMS: Net 30 days. Interest at the rate of 1½% per month (18% per annum) may be charged on overdue accounts.

KAMLOOPS — CALGARY — BURNABY



ENVIRONMENTAL TESTING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ASSAYING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 2J3 Phone (604) 573-5700
Telex: 048-8393

June 24, 1986
Reissued July 11/86

CERTIFICATE OF ANALYSIS ETK 86-53

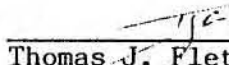
CLIENT: Esso Minerals Canada
1600 - 409 Granville Street
VANCOUVER, B. C.
V6C 1T2

ATTENTION: Mr. Jack Marr

SAMPLE IDENTIFICATION: 156 soil samples received June 13, 1986 for
geochemical analysis

PROJECT: KAMAD 7 - MA07

| <u>ET#</u> | <u>Description</u> | <u>Ag (ppm)</u> | <u>Cu (ppm)</u> | <u>Pb (ppm)</u> | <u>Zn (ppm)</u> |
|------------|--------------------|-----------------|-----------------|-----------------|-----------------|
| 53-1 | K7185 | .9 | 13 | 24 | 48 |
| 2 | 86 | .5 | 14 | 22 | 60 |
| 3 | 87 | .3 | 14 | 17 | 53 |
| 4 | 88 | .6 | 7 | 14 | 49 |
| 5 | 89 | .6 | 6 | 19 | 40 |
| 53-6 | K7190 | .7 | 12 | 15 | 49 |
| 7 | 91 | .5 | 14 | 19 | 81 |
| 8 | 92 | .5 | 17 | 14 | 62 |
| 9 | 93 | .4 | 11 | 16 | 64 |
| 10 | 94 | .5 | 14 | 23 | 52 |
| 53-11 | K7195 | .8 | 15 | 14 | 71 |
| 12 | 96 | .7 | 16 | 20 | 104 |
| 13 | 97 | .5 | 26 | 25 | 129 |
| 14 | 98 | 1.1 | 41 | 43 | 69 |
| 15 | 99 | 1.1 | 21 | 534 | 325 |
| 53-16 | K7291 | .5 | 31 | 25 | 62 |
| 17 | 92 | .9 | 19 | 73 | 108 |
| 18 | 93 | 1.1 | 12 | 90 | 105 |
| 19 | 94 | .4 | 25 | 60 | 123 |
| 20 | 95 | 1.2 | 22 | 46 | 125 |


Thomas J. Fletcher, Chief Assayer

| <u>ET#</u> | <u>Description</u> | <u>Ag (ppm)</u> | <u>Cu (ppm)</u> | <u>Pb (ppm)</u> | <u>Zn (ppm)</u> |
|------------|--------------------|-----------------|-----------------|-----------------|-----------------|
| 53-21 | K7296 | 1.4 | 36 | 40 | 231 |
| 22 | 97 | 1.3 | 21 | 45 | 154 |
| 23 | 98 | 1.6 | 10 | 21 | 63 |
| 24 | 99 | 1.1 | 8 | 18 | 46 |
| 25 | K7300 | .4 | 7 | 10 | 53 |
| 53-26 | 1 | 1.0 | 7 | 17 | 70 |
| 27 | 2 | .8 | 9 | 10 | 59 |
| 28 | 3 | .5 | 11 | 14 | 60 |
| 29 | 4 | .3 | 13 | 18 | 51 |
| 30 | K7305 | .6 | 10 | 14 | 60 |
| 53-31 | 6 | .9 | 15 | 21 | 47 |
| 32 | 7 | .3 | 12 | 12 | 51 |
| 33 | 8 | .9 | 9 | 13 | 64 |
| 34 | 9 | .4 | 26 | 22 | 99 |
| 35 | K7310 | .3 | 14 | 13 | 39 |
| 53-36 | 11 | .4 | 39 | 23 | 58 |
| 37 | 12 | 1.1 | 17 | 41 | 130 |
| 38 | 13 | .8 | 43 | 24 | 52 |
| 39 | 14 | .7 | 5 | 16 | 32 |
| 40 | K7315 | .5 | 8 | 21 | 48 |
| 53-41 | 16 | 2.1 | 9 | 24 | 78 |
| 42 | 17 | 1.2 | 55 | 110 | 186 |
| 43 | 18 | .8 | 17 | 28 | 52 |
| 44 | 19 | .8 | 27 | 86 | 97 |
| 45 | K7320 | .9 | 11 | 24 | 47 |
| 53-46 | 21 | 1.9 | 14 | 30 | 59 |
| 47 | 22 | .9 | 15 | 21 | 63 |
| 48 | 23 | .6 | 15 | 22 | 68 |
| 49 | 24 | .5 | 20 | 21 | 77 |
| 50 | K7325 | .9 | 27 | 18 | 69 |
| 53-51 | 26 | .7 | 7 | 14 | 49 |
| 52 | 27 | .9 | 8 | 18 | 48 |
| 53 | 28 | .8 | 5 | 19 | 74 |
| 54 | 29 | 1.5 | 35 | 52 | 128 |
| 55 | K7330 | 1.1 | 17 | 28 | 106 |

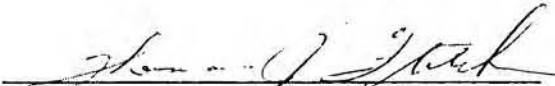
| <u>ET#</u> | <u>Description</u> | <u>Ag (ppm)</u> | <u>Cu (ppm)</u> | <u>Pb (ppm)</u> | <u>Zn (ppm)</u> |
|------------|--------------------|-----------------|-----------------|-----------------|-----------------|
| 53-56 | 31 | 1.1 | 29 | 71 | 96 |
| 57 | 32 | .7 | 42 | 42 | 129 |
| 58 | 33 | 1.5 | 80 | 98 | 473 |
| 59 | 34 | 1.8 | 20 | 57 | 130 |
| 60 | K7335 | 1.4 | 8 | 38 | 70 |
| 53-61 | 36 | 1.9 | 52 | 169 | 291 |
| 62 | 37 | 1.0 | 63 | 207 | 261 |
| 63 | 38 | .9 | 64 | 145 | 275 |
| 64 | 39 | 7.6 | 21 | 155 | 531 |
| 65 | K7340 | 2.7 | 100 | 316 | 314 |
| 53-66 | 41 | 1.1 | 19 | 60 | 94 |
| 67 | 42 | 2.0 | 22 | 80 | 139 |
| 68 | 43 | 4.5 | 19 | 202 | 204 |
| 69 | 44 | 3.2 | 18 | 77 | 145 |
| 70 | K7345 | 1.7 | 19 | 107 | 119 |
| 53-71 | 46 | 1.7 | 30 | 105 | 152 |
| 72 | 47 | 1.1 | 16 | 39 | 124 |
| 73 | 48 | 1.3 | 78 | 104 | 239 |
| 74 | 49 | .8 | 44 | 104 | 206 |
| 75 | K7350 | .9 | 17 | 27 | 55 |
| 53-76 | 51 | .6 | 17 | 43 | 116 |
| 77 | 52 | .6 | 22 | 33 | 58 |
| 78 | 53 | .6 | 28 | 64 | 130 |
| 79 | 54 | .8 | 16 | 61 | 117 |
| 80 | K7355 | 1.9 | 21 | 47 | 209 |
| 53-81 | 56 | 1.0 | 14 | 50 | 109 |
| 82 | 57 | .7 | 18 | 53 | 59 |
| 83 | 58 | .6 | 14 | 22 | 39 |
| 84 | 59 | 1.1 | 14 | 23 | 58 |
| 85 | K7360 | .4 | 27 | 20 | 67 |
| 53-86 | 61 | .9 | 42 | 27 | 68 |
| 87 | 62 | .7 | 19 | 16 | 70 |
| 88 | 63 | .8 | 56 | 349 | 269 |
| 89 | 64 | .8 | 12 | 20 | 83 |
| 90 | K7365 | 1.0 | 18 | 70 | 122 |

| <u>ET#</u> | <u>Description</u> | <u>Ag (ppm)</u> | <u>Cu (ppm)</u> | <u>Pb (ppm)</u> | <u>Zn (ppm)</u> |
|------------|--------------------|-----------------|-----------------|-----------------|-----------------|
| 53-91 | 66 | .9 | 22 | 246 | 47 |
| 92 | 67 | 1.6 | 9 | 66 | 43 |
| 93 | 68 | .8 | 21 | 131 | 92 |
| 94 | 69 | .8 | 84 | 170 | 273 |
| 95 | K7370 | .8 | 23 | 66 | 127 |
| 53-96 | 71 | .8 | 24 | 60 | 83 |
| 97 | 72 | 1.0 | 47 | 158 | 159 |
| 98 | 73 | 1.1 | 15 | 44 | 124 |
| 99 | 74 | 4.1 | 29 | 175 | 196 |
| 100 | K7375 | 4.1 | 27 | 109 | 163 |
| 53-101 | 76 | 2.7 | 52 | 110 | 210 |
| 102 | 77 | .6 | 62 | 18 | 74 |
| 103 | 78 | 1.5 | 54 | 390 | 160 |
| 104 | 79 | 1.0 | 23 | 500 | 320 |
| 105 | K7380 | 2.1 | 24 | 77 | 668 |
| 53-106 | 81 | 1.9 | 18 | 44 | 91 |
| 107 | 82 | 2.3 | 65 | 251 | 246 |
| 108 | 83 | 1.9 | 10 | 39 | 53 |
| 109 | 84 | 2.1 | 31 | 98 | 212 |
| 110 | K7385 | 1.3 | 78 | 110 | 172 |
| 53-111 | K7400 | 1.0 | 18 | 93 | 99 |
| 112 | 1 | 1.1 | 32 | 164 | 239 |
| 113 | 2 | 1.2 | 36 | 93 | 171 |
| 114 | 3 | .9 | 37 | 104 | 283 |
| 115 | 4 | 1.5 | 20 | 62 | 103 |
| 53-116 | K7405 | 1.0 | 60 | 100 | 139 |
| 117 | 6 | 1.1 | 10 | 32 | 60 |
| 118 | 7 | 1.2 | 9 | 50 | 69 |
| 119 | 8 | .6 | 46 | 50 | 98 |
| 120 | 9 | 1.2 | 16 | 32 | 59 |
| 53-121 | K7410 | 1.0 | 12 | 23 | 41 |
| 122 | 11 | 1.2 | 13 | 18 | 48 |
| 123 | 12 | 1.0 | 32 | 31 | 78 |
| 124 | 13 | .6 | 20 | 72 | 127 |
| 125 | 14 | 2.1 | 37 | 229 | 249 |

June 24, 1986

| <u>ET#</u> | <u>Description</u> | <u>Ag (ppm)</u> | <u>Cu (ppm)</u> | <u>Pb (ppm)</u> | <u>Zn (ppm)</u> |
|------------|--------------------|-----------------|-----------------|-----------------|-----------------|
| 53-126 | K7415 | .7 | 13 | 75 | 113 |
| 127 | 16 | .7 | 32 | 101 | 144 |
| 128 | 17 | 1.6 | 16 | 33 | 96 |
| 129 | 18 | 1.2 | 26 | 37 | 95 |
| 130 | 19 | .7 | 22 | 39 | 89 |
| 53-131 | K7420 | 1.0 | 24 | 41 | 60 |
| 132 | 21 | .7 | 20 | 23 | 79 |
| 133 | 22 | .6 | 38 | 30 | 84 |
| 134 | 23 | .9 | 18 | 25 | 72 |
| 135 | 24 | .6 | 13 | 22 | 83 |
| 53-136 | K7425 | 1.3 | 22 | 488 | 323 |
| 137 | 26 | .6 | 5 | 21 | 16 |
| 138 | 27 | 1.1 | 22 | 33 | 74 |
| 139 | 28 | 1.3 | 20 | 36 | 140 |
| 140 | 29 | 2.2 | 25 | 29 | 99 |
| 53-141 | K7430 | 1.1 | 25 | 50 | 145 |
| 142 | 31 | 1.4 | 29 | 109 | 280 |
| 143 | 32 | 2.5 | 45 | 31 | 110 |
| 144 | 33 | 1.0 | 23 | 49 | 173 |
| 145 | 34 | 1.8 | 20 | 36 | 68 |
| 53-146 | K7435 | .7 | 9 | 23 | 34 |
| 147 | 36 | .7 | 29 | 29 | 80 |
| 148 | 37 | .6 | 62 | 35 | 81 |
| 149 | 38 | 1.0 | 13 | 24 | 44 |
| 150 | 39 | 1.1 | 7 | 16 | 28 |
| 53-151 | K7440 | 1.2 | 66 | 150 | 237 |
| 152 | 41 | 1.3 | 25 | 72 | 87 |
| 153 | 42 | .7 | 58 | 39 | 92 |
| 154 | 43 | 1.6 | 18 | 140 | 54 |
| 155 | 44 | 1.5 | 43 | 113 | 163 |
| 53-156 | K7445 | 1.3 | 24 | 488 | 286 |

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 Thomas J. Fletcher, Chief Assayer

TJF/mil

cc: Esso Minerals Canada
 Kamloops, B. C.
 Attn: Jim Oliver, Project Geologist



ENVIRONMENTAL TESTING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ASSAYING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 2J3 Phone (604) 573-5700
Telex: 048-8393

June 26, 1986

CERTIFICATE OF ANALYSIS ETK 86-65

CLIENT: Esso Minerals Canada
1600 - 409 Granville Street
VANCOUVER, B. C.
V6C 1T2

ATTENTION: Mr. Jack Marr

SAMPLE IDENTIFICATION: 125 soil samples received June 18, 1986 for
geochemical analysis

PROJECT: KAMAD 7 - MA07

| <u>ET#</u> | <u>Description</u> | <u>Ag (ppm)</u> | <u>Cu (ppm)</u> | <u>Pb (ppm)</u> | <u>Zn (ppm)</u> |
|------------|--------------------|-----------------|-----------------|-----------------|-----------------|
| 65-1 | K7386 | 1.3 | 15 | 31 | 58 |
| -2 | 87 | 1.2 | 29 | 60 | 120 |
| -3 | 88 | .7 | 44 | 90 | 139 |
| -4 | 89 | .7 | 166 | 150 | 389 |
| -5 | 90 | .6 | 89 | 279 | 176 |
| 65-6 | K7391 | .4 | 38 | 46 | 121 |
| -7 | 92 | .4 | 7 | 26 | 97 |
| -8 | 93 | .4 | 54 | 105 | 176 |
| -9 | 94 | .3 | 11 | 18 | 77 |
| -10 | 95 | .9 | 17 | 26 | 142 |
| 65-11 | K7396 | .5 | 19 | 17 | 70 |
| -12 | 97 | .7 | 26 | 19 | 87 |
| -13 | 98 | .7 | 27 | 29 | 63 |
| -14 | 99 | .4 | 36 | 32 | 82 |
| -15 | K7400 | .5 | 82 | 28 | 90 |
| 65-16 | K7446 | 1.1 | 19 | 350 | 96 |
| -17 | 47 | 1.5 | 66 | 64 | 123 |
| -18 | 48 | .5 | 55 | 85 | 212 |
| -19 | 49 | .7 | 36 | 43 | 107 |
| -20 | 50 | .7 | 18 | 22 | 56 |

| <u>ET#</u> | <u>Description</u> | <u>Ag (ppm)</u> | <u>Cu (ppm)</u> | <u>Pb (ppm)</u> | <u>Zn (ppm)</u> |
|------------|--------------------|-----------------|-----------------|-----------------|-----------------|
| 65-21 | K7451 | .5 | 65 | 73 | 130 |
| -22 | 52 | .5 | 32 | 33 | 68 |
| -23 | 53 | .8 | 22 | 15 | 51 |
| -24 | 54 | .6 | 20 | 35 | 112 |
| -25 | 55 | .5 | 37 | 55 | 94 |
| 65-26 | K7456 | .8 | 17 | 442 | 240 |
| -27 | 57 | .5 | 15 | 23 | 44 |
| -28 | 58 | .4 | 10 | 23 | 61 |
| -29 | 59 | .7 | 12 | 28 | 75 |
| -30 | 60 | .9 | 37 | 119 | 179 |
| 65-31 | K7461 | .5 | 43 | 117 | 141 |
| -32 | 62 | .8 | 56 | 129 | 197 |
| -33 | 63 | .7 | 20 | 22 | 46 |
| -34 | 64 | .8 | 73 | 64 | 133 |
| -35 | 65 | .8 | 7 | 28 | 48 |
| 65-36 | K7466 | .3 | 31 | 18 | 79 |
| -37 | 67 | .4 | 39 | 52 | 98 |
| -38 | 68 | .9 | 43 | 95 | 176 |
| -39 | 69 | 1.9 | 34 | 110 | 218 |
| -40 | 70 | 2.0 | 23 | 116 | 153 |
| 65-41 | K7471 | 1.0 | 75 | 135 | 155 |
| -42 | 72 | 1.3 | 51 | 237 | 230 |
| -43 | 73 | .9 | 17 | 44 | 125 |
| -44 | 74 | 1.4 | 24 | 132 | 196 |
| -45 | 75 | .6 | 25 | 109 | 79 |
| 65-46 | K7476 | .7 | 38 | 79 | 104 |
| -47 | 77 | .4 | 24 | 64 | 73 |
| -48 | 78 | .8 | 23 | 47 | 102 |
| -49 | 79 | .6 | 34 | 51 | 150 |
| -50 | 80 | .8 | 50 | 217 | 218 |
| 65-51 | K7481 | .7 | 27 | 21 | 94 |
| -52 | 82 | 1.1 | 48 | 30 | 64 |
| -53 | 83 | 4.1 | 25 | 62 | 198 |
| -54 | 84 | 1.8 | 9 | 39 | 93 |
| -55 | 85 | 3.4 | 44 | 163 | 198 |


| <u>ET#</u> | <u>Description</u> | <u>Ag (ppm)</u> | <u>Cu (ppm)</u> | <u>Pb (ppm)</u> | <u>Zn (ppm)</u> |
|------------|--------------------|-----------------|-----------------|-----------------|-----------------|
| 65-56 | K7486 | .7 | 22 | 29 | 63 |
| -57 | 87 | 1.0 | 17 | 528 | 286 |
| -58 | 88 | .9 | 20 | 90 | 139 |
| -59 | 89 | .7 | 44 | 89 | 158 |
| -60 | 90 | .7 | 38 | 107 | 159 |
| 65-61 | K7491 | .6 | 37 | 114 | 120 |
| -62 | 92 | .5 | 31 | 24 | 91 |
| -63 | 93 | 1.1 | 6 | 53 | 144 |
| -64 | 94 | .9 | 31 | 114 | 229 |
| -65 | 95 | 1.1 | 33 | 70 | 183 |
| 65-66 | K7496 | .6 | 57 | 52 | 120 |
| -67 | 97 | 1.7 | 15 | 72 | 121 |
| -68 | 98 | .7 | 18 | 67 | 115 |
| -69 | 99 | 1.6 | 47 | 75 | 206 |
| -70 | 500 | 1.2 | 35 | 70 | 154 |
| 65-71 | K7501 | .5 | 11 | 47 | 110 |
| -72 | 2 | 1.2 | 10 | 37 | 107 |
| -73 | 3 | 2.4 | 42 | 330 | 415 |
| -74 | 4 | .6 | 25 | 30 | 105 |
| -75 | 5 | 1.2 | 67 | 80 | 167 |
| 65-76 | K7506 | 1.1 | 6 | 18 | 26 |
| -77 | 7 | 1.4 | 45 | 88 | 218 |
| -78 | 8 | .9 | 10 | 25 | 73 |
| -79 | 9 | .4 | 35 | 40 | 77 |
| -80 | 10 | .6 | 41 | 117 | 188 |
| 65-81 | K7511 | .6 | 21 | 25 | 96 |
| -82 | 12 | .7 | 41 | 25 | 71 |
| -83 | 13 | .6 | 4 | 10 | 27 |
| -84 | 14 | 1.0 | 64 | 62 | 85 |
| -85 | 15 | 1.0 | 8 | 19 | 38 |
| 65-86 | K7516 | .8 | 43 | 76 | 141 |
| -87 | 17 | 1.0 | 15 | 434 | 239 |
| -88 | 18 | 1.7 | 19 | 23 | 51 |
| -89 | 19 | 1.1 | 10 | 20 | 96 |
| -90 | 20 | 1.2 | 55 | 104 | 196 |

| <u>ET#</u> | <u>Description</u> | <u>Ag (ppm)</u> | <u>Cu (ppm)</u> | <u>Pb (ppm)</u> | <u>Zn (ppm)</u> |
|------------|--------------------|-----------------|-----------------|-----------------|-----------------|
| 65-91 | K7521 | .6 | 62 | 100 | 187 |
| -92 | 22 | .5 | 24 | 29 | 109 |
| -93 | 23 | .5 | 56 | 85 | 196 |
| -94 | 24 | .9 | 27 | 50 | 85 |
| -95 | 25 | 1.0 | 47 | 44 | 107 |
| 65-96 | K7526 | 1.3 | 28 | 46 | 91 |
| -97 | 27 | .8 | 27 | 30 | 77 |
| -98 | 28 | .4 | 33 | 115 | 149 |
| -99 | 29 | 2.4 | 49 | 86 | 142 |
| -100 | 30 | 3.6 | 79 | 149 | 145 |
| 65-101 | K7531 | .5 | 28 | 24 | 84 |
| -102 | 32 | .6 | 32 | 52 | 89 |
| -103 | 33 | .7 | 24 | 40 | 77 |
| -104 | 34 | .5 | 15 | 20 | 57 |
| -105 | 35 | .6 | 64 | 30 | 87 |
| 65-106 | K7536 | .6 | 59 | 45 | 105 |
| -107 | 37 | 1.0 | 50 | 90 | 169 |
| -108 | 38 | .7 | 27 | 64 | 209 |
| -109 | 39 | .9 | 98 | 92 | 205 |
| -110 | 40 | 1.6 | 25 | 77 | 102 |
| 65-111 | K7541 | .6 | 21 | 36 | 75 |
| -112 | 42 | 1.8 | 395 | 558 | 500 |
| -113 | 43 | .8 | 20 | 118 | 175 |
| -114 | 44 | .4 | 43 | 41 | 79 |
| -115 | 45 | .8 | 20 | 24 | 56 |
| 65-116 | K7546 | .8 | 19 | 444 | 271 |
| -117 | 47 | 1.4 | 15 | 25 | 32 |
| -118 | 48 | 1.4 | 24 | 34 | 34 |
| -119 | 49 | .5 | 56 | 30 | 97 |
| -120 | 50 | .6 | 26 | 58 | 93 |
| 65-121 | K7551 | .9 | 27 | 44 | 140 |
| -122 | 52 | .9 | 52 | 90 | 144 |
| -123 | 53 | .7 | 70 | 108 | 140 |
| -124 | 54 | .7 | 32 | 81 | 231 |
| -125 | 55 | .6 | 15 | 24 | 93 |

June 26, 1986

| <u>ET#</u> | <u>Description</u> | <u>Ag (ppm)</u> | <u>Cu (ppm)</u> | <u>Pb (ppm)</u> | <u>Zn (ppm)</u> |
|------------|--------------------|-----------------|-----------------|-----------------|-----------------|
| 65-121 | K7551 | .9 | 27 | 44 | 140 |
| -122 | 52 | .9 | 52 | 90 | 144 |
| -123 | 53 | .7 | 70 | 108 | 140 |
| -124 | 54 | .7 | 32 | 81 | 231 |
| -125 | 55 | .6 | 15 | 24 | 93 |

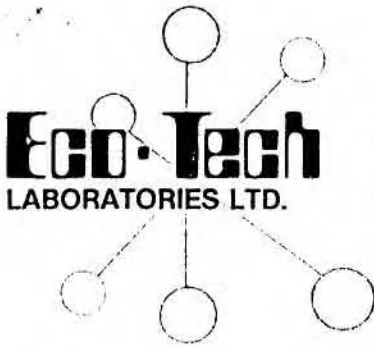
Page 4 of 5


Thomas J. Fletcher, Chief Assayer

TJF/mil

cc: Esso Minerals Canada
Kamloops, B. C.
Attn: Jim Oliver, Project Geologist

ENVIRONMENTAL TESTING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ASSAYING



Eco-Tech
LABORATORIES LTD.

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 2J3 — Telephone (604) 573-5700 Telex 048-8393

DATE June 26 19 86

Attention: Jack Marr/Jim Oliver

Esso Resources Canada Limited

CLIENT

1600 - 409 Granville Street

VANCOUVER, B. C. V6C 1T2

ETK 86-65

INVOICE NO. _____

| DESCRIPTION | AMOUNT | |
|--|--------|----|
| <p>Re: <u>P. O. No. 02-L-295927 (Kamad 7-MA07)</u></p> | | |
| <p>125 sets (Ag/Cu/Pb/Zn) SOIL GEOCHEMS @ \$4.35 ea. (as per quote of March 17/86)</p> | \$ 543 | 75 |
| <p>TOTAL DUE AND PAYABLE UPON RECEIPT</p> | | |

TERMS: Net 30 days. Interest at the rate of 1½% per month (18% per annum) may be charged on overdue accounts.

KAMLOOPS — CALGARY — BURNABY



ENVIRONMENTAL TESTING
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Telex: 048-8393

June 27, 1986

CERTIFICATE OF ANALYSIS ETK 86-70

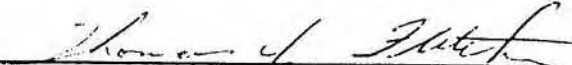
CLIENT: Esso Minerals Canada
1600 - 409 Granville Street
VANCOUVER, B. C.
V6C 1T2

ATTENTION: Mr. Jack Marr

SAMPLE IDENTIFICATION: 22 soil samples received June 24, 1986 for
geochemical analysis

PROJECT: KAMAD 7 - MA07

| <u>ET#</u> | <u>Description</u> | <u>Ag (ppm)</u> | <u>Cu (ppm)</u> | <u>Pb (ppm)</u> | <u>Zn (ppm)</u> |
|------------|--------------------|-----------------|-----------------|-----------------|-----------------|
| 70-1 | K7556 | .7 | 28 | 88 | 121 |
| -2 | 57 | .8 | 39 | 126 | 245 |
| -3 | 58 | 1.2 | 45 | 120 | 306 |
| -4 | 59 | 1.2 | 71 | 78 | 160 |
| -5 | 60 | .7 | 43 | 35 | 108 |
| 70-6 | K7561 | 1.7 | 66 | 45 | 80 |
| -7 | 62 | 1.7 | 28 | 36 | 76 |
| -8 | 63 | 1.2 | 38 | 58 | 101 |
| -9 | 64 | .9 | 47 | 55 | 98 |
| -10 | 65 | .6 | 35 | 45 | 155 |
| 70-11 | K7566 | 1.3 | 34 | 59 | 90 |
| -12 | 67 | .6 | 64 | 90 | 189 |
| -13 | 68 | .9 | 30 | 81 | 226 |
| -14 | 69 | 1.4 | 15 | 29 | 131 |
| -15 | K7570 | .6 | 131 | 147 | 317 |
| 70-16 | 71 | .5 | 38 | 120 | 185 |
| -17 | 72 | .5 | 110 | 123 | 269 |
| -18 | 73 | 1.1 | 43 | 37 | 97 |
| -19 | 74 | .9 | 51 | 49 | 149 |
| -20 | K7575 | .5 | 62 | 34 | 96 |

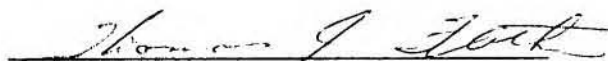

Thomas J. Fletcher, Chief Assayer

Esso Minerals Canada

June 24, 1986

| <u>ET#</u> | <u>Description</u> | <u>Ag (ppm)</u> | <u>Cu (ppm)</u> | <u>Pb (ppm)</u> | <u>Zn (ppm)</u> |
|------------|--------------------|-----------------|-----------------|-----------------|-----------------|
| 70-21 | 76 | .9 | 42 | 49 | 103 |
| -22 | 77 | .9 | 23 | 483 | 346 |

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Thomas J. Fletcher, Chief Assayer

TJF/mil

cc: Esso Minerals Canada
Kamloops, B. C.
Attn: Jim Oliver, Project Geologist

ENVIRONMENTAL TESTING
GEOCHEMISTRY
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LABORATORIES LTD.

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 2J3 — Telephone (604) 573-5700 Telex 048-8393

DATE June 26 19 86

Attention: Jack Marr/Jim Oliver

CLIENT

Esso Resources Canada Limited

1600 - 409 Granville Street

VANCOUVER, B. C. V6C 1T2

INVOICE NO. ETK 86-70

| DESCRIPTION | AMOUNT |
|---|------------------------|
| <p>Re: <u>P. O. No. 02-L-295927</u> (Kamad 7-MA07)</p> | |
| <p>22 sets (Ag/Cu/Pb/Zn) SOIL GEOCHEMS @ \$4.35 ea. (as per quote of March 17/86)</p> | <p>\$ <u>95 70</u></p> |
| <p>TOTAL DUE AND PAYABLE UPON RECEIPT</p> | |

TERMS: Net 30 days. Interest at the rate of 1½% per month (18% per annum) may be charged on overdue accounts.

KAMLOOPS — CALGARY — BURNABY



ENVIRONMENTAL TESTING
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ANALYTICAL CHEMISTRY
ASSAYING

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Telex: 048-8393

July 9, 1986

CERTIFICATE OF ANALYSIS ETK 86-76

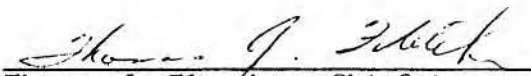
CLIENT: Esso Minerals Canada
1600 - 409 Granville Street
VANCOUVER, B. C.
V6C 1T2

ATTENTION: Mr. Jack Marr


SAMPLE IDENTIFICATION: 156 soil samples received July 3, 1986 for
geochemical analysis

PROJECT: KAMAD 7 - MA07

| <u>ET#</u> | <u>Description</u> | <u>Ag (ppm)</u> | <u>Cu (ppm)</u> | <u>Pb (ppm)</u> | <u>Zn (ppm)</u> |
|------------|--------------------|-----------------|-----------------|-----------------|-----------------|
| 76 -1 | K7578 | 1.0 | 26 | 540 | 380 |
| -2 | K7579 | 1.0 | 46 | 195 | 277 |
| -3 | K7580 | .8 | 120 | 194 | 541 |
| -4 | K7581 | .9 | 120 | 140 | 400 |
| -5 | K7582 | .9 | 40 | 70 | 280 |
| 76 -6 | K7583 | .8 | 21 | 89 | 320 |
| -7 | K7584 | .8 | 46 | 82 | 291 |
| -8 | K7585 | .5 | 34 | 67 | 228 |
| -9 | K7586 | .7 | 63 | 181 | 343 |
| -10 | K7587 | .6 | 51 | 93 | 225 |
| 76 -11 | K7588 | 1.0 | 49 | 218 | 290 |
| -12 | K7589 | 1.3 | 22 | 70 | 200 |
| -13 | K7590 | .8 | 32 | 59 | 127 |
| -14 | K7591 | 1.2 | 15 | 50 | 224 |
| -15 | K7592 | .7 | 43 | 65 | 173 |
| 76 -16 | K7593 | .6 | 41 | 43 | 187 |
| -17 | K7594 | 1.1 | 43 | 57 | 209 |
| -18 | K7595 | .8 | 23 | 43 | 227 |
| -19 | K7596 | .6 | 22 | 61 | 186 |
| -20 | K7597 | .9 | 79 | 40 | 342 |


Thomas J. Fletcher, Chief Assayer

| <u>ET#</u> | <u>Description</u> | <u>Ag (ppm)</u> | <u>Cu (ppm)</u> | <u>Pb (ppm)</u> | <u>Zn (ppm)</u> |
|------------|--------------------|-----------------|-----------------|-----------------|-----------------|
| 76 -21 | K7598 | .7 | 40 | 69 | 236 |
| -22 | K7599 | .6 | 57 | 35 | 167 |
| -23 | K7600 | .4 | 62 | 36 | 100 |
| -24 | K7601 | .6 | 54 | 42 | 144 |
| -25 | K7602 | .4 | 15 | 17 | 51 |
| 76 -26 | K7603 | .4 | 65 | 19 | 95 |
| -27 | K7604 | .6 | 41 | 30 | 83 |
| -28 | K7605 | .7 | 38 | 44 | 168 |
| -29 | K7606 | .6 | 98 | 150 | 178 |
| -30 | K7607 | 1.2 | 55 | 410 | 368 |
| 76 -31 | K7608 | .6 | 24 | 30 | 143 |
| -32 | K7609 | .5 | 24 | 34 | 134 |
| -33 | K7610 | .4 | 24 | 14 | 77 |
| -34 | K7611 | .3 | 8 | 16 | 50 |
| -35 | K7612 | .7 | 21 | 42 | 160 |
| 76 -36 | K7613 | .5 | 62 | 83 | 198 |
| -37 | K7614 | .8 | 89 | 79 | 273 |
| -38 | K7615 | .5 | 57 | 120 | 256 |
| -39 | K7616 | 1.3 | 100 | >1000 | >1000 |
| -40 | K7617 | 1.1 | 43 | 565 | 320 |
| 76 -41 | K7618 | .8 | 57 | 180 | 175 |
| -42 | K7619 | .6 | 36 | 33 | 121 |
| -43 | K7620 | .6 | 32 | 392 | 315 |
| -44 | K7621 | .7 | 29 | 57 | 238 |
| -45 | K7622 | .9 | 35 | 67 | 188 |
| 76 -46 | K7623 | .8 | 144 | 84 | 860 |
| -47 | K7624 | .8 | 30 | 177 | 225 |
| -48 | K7625 | .9 | 36 | 69 | 169 |
| -49 | K7626 | .8 | 43 | 86 | >1000 |
| -50 | K7627 | .8 | 42 | 130 | 540 |
| 76 -51 | K7628 | .9 | 71 | 108 | 265 |
| -52 | K7629 | 1.0 | 28 | 59 | 267 |
| -53 | K7630 | 10.1 | 302 | >1000 | >1000 |
| -54 | K7631 | .8 | 163 | 200 | 256 |
| -55 | K7632 | .9 | 14 | 150 | 188 |


 Thomas J. Fletcher, Chief Assayer

July 9, 1986

| <u>ET#</u> | <u>Description</u> | <u>Ag (ppm)</u> | <u>Cu (ppm)</u> | <u>Pb (ppm)</u> | <u>Zn (ppm)</u> |
|------------|--------------------|-----------------|-----------------|-----------------|-----------------|
| 76 -56 | K7633 | .8 | 45 | 111 | 186 |
| -57 | K7634 | 1.0 | 50 | 80 | 199 |
| -58 | K7635 | 1.1 | 26 | 513 | 380 |
| -59 | K7636 | 1.0 | 55 | 99 | 289 |
| -60 | K7637 | .8 | 48 | 239 | 507 |
| 76 -61 | K7638 | 1.2 | 58 | 83 | 264 |
| -62 | K7639 | .6 | 20 | 50 | 284 |
| -63 | K7640 | 1.0 | 69 | 44 | 166 |
| -64 | K7641 | .8 | 18 | 26 | 112 |
| -65 | K7642 | .6 | 30 | 14 | 81 |
| 76 -66 | K7643 | .8 | 149 | 16 | 69 |
| -67 | K7644 | .8 | 25 | 45 | 70 |
| -68 | K7645 | .6 | 20 | 51 | 64 |
| -69 | K7646 | 1.2 | 26 | 40 | 232 |
| -70 | K7647 | .8 | 33 | 66 | 200 |
| 76 -71 | K7648 | .5 | 17 | 22 | 86 |
| -72 | K7649 | .5 | 32 | 190 | 195 |
| -73 | K7650 | .8 | 32 | 159 | 310 |
| -74 | K7651 | .9 | 9 | 18 | 85 |
| -75 | K7652 | .6 | 11 | 16 | 49 |
| 76 -76 | K7653 | .9 | 11 | 15 | 79 |
| -77 | K7654 | .7 | 11 | 16 | 79 |
| -78 | K7655 | .8 | 17 | 18 | 69 |
| -79 | K7656 | .6 | 23 | 23 | 59 |
| -80 | K7657 | .7 | 14 | 16 | 56 |
| 76 -81 | K7658 | .6 | 24 | 30 | 73 |
| -82 | K7659 | 1.1 | 44 | 39 | 134 |
| -83 | K7660 | 2.2 | 21 | 44 | 133 |
| -84 | K7661 | .8 | 25 | 22 | 140 |
| -85 | K7662 | 2.3 | 65 | 30 | 89 |
| 76 -86 | K7663 | .8 | 15 | 13 | 54 |
| -87 | K7664 | .5 | 8 | 13 | 60 |
| -88 | K7665 | .8 | 24 | 16 | 141 |
| -89 | K7666 | 1.1 | 26 | 525 | 387 |
| -90 | K7667 | 1.6 | 13 | 27 | 76 |


 Thomas J. Fletcher, Chief Assayer

July 9, 1986

| <u>ET#</u> | <u>Description</u> | <u>Ag (ppm)</u> | <u>Cu (ppm)</u> | <u>Pb (ppm)</u> | <u>Zn (ppm)</u> |
|------------|--------------------|-----------------|-----------------|-----------------|-----------------|
| 76 -91 | K7668 | .6 | 13 | 16 | 75 |
| -92 | K7669 | .5 | 16 | 15 | 56 |
| -93 | K7670 | .4 | 18 | 21 | 52 |
| -94 | K7671 | .5 | 13 | 12 | 50 |
| -95 | K7672 | .9 | 21 | 21 | 72 |
| 76 -96 | K7673 | .4 | 9 | 12 | 55 |
| -97 | K7674 | .4 | 20 | 15 | 50 |
| -98 | K7675 | .5 | 8 | 15 | 49 |
| -99 | K7676 | .6 | 12 | 10 | 60 |
| -100 | K7677 | .4 | 17 | 15 | 53 |
| 76 -101 | K7678 | .8 | 12 | 19 | 58 |
| -102 | K7679 | .9 | 6 | 10 | 50 |
| -103 | K7680 | 1.3 | 24 | 25 | 88 |
| -104 | K7681 | .8 | 18 | 20 | 93 |
| -105 | K7682 | .7 | 43 | 29 | 85 |
| 76 -106 | K7683 | .6 | 22 | 18 | 65 |
| -107 | K7684 | .6 | 28 | 21 | 91 |
| -108 | K7685 | 1.0 | 26 | 20 | 68 |
| -109 | K7686 | .7 | 38 | 35 | 92 |
| -110 | K7687 | .7 | 16 | 26 | 113 |
| 76 -111 | K7688 | .9 | 35 | 24 | 62 |
| -112 | K7689 | .7 | 26 | 17 | 96 |
| -113 | K7690 | .6 | 19 | 18 | 84 |
| -114 | K7691 | .6 | 22 | 20 | 96 |
| -115 | K7692 | .7 | 32 | 26 | 127 |
| 76 -116 | K7693 | .8 | 9 | 18 | 94 |
| -117 | K7694 | .9 | 18 | 23 | 139 |
| -118 | K7695 | .6 | 22 | 19 | 91 |
| -119 | K7696 | .6 | 32 | 25 | 81 |
| -120 | K7697 | .6 | 23 | 20 | 94 |
| 76 -121 | K7698 | .6 | 21 | 22 | 44 |
| -122 | K7699 | .5 | 11 | 22 | 64 |
| -123 | K7700 | .7 | 14 | 17 | 86 |
| -124 | K7701 | .5 | 18 | 13 | 70 |
| -125 | K7702 | .6 | 18 | 12 | 55 |


Thomas J. Fletcher
 Thomas J. Fletcher, Chief Assayer

July 9, 1986

| <u>ET#</u> | <u>Description</u> | <u>Ag (ppm)</u> | <u>Cu (ppm)</u> | <u>Pb (ppm)</u> | <u>Zn (ppm)</u> |
|------------|--------------------|-----------------|-----------------|-----------------|-----------------|
| 76 -126 | K7703 | .5 | 16 | 10 | 53 |
| -127 | K7704 | .6 | 14 | 26 | 52 |
| -128 | K7705 | 1.2 | 26 | 533 | 383 |
| -129 | K7706 | .5 | 17 | 13 | 45 |
| -130 | K7707 | .5 | 22 | 18 | 63 |
| 76 -131 | K7708 | .6 | 11 | 12 | 52 |
| -132 | K7709 | .7 | 11 | 19 | 56 |
| -133 | K7710 | .4 | 20 | 15 | 56 |
| -134 | K7711 | .6 | 13 | 17 | 89 |
| -135 | K7712 | .6 | 17 | 17 | 70 |
| 76 -136 | K7713 | .7 | 16 | 20 | 89 |
| -137 | K7714 | .6 | 11 | 12 | 65 |
| -138 | K7715 | .6 | 8 | 13 | 66 |
| -139 | K7716 | .5 | 15 | 13 | 53 |
| -140 | K7717 | .6 | 21 | 18 | 92 |
| 76 -141 | K7718 | .3 | 10 | 15 | 53 |
| -142 | K7719 | .7 | 12 | 14 | 58 |
| -143 | K7720 | 1.0 | 19 | 30 | 108 |
| -144 | K7721 | 1.2 | 17 | 35 | 158 |
| -145 | K7722 | .3 | 9 | 8 | 72 |
| 76 -146 | K7723 | .8 | 11 | 15 | 84 |
| -147 | K7724 | 1.0 | 16 | 19 | 129 |
| -148 | K7725 | .7 | 19 | 16 | 96 |
| -149 | K7726 | .7 | 17 | 18 | 62 |
| -150 | K7727 | .4 | 15 | 17 | 48 |
| 76 -151 | K7728 | .5 | 15 | 15 | 39 |
| -152 | K7729 | .6 | 24 | 20 | 68 |
| -153 | K7730 | .7 | 31 | 23 | 79 |
| -154 | K7731 | .6 | 9 | 18 | 72 |
| -155 | K7732 | .7 | 17 | 27 | 142 |
| 76 -156 | K7733 | .9 | 33 | 25 | 99 |

NOTE: >= greater than

Page 5 of 5


 Thomas J. Fletcher, Chief Assayer

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cc: Esso Minerals Canada
 Kamloops, B. C.
 Attn: Jim Oliver, Project Geologist



ENVIRONMENTAL TESTING
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10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 2J3 Phone (604) 573-5700
Telex: 048-8393

July 23, 1986

CERTIFICATE OF ANALYSIS ETK 86-92

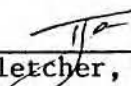
CLIENT: Esso Minerals Canada
1600 - 409 Granville Street
VANCOUVER, B. C.
V6C 1T2

ATTENTION: Mr. Jack Marr

SAMPLE IDENTIFICATION: 52 soil samples received July 18, 1986 for
geochemical analysis.

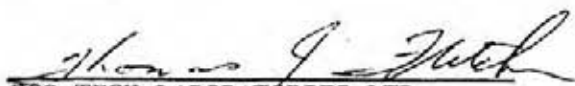
PROJECT: KAMAD MA07

| <u>ET#</u> | <u>Description</u> | <u>Ag (ppm)</u> | <u>Cu (ppm)</u> | <u>Pb (ppm)</u> | <u>Zn (ppm)</u> |
|------------|--------------------|-----------------|-----------------|-----------------|-----------------|
| 92- 1 | K7- 734 | .4 | 14 | 18 | 27 |
| 92- 2 | K7- 735 | .2 | 7 | 16 | 29 |
| 92- 3 | K7- 736 | .4 | 13 | 20 | 38 |
| 92- 4 | K7- 737 | .5 | 10 | 22 | 42 |
| 92- 5 | K7- 738 | .5 | 14 | 20 | 75 |
| 92- 6 | K7- 739 | .8 | 7 | 20 | 45 |
| 92- 7 | K7- 740 | .4 | 16 | 18 | 65 |
| 92- 8 | K7- 741 | .5 | 10 | 21 | 35 |
| 92- 9 | K7- 743 | .4 | 21 | 22 | 44 |
| 92- 10 | K7- 744 | .4 | 36 | 30 | 56 |
| 92- 11 | K7- 745 | .4 | 10 | 21 | 43 |
| 92- 12 | K7- 746 | .3 | 16 | 20 | 46 |
| 92- 13 | K7- 747 | .3 | 34 | 26 | 49 |
| 92- 14 | K7- 748 | .3 | 16 | 19 | 37 |
| 92- 15 | K7- 749 | .5 | 9 | 23 | 48 |
| 92- 16 | K7- 750 | .2 | 7 | 16 | 28 |
| 92- 17 | K7- 751 | .3 | 7 | 17 | 44 |
| 92- 18 | K7- 752 | 1.8 | 74 | 54 | 117 |
| 92- 19 | K7- 753 | .7 | 18 | 24 | 92 |
| 92- 20 | K7- 754 | .4 | 25 | 20 | 44 |


Thomas J. Fletcher, Chief Assayer

July 23, 1986

| <u>ET#</u> | <u>Description</u> | <u>Ag (ppm)</u> | <u>Cu (ppm)</u> | <u>Pb (ppm)</u> | <u>Zn (ppm)</u> |
|------------|--------------------|-----------------|-----------------|-----------------|-----------------|
| 92- 21 | K7- 755 | 1.3 | 38 | 28 | 67 |
| 92- 22 | K7- 756 | 1.1 | 23 | 480 | 354 |
| 92- 23 | K7- 757 | 1.0 | 13 | 24 | 58 |
| 92- 24 | K7- 758 | .5 | 7 | 12 | 43 |
| 92- 25 | K7- 759 | .3 | 10 | 16 | 54 |
| 92- 26 | K7- 760 | .5 | 7 | 18 | 34 |
| 92- 27 | K7- 761 | .5 | 26 | 22 | 45 |
| 92- 28 | K7- 762 | .4 | 8 | 17 | 52 |
| 92- 29 | K7- 763 | .4 | 13 | 16 | 81 |
| 92- 30 | K7- 764 | 1.2 | 15 | 18 | 129 |
| 92- 31 | K7- 765 | 6.2 | 169 | 50 | 117 |
| 92- 32 | K7- 766 | 1.2 | 21 | 490 | 328 |
| 92- 33 | K7- 767 | 3.1 | 48 | 24 | 79 |
| 92- 34 | K7- 768 | .5 | 22 | 23 | 90 |
| 92- 35 | K7- 769 | .9 | 26 | 64 | 138 |
| 92- 36 | K7- 770 | .2 | 25 | 24 | 62 |
| 92- 37 | K7- 771 | .8 | 43 | 39 | 94 |
| 92- 38 | K7- 772 | .4 | 22 | 24 | 43 |
| 92- 39 | K7- 773 | .3 | 5 | 11 | 27 |
| 92- 40 | K7- 774 | .7 | 13 | 22 | 92 |
| 92- 41 | K7- 775 | .5 | 13 | 25 | 73 |
| 92- 42 | K7- 776 | .5 | 12 | 19 | 36 |
| 92- 43 | K7- 777 | .5 | 8 | 20 | 26 |
| 92- 44 | K7- 778 | 1.0 | 19 | 23 | 46 |
| 92- 45 | K7- 779 | .6 | 13 | 22 | 46 |
| 92- 46 | K7- 780 | .8 | 15 | 27 | 54 |
| 92- 47 | K7- 781 | .8 | 22 | 24 | 38 |
| 92- 48 | K7- 782 | .4 | 24 | 22 | 51 |
| 92- 49 | K7- 785 | .7 | 17 | 25 | 54 |
| 92- 50 | K7- 786 | .3 | 26 | 38 | 52 |
| 92- 51 | K7- 787 | .6 | 9 | 17 | 31 |
| 92- 52 | K7- 788 | .6 | 9 | 14 | 29 |


 ECO-TECH LABORATORIES LTD.
 Thomas J. Fletcher, B.Sc.
 Chief Assayer

TJF/bn

cc: Jim Oliver

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APPENDIX III
GEOCHEMICAL SAMPLE PREPARATION,
AND COST ESTIMATES
Eco-Tech Laboratories Ltd.



GEOCHEMICAL LABORATORY METHODS

SAMPLE PREPARATION

1. Soil or sediment samples are dried at 60°C, the lumps of soil are broken up on a bucking board and the entire sample is sieved through an 80 mesh screen.
2. Rock samples are crushed and pulverized to -100 mesh.

GEOCHEMICAL ANALYSIS FOR Cu, Pb, Zn, Ag, Sb, Ni, Co, Cd

1.0 gram of sample is leached in 3 ml HNO₃ overnight at room temperature. The sample is brought up to 90°C in a water bath, 1.5 ml HCl is added, and the leaching is continued for a further 90 minutes. The sample is then cooled, diluted to 10 ml with distilled water and the above elements are determined by Atomic Absorption.

Minimum Reportable Concentrations

| <u>Element</u> | <u>ppm</u> |
|----------------|------------|
| Cu | 1. |
| Pb | 2. |
| Zn | 1. |
| Ag | 0.2 |
| Sb | 1. |
| Ni | 2. |
| Co | 2. |
| Cd | 0.02 |

GEOCHEMICAL ANALYSIS FOR Au

The gold is collected in a silver bead through inquartation and conventional fire assaying of 10 grams of material. The bead is digested in aqua regia in a water bath at 90°C, the gold is then extracted into MIBK and determined by Atomic Absorption.

Minimum Reportable Concentration 5 ppb



ENVIRONMENTAL TESTING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ASSAYING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 2J3 Phone (604) 573-5700
Telex: 048-8393

QUOTATION

ESSO MINERALS CANADA

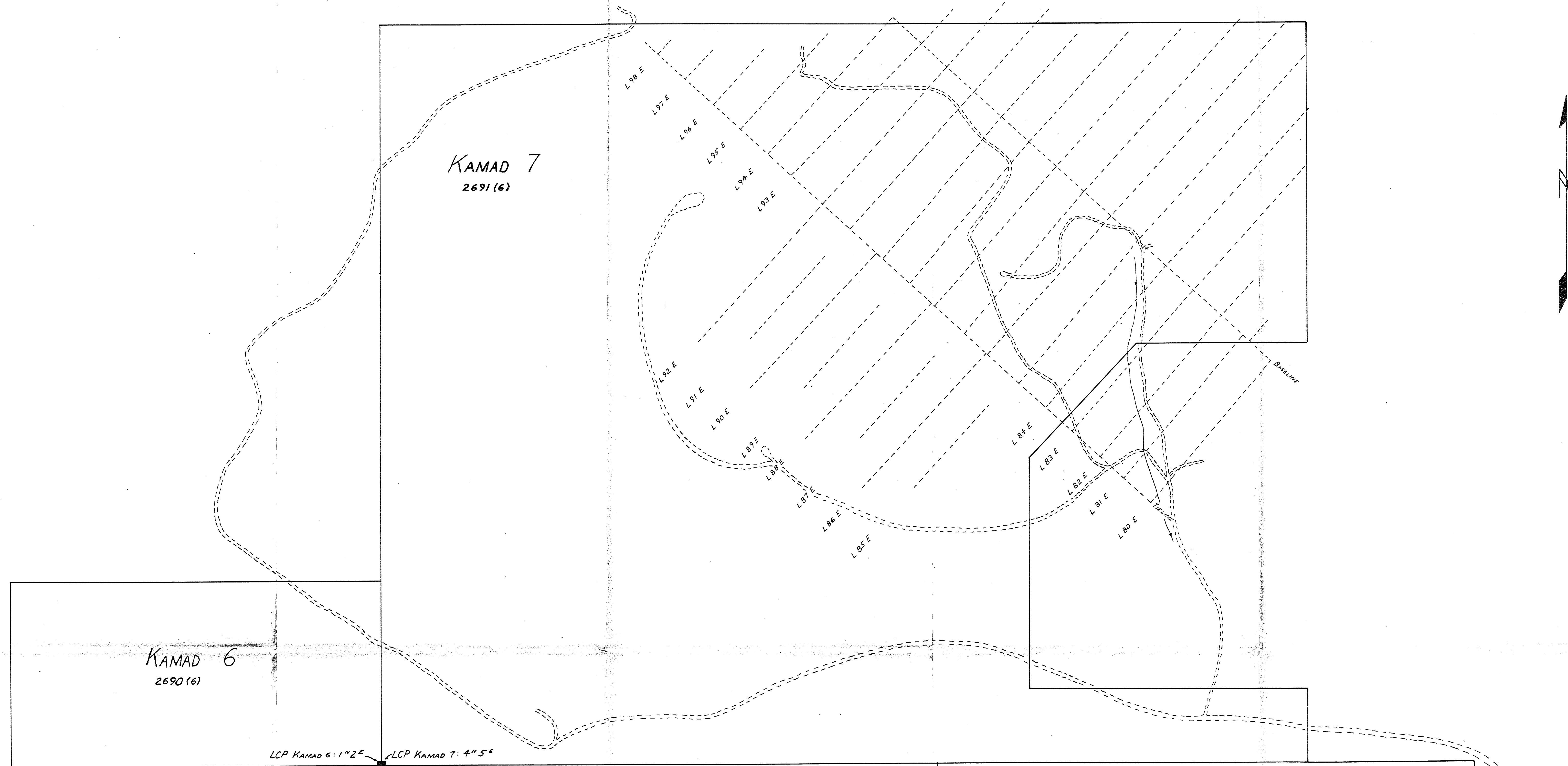
MARCH 1986

DESCRIPTION OF WORK:

Geochemical analyses on soil samples as indicated below:

| <u>Analyses</u> | <u>Cost per Sample</u> |
|---|------------------------|
| Cu; Pb; Zn; Ag | \$ 4.35 |
| plus <u>Arsenic</u> on same sample, add | 2.75 |
| plus <u>Gold</u> (Fire Assay) on same sample, add | 6.00 |
| plus <u>Barium</u> on same sample, add | 3.50 |
| Gold Alone (Fire Assay) | \$ 7.00 |
| Arsenic Alone | \$ 3.75 |
| Barium Alone | \$ 4.00 |

NOTE: Above prices include sample preparation.



KAMAD 6
2690 (6)

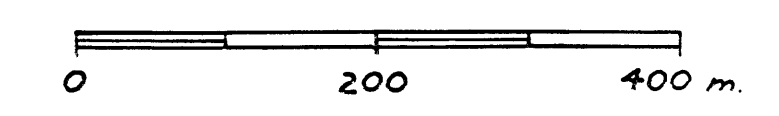
KAMAD 7
2691 (6)

KAMAD 8
2692 (6)

LCP KAMAD 6: 1° 25' E LCP KAMAD 7: 4° 5' E

LCP KAMAD 8: 4° 30' E

- LEGEND**
- CUT GRID LINES
 - ~ STREAM
 - - - - LOGGING ROAD
 - LEGAL CORNER POST
 - MINERAL CLAIM BOUNDARY



ESSO MINERALS CANADA
A DIVISION OF ESSO RESOURCES CANADA LIMITED

**GEOLOGICAL LOCATION MAP
AND CLAIM BOUNDARIES:
KAMAD 6, 7 & 8 PROPERTY**
15,154

| | |
|----------------------|---------------------------|
| SCALE: 1: 5000 | N.T.S.: 82M/4W |
| DATE: SEPT. 17, 1986 | MINING DIVISION: KAMLOOPS |
| DRAWN BY: MTR | MAP NO.: 1 |