LEGEND

INTRUSIVE ROCKS

DIOR Diorite, hornblende diorite and gabbro.

VOLCANIC AND SEDIMENTARY ROCKS

PLATEAU ASSEMBLAGE:

Pfv Massive to crudely interbedded felsic volcanic rocks including: Quartz-eye porphyry, quartz feldspar crystal tuff, lapilli tuff, lapilli breccia and bimodal debris flow Breccia.

- QEPP - Quartz Eye Porphyry
- QELT - Quartz Eye Lapilli Tuff
- QEBR - Quartz Eye Breccia
- QXTF - Quartz Crystal Tuff
- INXT - Intermediate Crystal Tuff

Par Interbedded black argillite and grey to black siltstone. Graded units common.

- ARGL - Argillite

REA ASSEMBLAGE:

Rwp Interbedded sequence of quartz pebble conglomerates, quartz wacke, lithic wacke, siltstone and graphitic argillite.

- ARGL - Argillite
- QZWK - Quartz Wacke
- LTWK - Lithic Wacke
- CONG - Conglomerate

Rrz REA ZONE - A complexly interbedded sequence of sericitic tuff, chert, chert breccia, argillite, pyritic siltite, massive sulphide and massive barite.

- ARGL - Argillite
- MSSX - Massive Sulphide/Barite
- PYST - Pyritic Siltite
- PYTF - Pyritic Tuff
- SECH - Sericitic Chert
- SETF - Sericitic Tuff
- CHER - Massive Grey Chert
- CHTF - Cherty Tuff

Rsz SILVER ZONE - A structural repetition of the Rea Zone (see above for lithologies).

- ARGL - Argillite
- IBCA - Interbedded Chert and Argillite
- LMST - Limestone
- PYST - Pyritic Siltite
- PYTF - Pyritic Tuff
- SECH - Sericitic Chert
- SETF - Sericitic Tuff
- CHER - Massive Grey Chert
- CHTF - Cherty Tuff

Rma Pervasively ankeritized Rmv.

Rms Pervasively sericitized Rmv.

Rmv Mafic volcanic rocks comprised of massive to pillowed flows, lapilli tuffs and breccias and mafic derived sediments.

- MATF - Mafic Ash Tuff
- MFTF - Mafic Tuff (General)
- MFLT - Mafic Lapilli Tuff
- MFBR - Mafic Breccia, Lapilli breccia, Agglomerate
- MFFL - Mafic Flow (General)
- PLBS - Pillow Basalt Flow
- PPBS - Plagioclase Phyric Basalt
- MFVL - Mafic Volcanic (General)
- HORN - Hornfelsed Mafic Volcanics

GEOLOGICAL SYMBOLS

- Geological Contact (known, inferred).
- Fault (dip and sense of movement indicated).
- Thrust fault (known inferred).
- Fold axis (anticline).
- Fold axis (syncline).
- Foliation attitude.
- Bedding attitude.
- Inverted bedding.
- Mineral Occurrence
- Vein System.
- Exploration adit.
- Waste dump/tailing.
- Trench.
- Diamond drill hole.
- Claim Boundary.

REVISIONS

By	Date	Approv. By

ESSO MINERALS CANADA

KAMAD PROPERTY

KAMAD 7 GEOLOGY

0 25 50 100m Scale 1:2500

To accompany a report by D. Heberlein.

Project No: 107/117	Report No: MA07 c.906
Mining Div: Kamloops	NTS: 82M/4W
Survey By:	Drafted By:
Date: Oct 1988	Map No 2

KAMAD 3

Tieline 17N

Baseline 10N

Acacia Creek

Delores Creek

Semi-massive sulphide layers				
	Cu	Pb	Zn	Ag
ppm	739	2	46	0.2

Stratiform massive sulphide layer				
	Cu	Pb	Zn	Ag
	1205	26	54	0.6

Quartz-ankerite vein				
	Cu	Pb	Zn	Ag
ppm	541	2461	7850	12.3

Massive sulphide stringers				
	Cu	Pb	Zn	Ag
ppm	2563	896	276	13.1

Massive sphalerite				
Cu	Pb	Zn	Ag	
0.01%	0.04%	10.2%	5.5ppm	
Banded sphalerite/pyrite				
0.04%	0.11%	1.45%	3.8ppm	
Sphalerite and galena bearing calcite vein				
0.02%	18.57%	6.65%	160.6ppm	

Quartz vein in quartz wacke				
Cu	Pb	Zn	Ag	
0.01%	6.43%	16.82%	34.5ppm	

Quartz vein in quartz wacke				
Cu	Pb	Zn	Ag	
0.01%	0.03%	4.52%	6.5ppm	

Quartz-calcite vein				
Cu	Pb	Zn	Ag	
0.06%	0.23%	1.25%	4.5ppm	

NORTH ADIT

SOUTH ADIT

A1 A2 A3 A4 A5 A6 A7 A8

LEGEND

INTRUSIVE ROCKS:

6 Monzonite, Syenite.

MONZ Monzonite

VOLCANIC AND SEDIMENTARY ROCKS:

5 Quartz Wacke and Minor Argillite

QTZT Quartzite
QZWK Quartz Wacke
GEWK Greywacke
SLTS Siltstone
GRAR Graphitic Argillite
SEPH Sericitic Phyllite
AKSS Ankerite Sericite Schist

4 Ankeritic Mafic Volcanics

CLSS Chlorite Sericite Schist
CLSH Chlorite Schist
AKMV Ankeritic Mafic Volcanic
MLTF Mafic Lapilli Tuff
MAFV Mafic Volcanic (Undifferentiated)

3 Calcareous Argillites

CHER Chert
CHAR Cherty Argillite
ARGL Argillite
CARG Calcareous Argillite
GRAR Graphitic Argillite
GRWK Greywacke

2 Calcareous Mafic Volcanics

CLSS Chlorite Sericite Schist
CLSH Chlorite Schist
CAMV Calcareous Mafic Volcanic
MLTF Mafic Lapilli Tuff
MFFL Mafic Flow

1 Felsic Volcanics

QSSH Quartz Sericite Schist
SESH Sericite Schist
SEPH Sericitic Phyllite
AKSS Ankerite Sericite Schist
CLSS Chlorite Schist
QERY Quartz Eye Rhyolite
QXTF Quartz Crystal Tuff

GEOLOGICAL SYMBOLS:

Geological Contact
Outcrop (Large, Small)
Boulder (Float)
Fault (Dip Indicated)
Thrust Fault
Foliation Orientation
Minor Fold
Mineral Occurrence
Adit

MINERAL ABBREVIATIONS:

Py Pyrite
Sp Sphalerite
Gn Galena
Ak Ankerite
Se Sericite
Ch Chlorite

0 100 200
metres

REVISIONS

By	Date	Approv. By

GEOLOGICAL BRANCH ASSESSMENT REPORT

18,822 Part 2 of 2

ESSO MINERALS CANADA

KAMAD PROPERTY
ACACIA GRID

GEOLOGY

To accompany a report by D. Heberlein

Project No:	107	Report No:	MA07 c.906
Mining Div:	Kamloops	NTS:	82M/4W
Survey By:	D.M.Seneshen	Drafted By:	
Date:	Sept 1988	Map No:	3

107-MA-GL-2

KAMAD 3

N

A1 A2 A3 A4 A5 A6 A7 A8

Tieline 17N

Baseline 10N

L10E L11E L12E L13E L14E L15E L16E L17E L18E L19E L20E L21E L22E L23E L24E L25E L26E L27E L28E

1500 2000 2500 3000 3500 4000

Ag 1 Ag 2 Ag 3 Ag 4 Ag 5

5N

* CONTOUR INTERVALS (in ppm)

BACKGROUND	<0.4
WEAKLY ANOMALOUS	0.5-0.6
MODERATELY ANOMALOUS	>0.6
HIGHLY ANOMALOUS	

⊕ Mineral Occurrence

0 100 200
metres

REVISIONS

By	Date	Approv. By

ESSO MINERALS CANADA

KAMAD PROPERTY
ACACIA GRID

SILVER IN SOILS
(ppm)

To accompany a report by D. Heberlein

Project No:	107	Report No:	MA07 c.906
Mining Div:	Kamloops	NTS:	82M/4W
Survey By:		Drafted By:	
Date:		Map No:	9

107-88-GC-09

KAMAD 3

Tieline 17N

Baseline 10N

L10E L11E L12E L13E L14E L15E L16E L17E L18E L19E L20E L21E L22E L23E L24E L25E L26E L27E L28E

A1 A2 A3 A4 A5 A6 A7 A8

As 1 As 2 As 3 As 4 As 5 As 6

1500 2000 2500 3000 3500 4000

5N

CONTOUR INTERVALS (in ppm)

BACKGROUND	<11
WEAKLY ANOMALOUS	12–19
MODERATELY ANOMALOUS	>19
HIGHLY ANOMALOUS	

⊕ Mineral Occurrence

0 100 200
metres

REVISIONS

By	Date	Approv. By

ESSO MINERALS CANADA

KAMAD PROPERTY
ACACIA GRID

ARSENIC IN SOILS

To accompany a report by D. Heberlein

Project No:	107	Report No:	MAGT c.806
Mining Div:	Kamloops	NTS:	82M/4W
Survey By:		Drafted By:	
Date:	Jan., 1989	Map No:	10

107-88-GC-10

KAMAD 3

N

Tieline 17N

Baseline 10N

L10E L11E L12E L13E L14E L15E L16E L17E L18E L19E L20E L21E L22E L23E L24E L25E L26E L27E L28E

A1 A2 A3 A4 A5 A6 A7 A8

Ba 1 Ba 2 Ba 3

1500 2000 2500 3000 3500 4000

5N

CONTOUR INTERVALS (in ppm)

BACKGROUND	<110
WEAKLY ANOMALOUS	111–150
MODERATELY ANOMALOUS	>150
HIGHLY ANOMALOUS	

⊕ Mineral Occurrence

0 100 200
metres

REVISIONS

By	Date	Approv. By

GEOLOGICAL BRANCH ASSESSMENT REPORT

18,822

Part 2 of 2

ESSO MINERALS CANADA

KAMAD PROPERTY
ACACIA GRID
BARIUM IN SOILS
(ppm)

To accompany a report by D. Heberlein

Project No:	107	Report No:	MAG7 e.906
Mining Div:	Kamloops	NTS:	82M/4W
Survey By:		Drafted By:	
Date:	Jan., 1989	Map No:	11

107-88-G-11

KAMAD 3

Tieline 17N

Baseline 10N

Mineral Occurrence

VLF-EM Conductor

0 100 200
metres

REVISIONS

By	Date	Approv. By

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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ESSO MINERALS CANADA

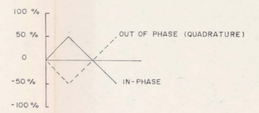
KAMAD PROPERTY
ACACIA GRID

GEOCHEMICAL COMPILATION

To accompany a report by D. Heberlein

Project No: 107	Report No: MA07 c.906
Mining Div: Kamloops	NTS: 82M/4W
Survey By:	Drafted By:
Date: Jan., 1989	Map No: 12

107-88-GC-05



REVISIONS

By	Date	Approv. By

ESSO MINERALS CANADA

ACACIA PROPERTY

FRASER FILTERED VLF-EM

0 25 50 100 m SCALE 1:2500

To accompany a report by D. Heberlein

Project No: 107	Report No: MA07 c.906
Mining Div: Kamloops	NTS: 82M/4W
Survey By:	Drafted By: M.J.D.
Date: July, 1988	Map No: 5

107-88-GP-02

KAMAD 3

A2

A3

A1

A8

A4

A7

A5

A6

Tieline 17N

Baseline 10N

L10E L11E L12E L13E L14E L15E L16E L17E L18E L19E L20E L21E L22E L23E L24E L25E L26E L27E L28E

Cu 4

Cu 2

Cu 1

Cu 5

Cu 3

1500

2000

2500

3000

3500

4000

5N

Baseline 10N

KAMAD 3

CONTOUR INTERVALS (in ppm)

BACKGROUND	<50
WEAKLY ANOMALOUS	51–70
MODERATELY ANOMALOUS	71–90
HIGHLY ANOMALOUS	>90

⊕ Mineral Occurrence

0 100 200
metres

REVISIONS

By	Date	Approv. By

ESSO MINERALS CANADA

KAMAD PROPERTY
ACACIA GRID
COPPER IN SOILS
(ppm)

To accompany a report by D. Heberlein

Project No:	107	Report No: MA07 c.906	
Mining Div:	Kamloops	NTS:	82M/4W
Survey By:		Drafted By:	
Date:	Nov. 1988	Map No: 6	

107-88-GC-06

KAMAD 3

Tieline 17N

Baseline 10N

L10E L11E L12E L13E L14E L15E L16E L17E L18E L19E L20E L21E L22E L23E L24E L25E L26E L27E L28E

A1 A2 A3 A4 A5 A6 A7 A8

Pb 1 Pb 2 Pb 3 Pb 4 Pb 5

1500 2000 2500 3000 3500 4000

5N

CONTOUR INTERVALS (in ppm)

BACKGROUND	<33
WEAKLY ANOMALOUS	34-57
MODERATELY ANOMALOUS	58-76
HIGHLY ANOMALOUS	>76

⊕ Mineral Occurrence

0 100 200
metres

REVISIONS

By	Date	Approv. By

ESSO MINERALS CANADA

KAMAD PROPERTY
ACACIA GRID

LEAD IN SOILS
(PPM)

To accompany a report by D. Heberlein

Project No:	107	Report No:	MA07 c.906
Mining Div:	Kamloops	NTS:	82M/4W
Survey By:		Drafted By:	
Date:	Nov. 1988	Map No:	7

107-88-GC-03

KAMAD 3

N

Tieline 17N

Baseline 10N

L10E L11E L12E L13E L14E L15E L16E L17E L18E L19E L20E L21E L22E L23E L24E L25E L26E L27E L28E

A1 A2 A3 A4 A5 A6 A7 A8

Zn 1 Zn 2 Zn 3 Zn 4 Zn 5 Zn 6 Zn 7

1500 2000 2500 3000 3500 4000

5N

CONTOUR INTERVALS (in ppm)

BACKGROUND	<200
WEAKLY ANOMALOUS	202–300
MODERATELY ANOMALOUS	301–400
HIGHLY ANOMALOUS	>400

⊕ Mineral Occurrence

0 100 200
metres

REVISIONS

By	Date	Approv. By

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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ESSO MINERALS CANADA

KAMAD PROPERTY
ACACIA GRID
ZINC IN SOILS
(ppm)

To accompany a report by D. Heberlein

Project No: 107	Report No: MA07 c.806
Mining Div: Kamloops	NTS: 82M/4W
Survey By:	Drafted By:
Date: Jan., 1989	Map No: 8

107-88-GC-07