E148

15754

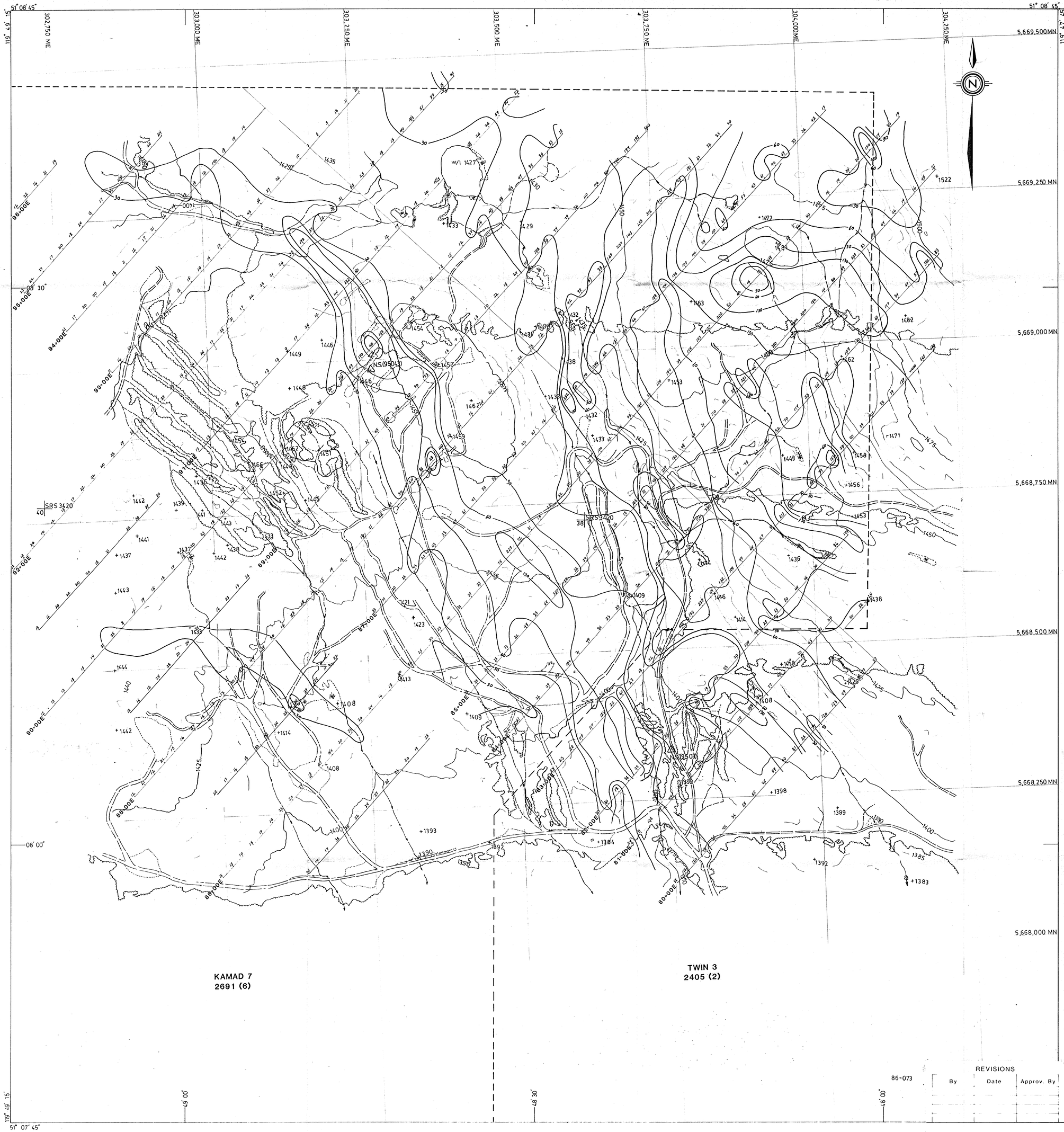
PART 2 OF 2

FINAL REPORT
F.A.M.E. GRANT 10962-E
KAMAD CLAIMS
Kamloops Mining Division
NTS: 82M/4W
Lat: 51°08'N Long: 119°49'W
ESSO RESOURCES CANADA LIMITED

Volume II of II

Oliver, Marr

October 1986



GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,754

PART 2 OF 2

LEGEND

- Cut Grid Lines
- Roads
- Edge Of Clear Cut
- Stream

Note: The Kamad 7 north boundary was established by B.C.L. Survey. The Twin 3 boundary was established by hip-chain and compass.

SCALE 1:2500

0 100 200

Metres

ESSO MINERALS CANADA

KAMAD 7

"B" HORIZON SOIL GEOCHEMISTRY

LEAD (PPM)

Contour Interval: 30, 60, 130

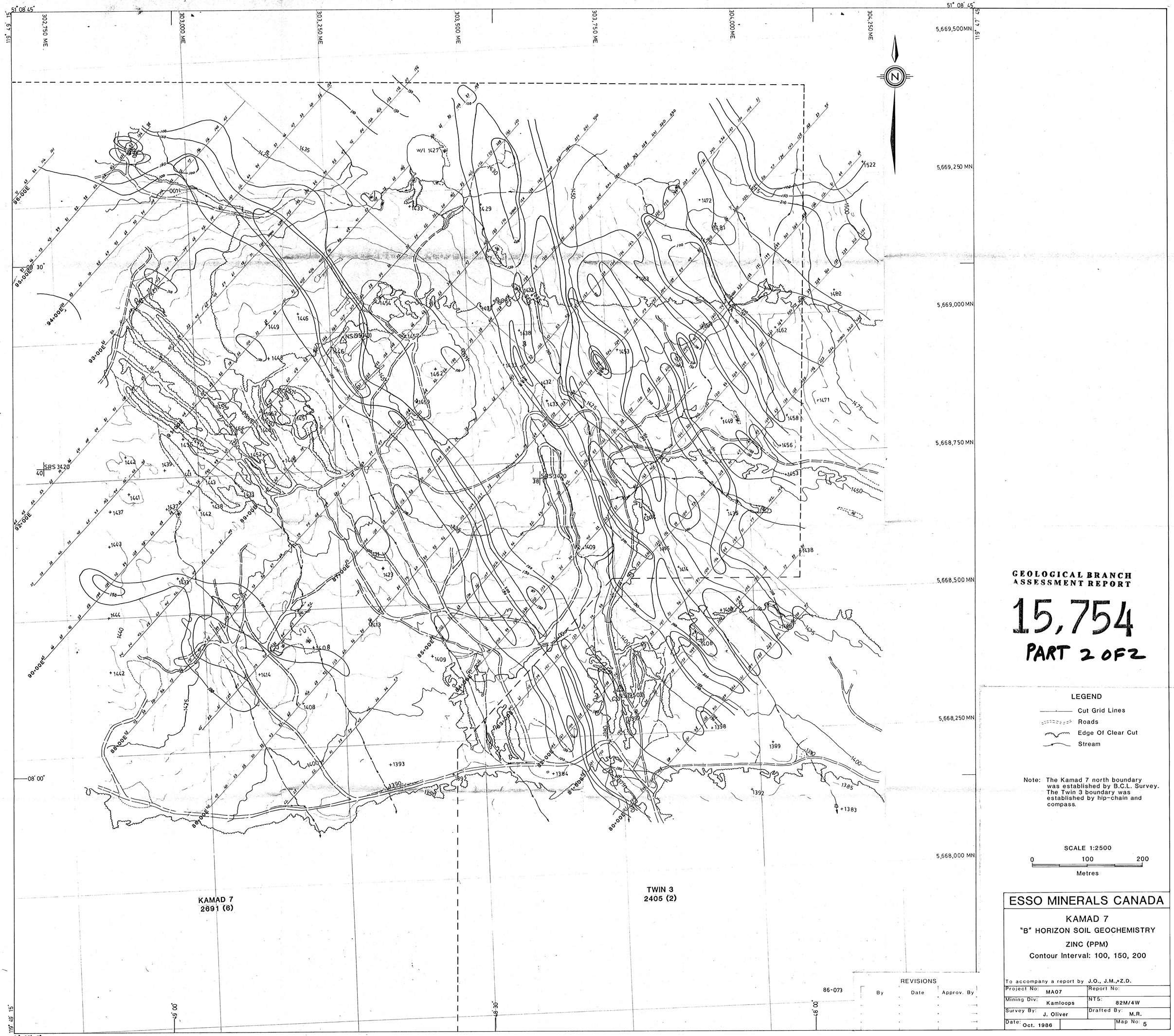
To accompany a report by J.O., J.M.,+Z.D.

Project No: MA07	Report No:
Mining Div: Kamloops	NTS: 82M/4W
Survey By: J. Oliver	Drafted By: M.R.
Date: Oct. 1986	Map No: 4

86-073

REVISIONS

By	Date	Approv. By



GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,754
PART 2 OF 2

LEGEND

- Cut Grid Lines
- Roads
- Edge Of Clear Cut
- Stream

Note: The Kamad 7 north boundary was established by B.C.L. Survey. The Twin 3 boundary was established by hip-chain and compass.

SCALE 1:2500

0 100 200

Metres

REVISIONS

By	Date	Approv. By

ESSO MINERALS CANADA

KAMAD 7

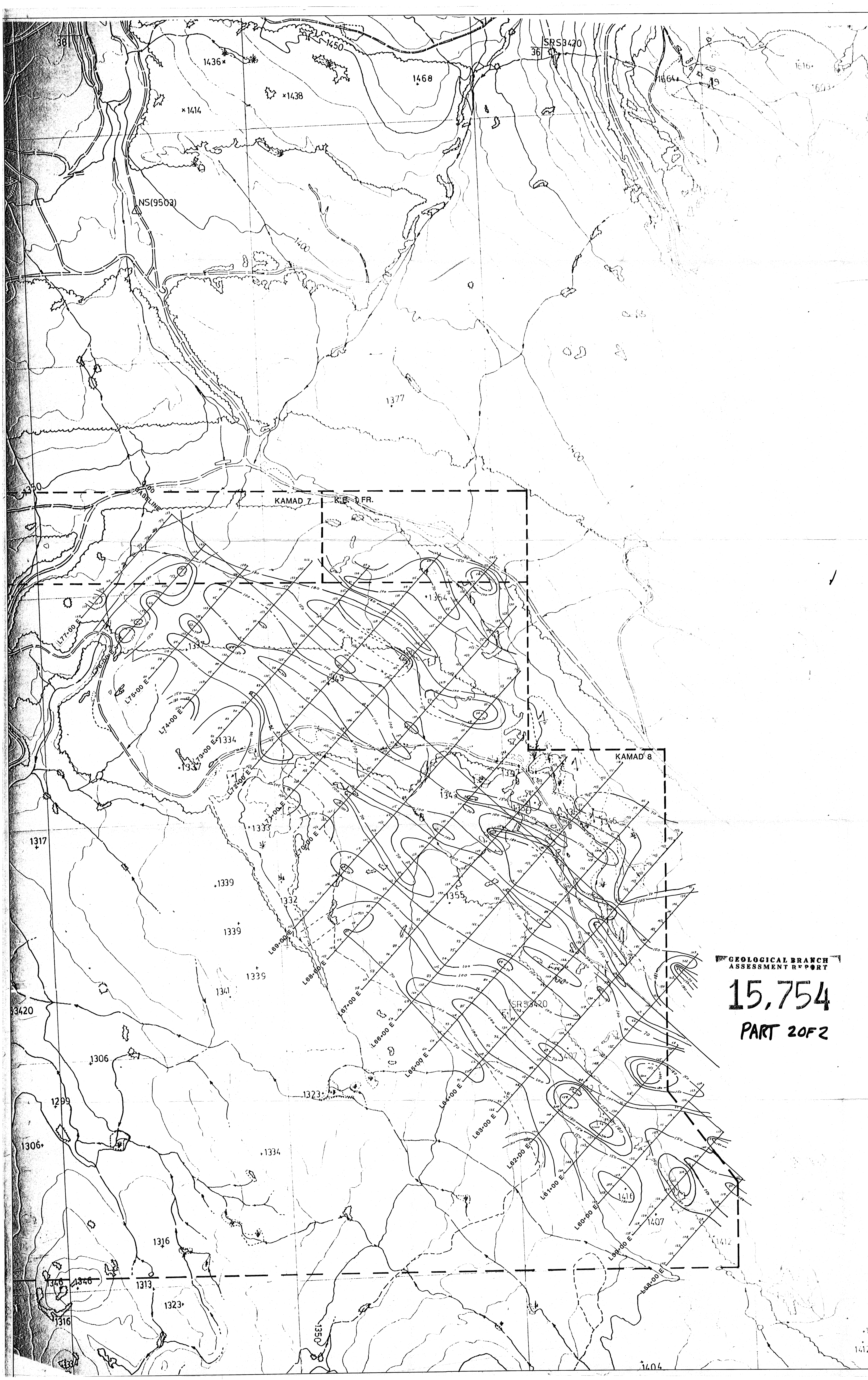
"B" HORIZON SOIL GEOCHEMISTRY

ZINC (PPM)

Contour Interval: 100, 150, 200

To accompany a report by J.O., J.M.,+Z.D.

Project No: MA07		Report No:	
Mining Div: Kamloops		NTS:	82M/4W
Survey By: J. Oliver		Drafted By:	M.R.
Date: Oct. 1986			Map No: 5



GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,754

PART 2 OF 2

LEGEND

====	Logging Road
—+—	Grid Line
— —	Claim Boundary
—→—	Stream

Scale 1:2500

50 0 50 100 150 200 m.

ESSO MINERALS CANADA

KAMAD 8 PROPERTY

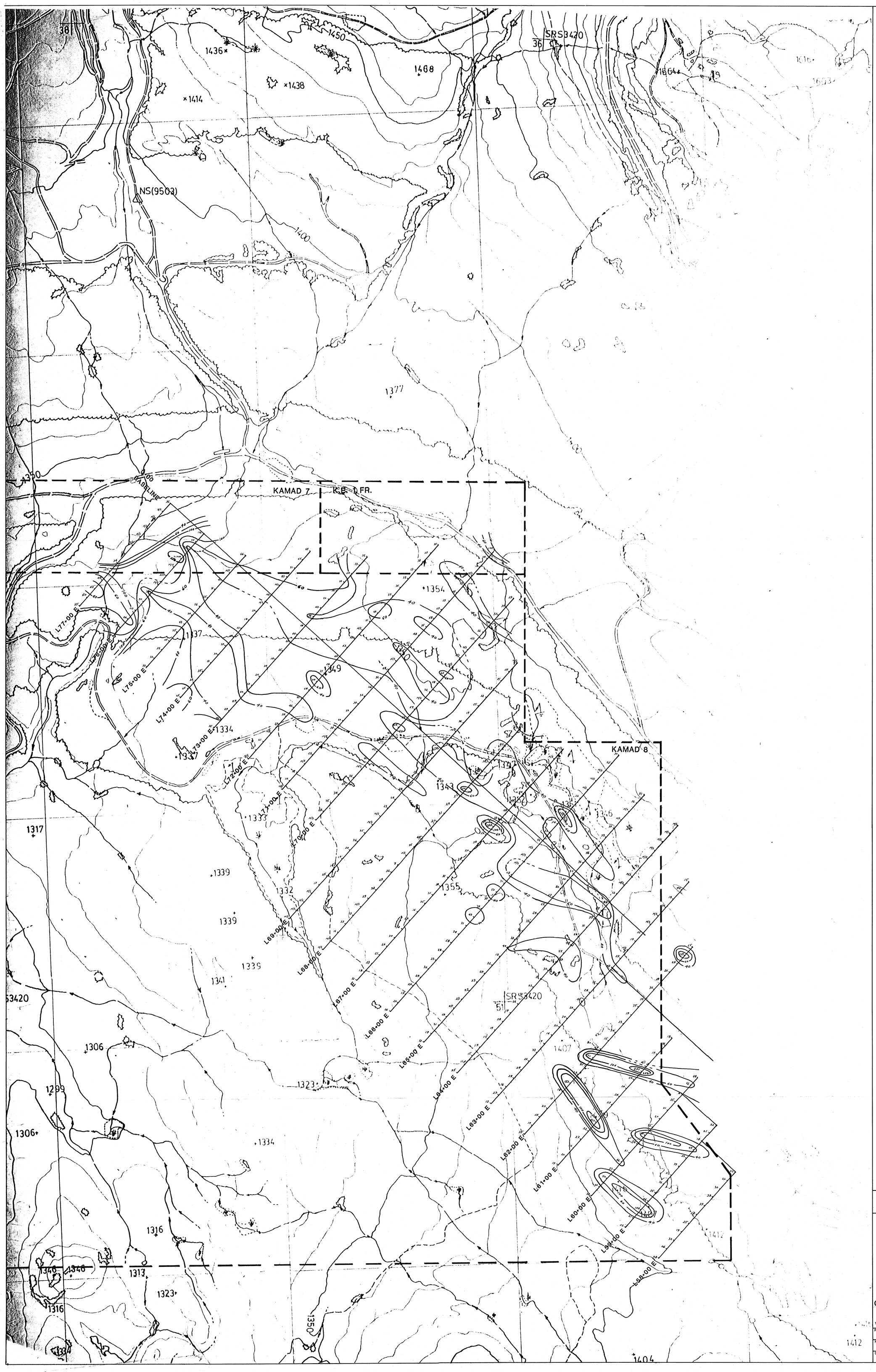
"B" HORIZON SOIL GEOCHEMISTRY

ZINC(PPM)

CONTOUR INTERVAL: 70, 100, 150, 180, 300

To accomany a report by J.Oliver

PROJECT No.	MA07	MINING DIVISION	KAMLOOPS
N.T.S. No.	82M/4W	DRAWN BY	M.Reed
DATE	October, 1986	MAP No.	21



GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,754

PART 2 OF 2

LEGEND

- Logging Road
- Grid Line
- Claim Boundary
- Stream

Scale 1:2500

50 0 50 100 150 200 m.

ESSO MINERALS CANADA

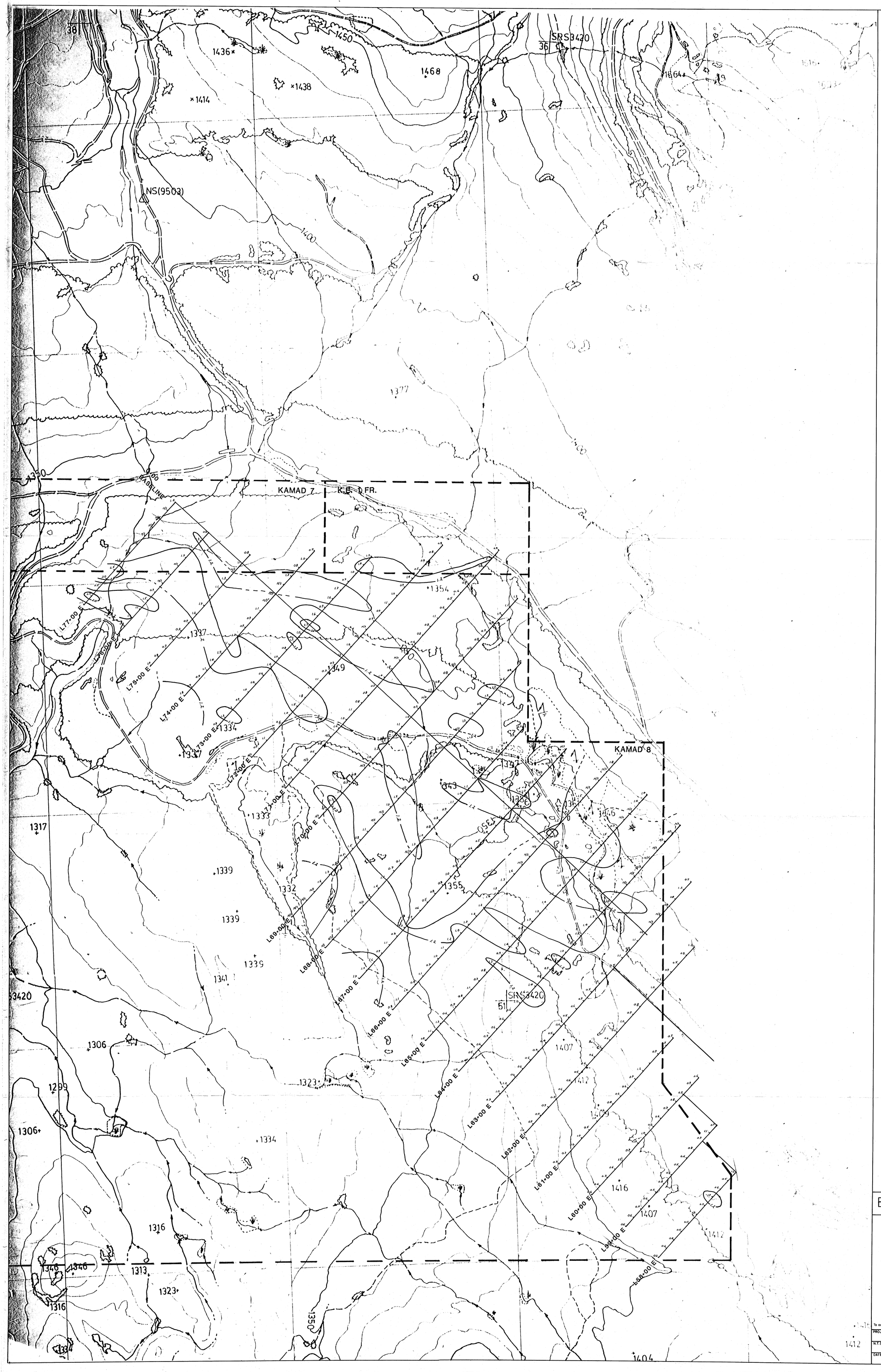
KAMAD 8 PROPERTY

"B" HORIZON SOIL GEOCHEMISTRY

LEAD(PPM)
CONTOUR INTERVAL: 40, 60, 100, 250

To accomany a report by J.Oliver

PROJECT No. MA07	MINING DIVISION KAMLOOPS
N.T.S. No. 82M/4W	DRAWN BY M.Reed
DATE October, 1986	MAP No. 22



LEGEND

- Logging Road
- Grid Line
- Claim Boundary
- Stream

Scale 1:2500

50 0 50 100 150 200 m.

ESSO MINERALS CANADA

KAMAD 8 PROPERTY

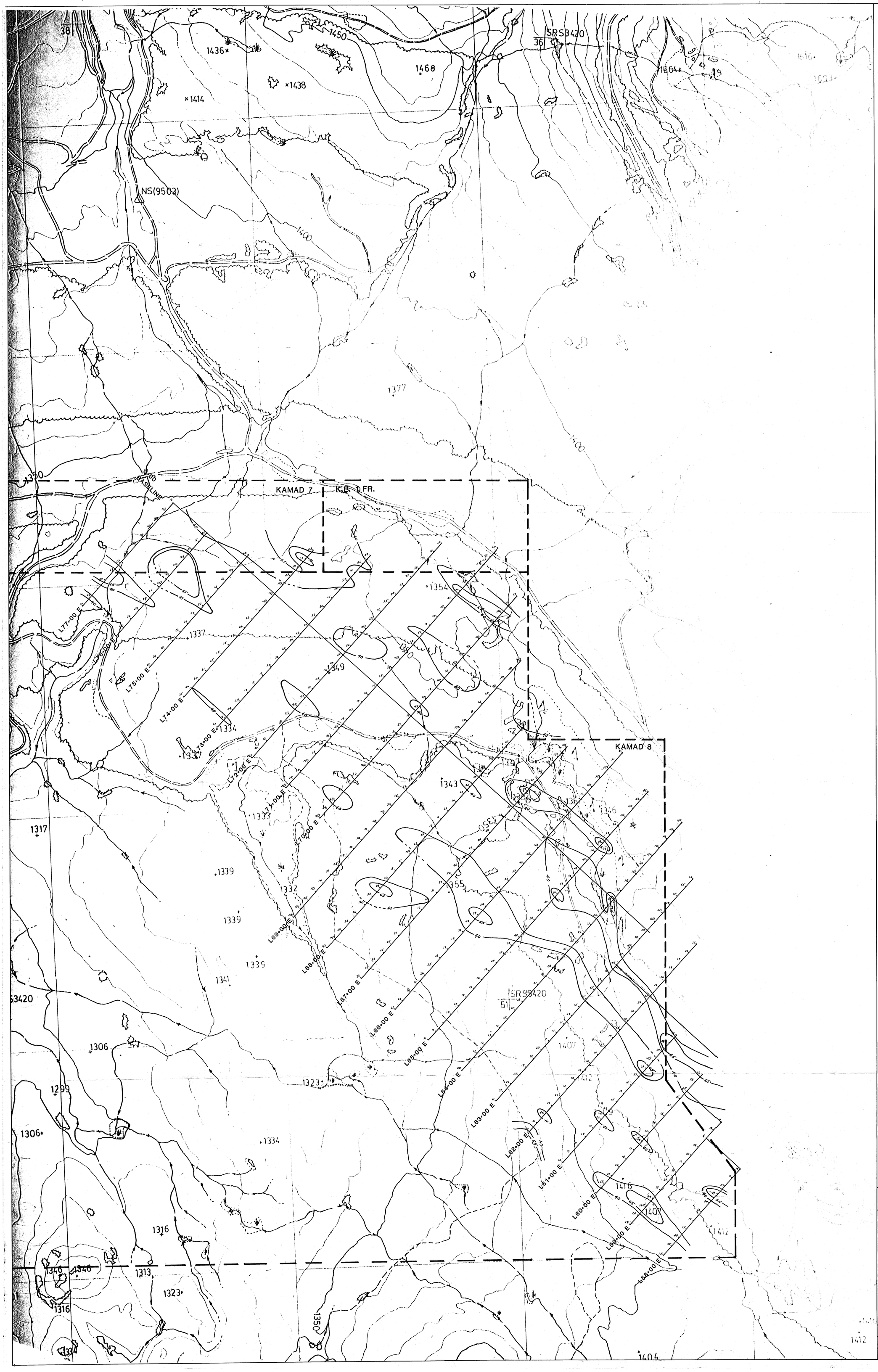
"B" HORIZON SOIL GEOCHEMISTRY

SILVER(PPM)

CONTOUR INTERVAL: 1.2, 2.0

To accomany a report by J.Oliver

PROJECT No. MA07	MINING DIVISION KAMLOOPS
N.T.S. No. 82M/4W	DRAWN BY M.Reed
DATE October, 1986	MAP No. 23



LEGEND

- Logging Road
- Grid Line
- Claim Boundary
- Stream

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,754
PART 2 OF 2

Scale 1:2500

50 0 50 100 150 200 m.

ESSO MINERALS CANADA

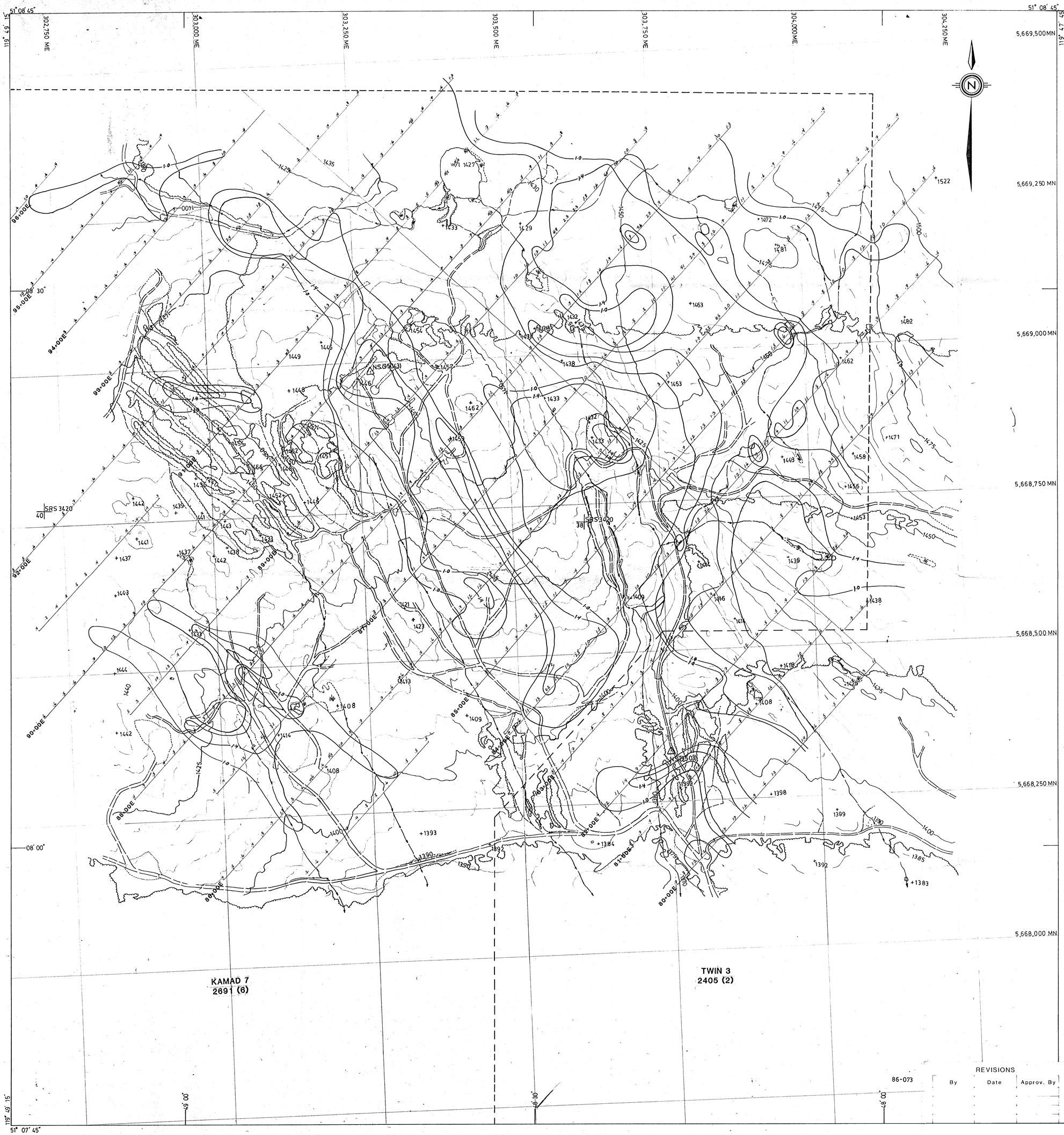
KAMAD 8 PROPERTY

"B" HORIZON SOIL GEOCHEMISTRY

COPPER(PPM)
CONTOUR INTERVAL: 40, 65

To accomany a report by J.Oliver

PROJECT No. MA07	MINING DIVISION KAMLOOPS
N.T.S. No. 82M/4W	DRAWN BY M.Reed
DATE October, 1986	MAP No. 24



GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,754

PART 2 OF 2

LEGEND

- Cut Grid Lines
- Roads
- Edge Of Clear Cut
- Stream

Note: The Kamad 7 north boundary was established by B.C.L. Survey. The Twin 3 boundary was established by hip-chain and compass.

SCALE 1:2500

0 100 200

Metres

ESSO MINERALS CANADA

KAMAD 7

"B" HORIZON SOIL GEOCHEMISTRY

SILVER (PPM)

Contour Interval: 1.0, 1.4

To accompany a report by J.O., J.M.,+Z.D.

Project No: MA07	Report No:
Mining Div: Kamloops	NTS 82M/4W
Survey By: J. Oliver	Drafted By: M.R.
Date: Oct. 1986	Map No: 6

REVISIONS

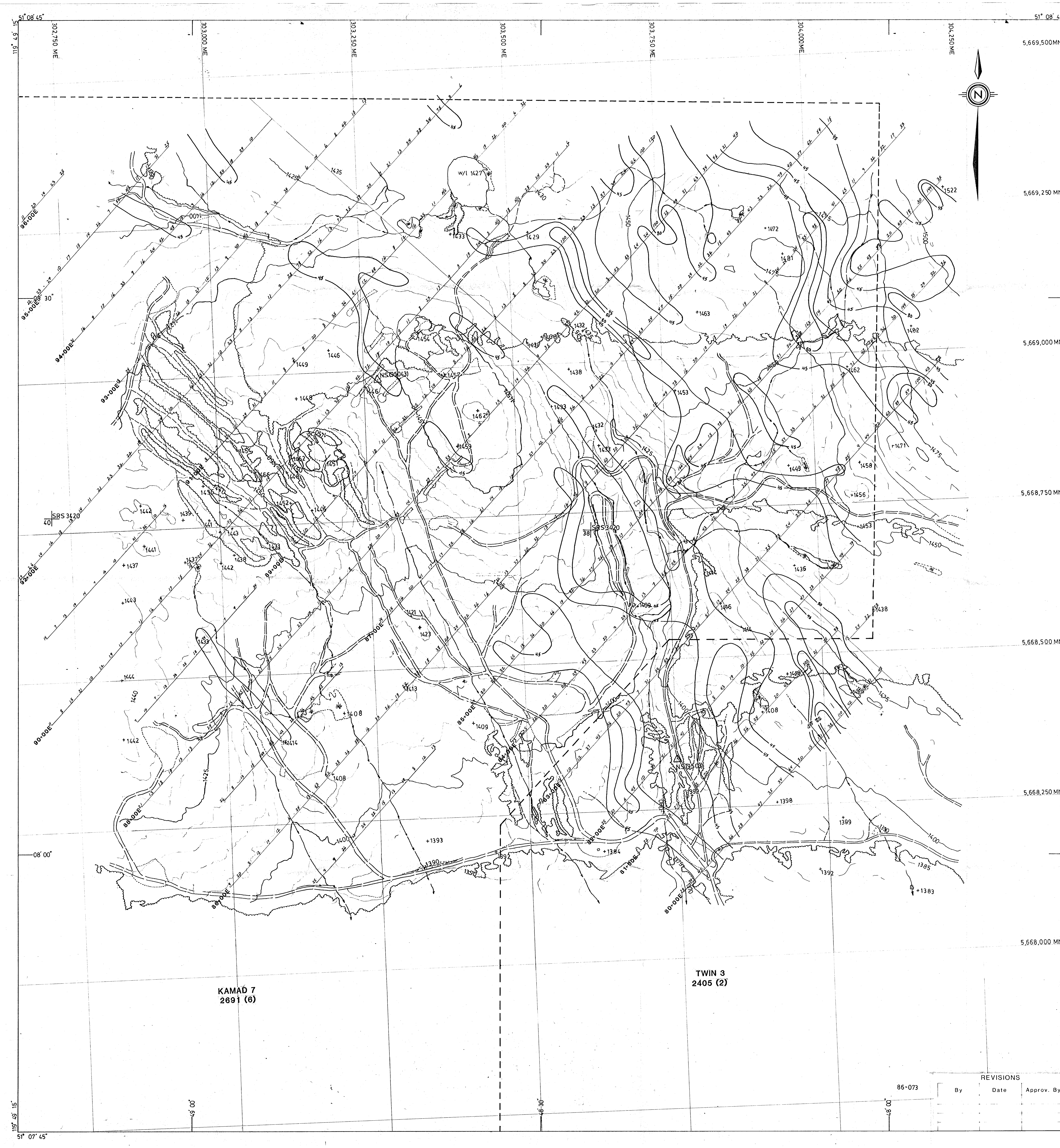
86-073

By	Date	Approv. By

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,754

PART 2 OF 2



LEGEND

- Cut Grid Lines
- Roads
- Edge Of Clear Cut
- Stream

Note: The Kamad 7 north boundary was established by B.C.L. Survey. The Twin 3 boundary was established by hip-chain and compass.

SCALE 1:2500

0 100 200

Metres

ESSO MINERALS CANADA

KAMAD 7

"B" HORIZON SOIL GEOCHEMISTRY

COPPER (PPM)

Contour Interval: 45, 80

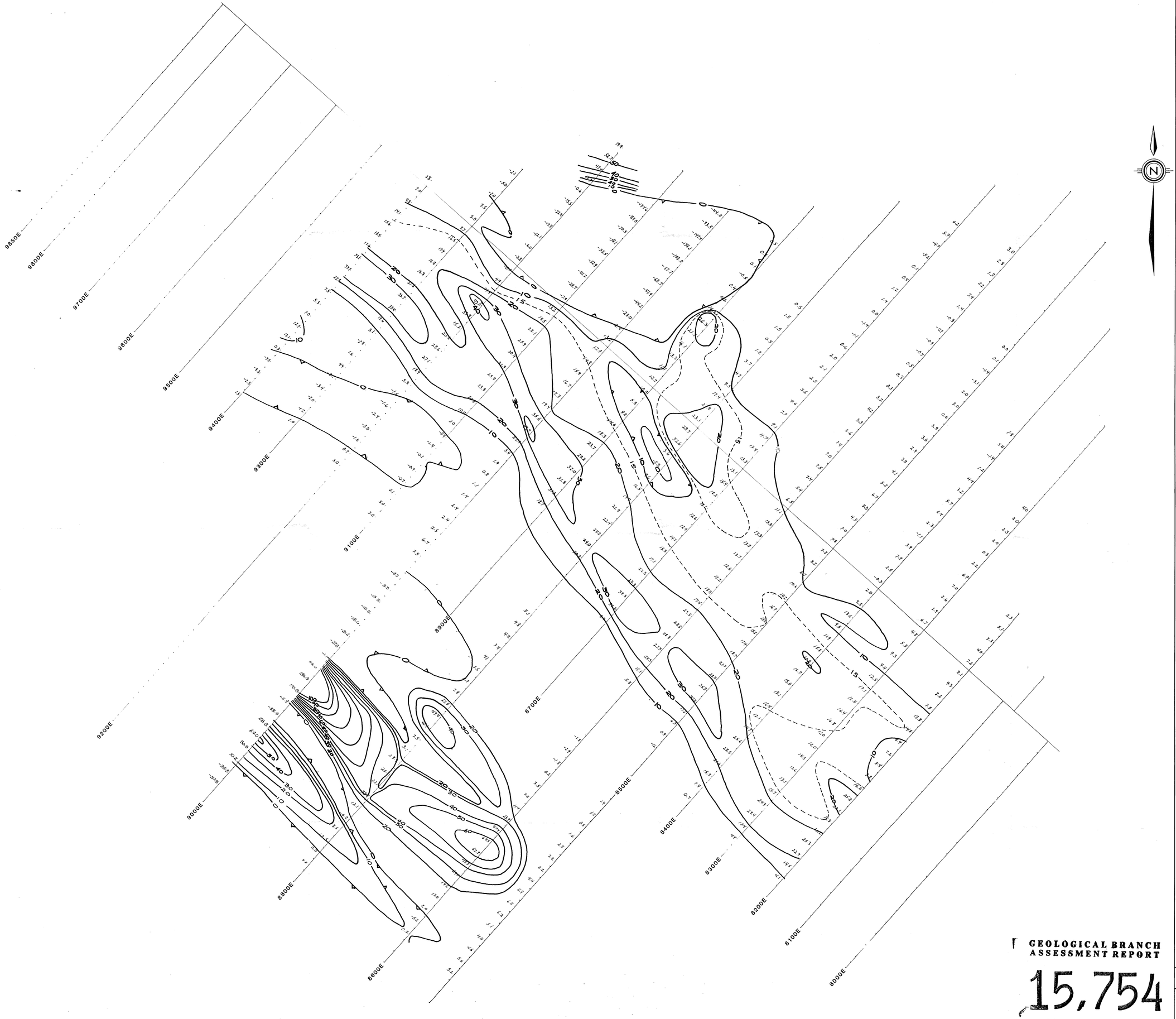
86-073

REVISIONS

By	Date	Approv. By

To accompany a report by J.O., J.M.,+Z.D.

Project No: MA07	Report No:
Mining Div: Kamloops	NTS: 82M/4W
Survey By: J. Oliver	Drafted By: M.R.
Date: Oct. 1986	Map No: 7



GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,754

PART 2 OF 2

SCALE 1:2500

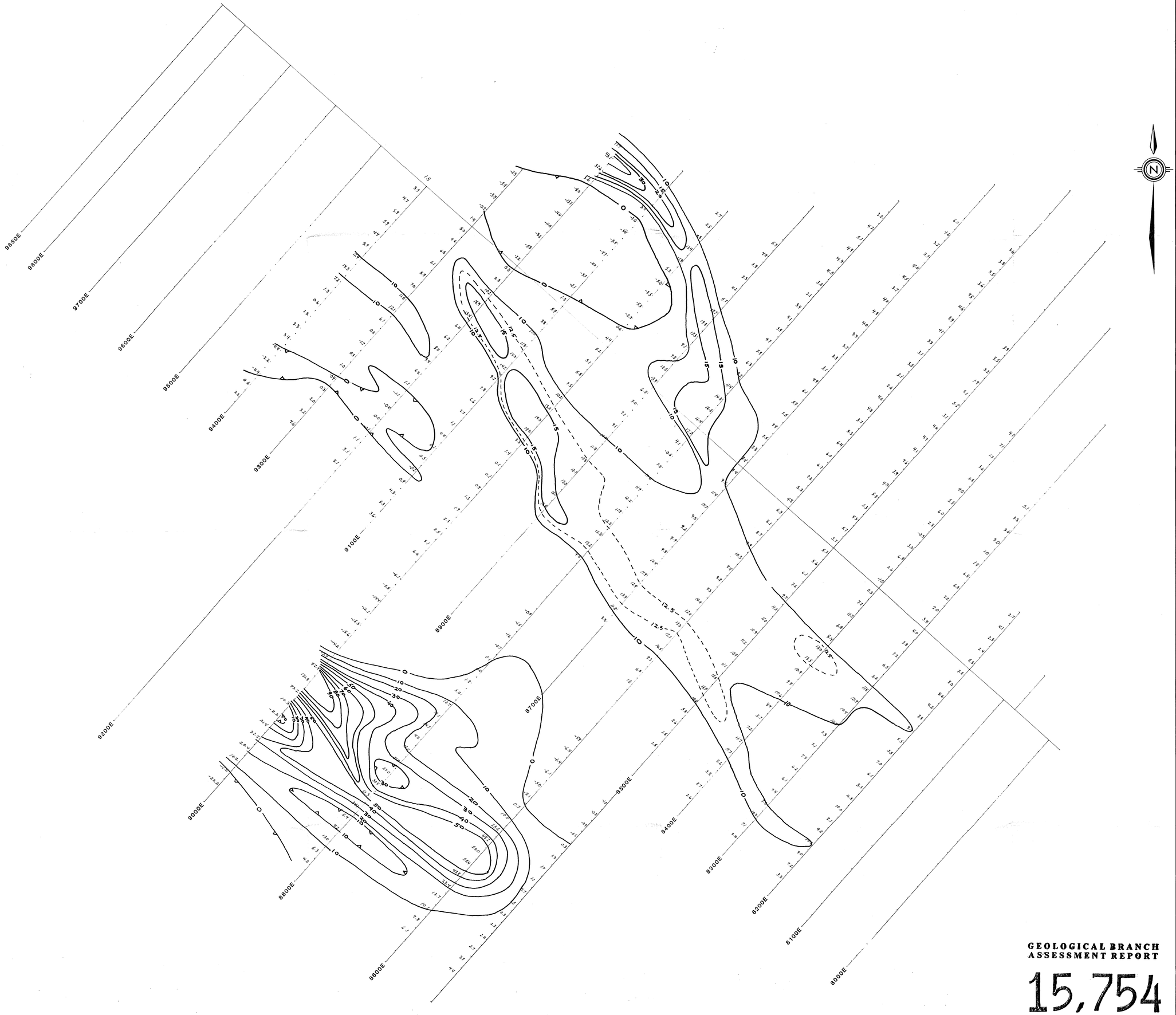
0 50 100 200

Metres

ESSO MINERALS CANADA

KAMAD 7
LARGE LOOP
FIXED SOURCE GENIE
Fraser Filtered
Contour Map Of
3037.5/37.5 Hz.

Project Number: MA07	Mining Division: Kamloops
NTS: 82M//4W	Drawn By: S.L.
Date: Oct. 1986	Map Number: 11



GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,754

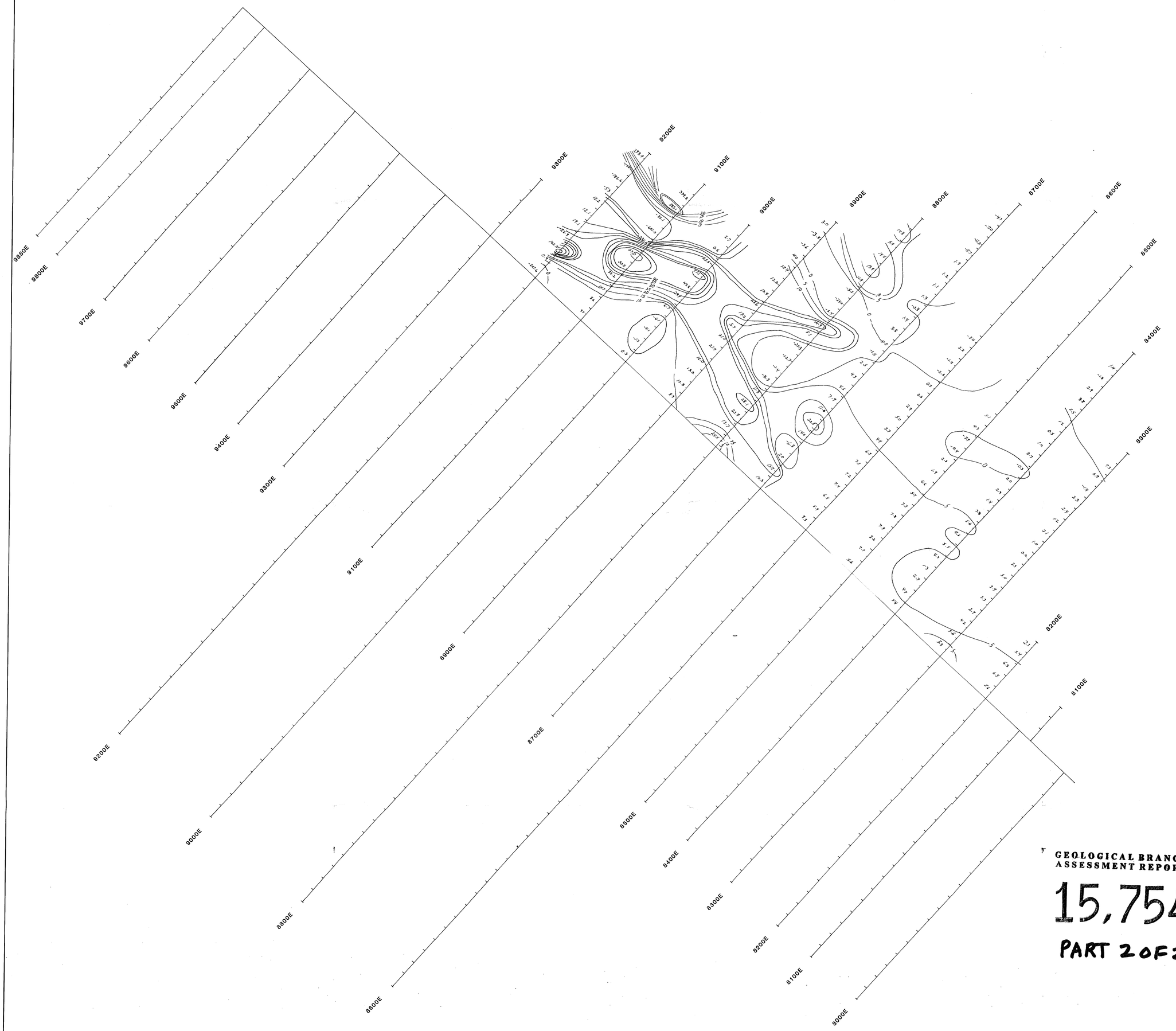
PART 2 OF 2

SCALE 1:2500
0 50 100 200
Metres

ESSO MINERALS CANADA

KAMAD 7
LARGE LOOP
FIXED SOURCE GENIE
Fraser Filtered
Contour Map Of
1012/37.5 Hz.

Project Number: MA07	Mining Division: Kamloops
NTS: 82M//4W	Drawn By: S.L.
Date: Oct. 1986	Map Number: 12



GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,754

PART 2 OF 2

SCALE 1:2500

0 50 100 200

Metres

ESSO MINERALS CANADA

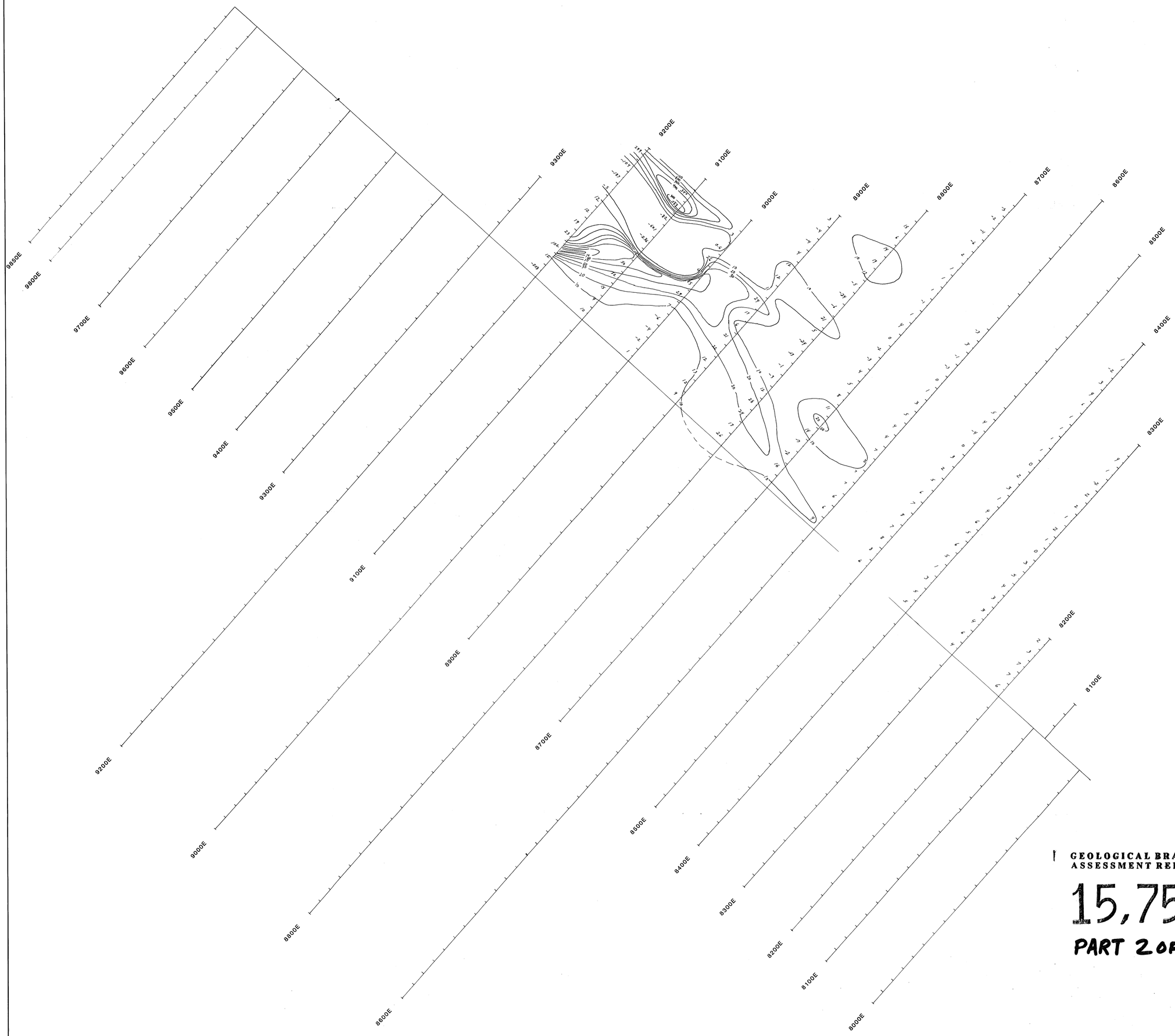
A DIVISION OF ESSO RESOURCES CANADA LIMITED

KAMAD 7 GRID

GROUNDED WIRE
FIXED SOURCE GENIE

Fraser Filtered Contour Map Of
1012/37.5 Hz.

PROJECT NO. MA07	MINING DIVISION Kamloops
NTS 82M//4W	DRAWN BY: S.L.
DATE Oct. 1986	MAP NO. 9



GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,754

PART 2 OF 2

SCALE 1:2500

0 50 100 200

Metres

ESSO MINERALS CANADA

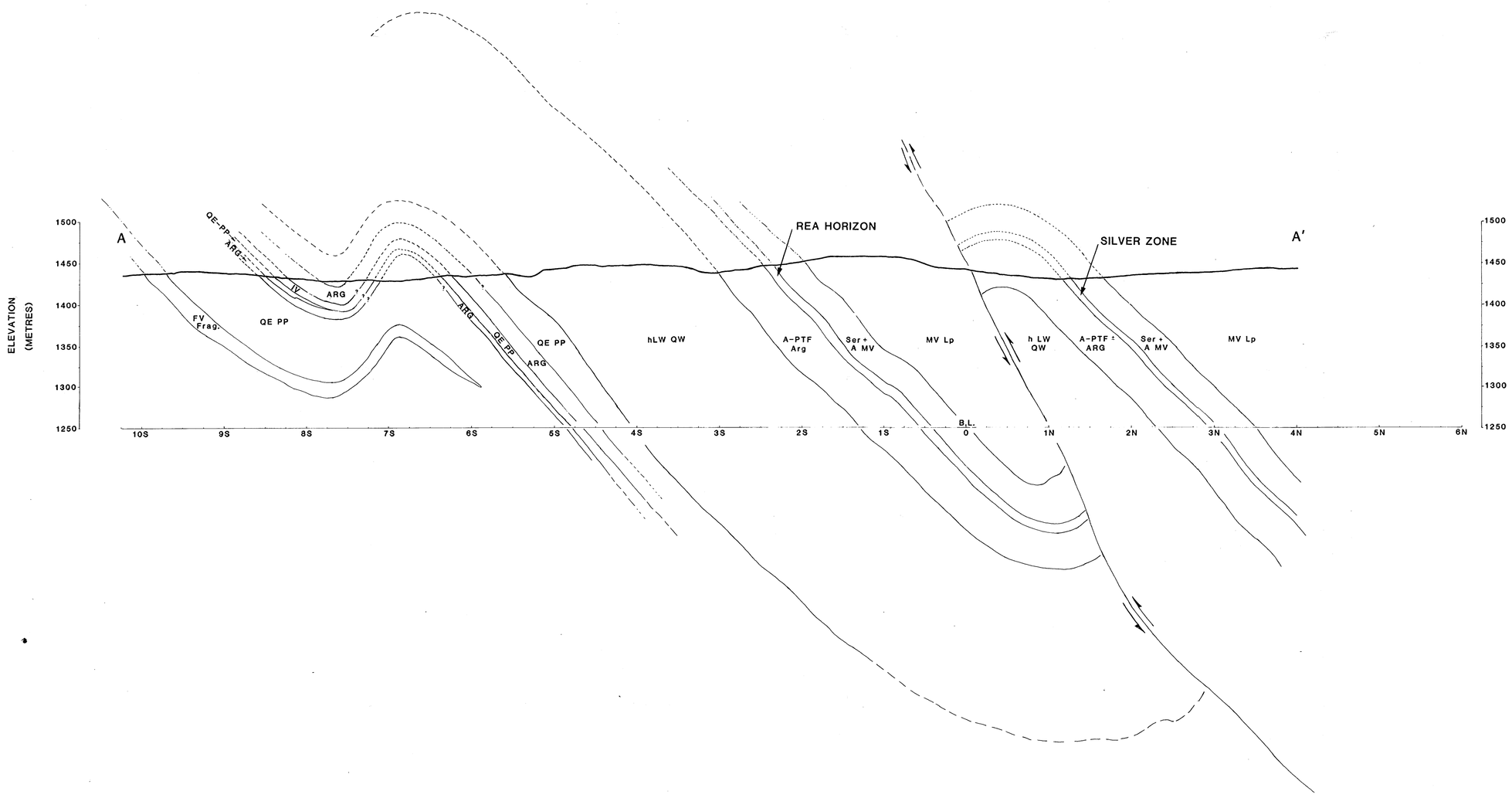
A DIVISION OF ESSO RESOURCES CANADA LIMITED

KAMAD 7 GRID

GROUNDED WIRE
FIXED SOURCE GENIE

Fraser Filtered Contour Map Of
3037.5/37.5 Hz.

PROJECT NO. MA07	MINING DIVISION Kamloops
NTS 82M//4W	DRAWN BY: S.L.
DATE Oct. 1986	MAP NO. 8



- FELSIC VOLCANICS
- COARSE CLASTIC SEDIMENT
- PYRITIC–ANKERITIC TUFFS
- CHERT–SERICITIC CHERT (REA–SILVER ZONE)
- SERICITIC–ANKERITIC MAFIC VOLCANICS
- MAFIC PYROCLASTICS

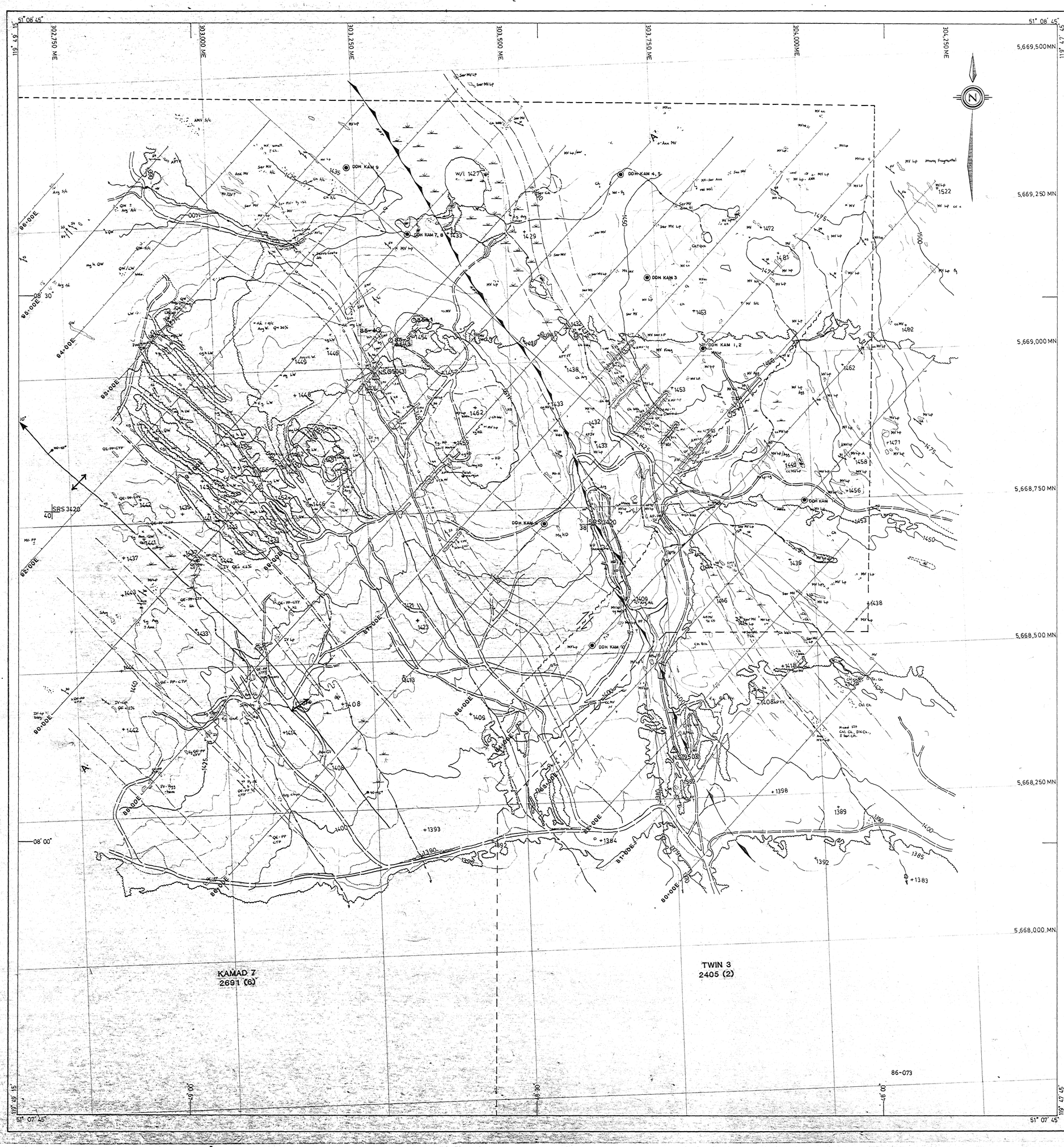
SCALE 1:2500
No Vertical Exaggeration

0 50 100 200 Metres

ESSO MINERALS CANADA

KAMAD 7
STATIGRAPHIC CROSS SECTION – L89E
Looking Northwest

Project No. MA07	Mining Div. Kamloops
NTS: 84M/4	Drawn By: J.O.
Date: Aug. 12, 1986	Map No. 3



LEGEND

PLEISTOCENE TO RECENT

Overburden and Glacial Alluvium - Course boulder till. Highly variable in thickness to 10 meters.

UNCONFORMITY

MAFIC INTRUSIONS

HD — Porphyritic Diorite - Weakly foliated, porphyritic plagioclase and hornblende diorite.

FOLDING & FAULTING

DEVONIAN, MISSISSIPPIAN & OLDER

W_A — CLASTIC SEDIMENTS

hLW — Heterolithic Wacke - Poorly sorted, medium to coarse grained sediment. Distinctive sericitic chips, chert pebbles, argillite fragments, quartz pebbles and minor volcanic clasts embayed within a dark fine grained matrix.

QW — Quartz Wacke - Well sorted fine to medium quartz rich sediments and grits.

Arg — Siltstone and Argillite - Well bedded dark grey to black siltites. Diagenetic pyrite constrained to 1.0 - 3.0 cm Fg buff weathering interbeds.

PTF — PYRITIC TUFF-ANKERITIC TUFF

Fine grained, dull grey brown volcaniclastic and F.g. pyroclastic lithologies. Fragments (clasts) may exceed 1.0 cm and may be wispy concave and occassionally chloritized. Uniformly disseminated ankerite or pyrite may exceed 20 - 25% rock volume. Often weakly schistose.

MS — MASSIVE SULPHIDE

Weakly to moderately well bedded pyrite, arsenopyrite, sphalerite, galena and chalcopyrite. Sulphide lenses may locally develop baritic caps.

Ch — CHERT-REA HORIZON

SCh — Sericitic to Phyllitic Chert - Pale cream, yellow cream to light grey chert, frequently talcose. May contain fine grained volcanic detritus. The unit is characterized by platy to papery foliation surfaces and high Py-AsPy contents 10-15%.

HCh — Heterolithic Chert Breccia - Mixed, poorly sorted clast rich breccia, well preserved graded beds.

MV — MAFIC VOLCANICS

SMV — Sericitized - Pyritized F.g. Mafic Lapilli Tuff pale grey to buff green F.g. pyroclastic, potent silica addition and pyritization may obscure original lithology. Green micas occassionally noted.

ccMVLp — Carbonitized Mafic Lapilli Tuffs - Pervasively carbonitized lapilli pyroclastics.

MVLp — Mafic Lapilli Tuffs and Agglomerates - Relatively unaltered mafic pyroclastics. Fragments usually elongate, matrix supported and unimodal.

FV — FELSIC VOLCANICS

QE PP — Quartz Eye - Plagioclase Crystal Tuffs - Well defined quartz eyes, angular to rounded, exceed 5% rock volume. White lightly sericitized feldspar pyroclasts, are subrounded, 60-70% rock volume and enveloped by a pale yellow sericitic foliation. Py usually less than 2%, overall rock color pale cream to light green cream.

FV-Agg — Felsic Agglomerates and Course Grained Lapilli Pyroclastics - Highly angular fragments containing quartz eyes are supported in a slightly more chloritic matrix. Fragments may be slightly more hematitic. Fragments frequently exceed 6.4 cm, and are usually subangular and unimodal.

IV — INTERMEDIATE VOLCANICS

IV Fl — Intermediate Flows - Fine grained well preserved phenocrystic textures, plagioclase. Uniform, massive, no evidence of flow laminations or flow top breccias. Free quartz less than 2%.

IV Lp — Intermediate Lapilli Pyroclastics - White weathering subrounded fragments typically occupy 40% rock volume and are matrix supported.

STRUCTURAL INTERPRETATION

Several deformational fabrics and stratigraphic relations suggest the following:

1) An early deformational event, stratigraphic overturning and the development of overturned antiforms and synforms which generally plunge NW at low, 10° angles. These structures are best identified through cleavage vergance data and best revealed within the sediments in the south central and south western portions of the map area. Regional foliations are axial planar to these structures.

2) Stratigraphic repetition of the Rea Horizon is believed to be caused by a NE dipping thrust sheet, activated after the stratigraphy was overturned.

3) Late dextral faults displace antiformal structures and the thrust sheet. This displacement is well defined by shifted alteration assemblages and by southward movement of the silver zone 50 meters in the east central portions of the map area.

SYMBOLS

- Attitude of Bedding
- Attitude of Foliation
- Trend of Linear Fabric
- Fault Strikeslip
- Thrust Fault
- Antiform, Synform
- Plunge Indicated, Ball Defines Orientation of Axial Surface
- Outcrop Boundary
- S/C = Subcrop
- Boulders
- Geological Contact, Defined, Approximate
- Geological Contact Inferred from Geophysical Trace
- Trace of Geological Cross Section
- Diamond Drill Collar
- Trench
- Road
- Topographic Contour
- Point Datum
- Air Photo Target
- Vegetation Boundary
- Swamp
- Claim Boundary

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,754

PART 2 OF 2

SCALE 1:2500

0 50 100 200 Metres

REVISIONS		
By	Date	Approv. By

ESSO MINERALS CANADA

KAMAD 7

GEOLOGY

To accompany a report by J.O., J.M., +Z.D.

Project No: MA07	Report No:
Mining Div: Kamloops	NTS: 82M/4W
Survey By: J. Oliver	Drafted By: J.O.
Date:	Map No: 2

KAMAD 7
2691(6)

KAMAD 6
2690(6)

K.E. 1 FR.

KAMAD 8
2692(6)

L98 E
L97 E
L96 E
L95 E
L94 E
L93 E
L92 E
L91 E
L90 E
L89 E
L88 E
L87 E
L86 E
L85 E
L84 E
L83 E
L82 E
L81 E
L80 E
Tieline
Baseline
L77 E
L76 E
L75 E
L74 E
L73 E
L72 E
L71 E
L70 E
L69 E
L68 E
L67 E
L66 E
L65 E
L64 E
L63 E
L62 E
L61 E
L60 E
L59 E
L58 E

N

LEGEND

- Cut Grid Lines
- Stream
- Logging Road
- Legal Corner Post
- Claim Boundaries

Scale 1:5000

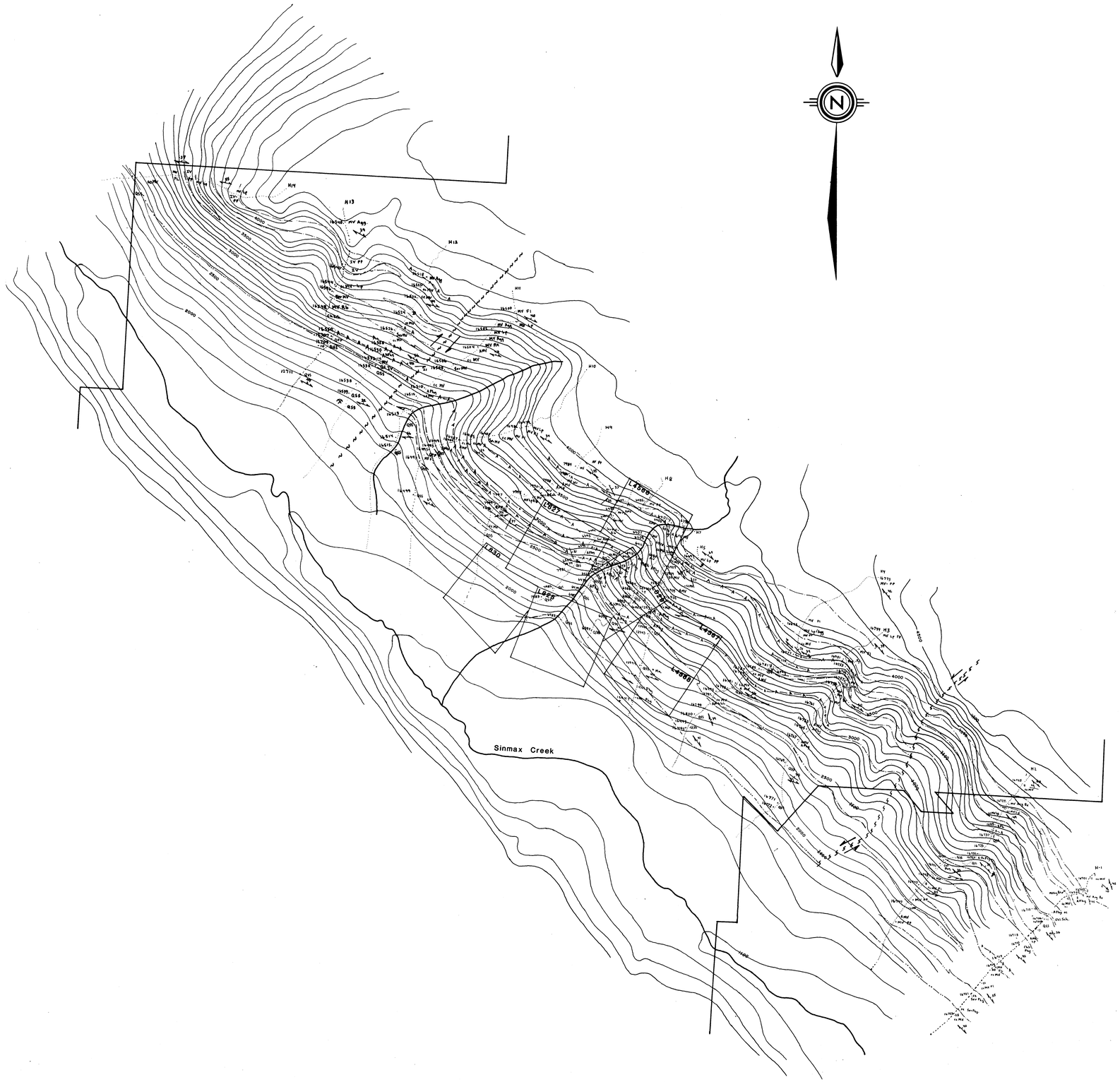
0 200 400 m.

ESSO MINERALS CANADA
A DIVISION OF ESSO RESOURCES CANADA LIMITED

GRID LOCATION & CLAIM BOUNDARY MAP: KAMAD 6,7,8 PROPERTIES

To accompany a report by J. Oliver

SCALE: 1:5000	N.T.S.: 82M/4W
DATE: October, 1986	MINING DIVISION: Kamloops
DRAWN BY: M.Reed	MAP NO.: 1



LITHOLOGY

MV	Mafic Volcanics
MV Lp	Mafic Lapilli Pyroclastic
MV Agg	Mafic Agglomerates
MV Fl	Mafic Flows
MV cc	Mafic Volcanics - Carbonitized
MV PP	Plagioclase Porphyritic Mafic Volcanic Flow
D	Diorite
IV	Intermediate Volcanic
IV PP	Plagioclase Porphyritic Intermediate Volcanic
MVArgBx	Mafic Volcanics and Interbedded Contemporaneous Argillite Breccias
A Phy	Ankeritic Phyllite
A MV	Ankeritic Mafic Volcanic
A	Argillite
Chl Sch	Chlorite Schist
QFP	Quartz Feldspar Porphyritic Felsic Flows
QSS	Quartz Sericite Schist - Homestake Schist
Ba	Massive Barite
Chl Phy	Chloritic Phyllite

SYMBOLS

- Geological Traverse Line, Lithogeochemical Sample Point and Geological Station
- Attitude of Bedding Surface
- Attitude of Planar Fabric
- Bedding Cleavage Intersection Lineation
- Crenulation Lineation
- Minor Fold Axis and Mullion Structures
- Surface Trace of Argillite Bed
- Geological Contact: Defined, Approximate
- Fault, Strike Slip
- Claim Boundary
- Topographic Contours - 100 Foot Intervals

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,754

PART 2 OF 2

SCALE 1:10,000

0 100 500 Metres

REVISIONS

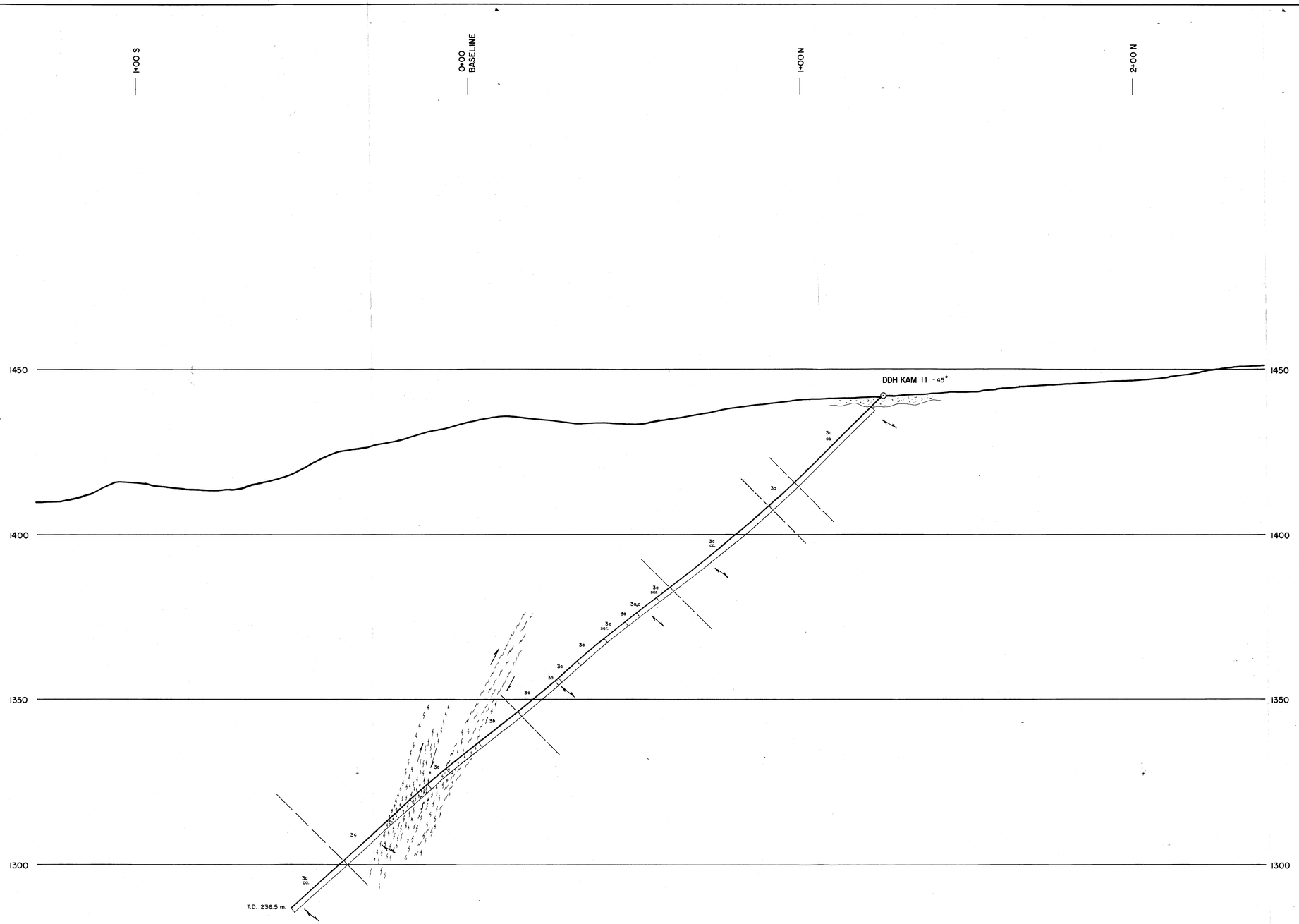
By	Date	Approv. By

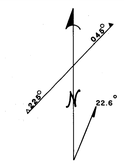
ESSO MINERALS CANADA

LITHOGEOCHEMICAL
SAMPLE LOCATION MAP
AND
GENERALIZED STRATIGRAPHY
SINMAX CLIFFS

To accompany a report by J.O., J.M., + Z.D.

Project No: MA07	Report No:
Mining Div: Kamloops	NTS: 82M/4W
Survey By: J. Oliver	Drafted By: J.O.
Date: Oct. 1986	Map No: 25





LEGEND

- 1C Overburden

UNCONFORMITY

- 11 Felsic intrusive
- 1I Intermediate intrusive
- 6 Mafic intrusive
  - 9a Quartz diorite
  - 9b Porphyritic diorite

FAULTING AND FOLDING

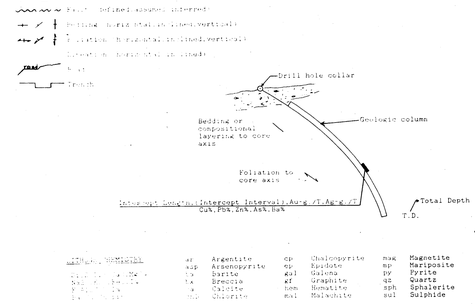
DEVONIAN, MISSISSIPPIAN & OLDER

MISSISSIPPIAN

(EBG) EAGLE BAY FORMATION

- 8a Limestone and dolomite
- 8b Heterolithic wacke + conglomerate
- 8c quartz wacke, minor argillite
- 8d,f Siltstones, argillite
- 8e Argillite
- 7a Interbedded argillite and intermediate lapilli tuff
- 7b Intermediate lapilli tuff; minor flows
- 7c Intermediate flows
- 7d Intravolcanic chert
- 6a Pyritic tuff and siltite
- 6b Argillite and siltite
- 6c Black chert and chert breccia; minor argillite
- 6d Interm-diate flow
- 5a Massive, bedded sulphide
- 5b Massive, bedded barite
- 5c Semi-massive sulphide
- 5d Stockwork and stringer sulphide
- 4a Sericitic to phyllitic chert
- 4b Heterolithic chert breccia
- 4c Cherty argillite
- 4d Argillite
- 4e Chert
- 4f Tuffaceous chert
- 4g Tectonic chert breccia
- 3a Mafic flow
- 3b Sericitic mafic flow
- 3c Mafic lapilli tuff
- 3d Mafic tuff
- 3e Carbonitized mafic lapilli tuff
- 3f Silicified, pyritized mafic lapilli tuff
- 3g Sericitized, pyritized mafic lapilli tuff
- 3h Mafic ash fall
- 3i Intravolcanic chert
- 3j Talcose fine-grained mafic epiclastic
- 2a Intermediate flow
- 2b Intermediate lapilli tuff
- 2c Intermediate ash fall
- 1a Felsic flow
- 1b Felsic lapilli tuff
- 1c Felsic ash fall

SYMBOLS



ar	Argentite	cp	Chalcopyrite	mag	Magnetite
asp	Arsenopyrite	ep	Epidote	mp	Mariposite
ba	Barite	gal	Galena	py	Pyrite
br	Breccia	gr	Graphite	qz	Quartz
ca	Calcite	hem	Hematite	sph	Sphalerite
chl	Chlorite	mal	Malachite	sul	Sulphide

SCALE 1:500

10 5 0 5 10 20 30 40 50

Metres

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,754

PART 2 OF 2

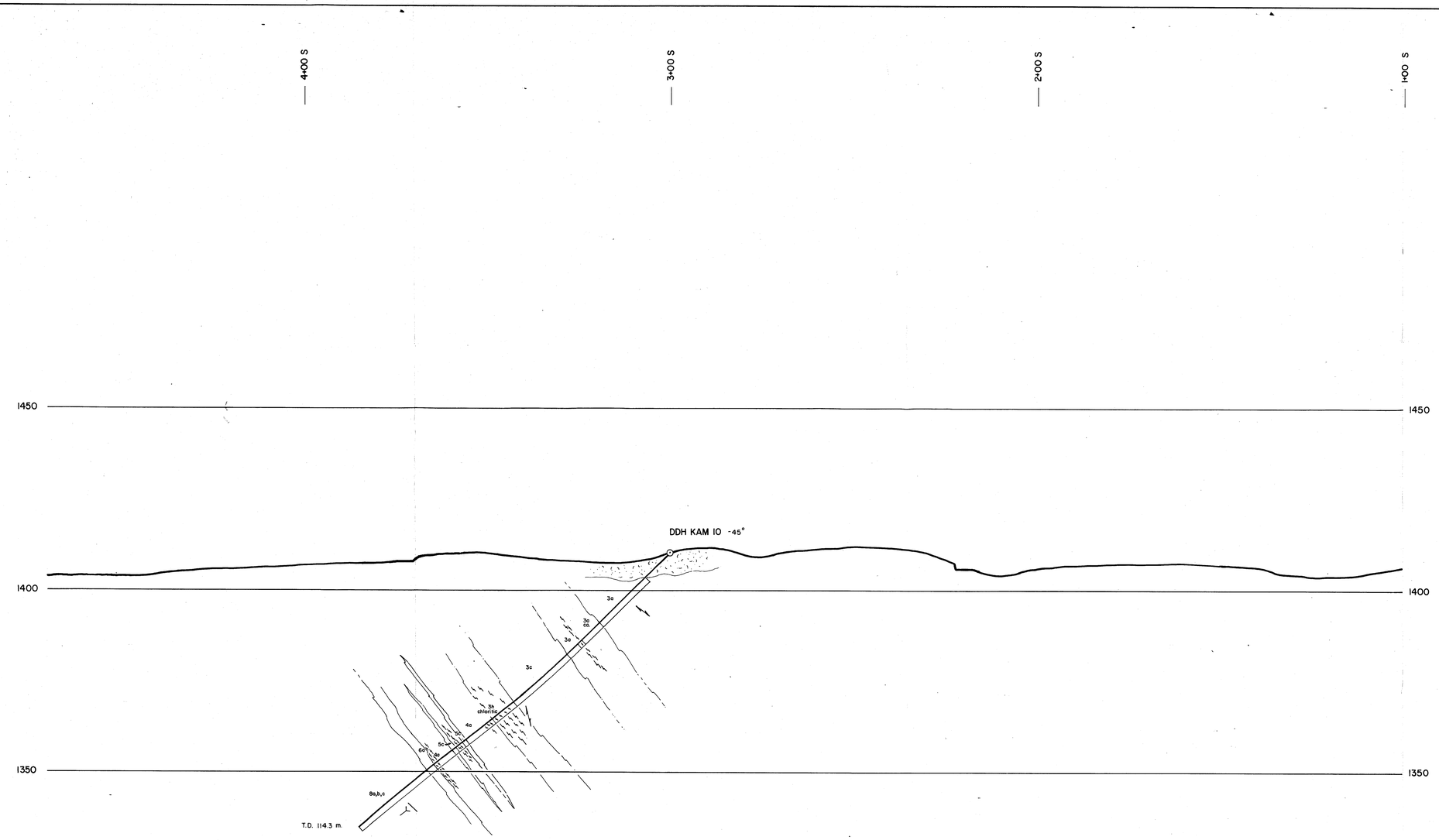
ESSO MINERALS CANADA

GEOLOGICAL CROSS-SECTION
LINE 83 00 EAST

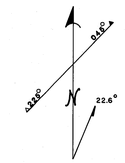
KAMAD 7 PROPERTY

To accompany a report by J. Oliver

Project No. MA07	Mining Division Kamloops
NTS No. 82M/4W	Report No.
Geology By J. OLIVER	Drafted By M.Reed
Date October, 1986	Map No. 20



ELEVATION (meters A.M.S.L.)



LEGEND

- 15 Overburden

UNCONFORMITY

- 11 Felsic intrusive
- 10 Intermediate intrusive
- 9 Mafic intrusive
  - 9a Quartz diorite
  - 9b Porphyritic diorite

FAULTING AND FOLDING

DEVONIAN, MISSISSIPPIAN & OLDER

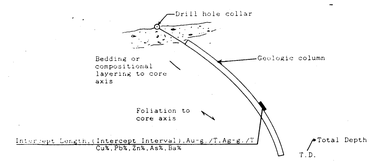
MISSISSIPPIAN

(EBG) EAGLE BAY FORMATION

- 8a Limestone and dolomite
- 8b Heterolithic wacke - conglomerate
- 8c Quartz wacke, minor argillite
- 8d Siltstones, argillite
- 8e Argillite
- 7a Interbedded argillite and intermediate lapilli tuff
- 7b Intermediate lapilli tuff; minor flows
- 7c Intermediate flows
- 7d Intravolcanic chert
- 6a Pyritic tuff and siltite
- 6b Argillite and siltite
- 6c Black chert and chert breccia; minor argillite
- 6d Intermediate flow
- 5a Massive, bedded sulphide
- 5b Massive, bedded barite
- 5c Semi-massive sulphide
- 5d Stockwork and stringer sulphide
- 4a Sericitic to phyllitic chert
- 4b Heterolithic chert breccia
- 4c Cherty argillite
- 4d Argillite
- 4e Chert
- 4f Tuffaceous chert
- 4g Tectonic chert breccia
- 3a Mafic flow
- 3b Sericitic mafic flow
- 3c Mafic lapilli tuff
- 3d Mafic tuff
- 3e Carbonitized mafic lapilli tuff
- 3f Silicified, pyritized mafic lapilli tuff
- 3g Sericitized, pyritized mafic lapilli tuff
- 3h Mafic ash fall
- 3i Intravolcanic chert
- 3j Talcose fine-grained mafic epiclastic
- 2a Intermediate flow
- 2b Intermediate lapilli tuff
- 2c Intermediate ash fall
- 1a Felsic flow
- 1b Felsic lapilli tuff
- 1c Felsic ash fall

SYMBOLS

- Overburden
- Outcrop (extent of area of outcrop)
- Geological boundary (defined, inferred)
- Fault (defined, assumed, inferred)
- Bedding (horizontal, inclined, vertical)
- Foliation (horizontal, inclined, vertical)
- Lineation (horizontal, inclined)
- Road
- Trench



LITHOGEOCHEMISTRY

ar	Argentite	cp	Chalcopyrite	mag	Magnetite
asp	Arsenopyrite	ep	Epidote	mp	Mariposite
ba	Barite	gal	Galena	py	Pyrite
bx	Breccia	gf	Graphite	qz	Quartz
ca	Calcite	hem	Hematite	sph	Sphalerite
chl	Chlorite	mal	Malachite	sul	Sulphide

SCALE 1:500

10 5 0 5 10 20 30 40 50

Metres

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,754
PART 2 OF 2

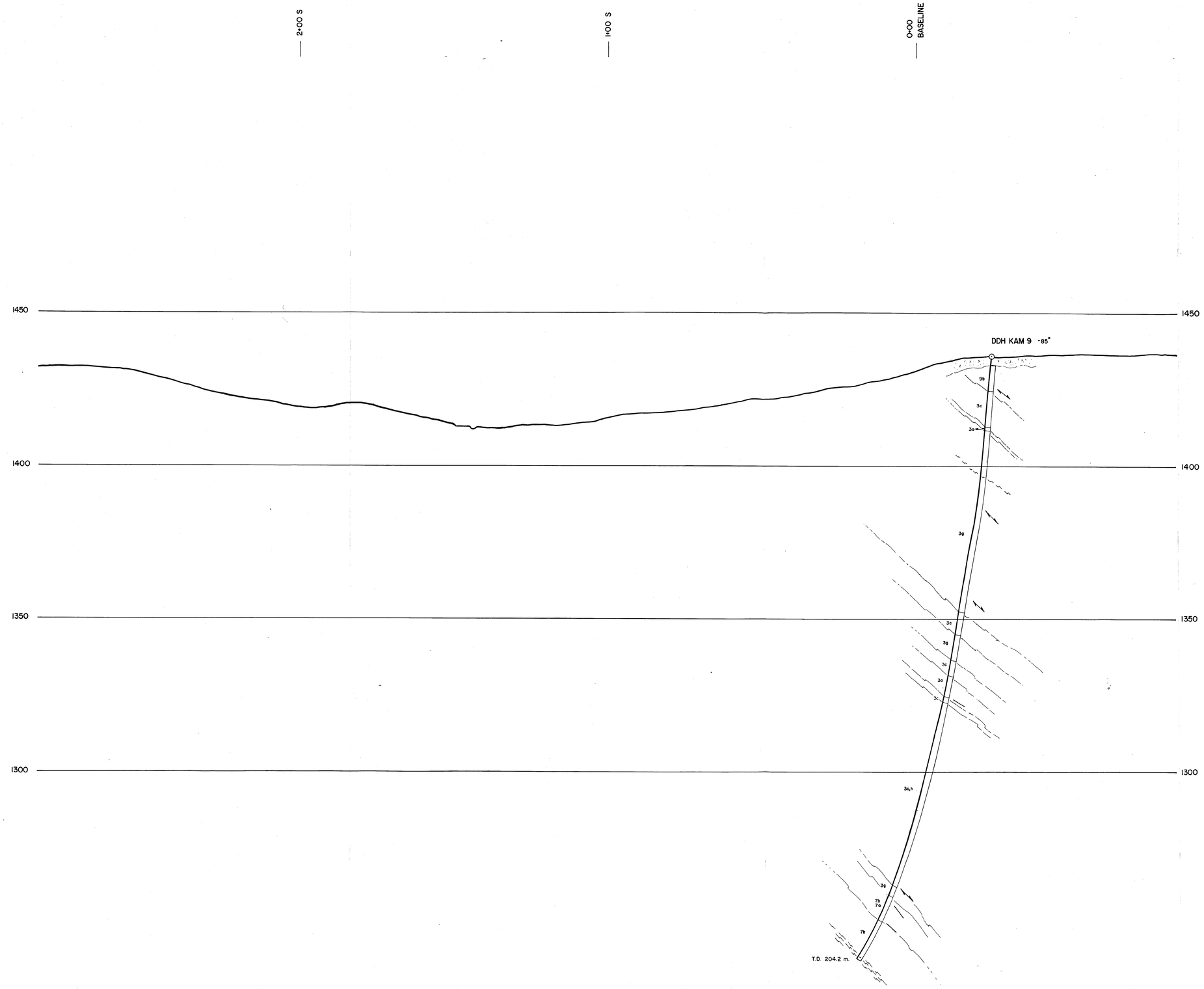
ESSO MINERALS CANADA

GEOLOGICAL CROSS-SECTION
LINE 84+00 EAST

KAMAD 7 PROPERTY

To accompany a report by J. Oliver

Project No.	MA07	Mining Division	Kamloops
NTS No.	82M/4W	Report No.	
Geology By	J. OLIVER	Drafted By	M.Reed
Date	October, 1986	Map No.	19



LEGEND

- 12 Overburden
- UNCONFORMITY
- 11 Felsic intrusive
- 10 Intermediate intrusive
- 9 Mafic intrusive
  - 9a Quartz diorite
  - 9b Porphyritic diorite

FAULTING AND FOLDING

DEVONIAN, MISSISSIPPIAN & OLDER

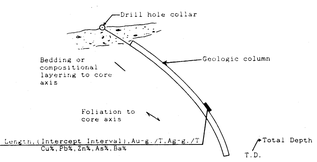
MISSISSIPPIAN

(EBG) EAGLE BAY FORMATION

- 8a Limestone and dolomite
- 8b Heterolithic wacke - conglomerate
- 8c Quartz wacke, minor argillite
- 8d Siltstones, argillite
- 8e Argillite
- 7a Interbedded argillite and intermediate lapilli tuff
- 7b Intermediate lapilli tuff; minor flows
- 7c Intermediate flows
- 7d Intravolcanic chert
- 6a Pyritic tuff and siltite
- 6b Argillite and siltite
- 6c Black chert and chert breccia; minor argillite
- 6d Intermediate flow
- 5a Massive, bedded sulphide
- 5b Massive, bedded barite
- 5c Semi-massive sulphide
- 5d Stockwork and stringer sulphide
- 4a Sericitic to phyllitic chert
- 4b Heterolithic chert breccia
- 4c Cherty argillite
- 4d Argillite
- 4e Chert
- 4f Tuffaceous chert
- 4g Tectonic chert breccia
- 3a Mafic flow
- 3b Sericitic mafic flow
- 3c Mafic lapilli tuff
- 3d Mafic tuff
- 3e Carbonitized mafic lapilli tuff
- 3f Silicified, pyritized mafic lapilli tuff
- 3g Sericitized, pyritized mafic lapilli tuff
- 3h Mafic ash fall
- 3i Intravolcanic chert
- 3j Talcose fine-grained mafic epiclastic
- 2a Intermediate flow
- 2b Intermediate lapilli tuff
- 2c Intermediate ash fall
- 1a Felsic flow
- 1b Felsic lapilli tuff
- 1c Felsic ash fall

SYMBOLS

- Overburden
- Outcrop (area of outcrop)
- Geological boundary (defined, inferred)
- Fault (defined, assumed, inferred)
- Bedding (horizontal, inclined, vertical)
- Foliation (horizontal, inclined, vertical)
- Lineation (horizontal, inclined)
- Road
- Trench



LITHOLOGY/CHEMISTRY

arg	Argentite	cp	Chalcopyrite	mag	Magnetite
asp	Arsenopyrite	ep	Epidote	mp	Mariposite
ba	Barite	gal	Galena	py	Pyrite
br	Breccia	gf	Graphite	qz	Quartz
ca	Calcite	hem	Hematite	sph	Sphalerite
chl	Chlorite	mal	Malachite	sul	Sulphide

SCALE 1:500

10 5 0 5 10 20 30 40 50

Metres

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,754

PART 2 OF 2

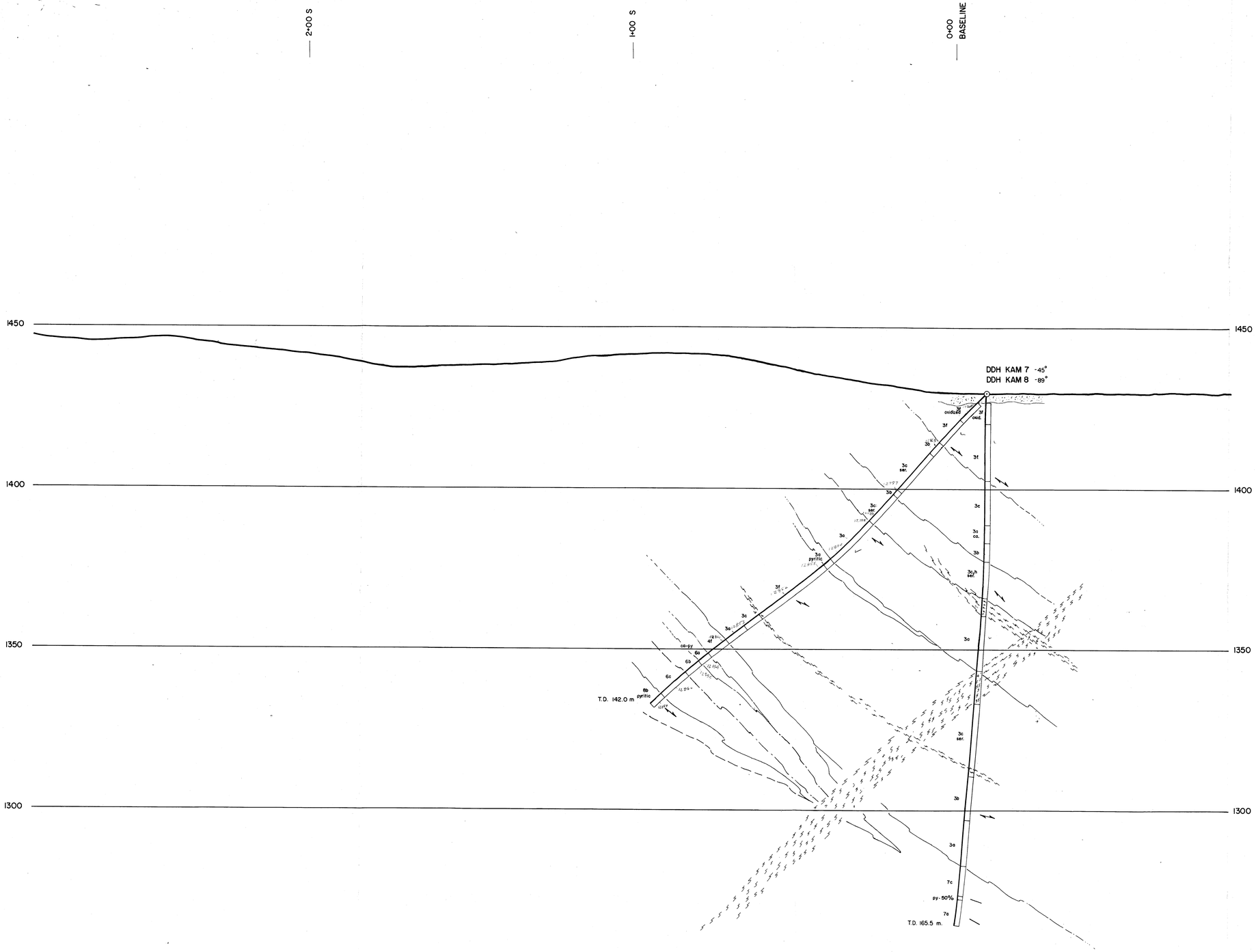
ESSO MINERALS CANADA

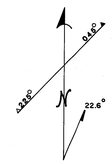
GEOLOGICAL CROSS-SECTION LINE 92+50 EAST

KAMAD 7 PROPERTY

To accompany a report by J. Oliver

Project No. MA07	Mining Division Kamloops
NTS No. 82M/4W	Report No.
Geology By J. OLIVER	Drafted By M.Reed
Date October, 1986	Map No. 18





LEGEND

- 12 Overburden
- UNCONFORMITY
- 11 Felsic intrusive
- 10 Intermediate intrusive
- 9 Mafic intrusive
  - 9a Quartz diorite
  - 9b Porphyritic diorite

FAULTING AND FOLDING

DEVONIAN, MISSISSIPPIAN & OLDER

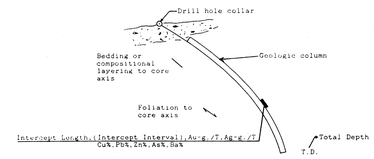
MISSISSIPPIAN

(EBG) EAGLE BAY FORMATION

- 8a Limestone and dolomite
- 8b Heterolithic wacke - conglomerate
- 8c Quartz wacke, minor argillite
- 8d Siltstones, argillite
- 8e Argillite
- 7a Interbedded argillite and intermediate lapilli tuff
- 7b Intermediate lapilli tuff; minor flows
- 7c Intermediate flows
- 7d Intravolcanic chert
- 6a Pyritic tuff and siltite
- 6b Argillite and siltite
- 6c Black chert and chert breccia; minor argillite
- 6d Intermediate flow
- 5a Massive, bedded sulphide
- 5b Massive, bedded barite
- 5c Semi-massive sulphide
- 5d Stockwork and stringer sulphide
- 4a Sericitic to phyllitic chert
- 4b Heterolithic chert breccia
- 4c Cherty argillite
- 4d Argillite
- 4e Chert
- 4f Tuffaceous chert
- 4g Tectonic chert breccia
- 3a Mafic flow
- 3b Sericitic mafic flow
- 3c Mafic lapilli tuff
- 3d Mafic tuff
- 3e Carbonitized mafic lapilli tuff
- 3f Silicified, pyritized mafic lapilli tuff
- 3g Sericitized, pyritized mafic lapilli tuff
- 3h Mafic ash fall
- 3i Intravolcanic chert
- 3j Talcose fine-grained mafic epiclastic
- 2a Intermediate flow
- 2b Intermediate lapilli tuff
- 2c Intermediate ash fall
- 1a Felsic flow
- 1b Felsic lapilli tuff
- 1c Felsic ash fall

SYMBOLS

- Overburden
- Outcrop (areas of outcrop)
- Geological boundary (defined, inferred)
- Fault (defined, assumed, inferred)
- Bedding (horizontal, inclined, vertical)
- Foliation (horizontal, inclined, vertical)
- Lineation (horizontal, inclined)
- Road
- Trench



METHOD CHEMISTRY

ar	Argentite	cp	Chalcopyrite	mag	Magnetite
asp	Arsenopyrite	ep	Epidote	mp	Mariposite
ba	Barite	gal	Galena	py	Pyrite
bx	Breccia	gf	Graphite	qz	Quartz
ca	Calcite	hem	Hematite	sph	Sphalerite
chl	Chlorite	mal	Malachite	sul	Sulphide

SCALE 1:500

10 5 0 5 10 20 30 40 50

Metres

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,754

PART 2 OF 2

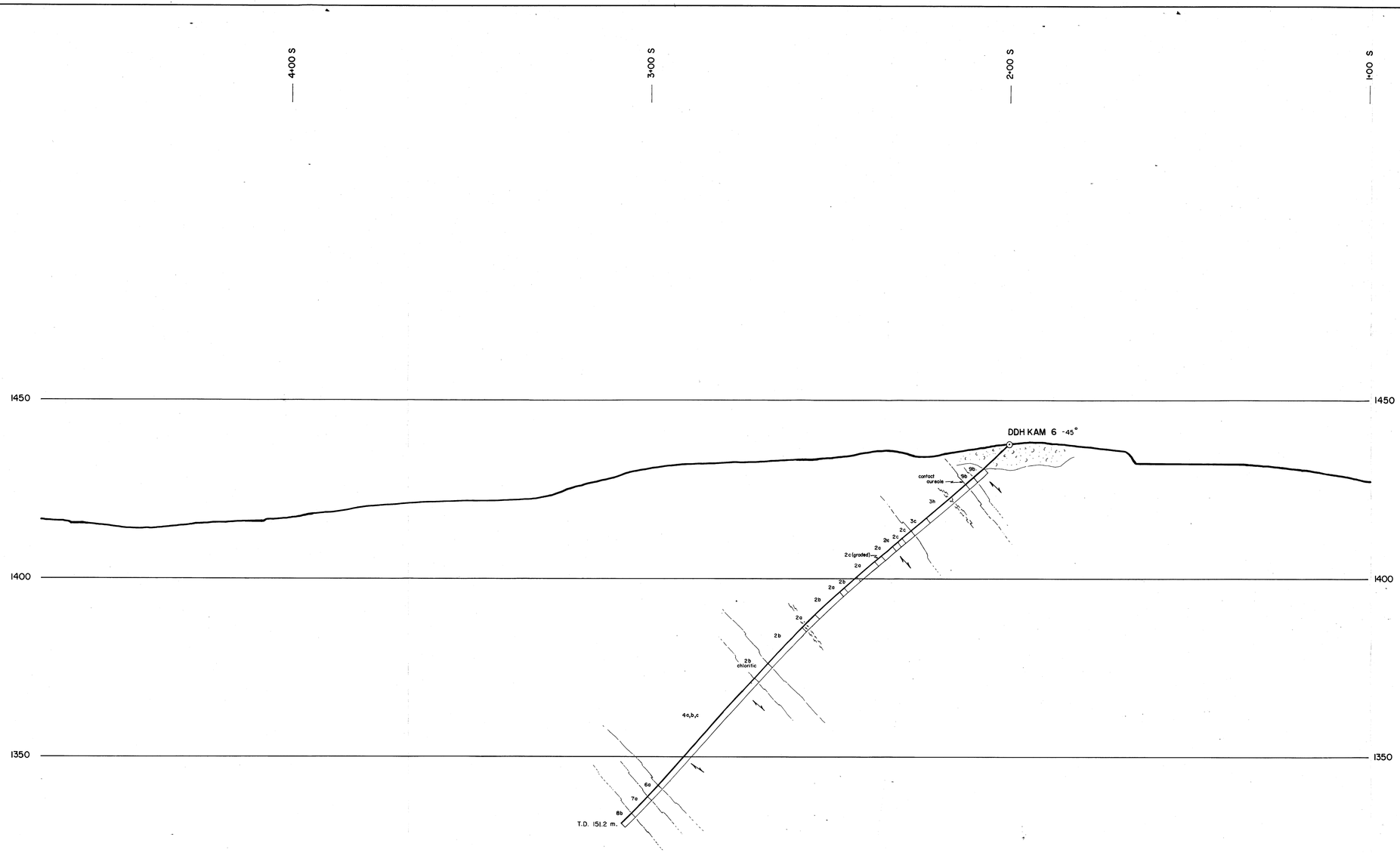
ESSO MINERALS CANADA

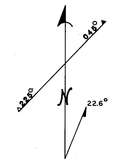
GEOLOGICAL CROSS-SECTION
LINE 91+00 EAST

KAMAD 7 PROPERTY

To accompany a report by J. Oliver

Project No. MA07	Mining Division Kamloops
NTS No. 82M/4W	Report No.
Geology By J. OLIVER	Drafted By M.Reed
Date October, 1986	Map No. 17





LEGEND

- 15 Overburden
- UNCONFORMITY
- 11 Felsic intrusive
- 10 Intermediate intrusive
- 9 Mafic intrusive
  - 9a Quartz diorite
  - 9b Porphyritic diorite

FAULTING AND FOLDING

DEVONIAN, MISSISSIPPIAN & OLDER

MISSISSIPPIAN

(EBG) EAGLE BAY FORMATION

- 8a Limestone and dolomite
- 8b Heterolithic wacke - conglomerate
- 8c Quartz wacke; minor argillite
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- 8e Argillite
- 7a Interbedded argillite and intermediate lapilli tuff
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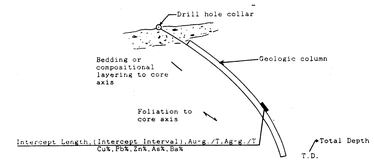
- 7c Intermediate flows
- 7d Intravolcanic chert
- 6a Pyritic tuff and siltite
- 6b Argillite and siltite
- 6c Black chert and chert breccia; minor argillite
- 6d Intermediate flow
- 5a Massive, bedded sulphide
- 5b Massive, bedded barite
- 5c Semi-massive sulphide
- 5d Stockwork and stringer sulphide
- 4a Sericitic to phyllitic chert
- 4b Heterolithic chert breccia
- 4c Cherty argillite
- 4d Argillite
- 4e Chert
- 4f Tuffaceous chert
- 4g Tectonic chert breccia
- 3a Mafic flow
- 3b Sericitic mafic flow
- 3c Mafic lapilli tuff
- 3d Mafic tuff
- 3e Carbonitized mafic lapilli tuff
- 3f Silicified, pyritized mafic lapilli tuff
- 3g Sericitized, pyritized mafic lapilli tuff
- 3h Mafic ash fall
- 3i Intravolcanic chert
- 3j Talcose fine-grained mafic epiclastic
- 2a Intermediate flow
- 2b Intermediate lapilli tuff
- 2c Intermediate ash fall-flow
- 1a Felsic flow
- 1b Felsic lapilli tuff
- 1c Felsic ash fall

SYMBOLS

- Overburden
- Outcrop (area of outcrop)
- Geological boundary (defined, inferred)
- Fault (defined, assumed, inferred)
- Bedding (horizontal, inclined, vertical)
- Foliation (horizontal, inclined, vertical)
- Lineation (horizontal, inclined)
- Road
- Trench



LITHOGEOCHEMISTRY

SiO2, TiO, CaO, MgO%
Na2O, K2O, FeO, Th
P, Al2O3, LOI%
Ba, ..., ppm

ar	Argentite	cp	Chalcopyrite	mag	Magnetite
asp	Arsenopyrite	ep	Epidote	mp	Mariposite
ba	Barite	gal	Galena	py	Pyrite
bx	Breccia	gf	Graphite	qz	Quartz
ca	Calcite	hem	Hematite	sph	Sphalerite
chl	Chlorite	mal	Malachite	sul	Sulphide

SCALE 1:500

10 5 0 5 10 20 30 40 50

Metres

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,754
PART 2 OF 2

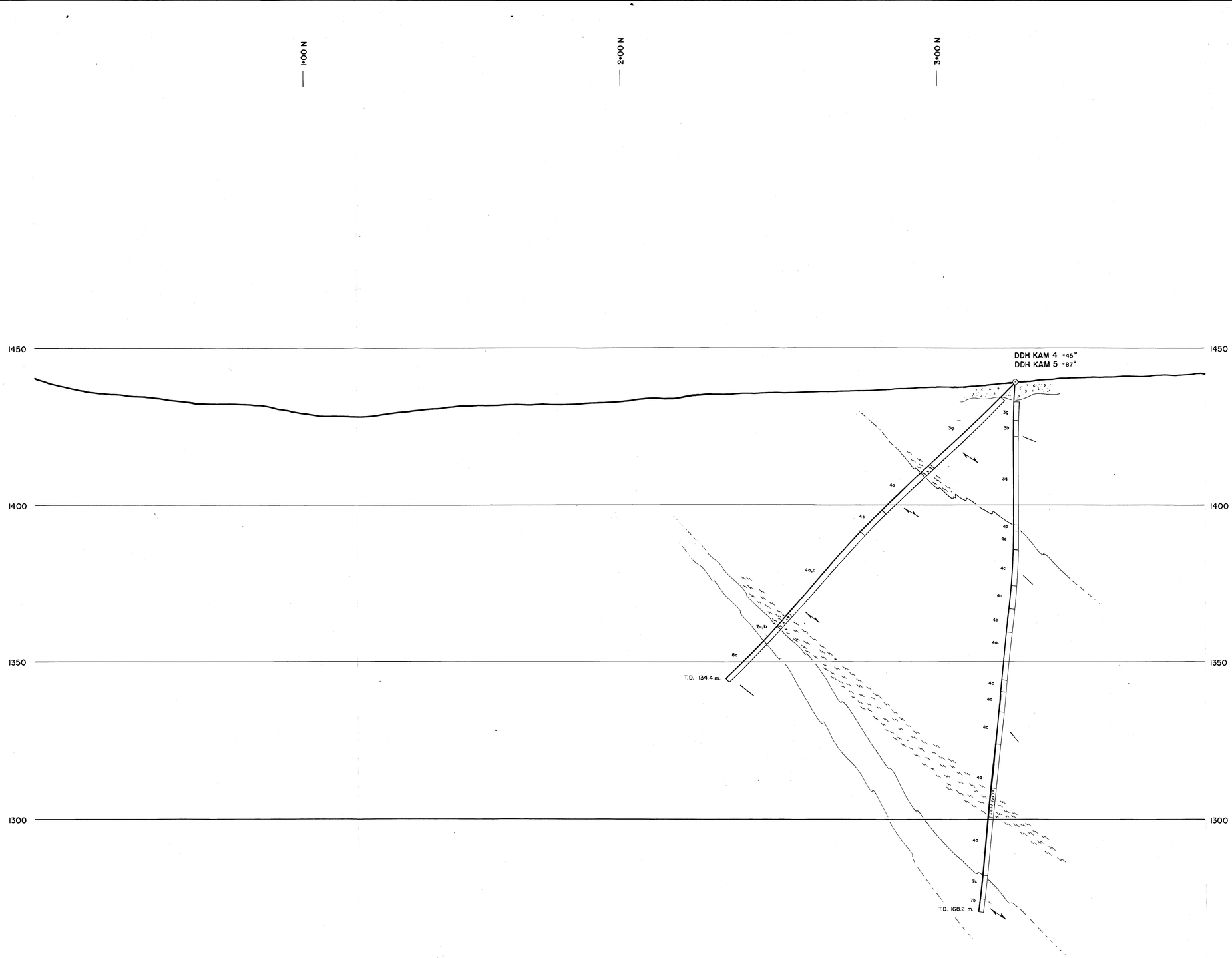
ESSO MINERALS CANADA

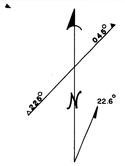
GEOLOGICAL CROSS-SECTION
LINE 86+00 EAST

KAMAD 7 PROPERTY

To accompany a report by J. Oliver

Project No. MA07	Mining Division Kamloops
NTS No. 82M/4W	Report No.
Geology By J. OLIVER	Drafted By M.Reed
Date October, 1986	Map No. 16





LEGEND

- 12 Overburden
- UNCONFORMITY
- 11 Felsic intrusive
- 10 Intermediate intrusive
- 9 Mafic intrusive
  - 9a Quartz diorite
  - 9b Porphyritic diorite

FAULTING AND FOLDING

DEVONIAN, MISSISSIPPIAN & OLDER

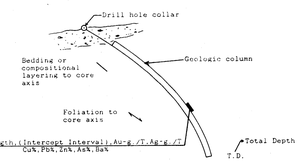
MISSISSIPPIAN

(EBG) EAGLE BAY FORMATION

- 8a Limestone and dolomite
- 8b Heterolithic wacke - conglomerate
- 8c Quartz wacke, minor argillite
- 8d Siltstones, argillite
- 8e Argillite
- 7a Interbedded argillite and intermediate lapilli tuff
- 7b Intermediate lapilli tuff; minor flows
- 7c Intermediate flows
- 7d Intravolcanic chert
- 6a Pyritic tuff and siltite
- 6b Argillite and siltite
- 6c Black chert and chert breccia; minor argillite
- 6d Intermediate flow
- 5a Massive, bedded sulphide
- 5b Massive, bedded barite
- 5c Semi-massive sulphide
- 5d Stockwork and stringer sulphide
- 4a Sericitic to phyllitic chert
- 4b Heterolithic chert breccia
- 4c Cherty argillite
- 4d Argillite
- 4e Chert
- 4f Tuffaceous chert
- 4g Tectonic chert breccia
- 3a Mafic flow
- 3b Sericitic mafic flow
- 3c Mafic lapilli tuff
- 3d Mafic tuff
- 3e Carbonitized mafic lapilli tuff
- 3f Silicified, pyritized mafic lapilli tuff
- 3g Sericitized, pyritized mafic lapilli tuff
- 3h Mafic ash fall
- 3i Intravolcanic chert
- 3j Talcose fine-grained mafic epiclastic
- 2a Intermediate flow
- 2b Intermediate lapilli tuff
- 2c Intermediate ash fall
- 1a Felsic flow
- 1b Felsic lapilli tuff
- 1c Felsic ash fall

SYMBOLS

Overburden
Outcrop (area of outcrop)
Geological boundary (defined, inferred)
Fault (defined, assumed, inferred)
Bedding (horizontal, inclined, vertical)
Foliation (horizontal, inclined, vertical)
Lineation (horizontal, inclined)
Road
Trench



LITHOGEOCHEMISTRY

SiO2, TiO2, CaO, MgO%
Na2O, K2O, FeO, Cr%
P, Al2O3, LOI%
Ba, ..., Zr, ppm

ar	Argentite	cp	Chalcopyrite	mag	Magnetite
asp	Arsenopyrite	ep	Epidote	mp	Mariposite
ba	Barite	gal	Galena	py	Pyrite
bx	Breccia	gf	Graphite	qz	Quartz
ca	Calcite	hem	Hematite	sph	Sphalerite
chl	Chlorite	mal	Malachite	sul	Sulphide

SCALE 1:500

10 5 0 5 10 20 30 40 50

Metres

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,754

PART 2 OF 2

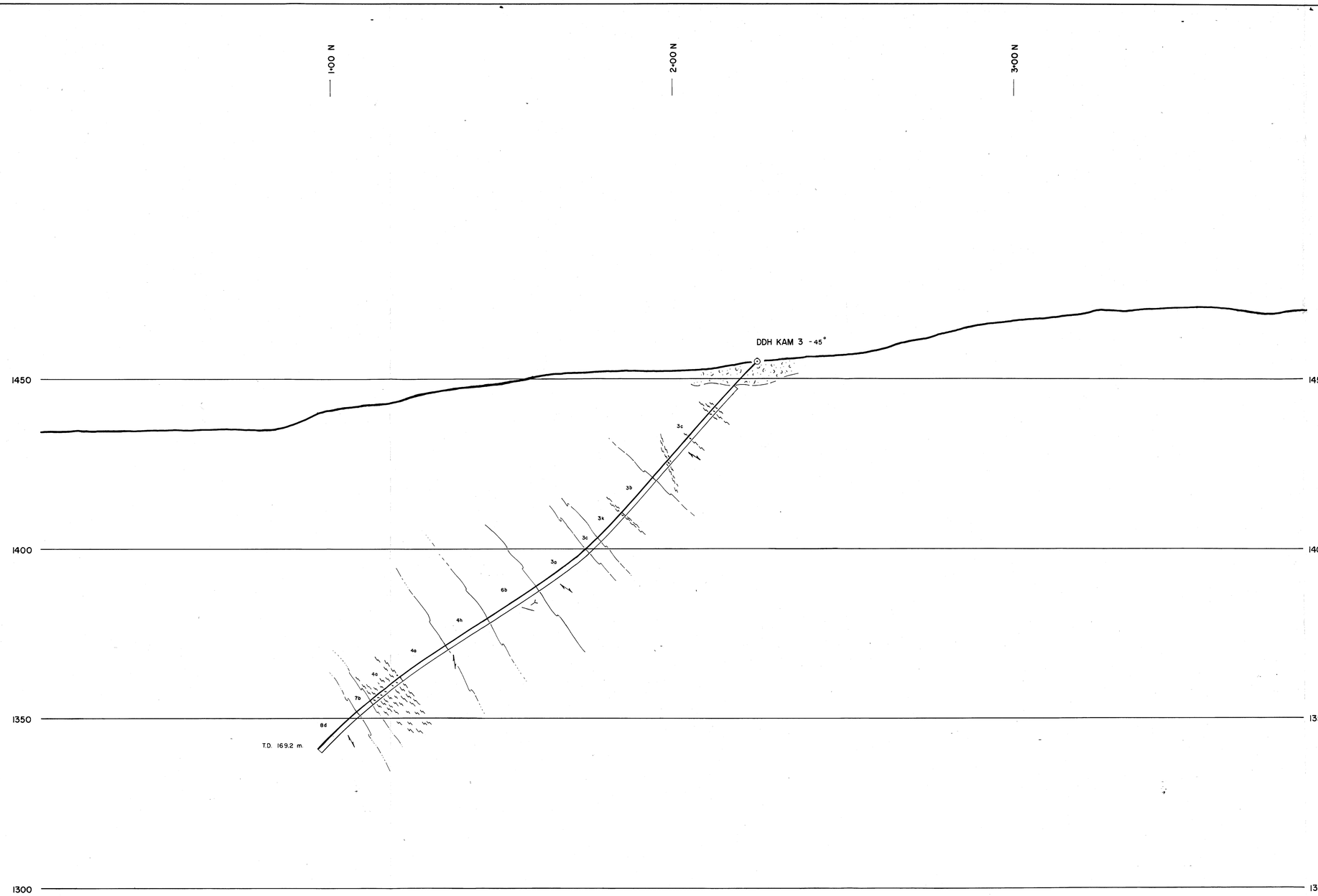
ESSO MINERALS CANADA

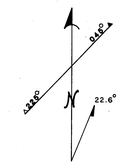
GEOLOGICAL CROSS-SECTION
LINE 89 00 EAST

KAMAD 7 PROPERTY

To accompany a report by J. Oliver

Project No. MA07	Mining Division Kamloops
NTS No. 82M/4W	Report No.
Geology By J. OLIVER	Drafted By M.Reed
Date October, 1986	Map No. 15





LEGEND

- 10 Overburden
- UNCONFORMITY
- 11 Felsic intrusive
- 10 Intermediate intrusive
- 9 Mafic intrusive
  - 9a Quartz diorite
  - 9b Porphyritic diorite

FAULTING AND FOLDING

DEVONIAN, MISSISSIPPIAN & OLDER

MISSISSIPPIAN

(EBG) EAGLE BAY FORMATION

- 8a Limestone and dolomite
- 8b Heterolithic wacke - conglomerate
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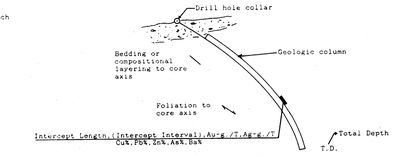
- 7c Intermediate flows
- 7d Intravolcanic chert
- 6a Pyritic tuff and siltite
- 6b Argillite and siltite
- 6c Black chert and chert breccia; minor argillite
- 6d Intermediate flow
- 5a Massive, bedded sulphide
- 5b Massive, bedded barite
- 5c Semi-massive sulphide
- 5d Stockwork and stringer sulphide
- 4a Sericitic to phyllitic chert
- 4b Heterolithic chert breccia
- 4c Cherty argillite
- 4d Argillite
- 4e Chert
- 4f Tuffaceous chert
- 4g Tectonic chert breccia
- 4h Talcose clay - siltstones
- 3a Mafic flow
- 3b Sericitic mafic flow
- 3c Mafic lapilli tuff
- 3d Mafic tuff
- 3e Carbonitized mafic lapilli tuff
- 3f Silicified, pyritized mafic lapilli tuff
- 3g Sericitized, pyritized mafic lapilli tuff
- 3h Mafic ash fall
- 3i Intravolcanic chert
- 3j Talcose fine-grained mafic epiclastic
- 3k Silicified mafic pyroclastic
- 2a Intermediate flow
- 2b Intermediate lapilli tuff
- 2c Intermediate ash fall
- 1a Felsic flow
- 1b Felsic lapilli tuff
- 1c Felsic ash fall

SYMBOLS

- Overburden
- Outcrop (area of outcrop)
- Geological boundary (defined, inferred)
- Fault (defined, assumed, inferred)
- Bedding (horizontal, inclined, vertical)
- Foliation (horizontal, inclined, vertical)
- Lineation (horizontal, inclined)
- Road
- Trench



LITHOGEOCHEMISTRY

SiO2, TiO, CaO, MgO%
Na2O, K2O, Fe2O3%
P, Al2O3, LOI%
Ba, Cl, Zn, ppm

ar	Argentite	cp	Chalcopyrite	mag	Magnetite
asp	Arsenopyrite	ep	Epidote	sp	Hariposite
ba	Barite	gal	Galena	py	Pyrite
bx	Breccia	gf	Graphite	qz	Quartz
ca	Calcite	hem	Hematite	sph	Sphalerite
chl	Chlorite	mal	Malachite	sul	Sulphide

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,754

PART 2 OF 2

SCALE 1:500

10 5 0 5 10 20 30 40 50

Metres

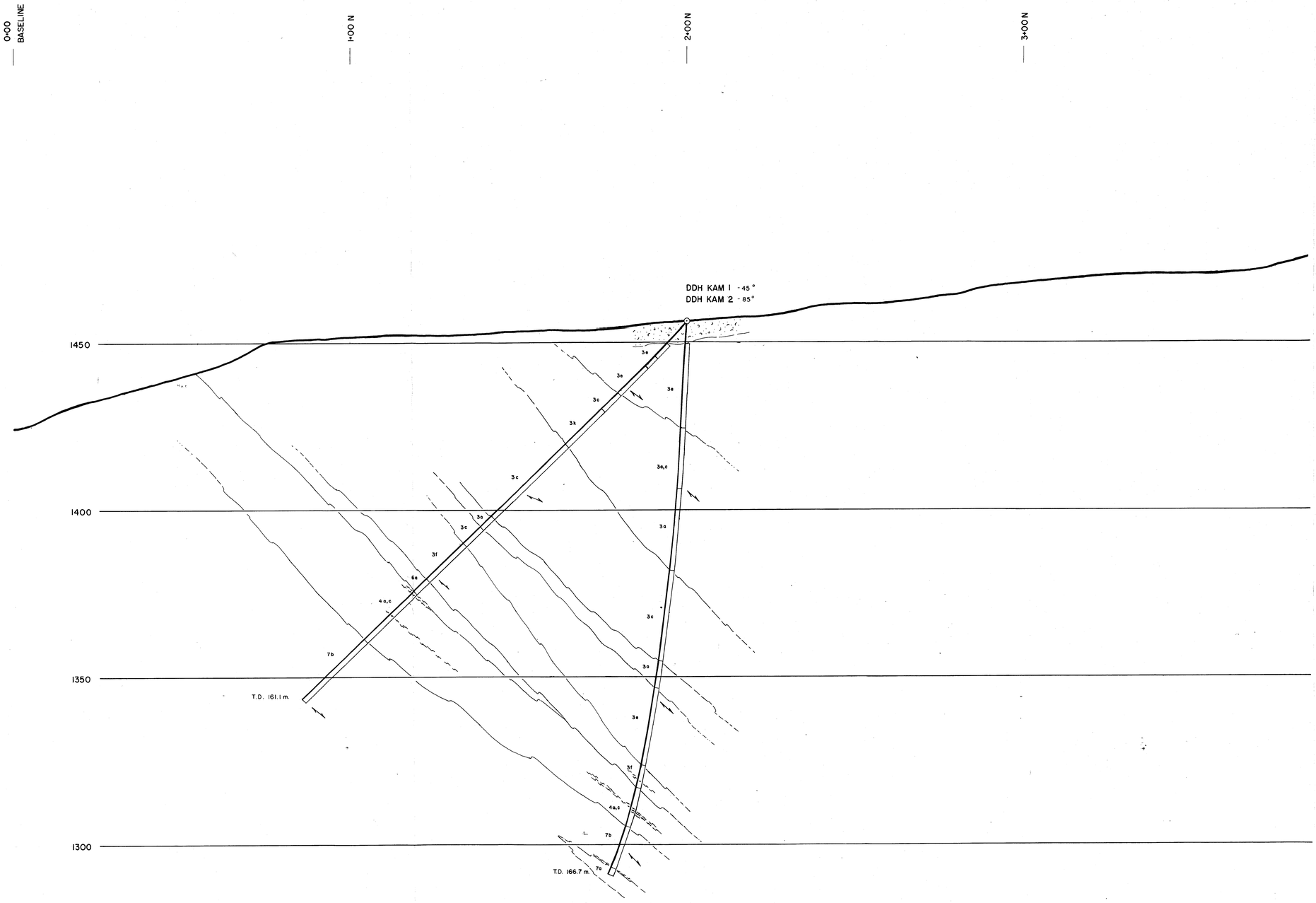
ESSO MINERALS CANADA

GEOLOGICAL CROSS-SECTION
LINE 87+50 EAST

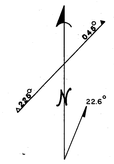
KAMAD 7 PROPERTY

To accompany a report by J. Oliver

Project No. MA07	Mining Division Kamloops
NTS No. 82M/4W	Report No.
Geology By J. OLIVER	Drafted By M. Reed
Date October, 1986	Map No. 14



ELEVATION (meters A.M.S.L.)



LEGEND

12 Overburden

UNCONFORMITY

11 Felsic intrusive
10 Intermediate intrusive
9 Mafic intrusive
- 9a Quartz diorite
- 9b Porphyritic diorite

FAULTING AND FOLDING

DEVONIAN, MISSISSIPPIAN & OLDER

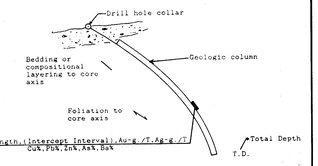
MISSISSIPPIAN

(EBG) EAGLE BAY FORMATION

- 8a Limestone and dolomite
- 8b Heterolithic wacke - conglomerate
- 8c Quartz wacke, minor argillite
- 8d Siltstones, argillite
- 8e Argillite
- 7a Interbedded argillite and intermediate lapilli tuff
- 7b Intermediate lapilli tuff; minor flows
- 7c Intermediate flows
- 7d Intravolcanic chert
- 6a Pyritic tuff and siltite
- 6b Argillite and siltite
- 6c Black chert and chert breccia; minor argillite
- 6d Intermediate flow
- 5a Massive, bedded sulphide
- 5b Massive, bedded barite
- 5c Semi-massive sulphide
- 5d Stockwork and stringer sulphide
- 4a Sericitic to phyllitic chert
- 4b Heterolithic chert breccia
- 4c Cherty argillite
- 4d Argillite
- 4e Chert
- 4f Tuffaceous chert
- 4g Tectonic chert breccia
- 3a Mafic flow
- 3b Sericitic mafic flow
- 3c Mafic lapilli tuff
- 3d Mafic tuff
- 3e Carbonitized mafic lapilli tuff
- 3f Silicified, pyritized mafic lapilli tuff
- 3g Sericitized, pyritized mafic lapilli tuff
- 3h Mafic ash fall
- 3i Intravolcanic chert
- 3j Talcose fine-grained mafic epiclastic
- 3k Silicified mafic pyroclastic
- 2a Intermediate flow
- 2b Intermediate lapilli tuff
- 2c Intermediate ash fall
- 1a Felsic flow
- 1b Felsic lapilli tuff
- 1c Felsic ash fall

SYMBOLS

Overburden
Outcrop (area of outcrop)
Geological boundary (defined, inferred)
Fault (defined, assumed, inferred)
Bedding (horizontal, inclined, vertical)
Foliation (horizontal, inclined, vertical)
Lineation (horizontal, inclined)
Road
Trench



LITHOGEOCHEMISTRY

SiO2, TiO, CaO, MgO%
Na2O, K2O, Fe2O3, %
P, Al2O3, LOI%
Ba, Cu, Zn, ppm

ar	Argentite	cp	Chalcopyrite	mag	Magnetite
asp	Arsenopyrite	ep	Epidote	mp	Mariposite
ba	Barite	gal	Galena	py	Pyrite
bx	Breccia	gf	Graphite	qs	Quartz
ca	Calcite	hem	Hematite	sph	Sphalerite
chl	Chlorite	mal	Malachite	sul	Sulphide

SCALE 1:500

10 5 0 5 10 20 30 40 50
Metres

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,754
PART 2 OF 2

ESSO MINERALS CANADA

GEOLOGICAL CROSS-SECTION
LINE 86+00 EAST

KAMAD 7 PROPERTY

To accompany a report by J. Oliver

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