

E149

15755

PART

Part 1 inside.

2 OF 2

GEOLOGICAL, GEOCHEMICAL & GEOPHYSICAL
REPORT ON THE

TYAUGHTON TROUGH PROJECTS
CLINTON MINING DIVISION

NTS 920/3

Lat. $51^{\circ}06'N$ Long: $124^{\circ}27'W$

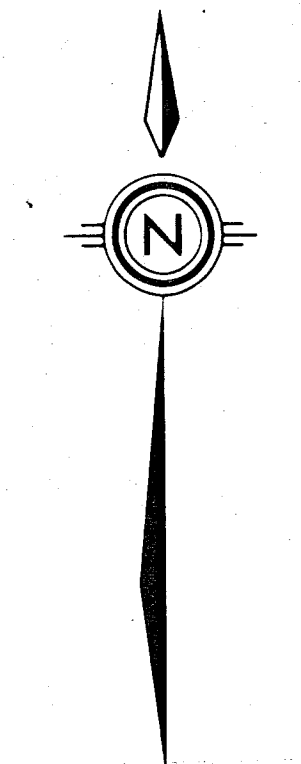
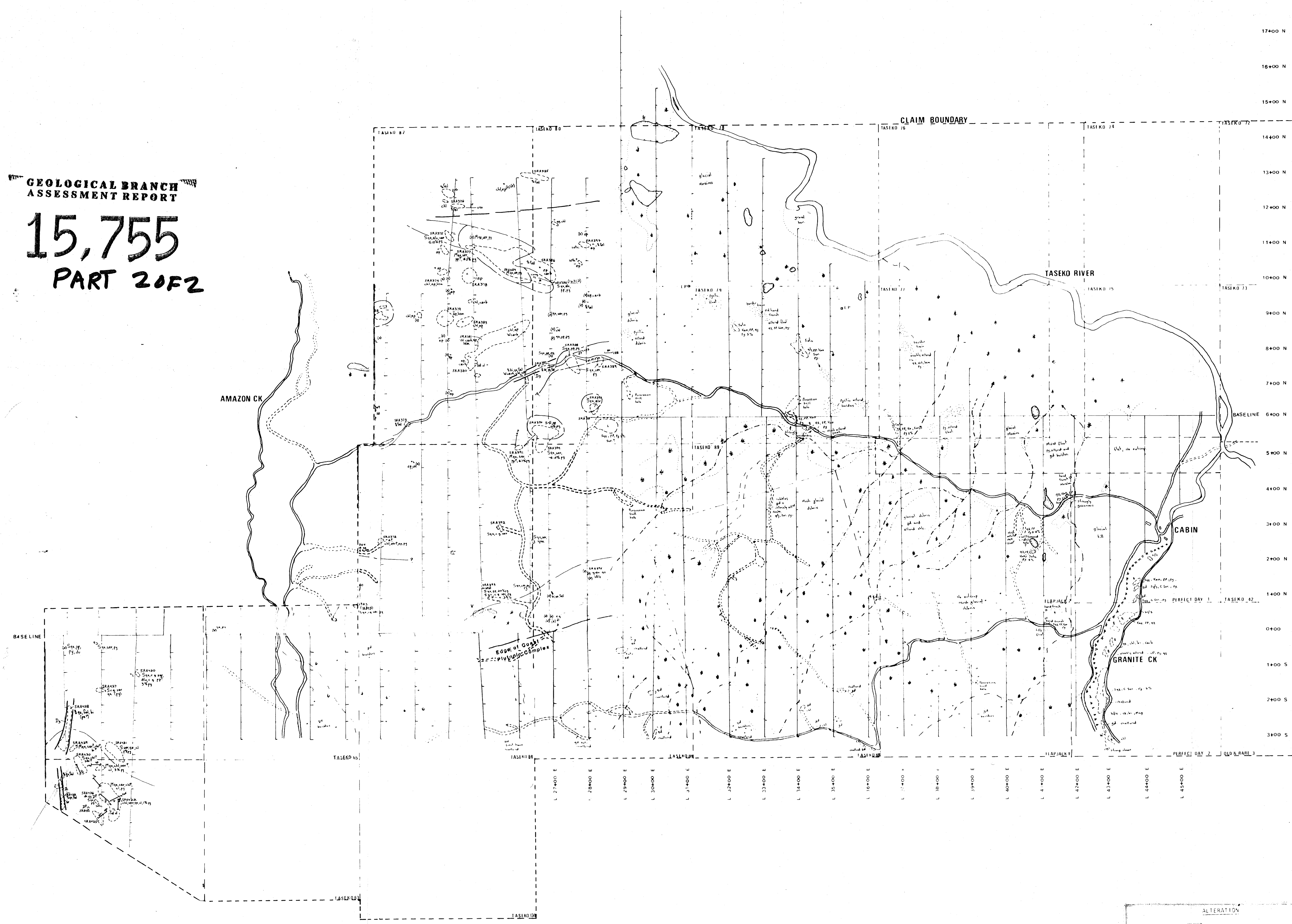
ESSO RESOURCES CANADA LIMITED

VOLUME II OF II

written, Marsden, Melnyk Oct. 31, 1986

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

**15,755
PART 2 OF 2**



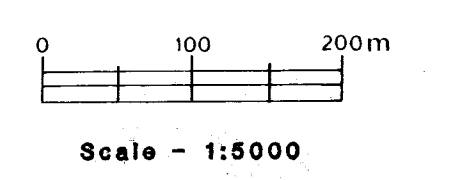
LEGEND

- KINGSVALE GROUP
(Cretaceous)**
- (a) Upper porphyritic andesite
 - (b) Tuffs and intercalated flows and flow breccias
 - (c) Lower porphyritic andesite with intercalated tuff
- ▲ hydrothermal breccia
 - △ tuff
 - △ pyroclastic breccia
 - △ lapilli
 - △ porphyry
 - porphyritic plutonic rock
 - ▨ strongly silicified
 - D, D₂ dykes (see text)

SYMBOLS

- geologic contact
- - - alteration contact
- (x) outcrop; float
- fault; shear/gouge zone
- bedding; flow banding
- fractures (inclined; vertical)
- soil sample; composite soil sample
- x rock sample site; rock chip sample
- geology station/sample
- (15.33) rock sample for analysis

MINERALOGY	
aa	advanced argillite
alu	alunite
di	diorite
bx	breccia
carb	carbonate
co	coarse-grained
com	conglomerate
chl	chlorite
cl	clay
cn	chalcedony
cor	corundum
di	diorite
dic	diorite
dk	dark
du	duroterite
ep	epidote
fel	feldspar
gr	green
gran	granular
gr	green
hem	hematite
hfls	hornfels
jar	jarosite
ka	kaolinite
l	light
lv	lava
m	moderate intensity
mg	magnetite
med	medium-grained
pl	plagioclase
pp	pyrophyllite
pr	purple
px	pyroxene
py	pyrite
q	quartz
s	strong intensity
ser	sericite
vid	viderieite
sub	suboutcrop
sp	specularite
sur	surmaline
st	stain
w	weak intensity
cr	crystal
y	yellow



ALTERATION	
qz	Quartz
alu	Alunite
pp	Pyrophyllite
ser	Sericite
cl	Clay
chl	Chlorite
hfls	Hornfels

ESSO MINERALS CANADA

SCURRY PROJECT

GEOLOGY AND ALTERATION

PROJECT MA79	MAP 2179-01
NTS 92 o/3	MIN DIV. CLINTON
DATE OCT 1986	By W.M. G.D.



CLAIM BOUNDARY

HONDURAS CK

CORNER POST

16400 N
15400 N
14400 N
13400 N
12400 N
11400 N
10400 N
9400 N
8400 N
7400 N
6400 N
5400 N
4400 N
3400 N
2400 N
1400 N
0400 N

14400 W
13400 W
12400 W
11400 W
10400 W
9400 W
8400 W
7400 W
6400 W
5400 W
4400 W

HON 1 4N X 5W

HON 2 4S X 5W

CHILCOTIN 1

CHILCOTIN 3

LEGAL CORNER POST

LEGEND

KINGSVALE GROUP (Cretaceous)

- (a) Upper porphyritic andesite
- (b) Tuffs and intercalated flows and flow breccias
- (c) Lower porphyritic andesite with intercalated tuff

- ▲ hydrothermal breccia
- tuff
- △ pyroclastic breccia
- ∇ lapilli
- ∞ porphyry
- ∇ porphyritic plutonic rock
- ||||| strongly silicified
- D₁, D₂ dykes (see text)

SYMBOLS

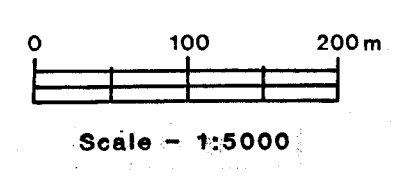
- geologic contact
- - - alteration contact
- (x) outcrop; float
- - - fault; shear/gouge zone
- bedding; flow banding
- fractures (inclined; vertical)
- soil sample; composite soil sample
- x rock sample site; rock chip sample
- geology station/sample
- (1231) rock sample for analysis

ABBREVIATIONS

aa	advanced argillite	lea	leached
alu	alunite	lim	limonite
bi	biotite	lt	light
bx	breccia	lv	lava
carb	carbonate	M	moderate intensity
c.g.	coarse-grained	mag	magnetite
cgl	conglomerate	m.g.	medium-grained
chl	chlorite	pl	plagioclase
cl	clay	pp	pyrophyllite
cn	chalcedony	pur	purple
cor	corundum	px	pyroxene
di	diorite	py	pyrite
dic	dickite	qz	quartz
dk	dark	S	strong intensity
du	dumortierite	ser	sericite
ep	epidote	sid	siderite
fel	felspar	sofc.	suboutcrop
gr	green	spec	specularite
gran	granular	tour	tourmaline
gy	grey	v	vein
hem	hematite	W	weak intensity
hfls	hornfels	xl	crystal
jar	jarosite	yel	yellow
kn	kaolinite		

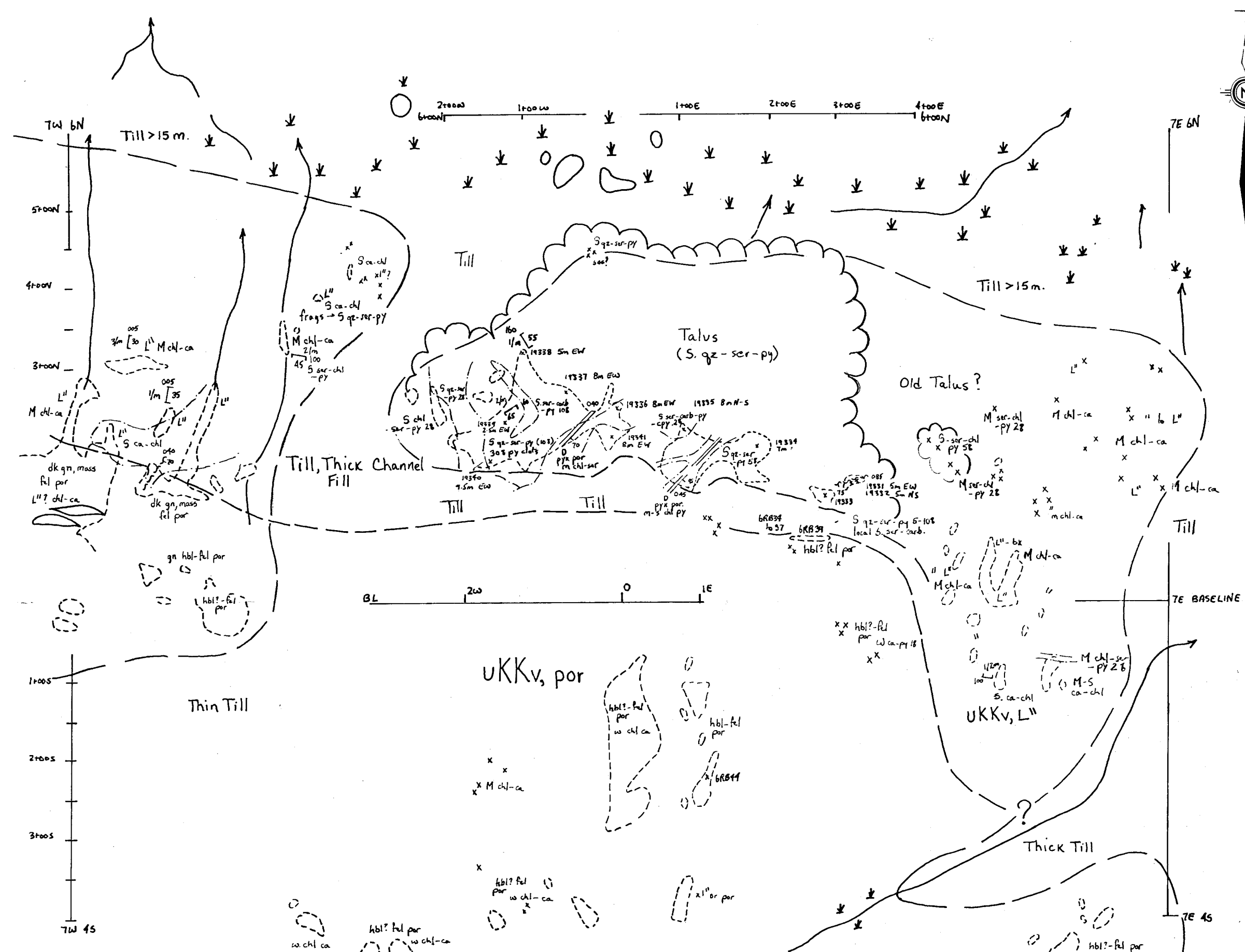
ALTERATION

- Quartz
- Alunite
- Pyrophyllite
- Sericite
- Clay
- Chlorite
- Hornfels



ESSO MINERALS CANADA	
HON PROJECT	
GEOLOGY	
Project No.: Me05	Mining Division: Clinton
NTS.: 920/3W	Drn By: W.M.
Date: Oct. 1988	Map No.: 2105-01

GEOLOGICAL BRANCH
ASSESSMENT REPORT **PART**
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STRATIFIED ROCKS	
QUATERNARY	
Q	Glacial, alluvial and fluvial deposits
CRETACEOUS	
Kingsvale Group	
UKKv	Andesitic lapilli tuffs, breccia and subvolcanic feldspar porphyry dikes and sills
UKKs	Interbedded muscovite biotite greywacke, shale and chert pebble conglomerate
Taylor Creek Group	
IKTc	Shale, siltstone, chert pebble conglomerate. Thinly bedded shale, siltstone and green-grey chert-volcanic pebble to cobble conglomerate.
Relay Mountain Group	
IKRM	Interbedded shale, green fossiliferous siltstone and feldspathic greywacke. Local chert-limestone cobble conglomerate.
MJRM	
PLUTONIC ROCKS	
TERTIARY ?	
EE	Subcrowded feldspar porphyry (± hornblende, biotite, quartz)
DI	Quartz feldspar dikes
D	Undifferentiated dikes
CRETACEOUS	
UKKI	Subcrowded hornblende-pyroxene-feldspar porphyry stocks
SYMBOLS	
[Symbol]	Geological Contact (positive, inferred)
[Symbol]	Alteration Boundary (positive, inferred)
[Symbol]	Outcrop Boundary
[Symbol]	Fault (positive, inferred)
[Symbol]	Thrust Fault (positive, inferred)
[Symbol]	Fault Attitude
[Symbol]	Shear
[Symbol]	Headings (tops unknown, known)
[Symbol]	Fractures
[Symbol]	Vein
[Symbol]	Stringer
[Symbol]	Fossil Locality
[Symbol]	Rock Sample (outcrop, float)
[Symbol]	Soil Sample
[Symbol]	Nodded (g)
[Symbol]	Trench
[Symbol]	gal
[Symbol]	hbl
[Symbol]	hornblende
[Symbol]	hem
[Symbol]	hematite
[Symbol]	kf
[Symbol]	K-feldspar
[Symbol]	mal
[Symbol]	Malachite
[Symbol]	mag
[Symbol]	Magnetite
[Symbol]	po
[Symbol]	Pyrite
[Symbol]	py
[Symbol]	qtz
[Symbol]	Quartz
[Symbol]	spec
[Symbol]	Specularite
[Symbol]	sph
[Symbol]	Sphalerite
VOLCANICS	
[Symbol]	Pyroclastic breccia (prcl bx)
[Symbol]	Tuff breccia (tE bx)
[Symbol]	Lapilli tuff (lp tE)
[Symbol]	Tuff (tE)
[Symbol]	Lava
[Symbol]	Porphyritic lava
[Symbol]	cg
[Symbol]	Coarse grained
[Symbol]	dk
[Symbol]	Dark
[Symbol]	fg
[Symbol]	Fine grained
[Symbol]	gr
[Symbol]	Green
[Symbol]	gy
[Symbol]	Grey
[Symbol]	lt
[Symbol]	Light
[Symbol]	m
[Symbol]	Medium
[Symbol]	mg
[Symbol]	Medium grained
[Symbol]	msw
[Symbol]	Massive
[Symbol]	por
[Symbol]	Porphyry
[Symbol]	xl
[Symbol]	Crystal
MINERALS	
[Symbol]	bl
[Symbol]	Biotite
[Symbol]	bn
[Symbol]	Bornite
[Symbol]	ca
[Symbol]	Calcite
[Symbol]	carb
[Symbol]	Carbonate
[Symbol]	chl
[Symbol]	Chlorite
[Symbol]	cp
[Symbol]	Chalcopyrite
[Symbol]	fd
[Symbol]	Feldspar
[Symbol]	fo
[Symbol]	Fe-Oxides
[Symbol]	gal
[Symbol]	Galena
[Symbol]	hbl
[Symbol]	Hornblende
[Symbol]	hem
[Symbol]	Hematite
[Symbol]	kf
[Symbol]	K-feldspar
[Symbol]	mal
[Symbol]	Malachite
[Symbol]	mag
[Symbol]	Magnetite
[Symbol]	po
[Symbol]	Pyrite
[Symbol]	py
[Symbol]	Pyrite
[Symbol]	qtz
[Symbol]	Quartz
[Symbol]	spec
[Symbol]	Specularite
[Symbol]	sph
[Symbol]	Sphalerite
OTHER	
[Symbol]	bik
[Symbol]	Black
[Symbol]	brn
[Symbol]	Brown
[Symbol]	bx
[Symbol]	Breccia
[Symbol]	cg
[Symbol]	Coarse grained
[Symbol]	dk
[Symbol]	Dark
[Symbol]	fg
[Symbol]	Fine grained
[Symbol]	gr
[Symbol]	Green
[Symbol]	gy
[Symbol]	Grey
[Symbol]	lt
[Symbol]	Light
[Symbol]	m
[Symbol]	Medium
[Symbol]	mg
[Symbol]	Medium grained
[Symbol]	msw
[Symbol]	Massive
[Symbol]	por
[Symbol]	Porphyry
[Symbol]	xl
[Symbol]	Crystal
HYDROTHERMAL ALTERATION	
[Symbol]	Silicified
[Symbol]	Silicification
[Symbol]	Stockwork
[Symbol]	Hydrothermal breccia
[Symbol]	bl
[Symbol]	Biotite
[Symbol]	chl
[Symbol]	Chlorite
[Symbol]	carb
[Symbol]	Carbonate
[Symbol]	ca
[Symbol]	Calcite
[Symbol]	cl
[Symbol]	Clay
[Symbol]	ep
[Symbol]	Epidote
[Symbol]	fr
[Symbol]	Fracture
[Symbol]	hfs
[Symbol]	Hornfels
[Symbol]	K/D
[Symbol]	Kaolinite
[Symbol]	kf
[Symbol]	K-feldspar
[Symbol]	lea
[Symbol]	Leached
[Symbol]	lim
[Symbol]	Limonite
[Symbol]	ser
[Symbol]	Sericite
[Symbol]	v
[Symbol]	Vein
[Symbol]	s
[Symbol]	Strong
[Symbol]	m
[Symbol]	Moderate
[Symbol]	w
[Symbol]	Weak

0 50 100 Metres
Scale 1:5,000

ESSO MINERALS CANADA

BIG CREEK PROJECT
GRID 1
GEOLOGY MAP

To Accompany A Report By	
Project No. MA08	Mining Division Clinton
NTS 92 O/3	Field Work By: R.B. & H.M.
Date Sept 1986	Map No. 2108-2

GEOLOGICAL BRANCH
ASSESSMENT REPORT

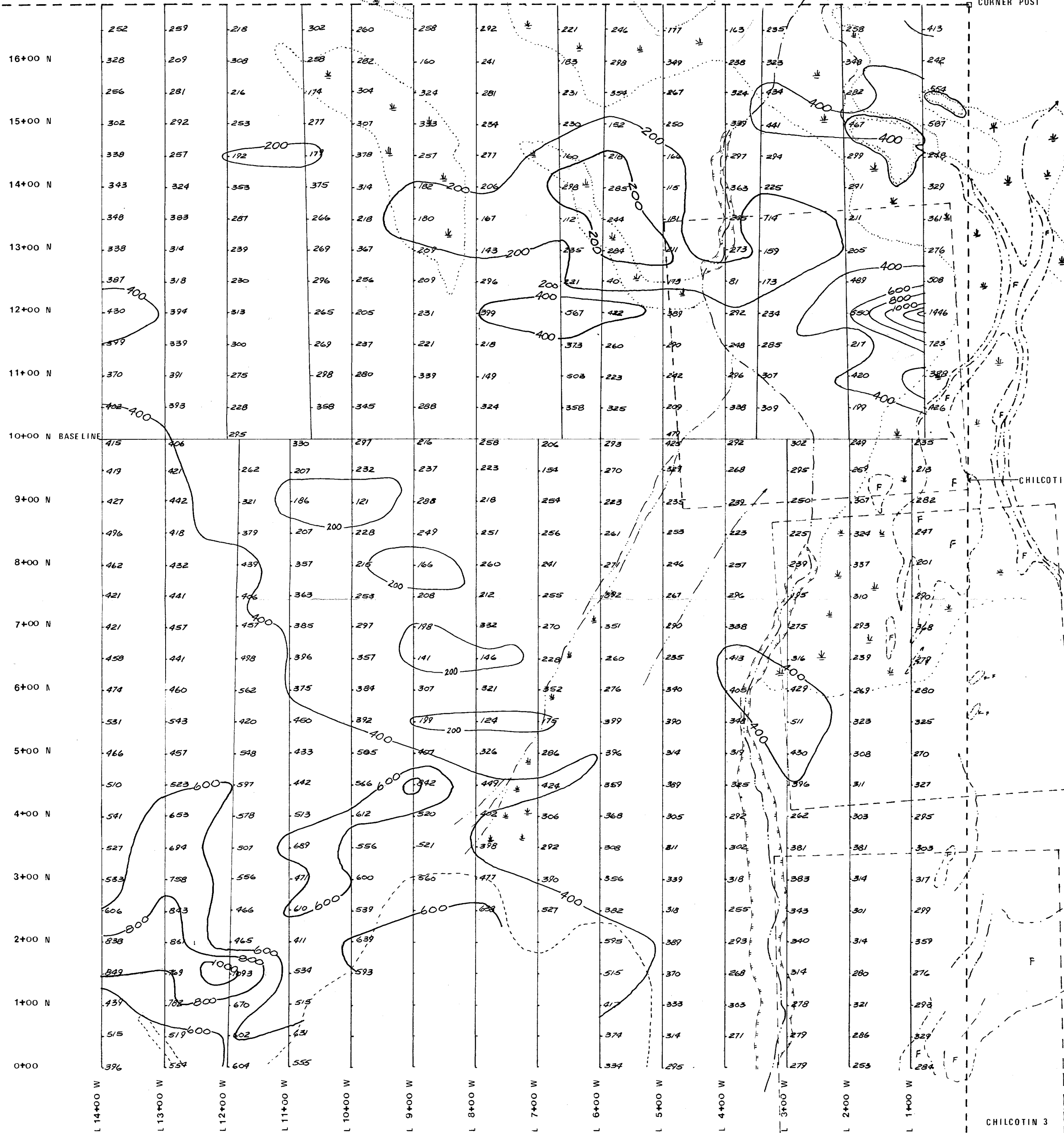
15,755
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HONDURAS CK

CLAIM BOUNDARY

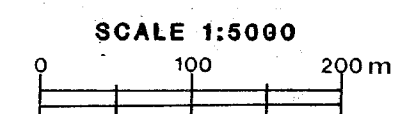
CORNER POST



GEOLOGICAL BRANCH
ASSESSMENT REPORT

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Assumed Geomagnetic Field = 57,000 Y



HON 1 4N x 5W

HON 2 4S x 5W

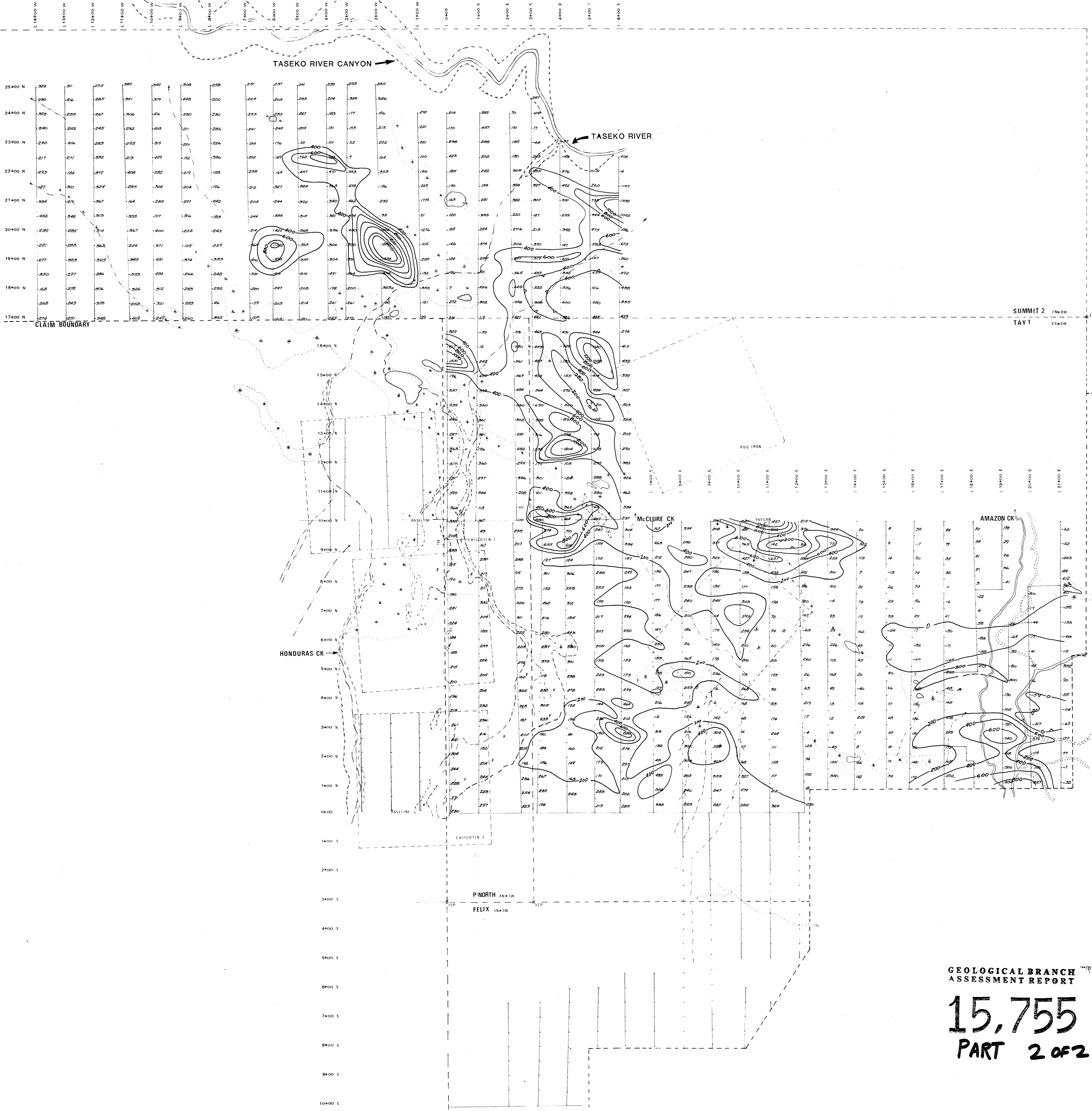
LCP

ESSO MINERALS CANADA

HON PROJECT
CONTOURED MAGNETIC MAP

To accompany a report by W. Melnyk

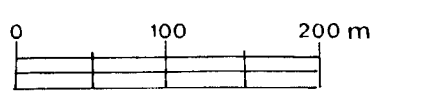
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NTS No. 920/3	Report No.
Survey By S. Lowe	Drafted By S. Lowe
Date Oct. 1988	Map No. 2105-06



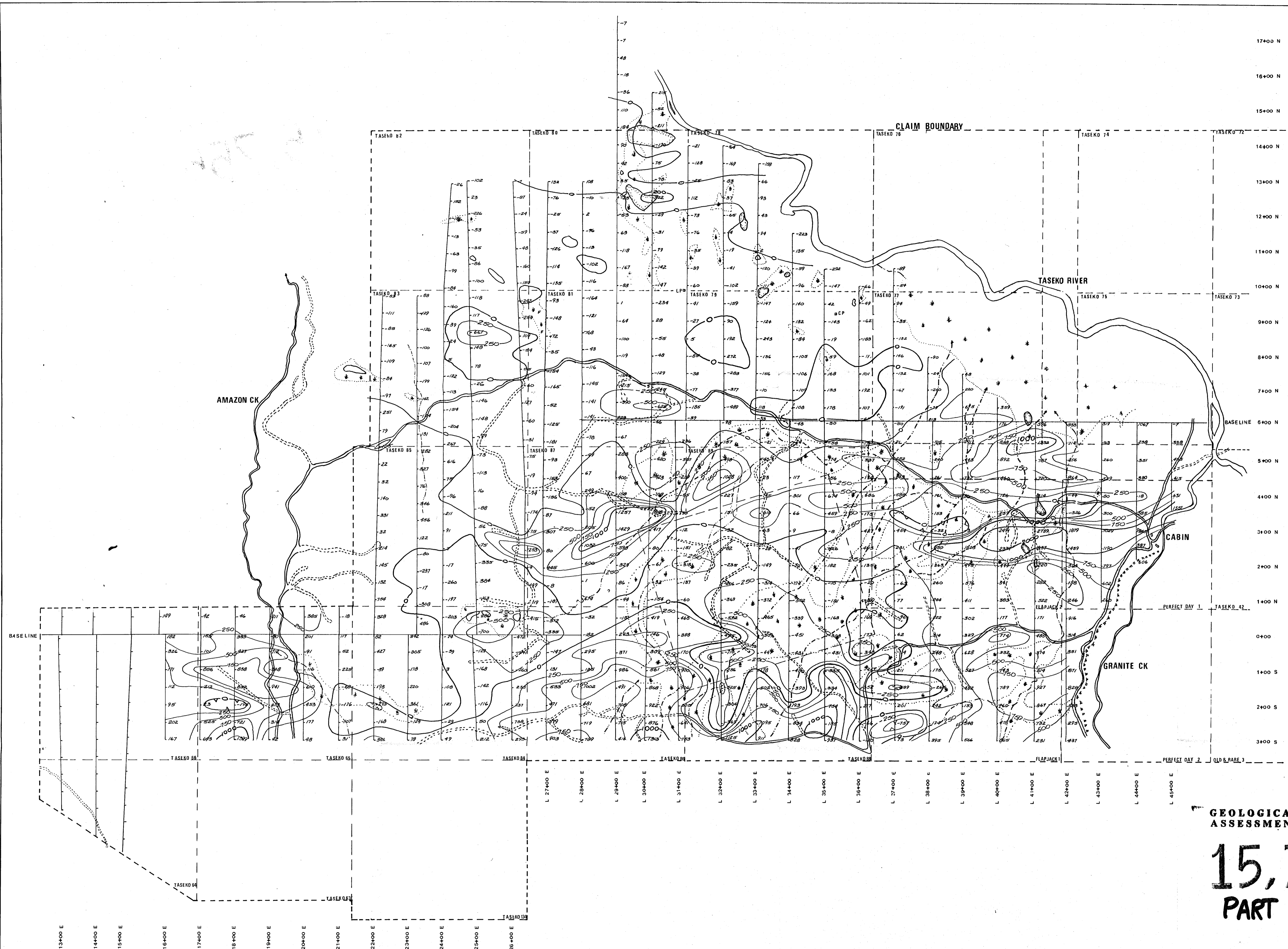
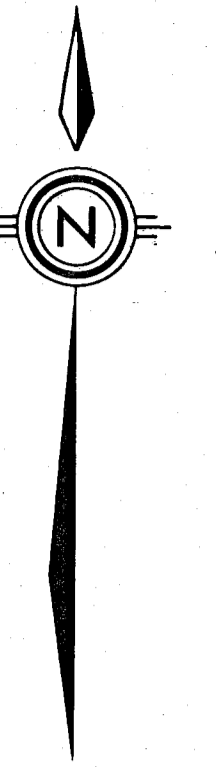
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 Assumed Earth's Magnetic Field=57000 γ

**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

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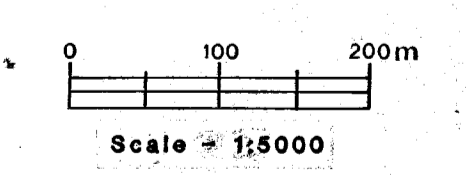
ESSO MINERALS CANADA		
GENOVA PROJECT MAGNETOMETER SURVEY		
To accompany a report by W. Melnyk		
Project No. MA03	Mining Division	Clinton
N.T.S. No. 920/3	Report No.	
Field Work By S. Lowe	Drafted By S. Lowe	
Date 08 Aug. 1986	Map No.	2103-08



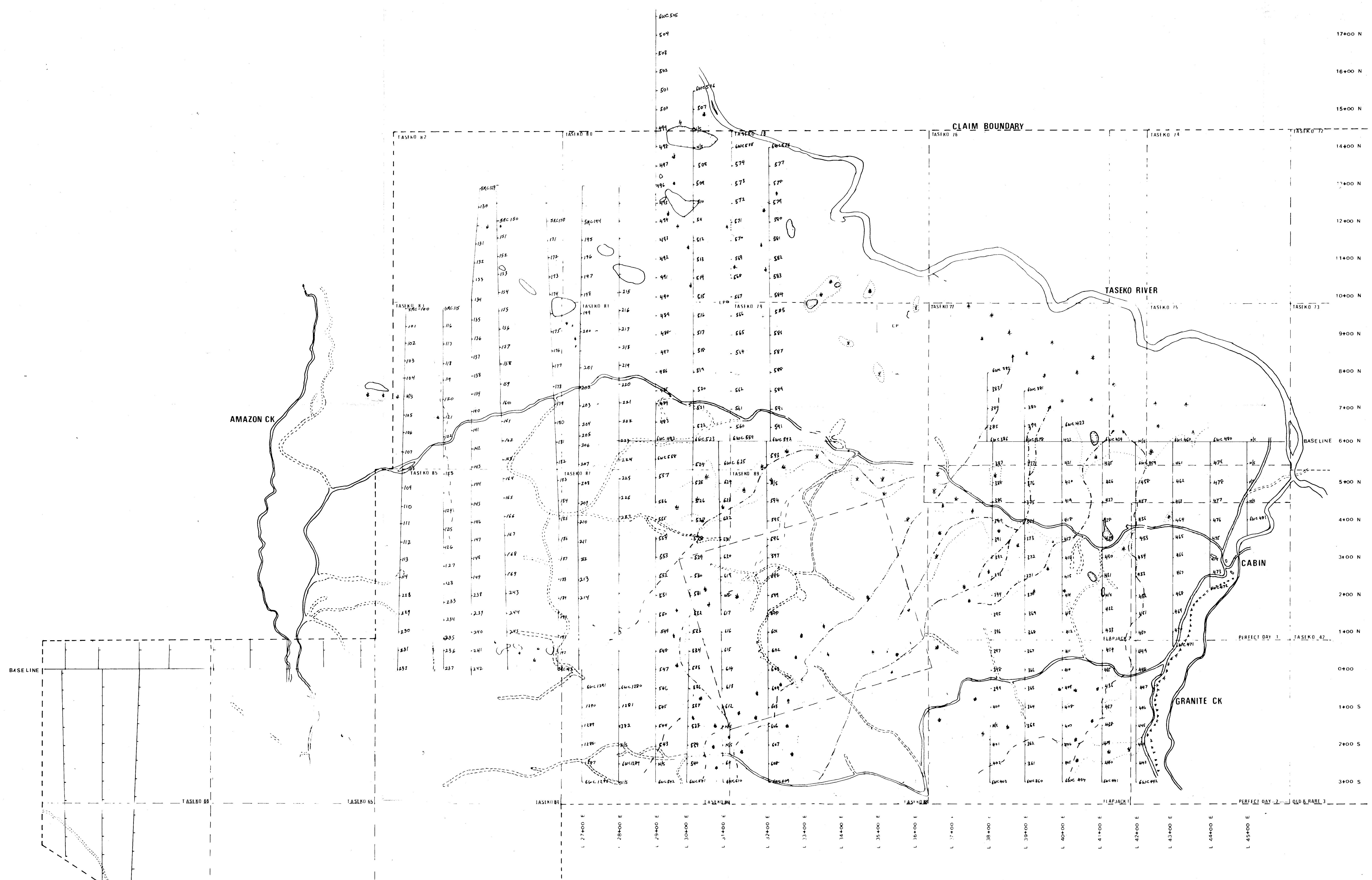
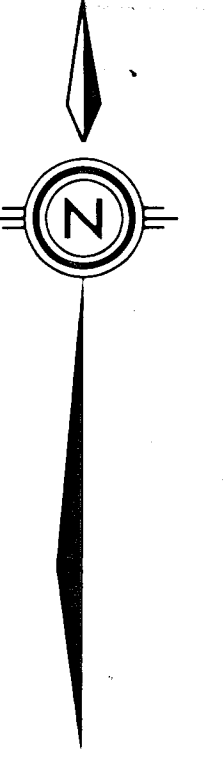
GEOLOGICAL BRANCH
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Instrument: IGS-MP4

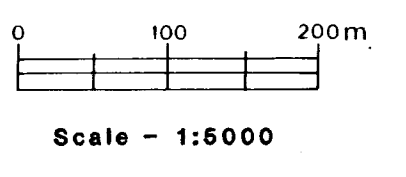


ESSO MINERALS CANADA	
SCURRY PROJECT	
MAGNETOMETER MAP	
PROJECT: MA79	MAP NO.: 2179508
NTS 920/3	MIN DIV: CLINTON
DATE: SEPT. 1988	BY: S.L.



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

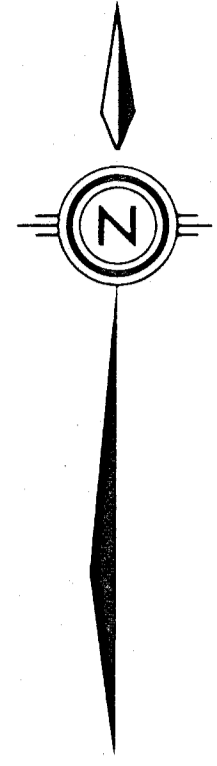
15,755
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ESSO MINERALS CANADA

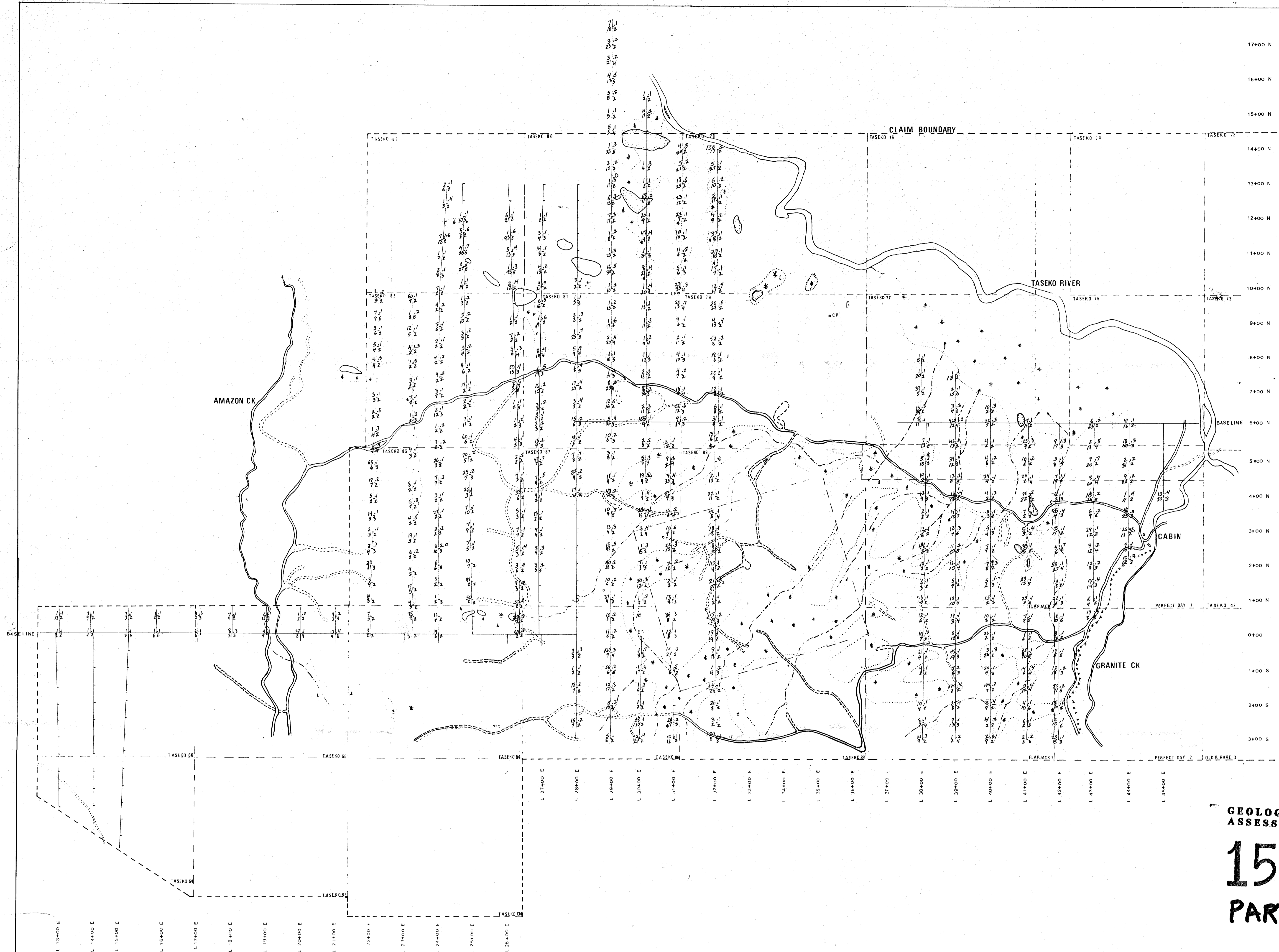
SCURRY PROJECT
SOIL SAMPLE LOCATION

PROJECT MATH	MAP 2179-02
NTS 920/3	MIN. DIV. CLINTON
DATE OCT 1986	BY W.M.



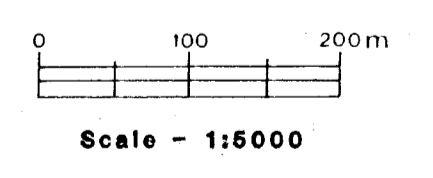
KEY

Au (ppb)	Ag (ppm)
As (ppm)	Sb (ppm)

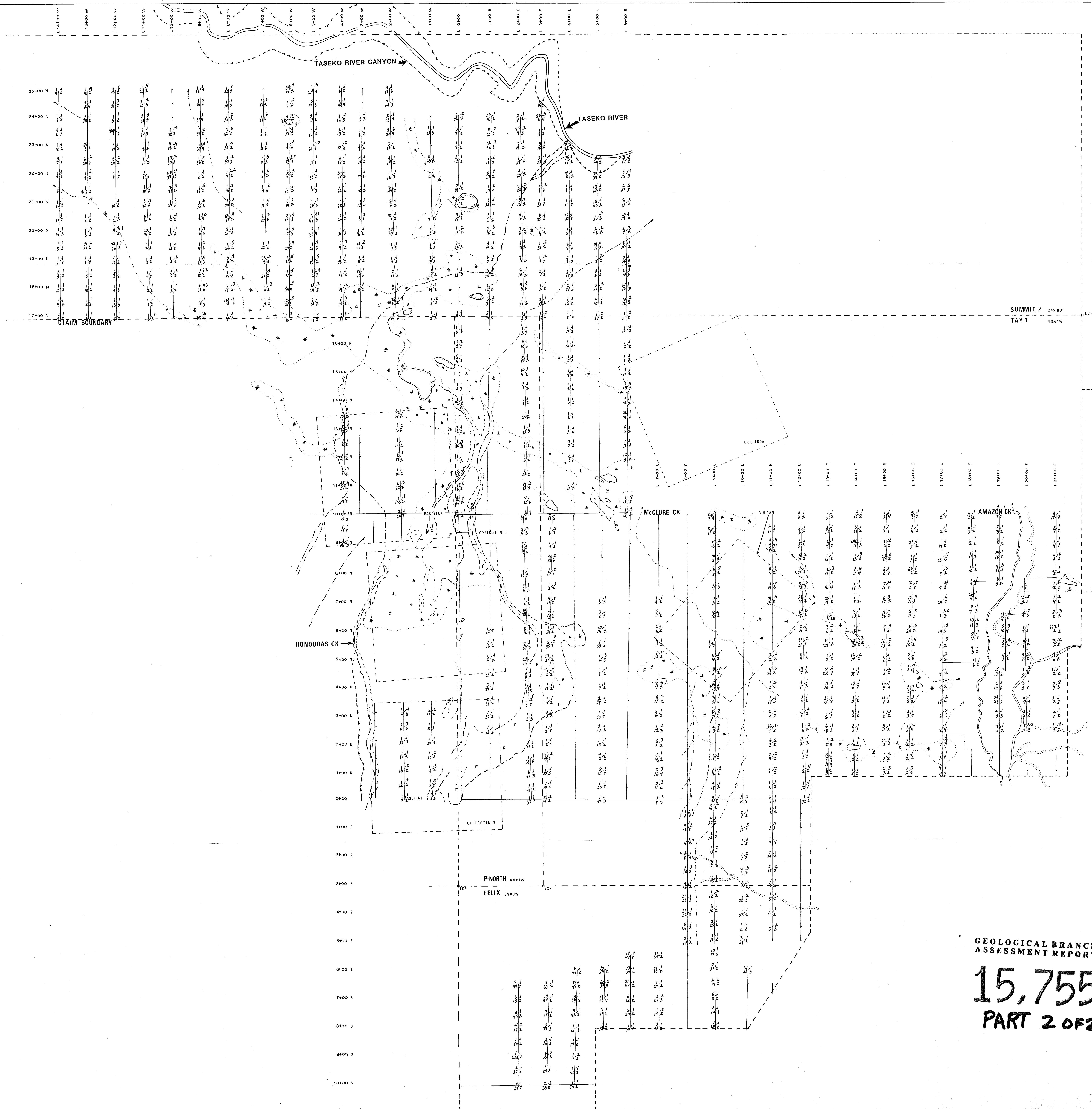
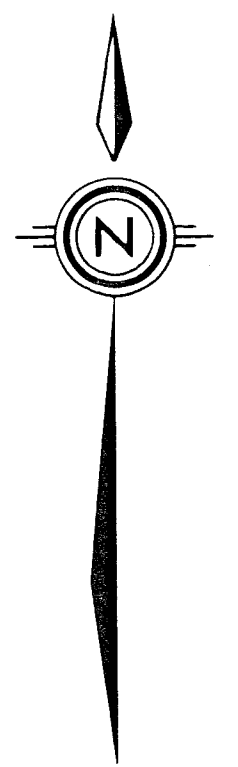


**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

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ESSO MINERALS CANADA	
SCURRY PROJECT SOIL GEOCHEMISTRY	
Au Ag As Sb	
PROJECT M479	MAP 2179-03
NT# 920/3	MIN. DIV. CLINTON
DATE OCT-1986	BY W.M.



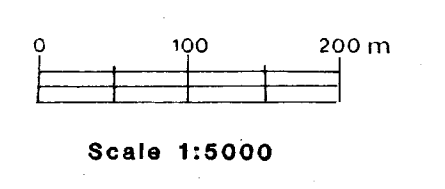
SUMMIT 2 2N46W
TAY 1 6546W

Geochemical Data Plot

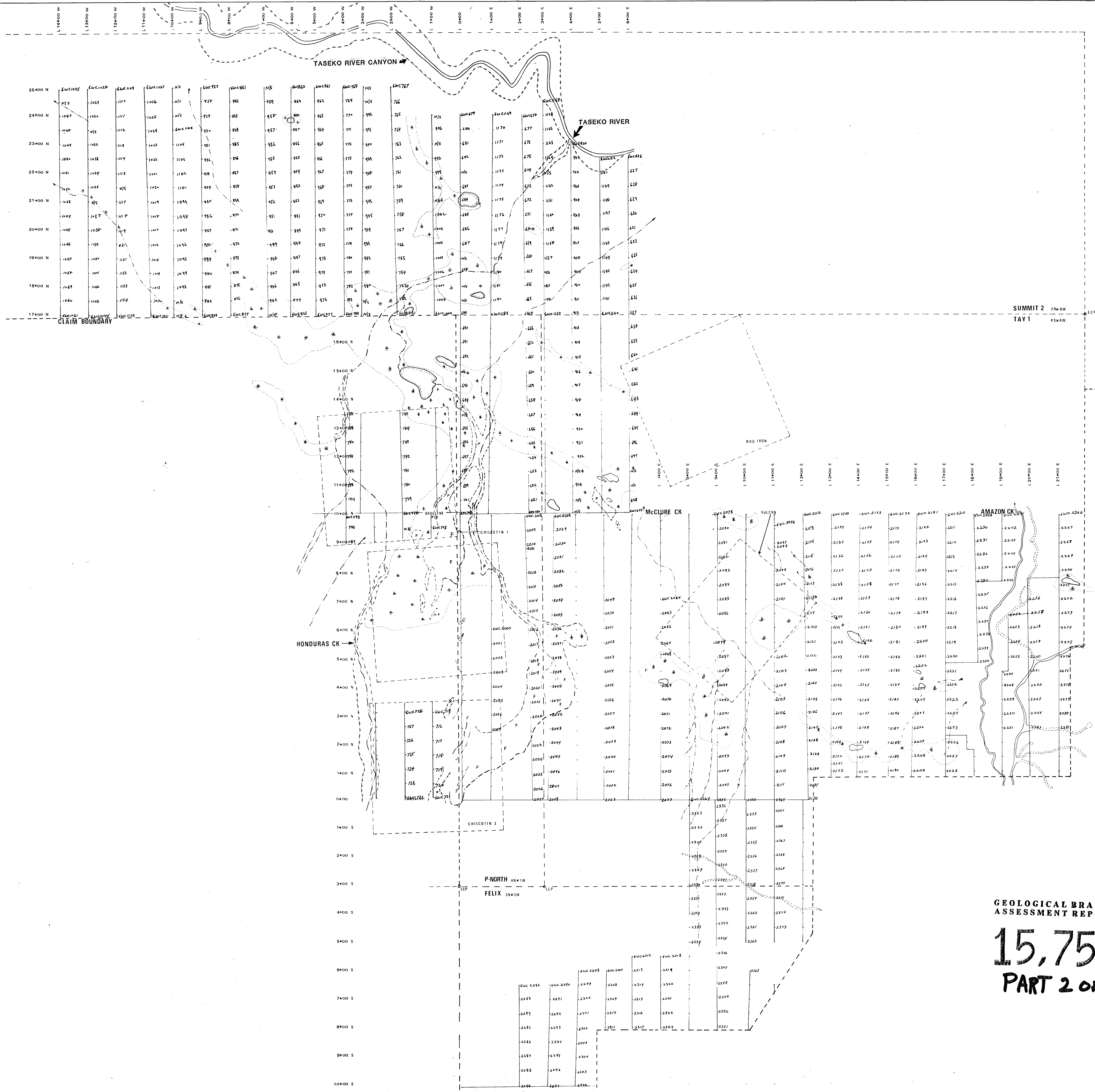
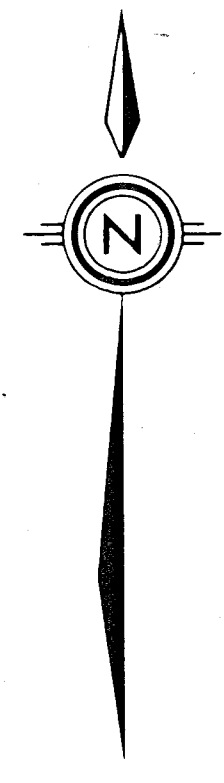
Au(ppb)	Ag(ppm)
As(ppm)	Sb(ppm)

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

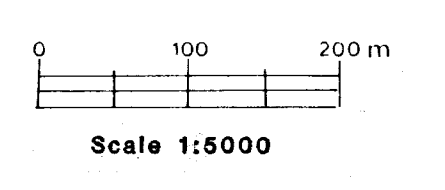
**15,755
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ESSO MINERALS CANADA	
GENOVEVA PROJECT	
SOIL GEOCHEMISTRY	
Au(ppb), Ag(ppm), As(ppm), Sb(ppm)	
Project No. M403	Mining Division: Clinton
NTS, 920/3W	Drawn By: W.M.
Date: Oct, 1988	Map No. 2103-03



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ASSESSMENT REPORT
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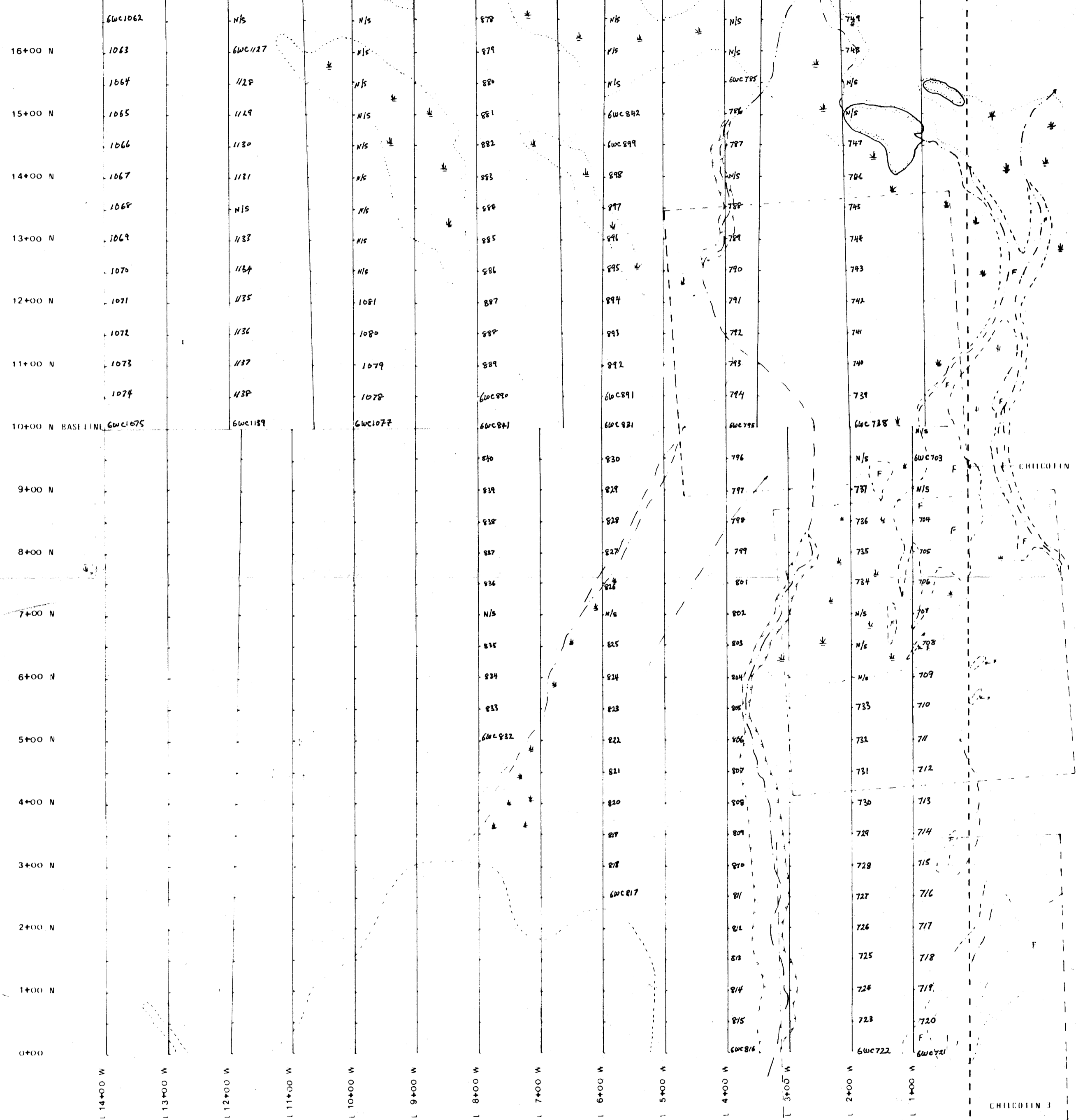
ESSO MINERALS CANADA	
GENOVEVA PROJECT	
GEOCHEMICAL SOIL SAMPLE LOCATION MAP	
Project No. Ma03	Mining Division: Clinton
NTS. 920/3W	Drawn By: W.M.
Date: Oct., 1988	Map No. 2103-02



HONDURAS CK

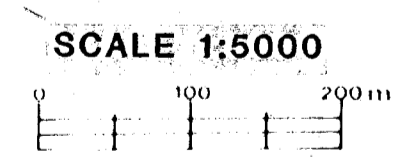
CLAIM BOUNDARY

CORNER POST



GEOLOGICAL BRANCH
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ESSO MINERALS CANADA	
HON PROJECT	
SOIL SAMPLE LOCATION MAP	
Project No. MA05	Mining Division: Clinton
N.T.S. 920/3	Drawn By: S.L.
Date Oct. 1986	Map No. 2105-02

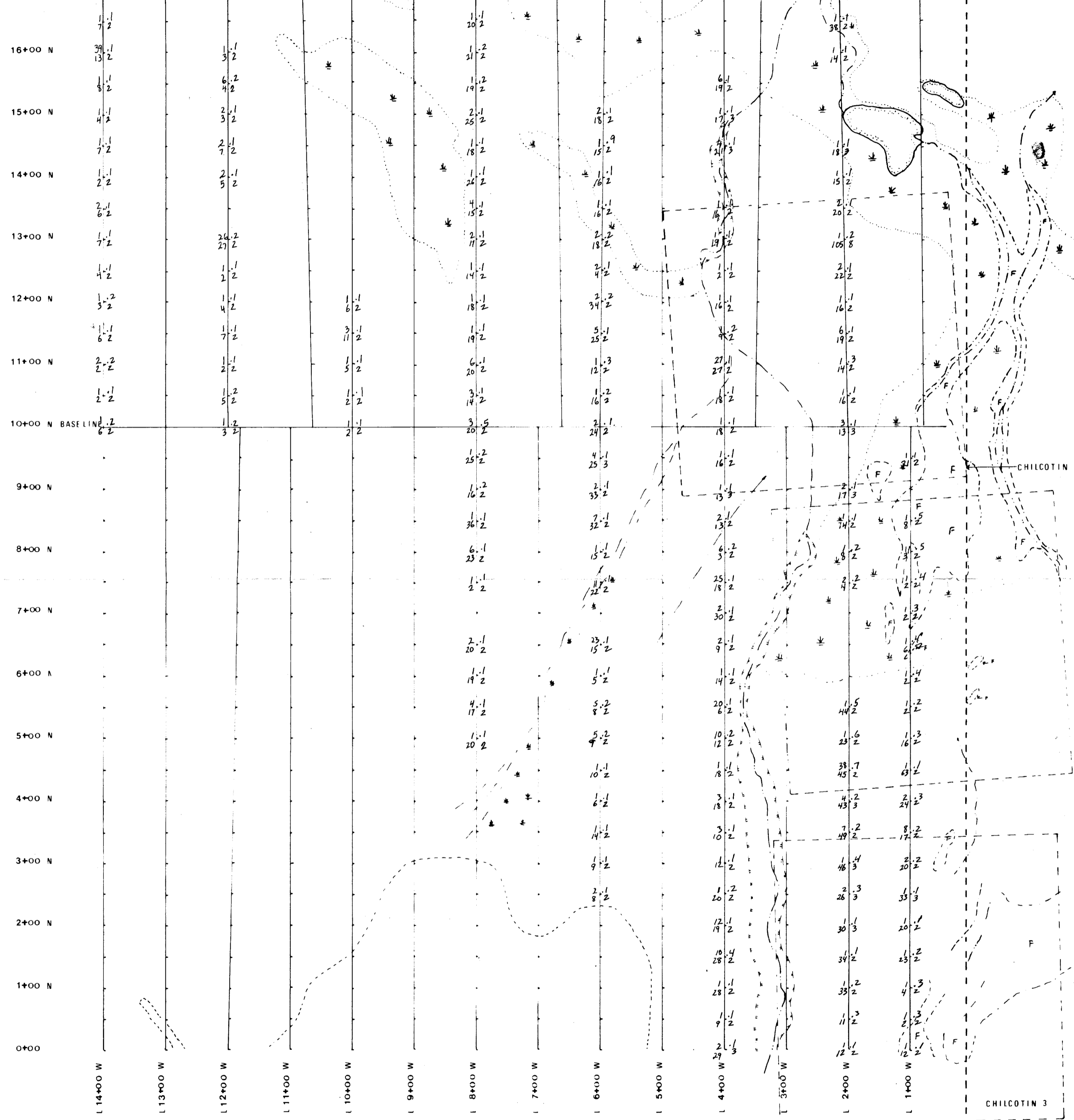
HON 1 4N x 5W
HON 2 4S x 5W



HONDURAS CK

CLAIM BOUNDARY

CORNER POST



KEY

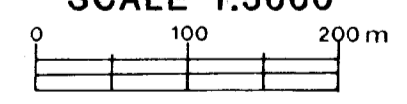
6.5 17.2	Au(ppb) As(ppm)	Ag(ppm) Sb(ppm)
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GEOLOGICAL BRANCH
ASSESSMENT REPORT

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SCALE 1:5000



HON 1 4N x 5W
HON 2 4S x 5W

LCP

ESSO MINERALS CANADA

HON PROJECT
GEOCHEM RESULTS
FOR
Au, Ag, As, Sb

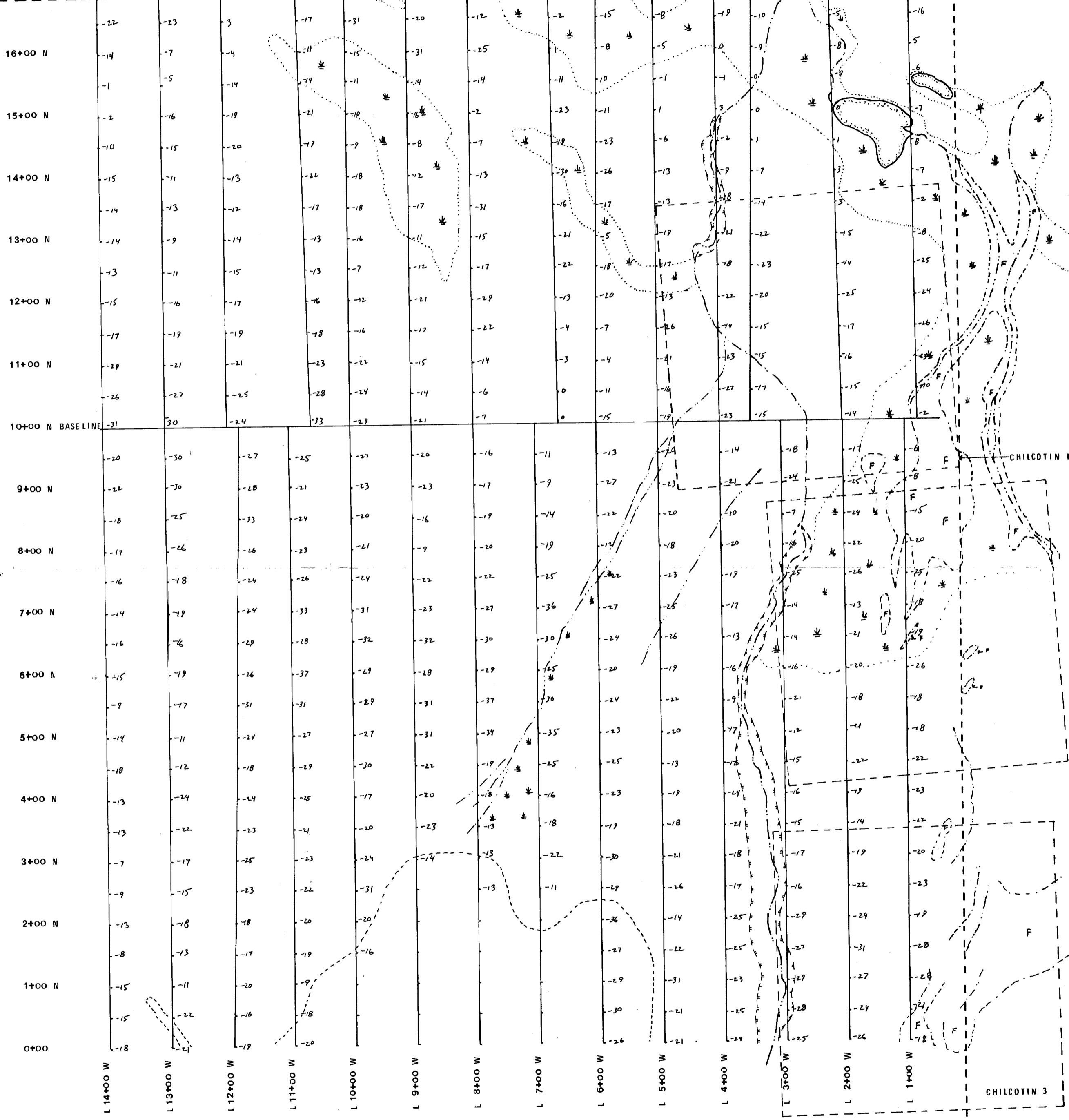
Project No. MA05	Mining Division: Clinton
N.T.S. 920/3	Drawn: By S.L.
Date: Oct. 1986	Map No. 2105-03



HONDURAS CK

CLAIM BOUNDARY

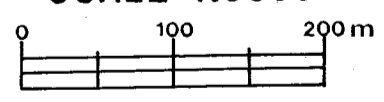
CORNER POST



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

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PART 2 OF 2

SCALE 1:5000



ESSO MINERALS CANADA

HON PROJECT

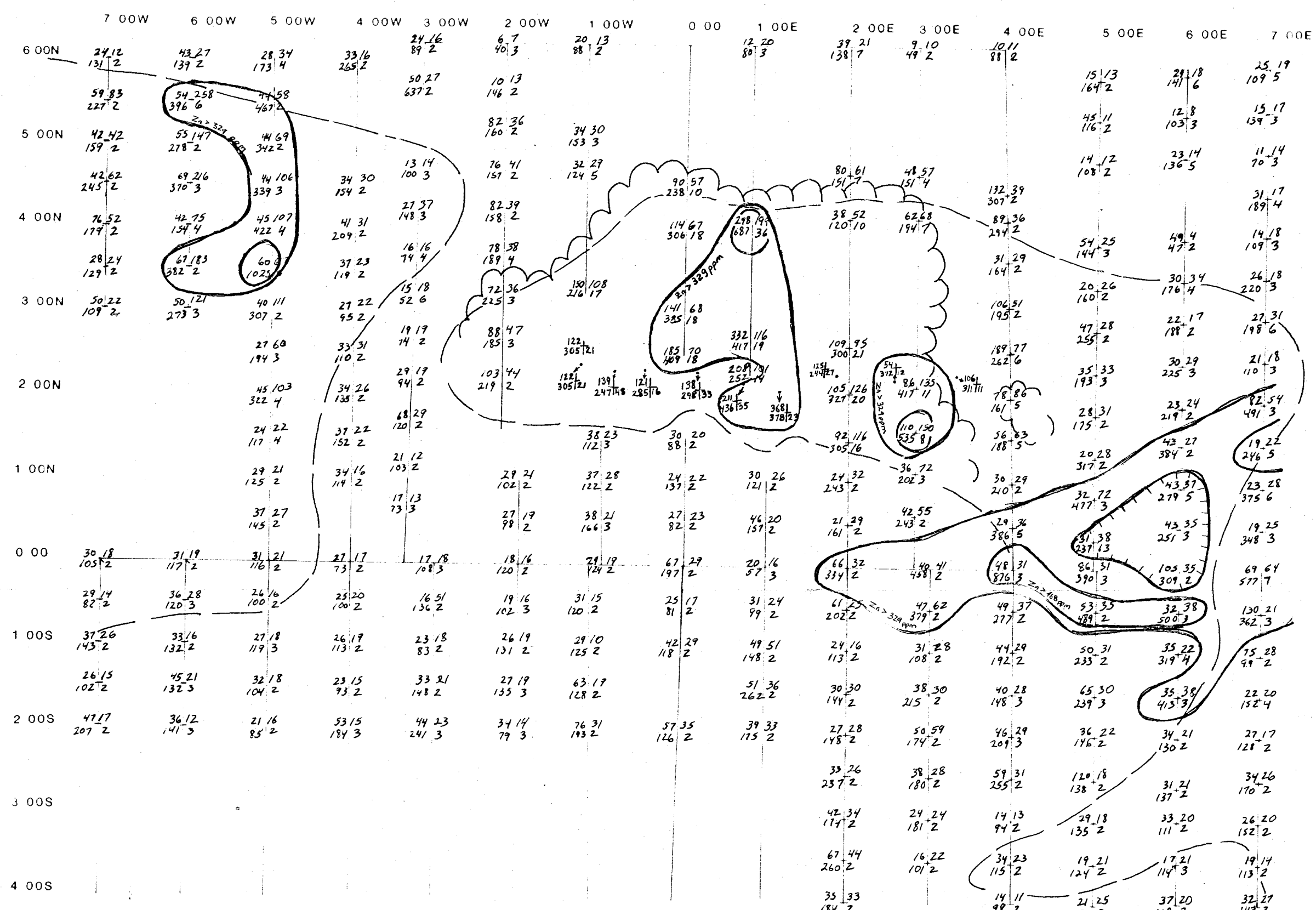
VLF RAW DATA

HON 1 4N x 5W

HON 2 4S x 5W

LCP

Project No.	Ma05	Mining Division	Clinton
N.T.S.	920/3	Drawn By	S.L.
Date	Oct. 1986	Map No.	2105-04



**Zinc Anomaly
Contour Interval**
329 ppm
468
607

KEY

82.54
110.6
Cu(ppm) Pb(ppm)
Zn(ppm) Bi(ppm)

0 50 100 metres
1:5000

**GEOLOGICAL BRANCH
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ESSO MINERALS CANADA

BIG CREEK PROJECT

GRID 1

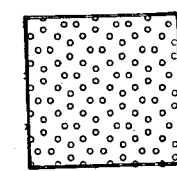
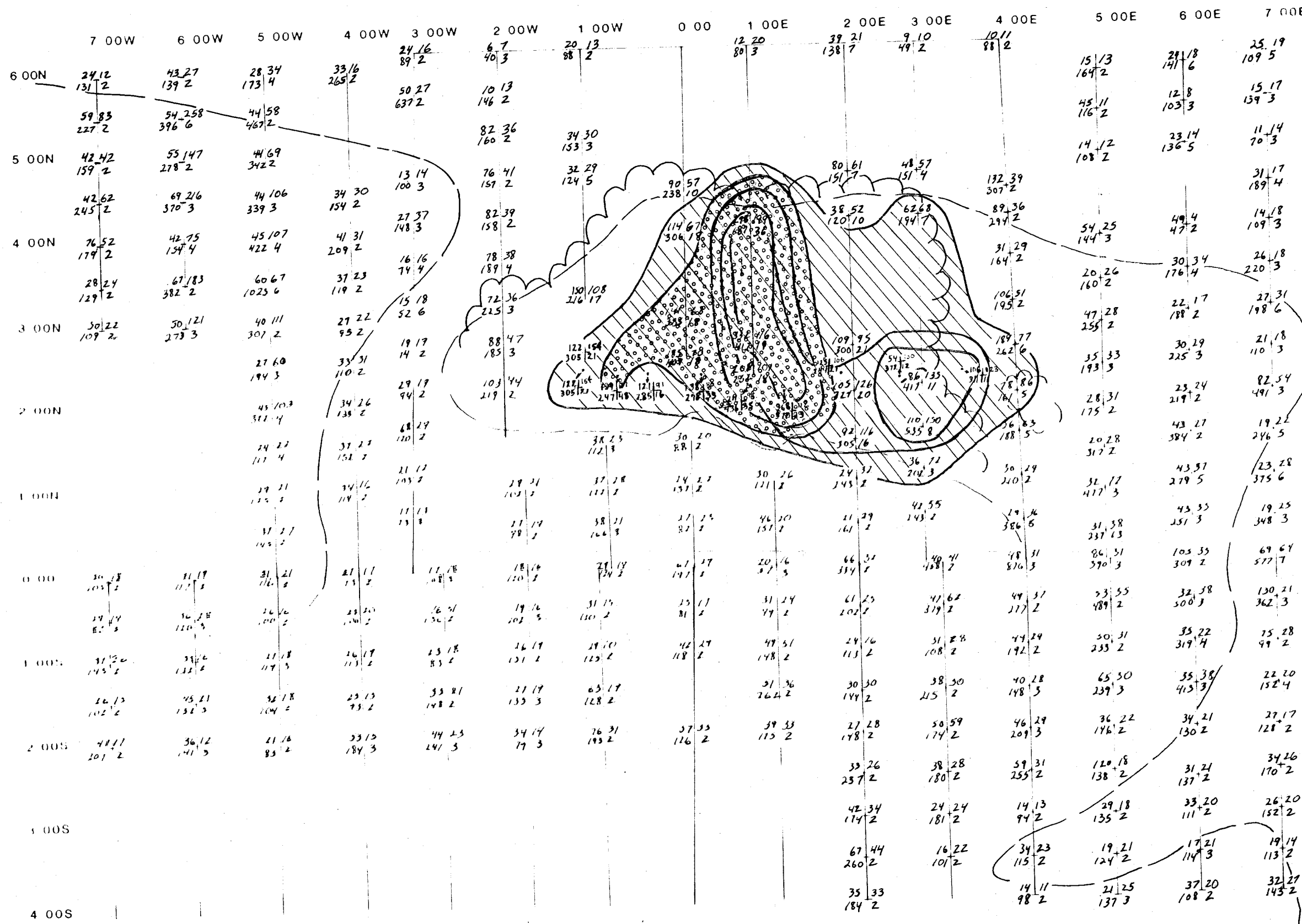
SOIL GEOCHEMISTRY

Cu,Pb,Zn,Bi

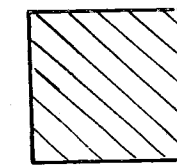
Zn CONTOURED

To Accompany A Report By

Project No.	MA08	Mining Division	Clinton
NTS	92 O/3	Field Work By:	R.B. & H.M.
Date	Sept 1986	Map No.	2108-5b



Copper Anomaly
Contour intervals
132 ppm
203
274



Lead Anomaly
Contour intervals
65 ppm
96
127

KEY

82.54
110.6

Cu(ppm) Pb(ppm)
Zn(ppm) Bi(ppm)

0 50 100 metres
1:5000

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

15,755
PART 2 OF 2

ESSO MINERALS CANADA

BIG CREEK PROJECT

GRID 1

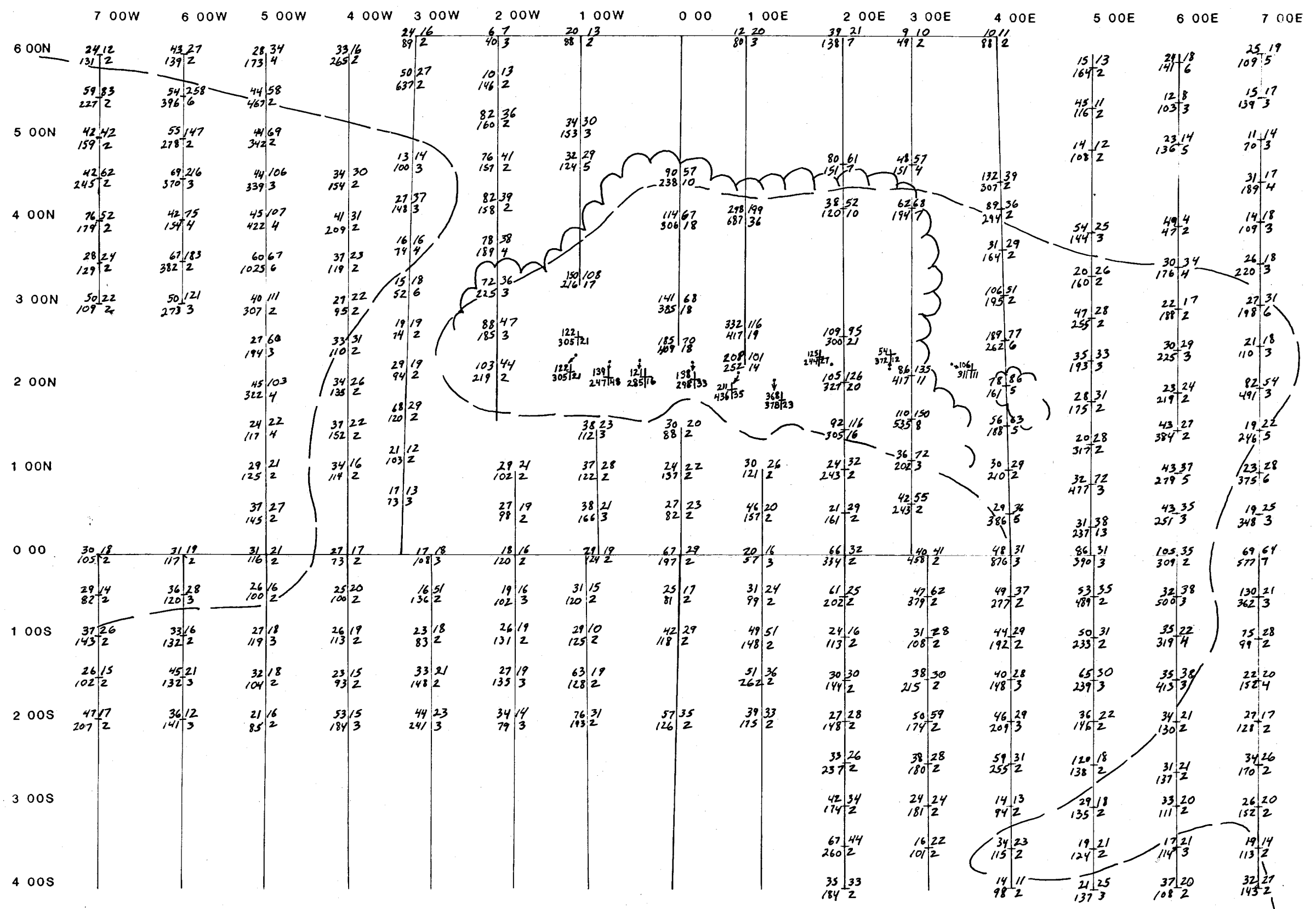
SOIL GEOCHEMISTRY

Cu,Pb,Zn,Bi

Cu, Pb CONTOURED

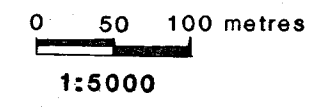
To Accompany A Report By

Project No.	MA08	Mining Division	Clinton
NTS	92 O/3	Field Work By:	R.B. & H.M.
Date	Sept 1986	Map No.	2108-5a



KEY

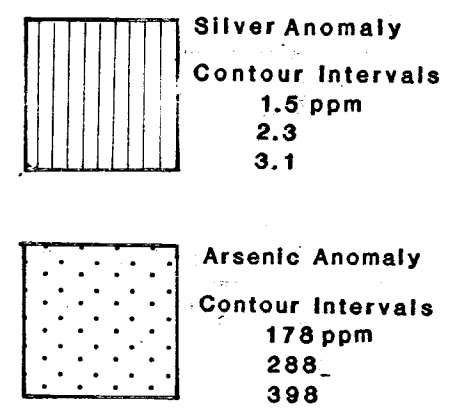
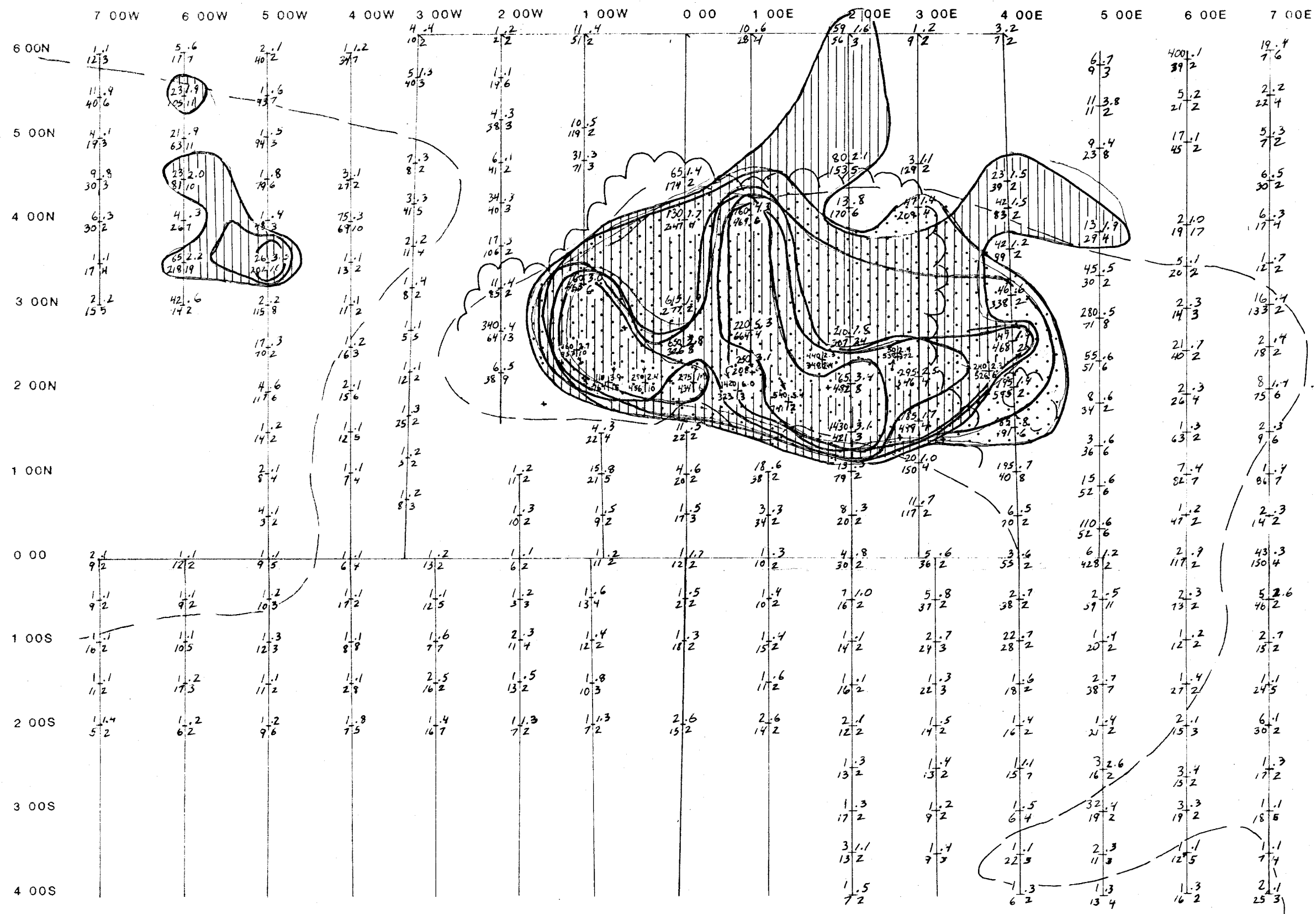
82.54
 110.6
 Cu(ppm) Pb(ppm)
 Zn(ppm) Bi(ppm)



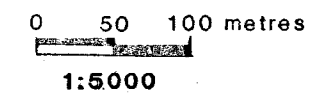
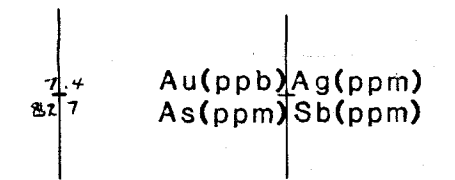
**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

15,755
PART 2 OF 2

ESSO MINERALS CANADA	
BIG CREEK PROJECT	
GRID 1	
SOIL GEOCHEMISTRY	
Cu,Pb,Zn,Bi	
To Accompany A Report By	
Project No.	Mining Division
MA08	Clinton
NTS	Field Work By:
92 O/3	R.B. & H.M.
Date	Map No.
Sept 1988	2108-5



KEY



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

15,755
PART 2 OF 2

ESSO MINERALS CANADA

BIG CREEK PROJECT

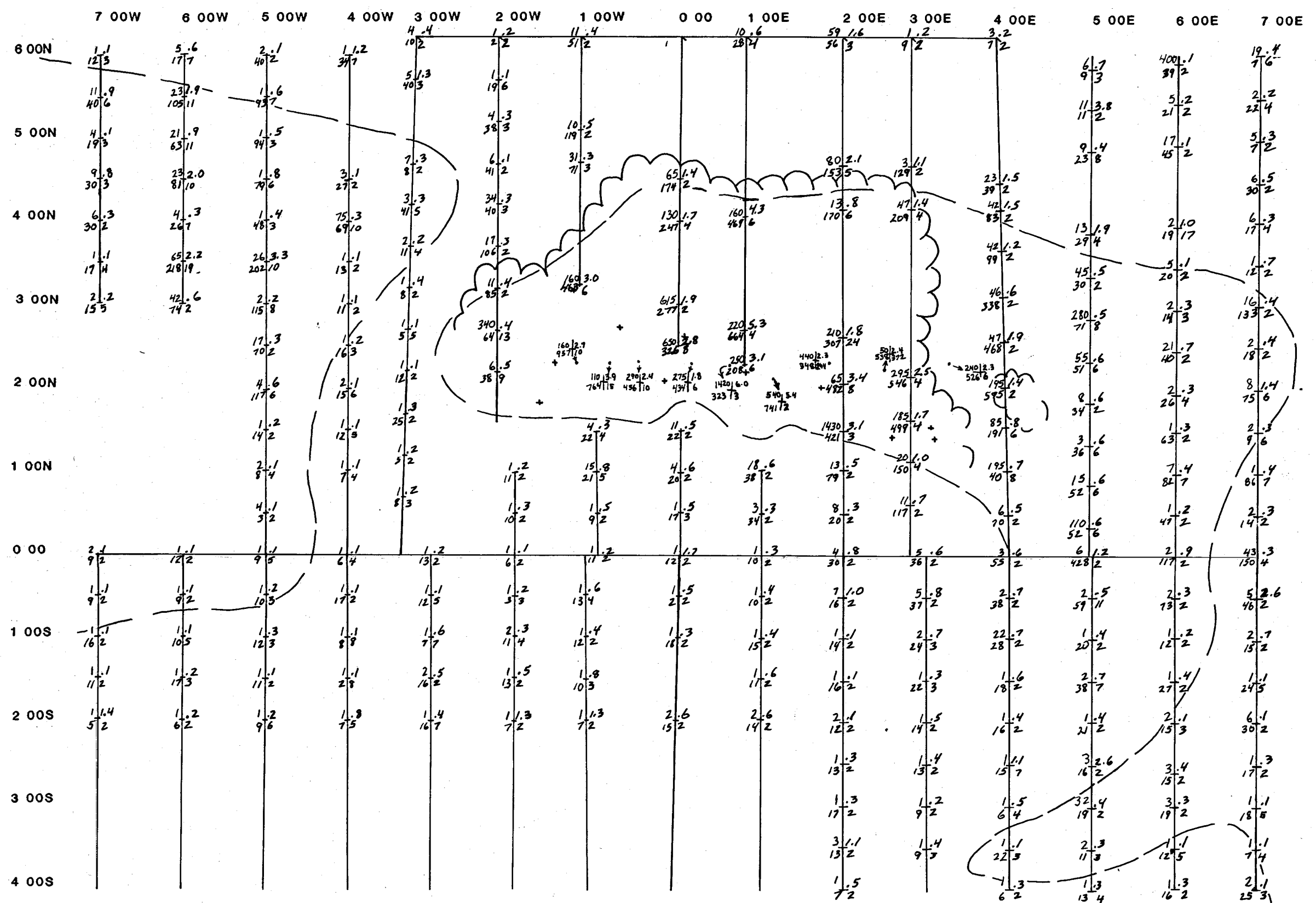
GRID 1

SOIL GEOCHEMISTRY

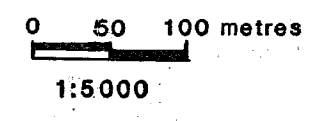
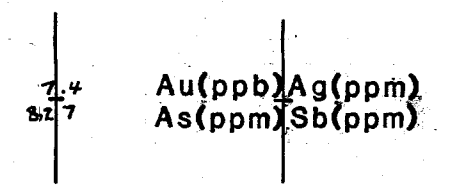
Au, Ag, As, Sb
Ag, As CONTOURED

To Accompany A Report By

Project No.	MA08	Mining Division	Clinton
NTS	92 O/3	Field Work By:	R.B. & H.M.
Date	Sept 1986	Map No.	2108-4b



KEY



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

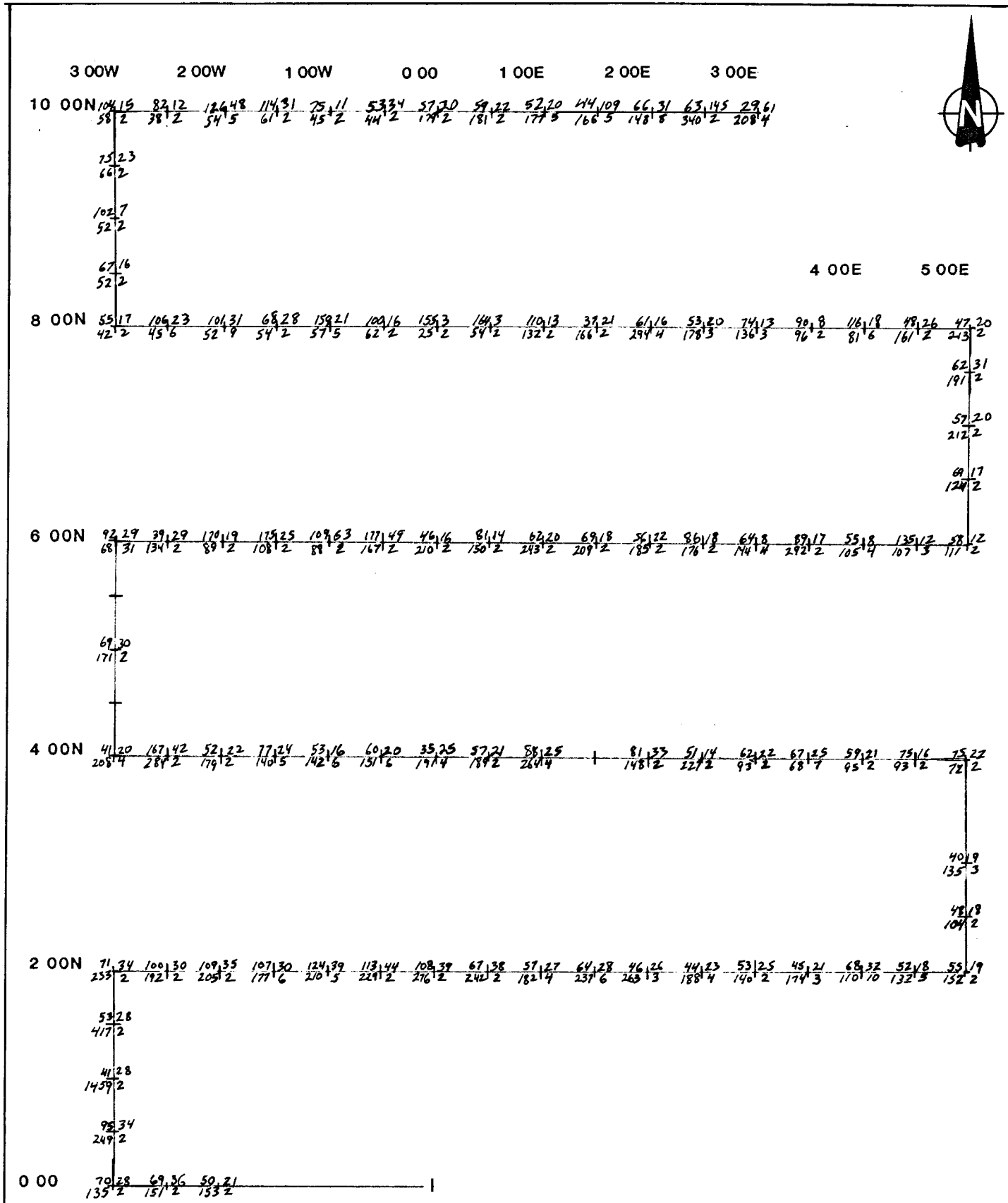
15,755
PART 2 OF 2

ESSO MINERALS CANADA

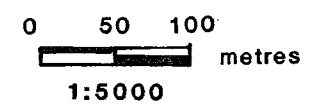
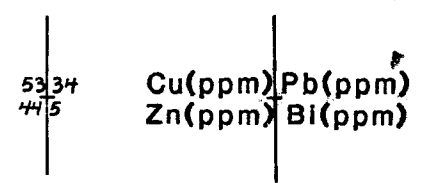
BIG CREEK PROJECT
GRID 1
SOIL GEOCHEMISTRY
Au, Ag, As, Sb

To Accompany A Report By

Project No.	MA08	Mining Division	Clinton
NTS	92 O/3	Field Work By:	R.B. & H.M.
Date	Sept 1988	Map No.	2108-4



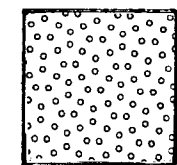
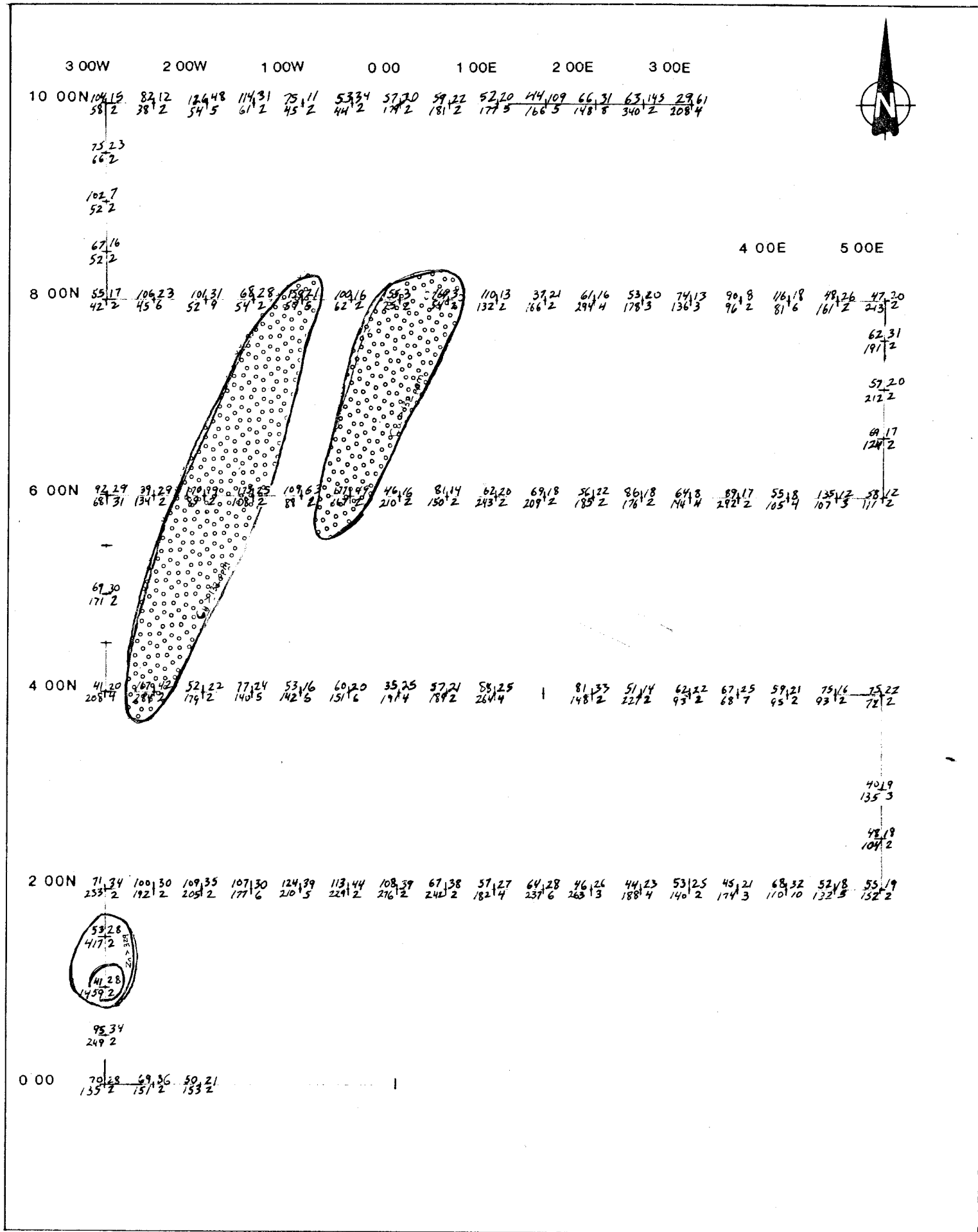
KEY



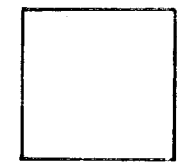
ESSO MINERALS CANADA

BIG CREEK PROJECT
GRID 2
SOIL GEOCHEMISTRY
Cu, Pb, Zn, Bi

Project No.	MA08	Mining Div.	Clinton
NTS	92 O/3	Field Work By	R.B. & H.M.
Date	Sept 1986	Map No.	2108-9



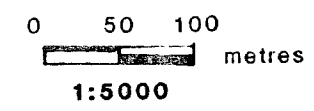
Copper Anomaly
Cu > 132 ppm



Zinc Anomaly
Contour Intervals
329 ppm
468
607

KEY

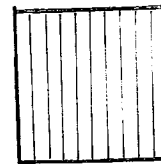
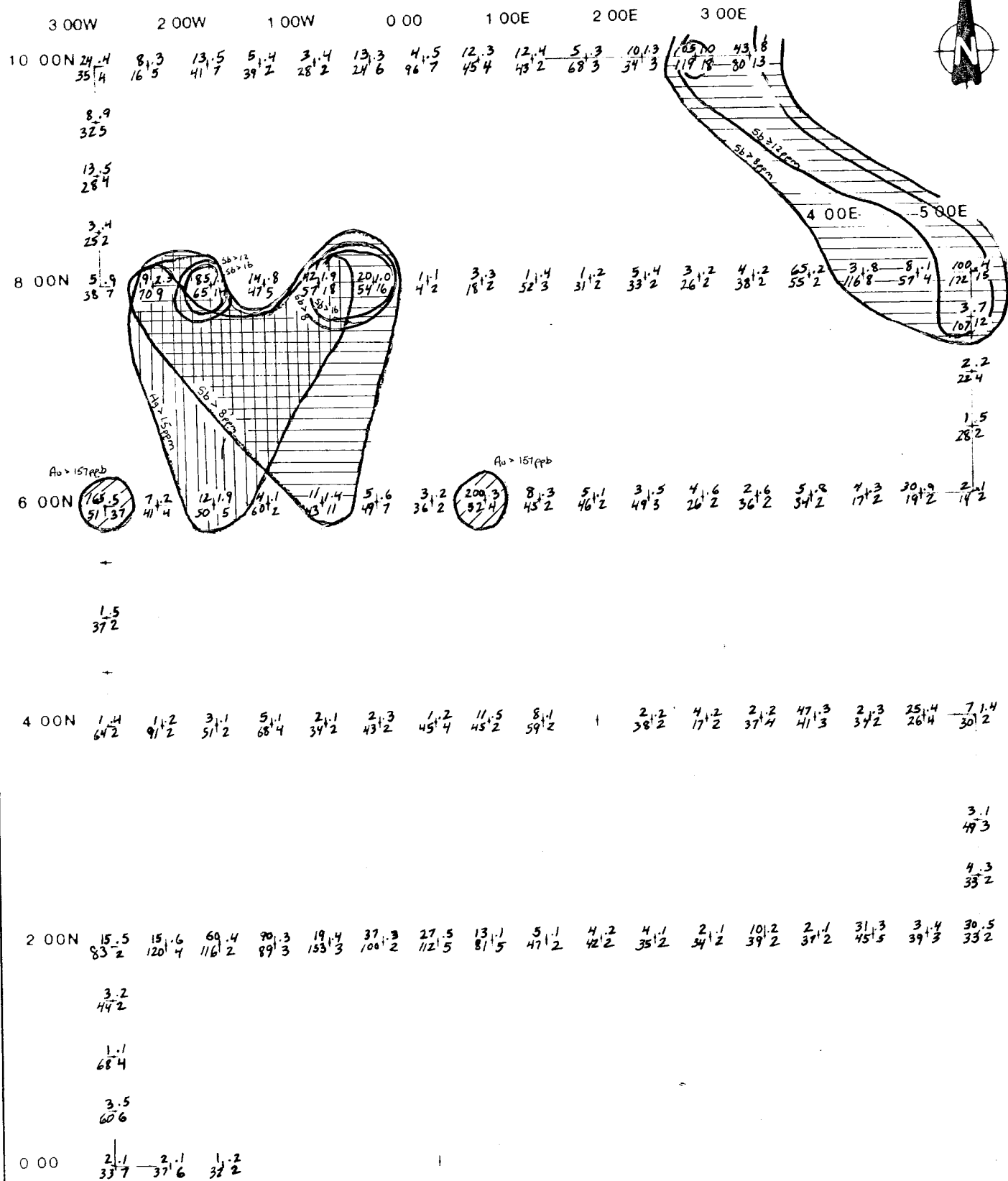
53.34	Cu(ppm)	Pb(ppm)
44.5	Zn(ppm)	Bi(ppm)



ESSO MINERALS CANADA

BIG CREEK PROJECT
GRID 2
SOIL GEOCHEMISTRY
Cu, Pb, Zn, Bi

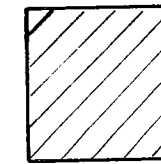
Project No.	MA08	Mining Div.	Clinton
NTS	92 O/3	Field Work By	R.B. & H.M.
Date	Sept 1986	Map No.	2108-9a



Silver Anomaly
 Contour Intervals
 1.5 ppm
 2.3
 3.1

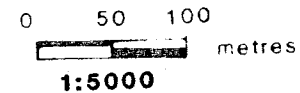
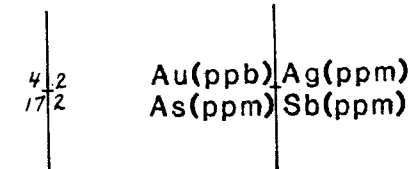


Antimony Anomaly
 Contour Intervals
 8 ppm
 12
 16



Gold Anomaly
 Contoured above
 157 ppb

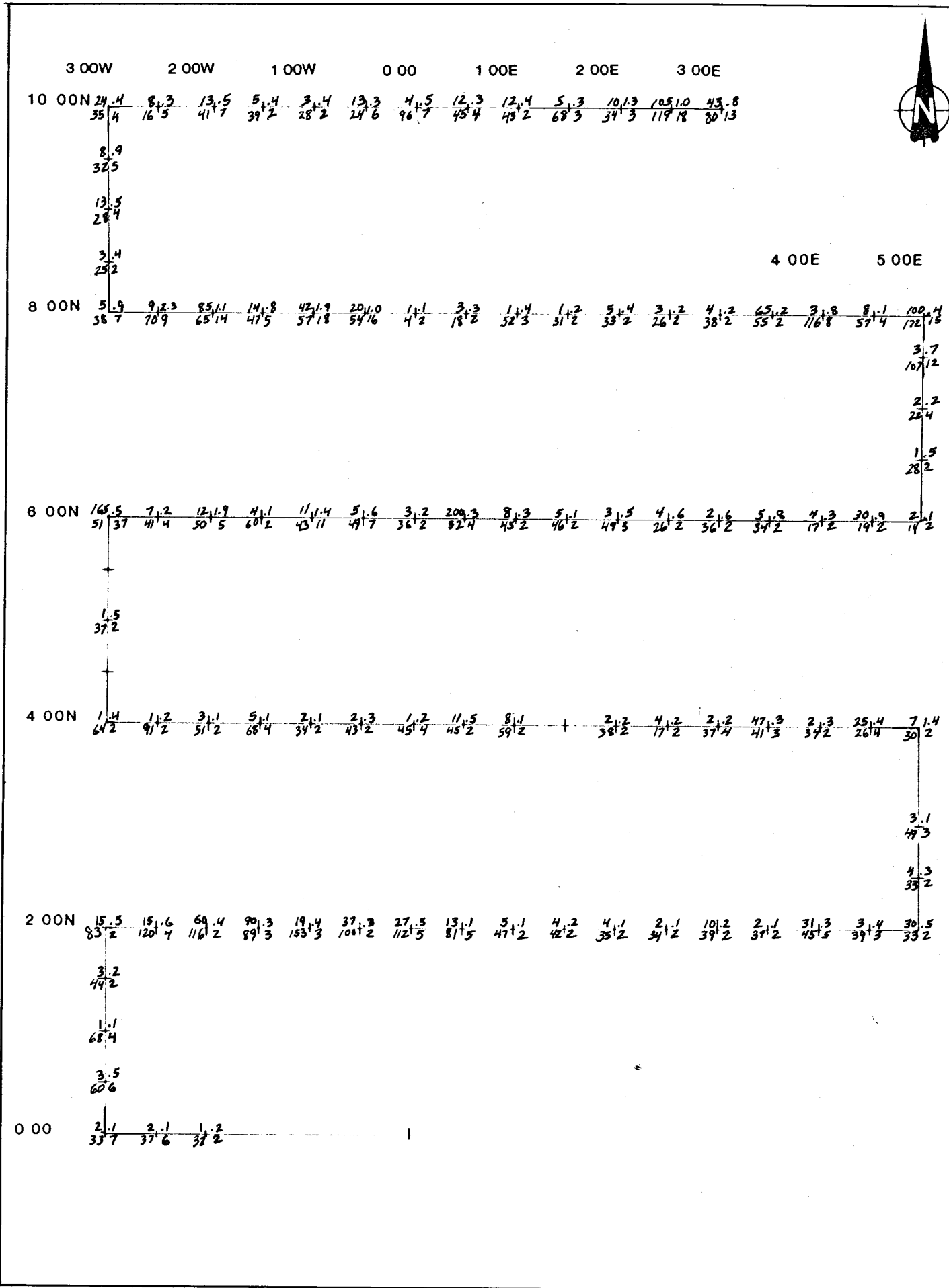
KEY



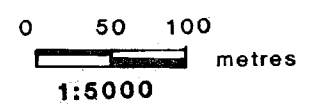
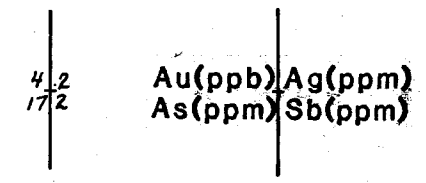
ESSO MINERALS CANADA

BIG CREEK PROJECT
 GRID 2
 SOIL GEOCHEMISTRY
 Au, Ag, As, Sb

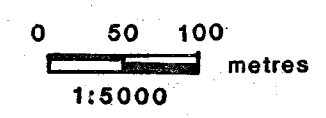
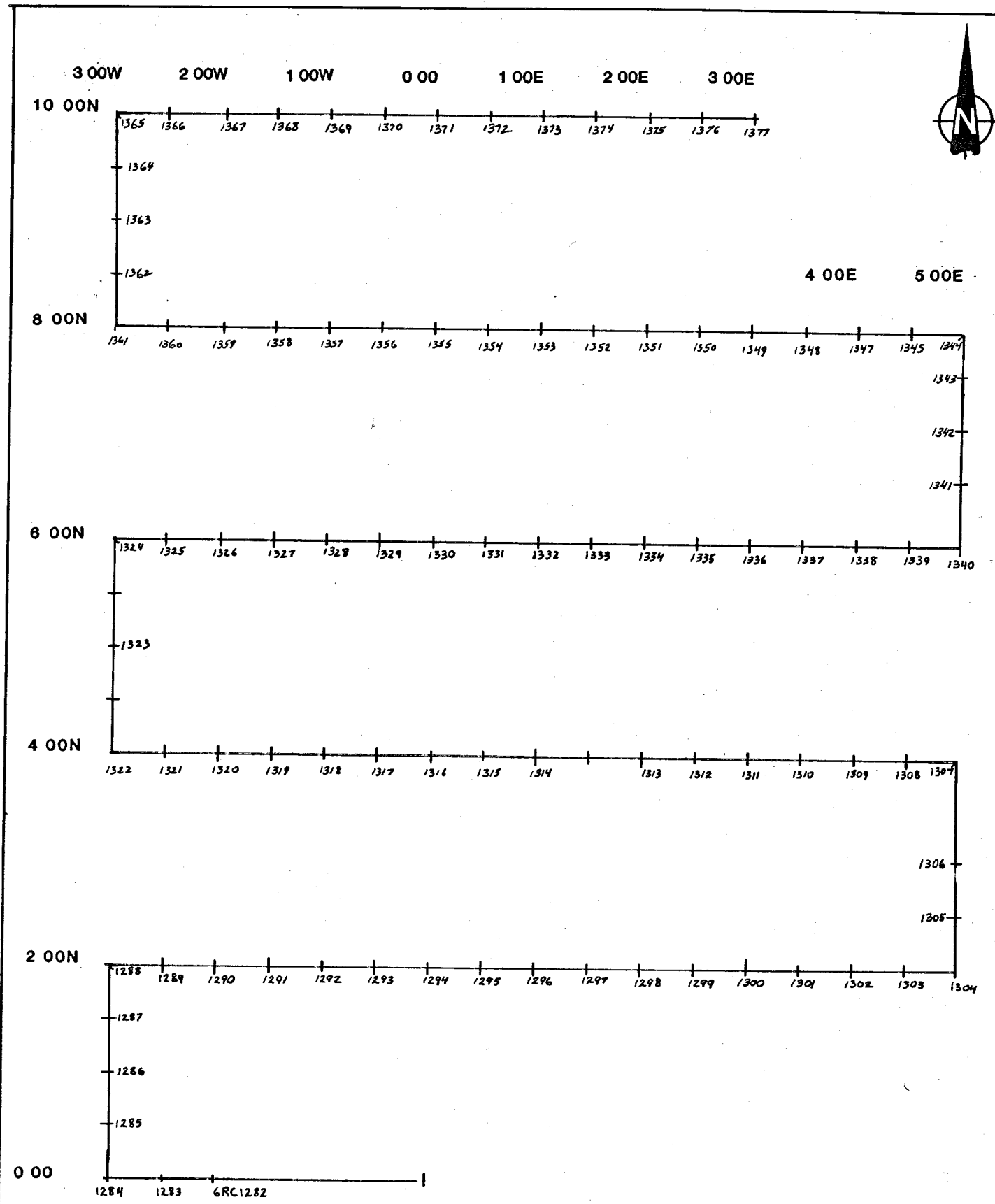
Project No.	MA08	Mining Div.	Clinton
NTS	92 O/3	Field Work By	R.B. & H.M.
Date	Sept 1986	Map No.	2108-8a



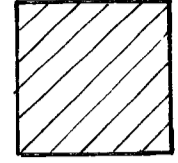
KEY



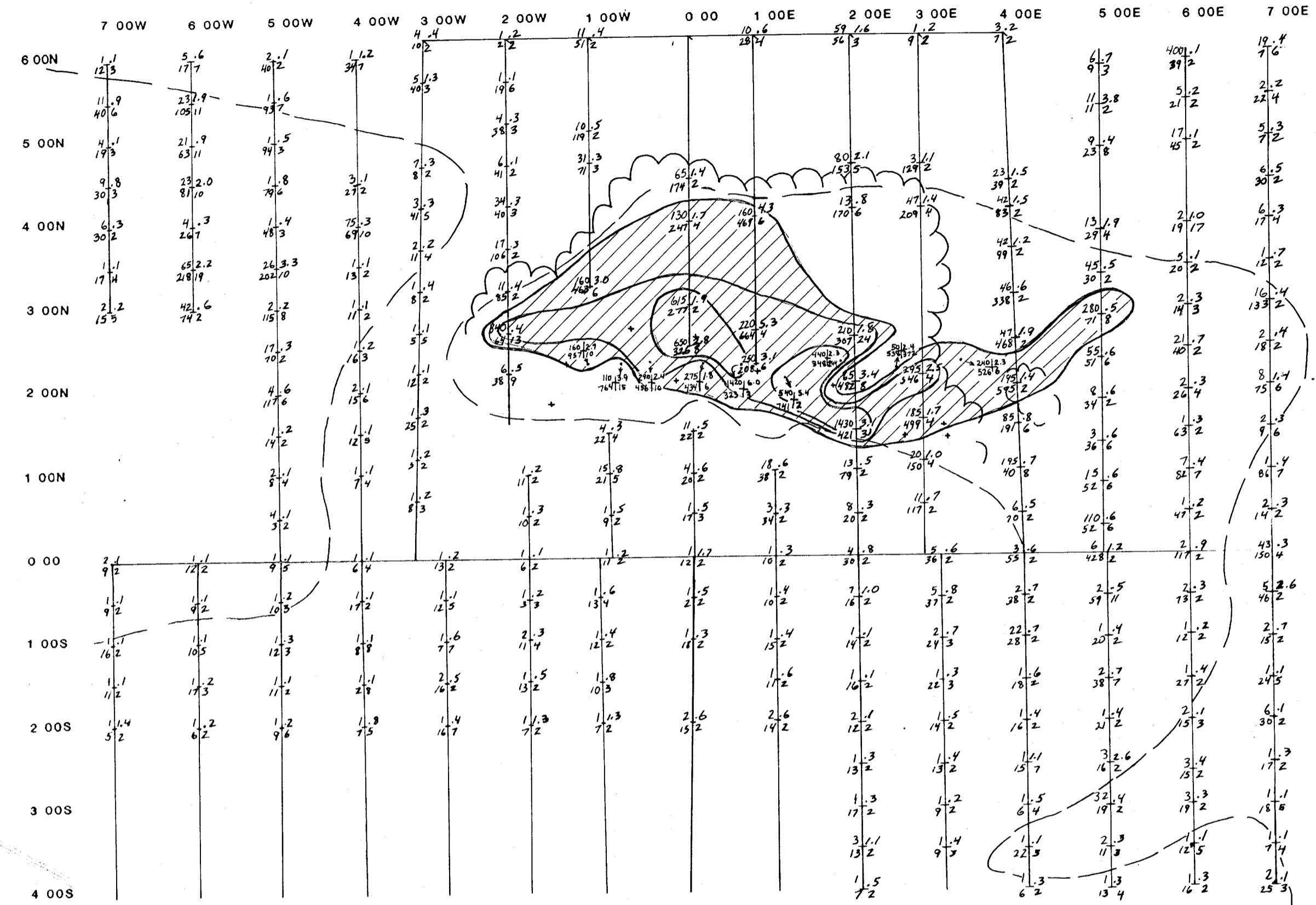
ESSO MINERALS CANADA	
BIG CREEK PROJECT GRID 2 SOIL GEOCHEMISTRY Au,Ag,As,Sb	
Project No. MA08	Mining Div. Clinton
NTS 92 O/3	Field Work By R.B. & H.M.
Date Sept 1986	Map No. 2108-8



ESSO MINERALS CANADA	
BIG CREEK PROJECT GRID 2 SAMPLE LOCATION MAP	
Project No. MA08	Mining Div. Clinton
NTS 92 O/3	Field Work By R.B. & H.M.
Date Sept 1986	Map No. 2108-7



Gold Anomaly
Contour Interval
157 ppb
280
403



KEY

7.4	Au(ppb)	Ag(ppm)
82.7	As(ppm)	Sb(ppm)

0 50 100 metres
1:5000

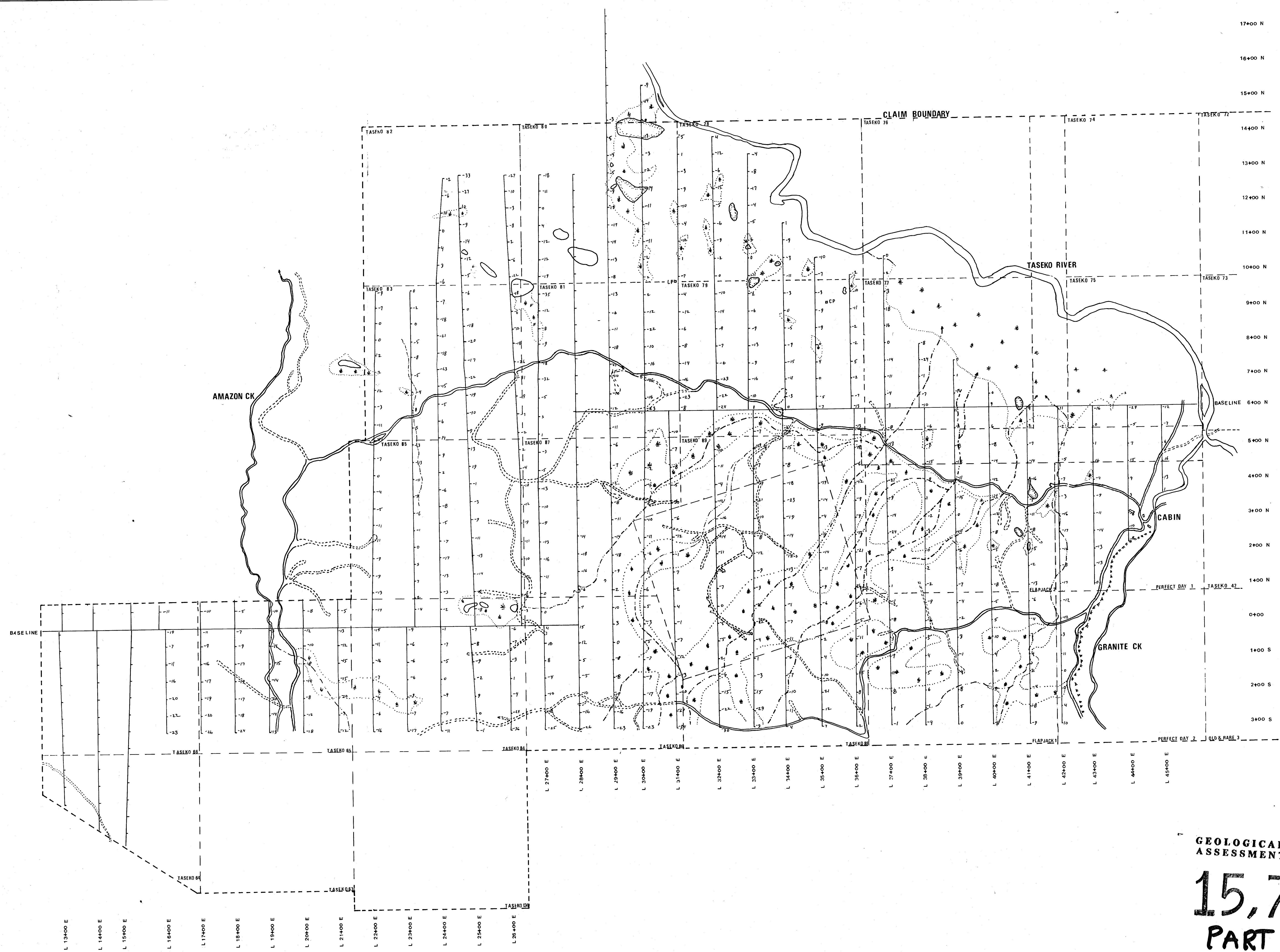
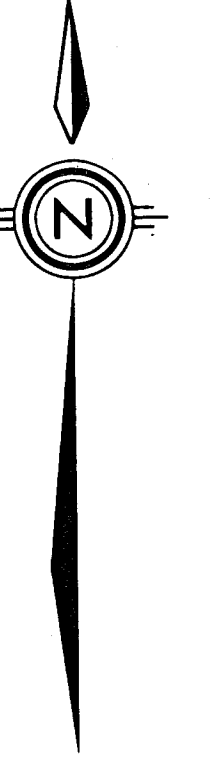
ESSO MINERALS CANADA

BIG CREEK PROJECT
GRID 1
SOIL GEOCHEMISTRY
Au, Ag, As, Sb
Au CONTOURED

To Accompany A Report By	
Project No. MA08	Mining Division Clinton
NTS 92 O/3	Field Work By: R.B. & H.M.
Date Sept 1986	Map No. 2108-4a

GEOLOGICAL BRANCH
ASSESSMENT REPORT

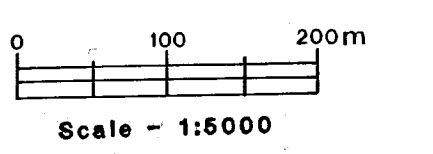
15,755
PART 2 OF 2



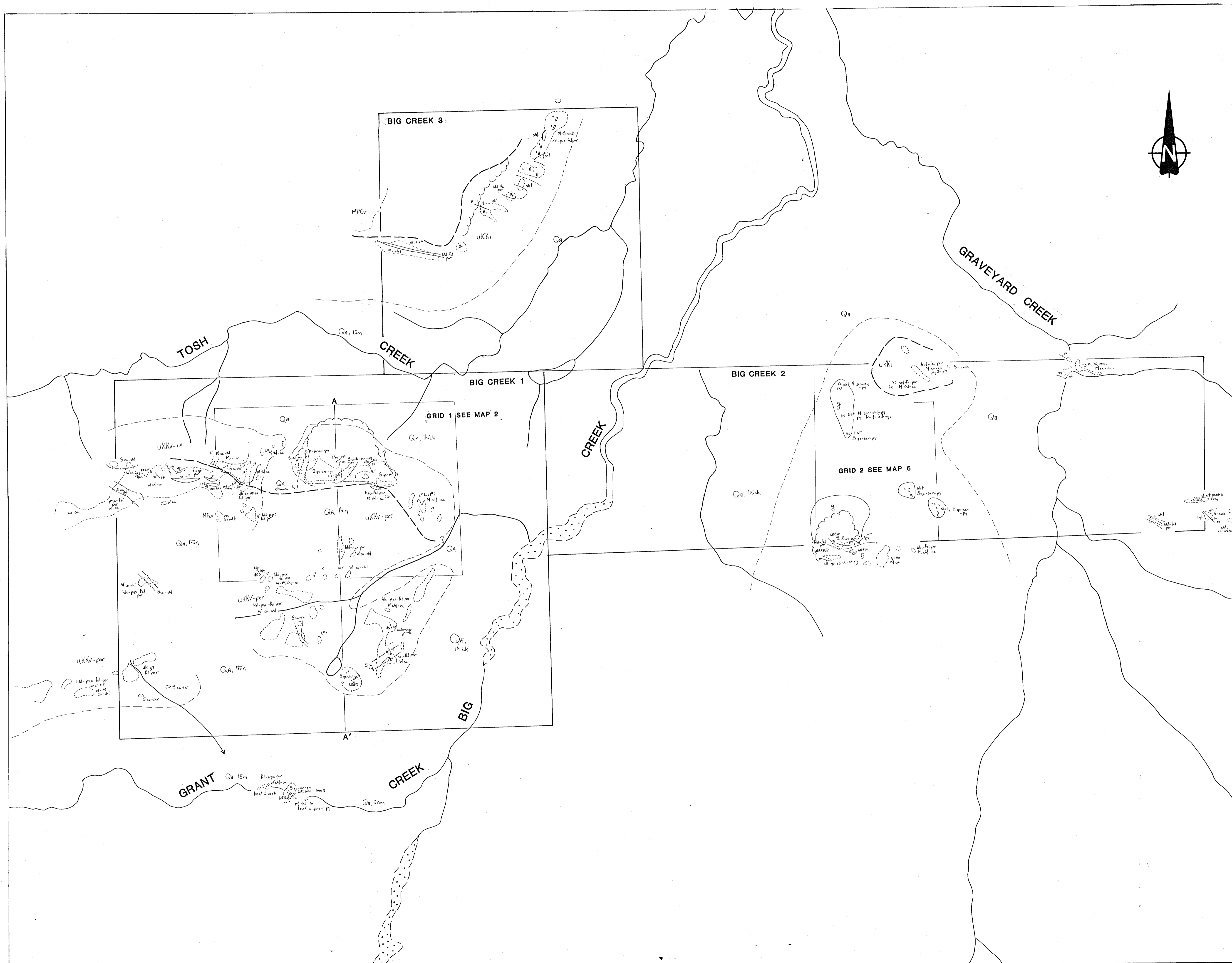
17400 N
16400 N
15400 N
14400 N
13400 N
12400 N
11400 N
10400 N
9400 N
8400 N
7400 N
BASELINE 6400 N
5400 N
4400 N
3400 N
2400 N
1400 N
0+00
1+00 S
2+00 S
3+00 S

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,755
PART 2 OF 2



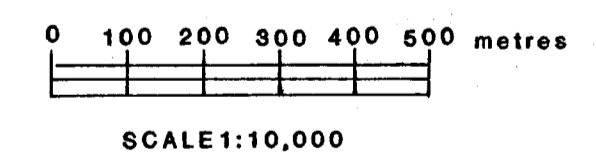
ESSO MINERALS CANADA	
SCURRY PROJECT	
VLF RAW DATA	
Project No. Ma79	Mining Division Clinton
N.T.S. 820/3	Drawn By S.L.
Date Oct. 1986	Map No. 2179-04



STRATIFIED ROCKS	
QUATERNARY	
Q	Glacial, alluvial and fluvial deposits
CRETACEOUS	
Kingsvale Group	
UKKV	Andesitic lapilli tuffs, breccia and subvolcanic feldspar porphyry dikes and sills
UKKS	Interbedded muscovite biotite greywacke, shale and chert pebble conglomerate
Taylor Creek Group	
TKTC	Shale, siltstone, chert pebble conglomerate. Thinly bedded shale, siltstone and green-grey chert-volcanic pebble to cobble conglomerate.
Relay Mountain Group	
IRKM	Interbedded shale, green fossiliferous siltstone and feldspathic greywacke. Local chert-limestone cobble conglomerate.
IRKQ	
IRKM	
PLUTONIC ROCKS	
TERTIARY ?	
EE	Subvolcanic feldspar porphyry (± hornblende, biotite, quartz)
EL	Quartz feldspar dikes
EL	Undifferentiated dikes
CRETACEOUS	
UKK1	Subvolcanic hornblende-pxroxene-feldspar porphyry stocks
SYMBOLS	
[Symbol]	Geological Contact (positive, inferred)
[Symbol]	Alteration Boundary (positive, inferred)
[Symbol]	Outcrop Boundary
[Symbol]	Fault (positive, inferred)
[Symbol]	Thrust Fault (positive, inferred)
[Symbol]	Fault Attitude
[Symbol]	Shear
[Symbol]	Welding (tops unknown, known)
[Symbol]	Fractures
[Symbol]	Vein
[Symbol]	Stringer
[Symbol]	Possil Locality
[Symbol]	Rock Sample (outcrop, float)
[Symbol]	Soil Sample
[Symbol]	Gossan (g)
[Symbol]	Trench
[Symbol]	MINERALS
[Symbol]	Biotite
[Symbol]	Bornite
[Symbol]	Calcite
[Symbol]	Carbonate
[Symbol]	Chlorite
[Symbol]	Chalcopyrite
[Symbol]	Feldspar
[Symbol]	Fe-Oxides
[Symbol]	Galena
[Symbol]	Hornblende
[Symbol]	Monazite
[Symbol]	K-Feldspar
[Symbol]	Malachite
[Symbol]	Magnetite
[Symbol]	Pyrite
[Symbol]	Quartz
[Symbol]	Specularite
[Symbol]	Sphalerite
[Symbol]	OTHER
[Symbol]	Black
[Symbol]	Brown
[Symbol]	Breccia
[Symbol]	Coarse grained
[Symbol]	Dark
[Symbol]	Light
[Symbol]	Medium
[Symbol]	Medium grained
[Symbol]	Maroon
[Symbol]	Nassive
[Symbol]	Porphyry
[Symbol]	Crystal
[Symbol]	Silicified
[Symbol]	Silicification
[Symbol]	Stockwork
[Symbol]	Hydrothermal breccia
[Symbol]	Biotite
[Symbol]	Chlorite
[Symbol]	Carbonate
[Symbol]	Calcite
[Symbol]	Clay
[Symbol]	Epilite
[Symbol]	Fracture
[Symbol]	Hornfels
[Symbol]	Malachite
[Symbol]	K-feldspar
[Symbol]	Leachate
[Symbol]	Limonite
[Symbol]	Sericite
[Symbol]	Vein
[Symbol]	Strong
[Symbol]	Moderate
[Symbol]	Weak

GEOLOGICAL BRANCH ASSESSMENT REPORT

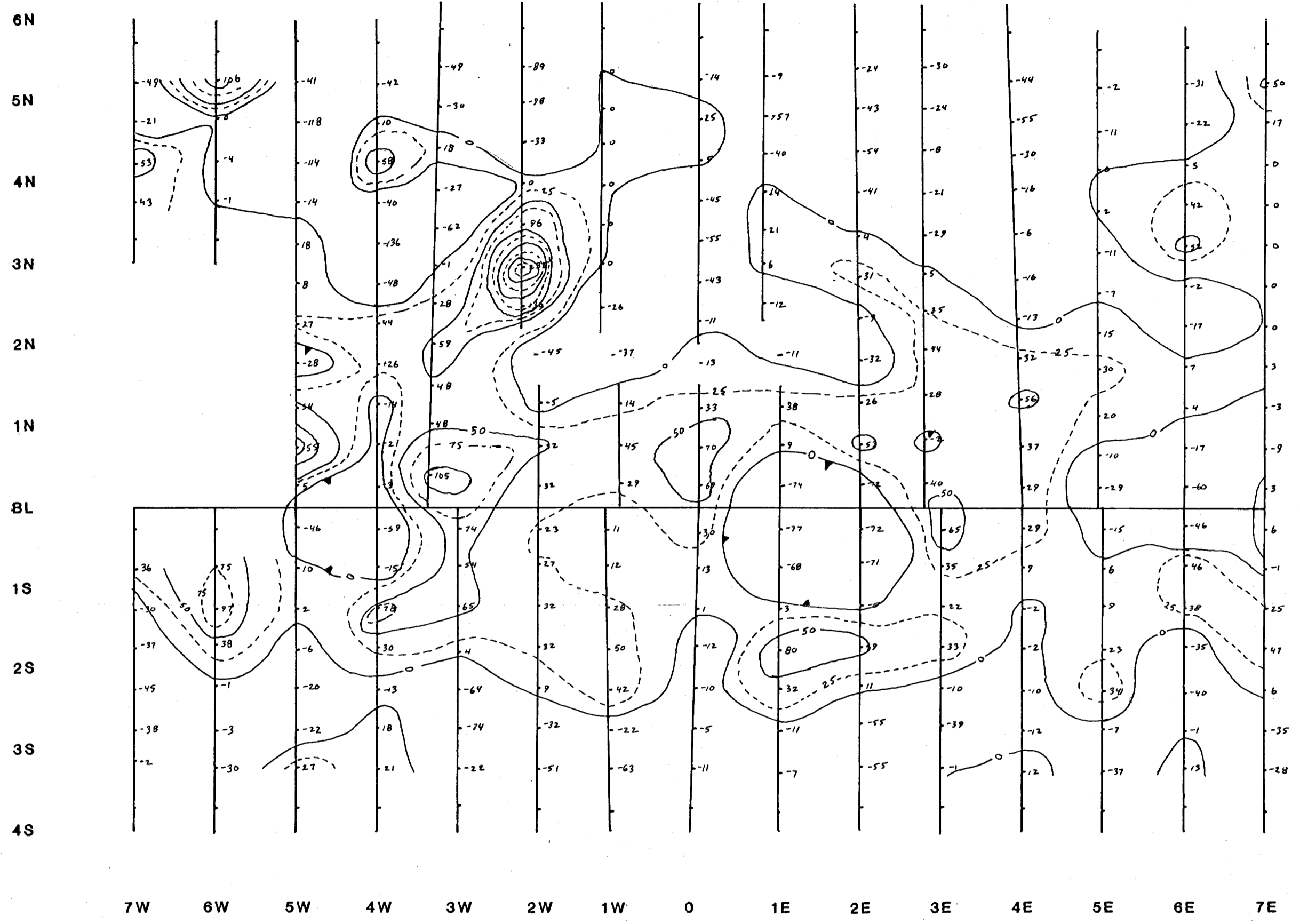
15,755
PART 2 OF 2



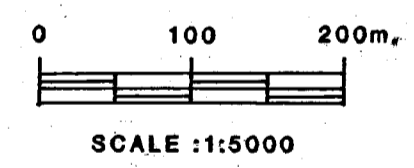
ESSO MINERALS CANADA

BIG CREEK PROJECT
GEOLOGY

Project MA08	Mining Div Clinton
NTS 920/3	Work by H.M.
Date Sept 1986	Map No. 2108-1



Transmitter: Annapolis, Md.
 Frequency: 21.4 KHz.
 Contour Interval:



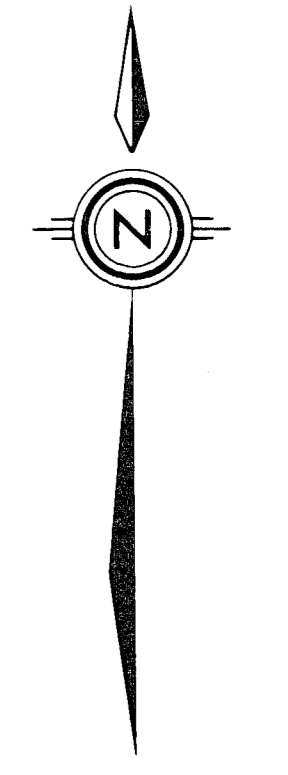
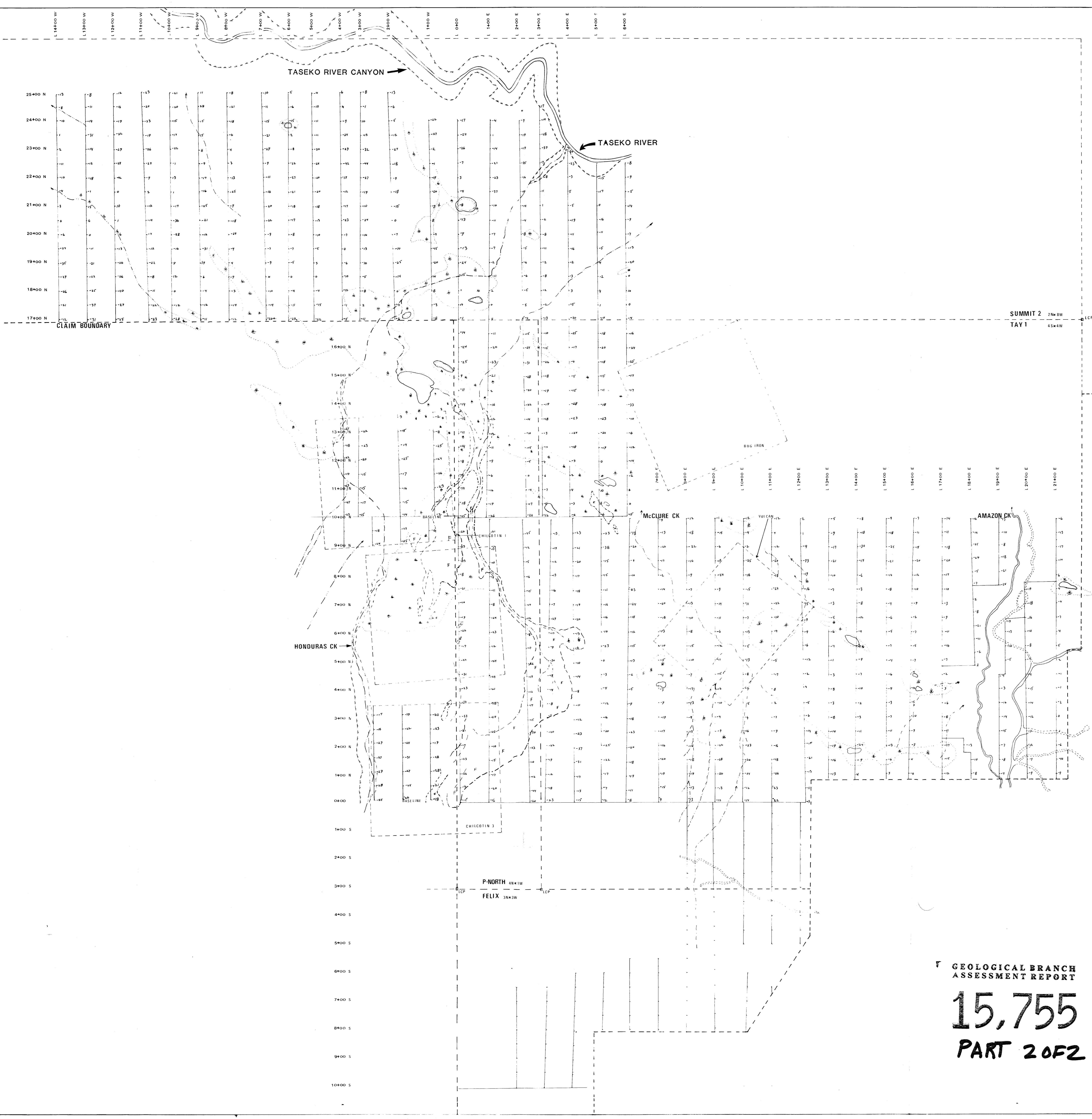
**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

15,755
PART 2 OF 2

ESSO MINERALS CANADA

**BIG CREEK
 FRASER FILTERED
 VLF CONTOUR MAP**

To accompany a report by H. Marsden	
Project No: Ma08	Report No:
Mining Div: Clinton	NTS: 920/3
Survey By: S.L.	Drafted By: S.L.
Date: July 86	Map No: 2108-11

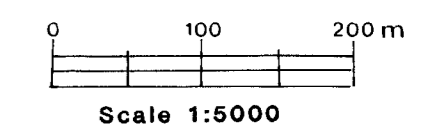


SUMMIT 2 2Nw3W
TAY 1 45x4W

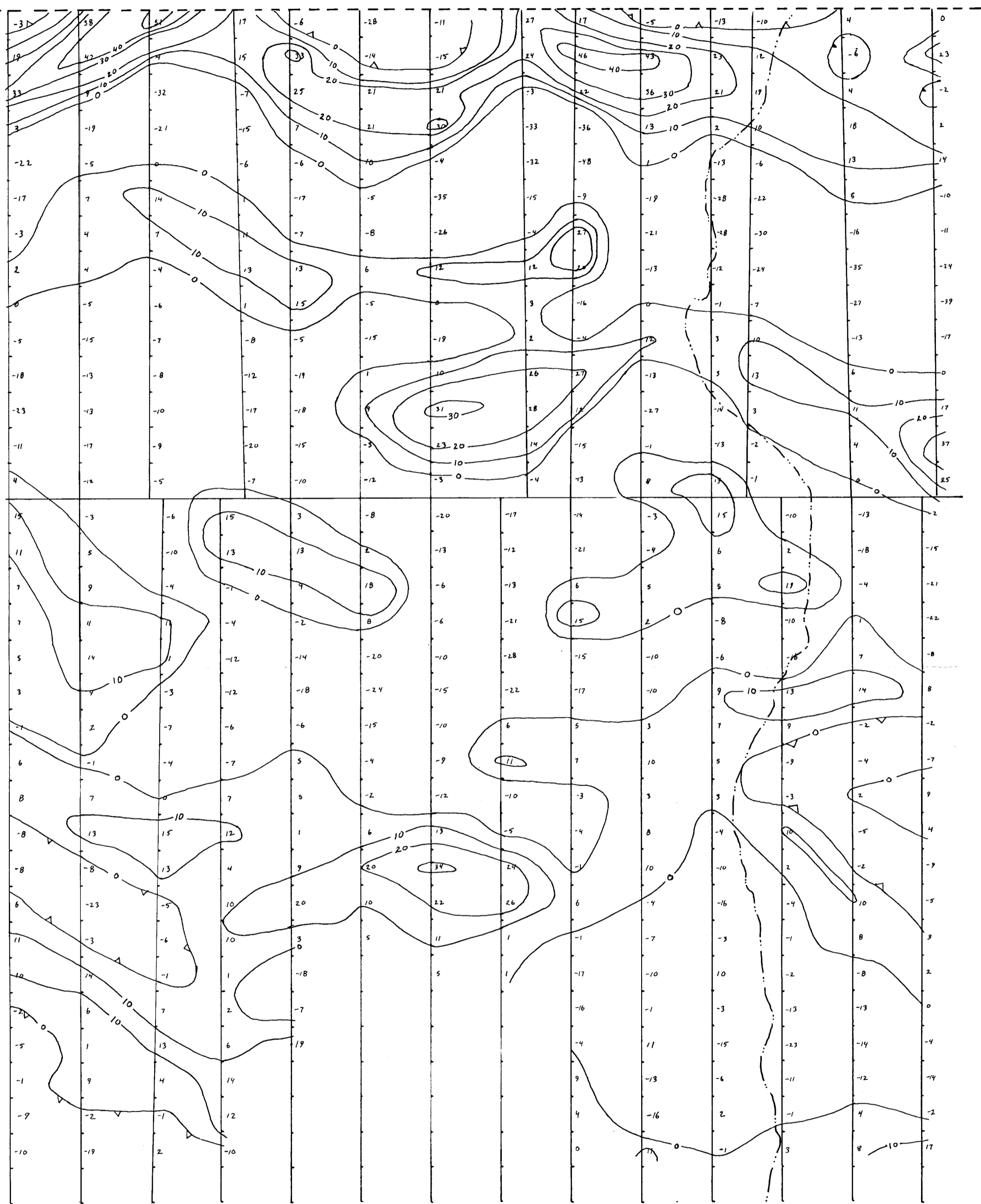
CLAIM BOUNDARY

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,755
PART 2 OF 2



ESSO MINERALS CANADA			
GENOVEVA PROJECT			
VLF RAW DATA			
Project No.	Ma03	Mining Division	Clinton
N.T.S.	920/3	Drawn By	S.L.
Date	Oct. 1986	Map No.	2103-04

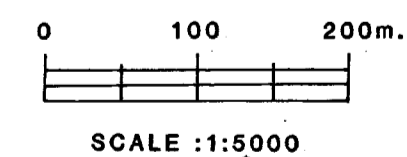


AZ.110° Direction To Annapolis

Transmitter: Annapolis, Md.

Frequency: 21.4 KHz.

Contour Interval: 10



GEOLOGICAL BRANCH
ASSESSMENT REPORT

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PART 2 OF 2

ESSO MINERALS CANADA

HON PROJECT
FRASER FILTERED
VLF CONTOUR MAP

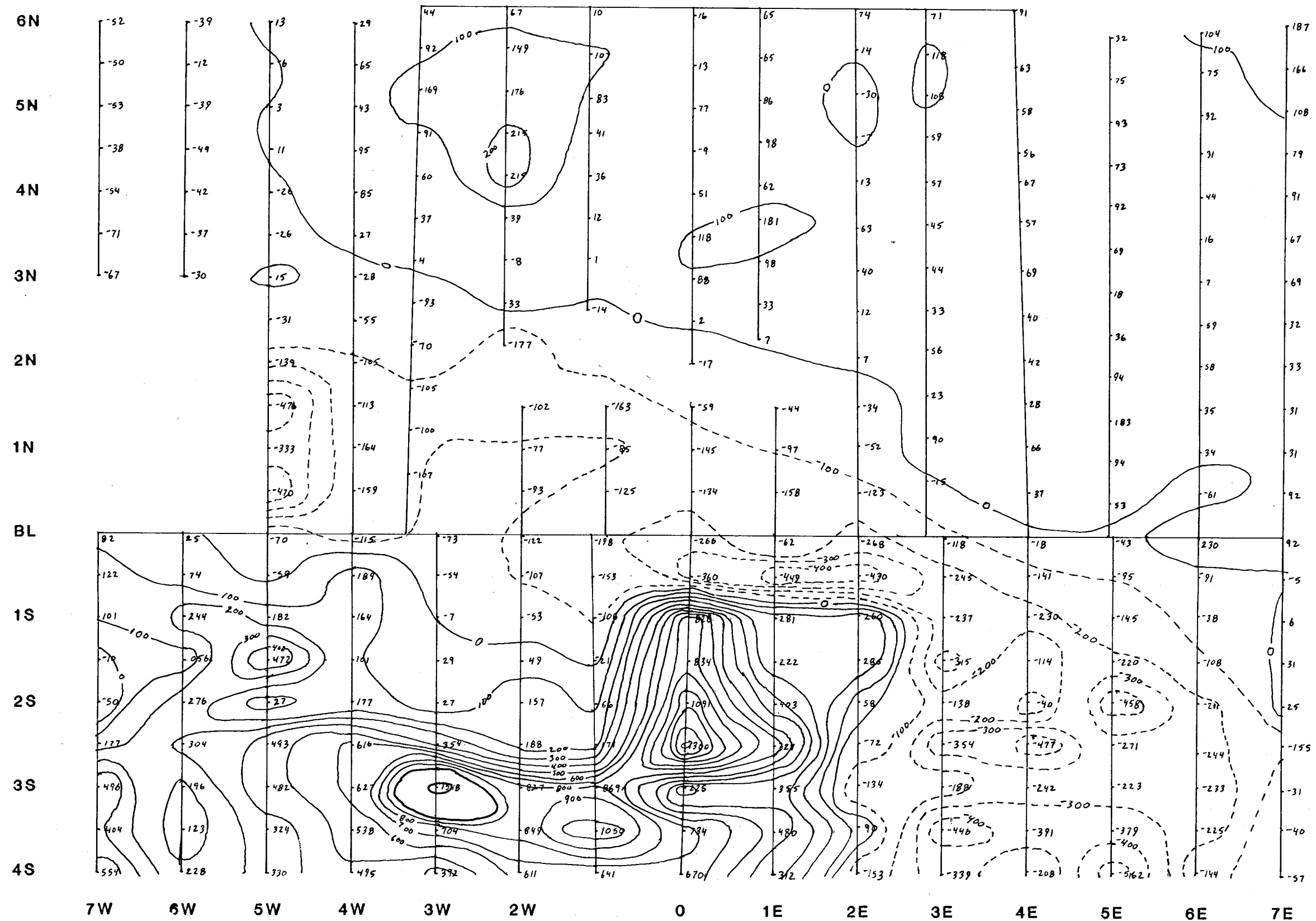
To Accompany a Report By: W. Melnyk

Project No.	Ma05	Mining Division	Clinton
-------------	------	-----------------	---------

N.T.S. No.	920/03	Report No.	
------------	--------	------------	--

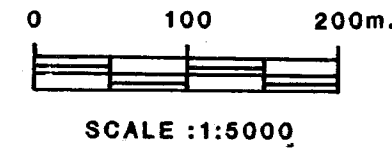
Field Work By	S. Lowe	Drafted By	S. Lowe
---------------	---------	------------	---------

Date	08 Aug. 1988	Map No.	2105-05
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CONTOUR INTERVAL : 100 gammas

PLOTTED VALUE :
recorded value -57000



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

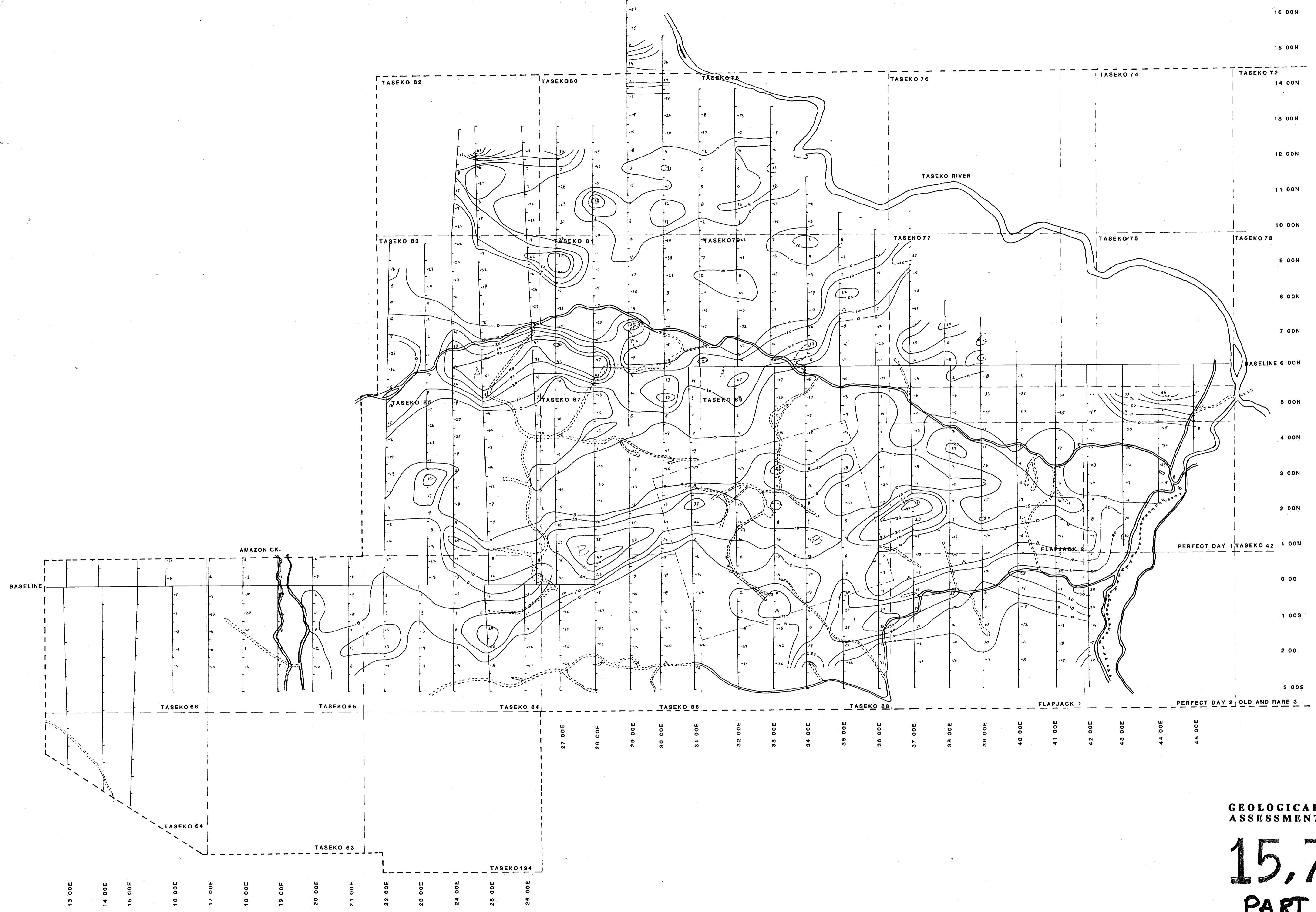
15,755
PART 2 OF 2

ESSO MINERALS CANADA

**BIG CREEK
CONTOURED MAG MAP**

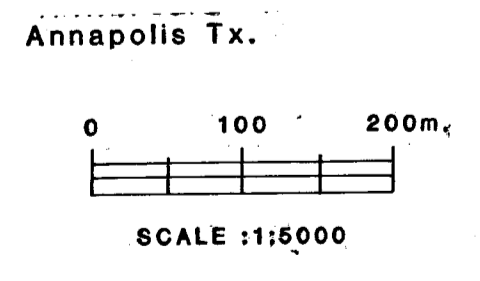
To accompany a report by H. Marsden

Project No: Ma08	Report No:
Mining Div: Clinton	NTS: 920/3
Survey By: S.L.	Drafted By: S.L.
Date: July 86	Map No: 2108-10



Az. 110° Direction To Annapolis

Instrument: IGS-VLF 4
 Transmitter: Annapolis, Md.
 Frequency: 21.4 KHz.
 Contour Interval: 10

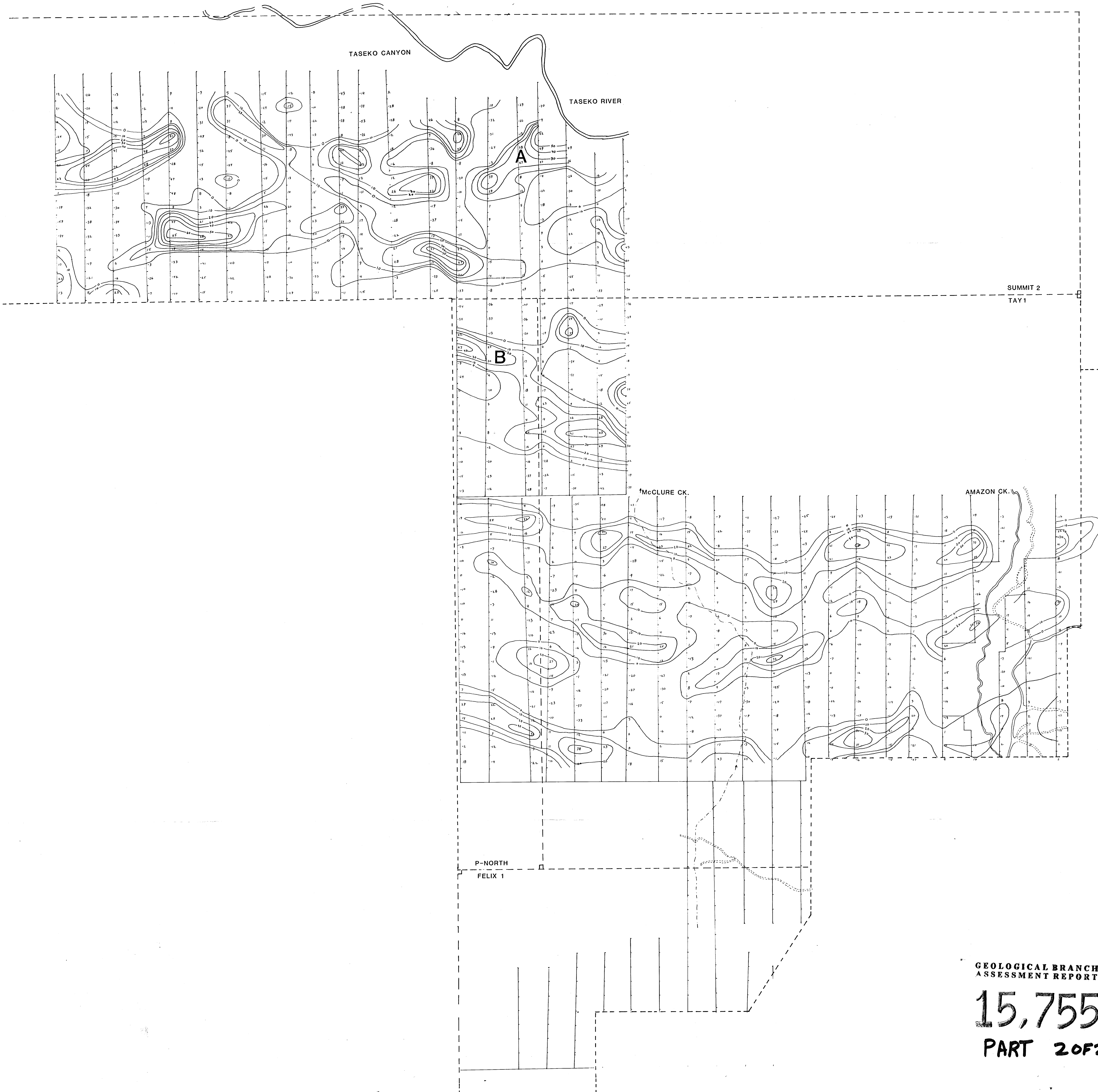
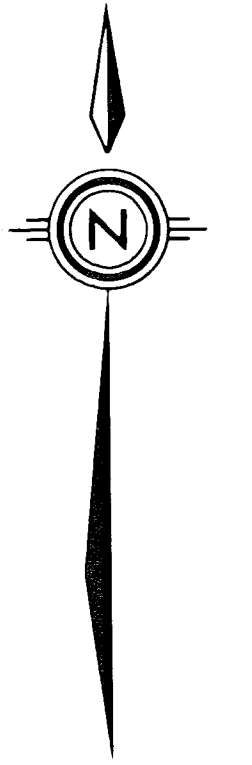


**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

15,755

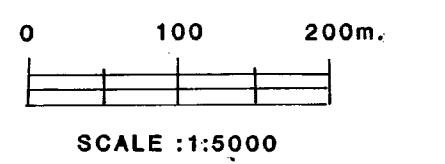
PART 2 OF 2

ESSO MINERALS CANADA			
SCURRY PROJECT FRASER FILTERED VLF CONTOUR MAP			
To Accompany a Report By: W. Melnyk			
Project No.:	Ma78	Mining Division Clinton	
N.T.S. No.:	920/03	Report No.:	
Field Work By:	S. Lowe	Drafted By:	S. Lowe
Date:	08 Aug. 1986	Map No.:	2179-05



Az 110° Direction To Annapolis

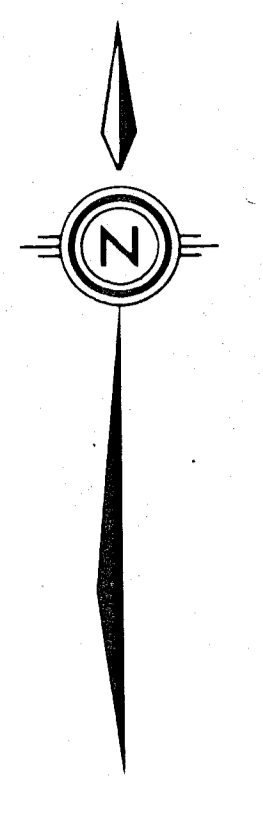
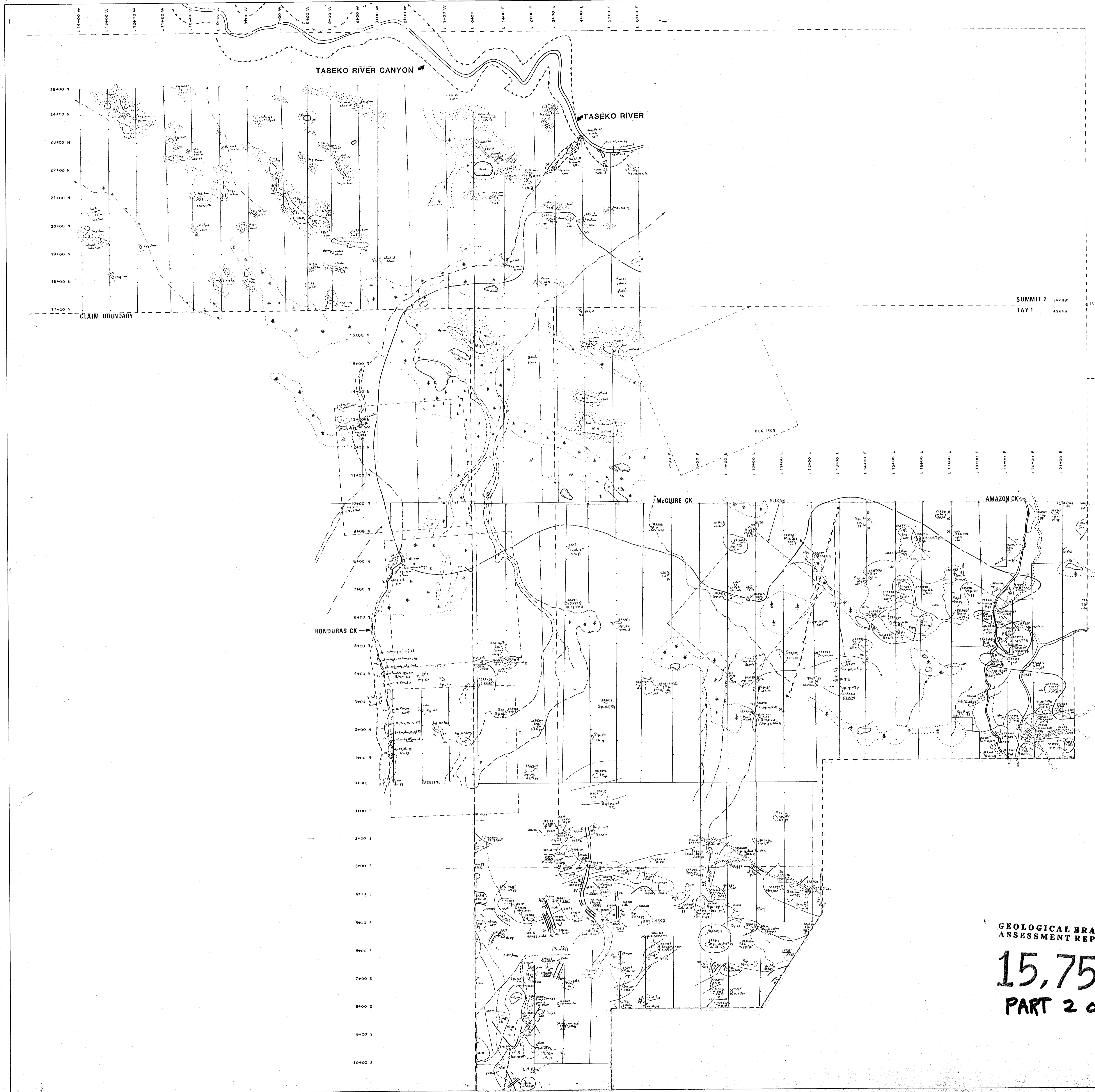
Transmitter: Annapolis, Md.
Frequency: 21.4 KHz.
Contour Interval: 10



GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,755
PART 2 OF 2

ESSO MINERALS CANADA			
GENOVEVA PROJECT			
FRASER FILTERED			
VLF CONTOUR MAP			
To Accompany a Report By: W. Melnyk			
Project No.	Ma03	Mining Division	Clinton
N.T.S. No.	920/03	Report No.	
Field Work By	S. Lowe	Drafted By	S. Lowe
Date	08 Aug. 1988	Map No.	2103-05



LEGEND

KINGSVALE GROUP
(Cretaceous)

(a) Upper porphyritic andesite
(b) Tuffs and intercalated flows and flow breccias
(c) Lower porphyritic andesite with intercalated tuff

- ▲ hydrothermal breccia
- tuff
- △ pyroclastic breccia
- lapilli
- ☉ porphyry
- ☉ porphyritic plutonic rock
- ||||| strongly silicified
- D, D₁ dykes (see text)

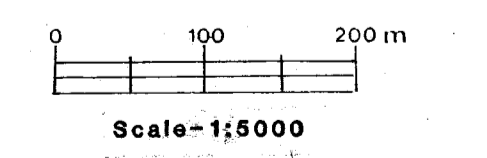
- SYMBOLS**
- geologic contact
 - - - alteration contact
 - (○) outcrop; float
 - - - fault; shear/gouge zone
 - /// bedding; flow banding
 - /// fractures (inclined; vertical)
 - soil sample; composite soil sample
 - x rock sample site; rock chip sample
 - geology station/sample
 - (1233) rock sample for analysis

- ABBREVIATIONS**
- | | |
|-----------------------|----------------------|
| aa advanced argillite | ha loached |
| alu alunite | lim limonite |
| bs biotite | lt light |
| bx breccia | lv lava |
| carb carbonate | M moderate intensity |
| c.g. coarse-grained | mag magnetite |
| chl conglomerate | m.g. medium-grained |
| chl chlorite | pl plagioclase |
| cl clay | pp pyrophyllite |
| cn chalcidony | pur purple |
| cor corundum | px pyroxene |
| di diorite | py pyrite |
| dic dickite | qt quartz |
| dk dark | S strong intensity |
| du dumortierite | ser sericite |
| ep epidote | sid siderite |
| fel feldspar | subc subcrop |
| gr green | spec specularite |
| gran granular | tour tourmaline |
| gy grey | v vein |
| hem hematite | w weak intensity |
| hts hornfels | cr crystal |
| jar jarosite | yel yellow |
| kn kaolinite | |

- ALTERATION**
- | | |
|-----|--------------|
| qz | Quartz |
| alu | Alunite |
| pp | Pyrophyllite |
| ser | Sericite |
| cl | Clay |
| chl | Chlorite |
| hts | Hornfels |

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,755
PART 2 OF 2



ESSO MINERALS CANADA	
GENOVEVA PROJECT	
GEOLOGY and ALTERATION	
Project No.: Ma03	Mining Division: Clinton
NTS: 920/SW	Drawn By: W.M.
Date: Oct. 1988	Map No.: 2103-01