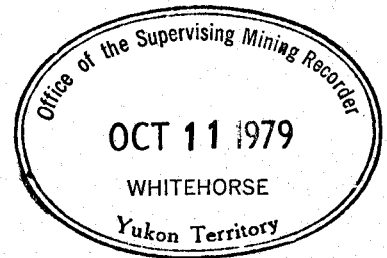


COMINCO LTD.



EXPLORATION
N.T.S. 116C/8

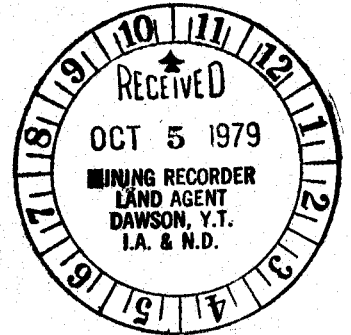
WESTERN DISTRICT

GEOPHYSICAL SURVEY

ON THE

MICKEY CLAIMS

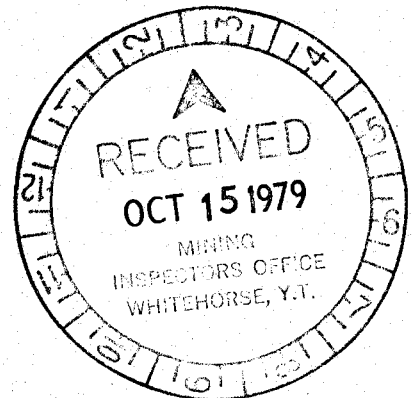
DAWSON M.D., YUKON TERRITORY



Latitude: 64°20'N Longitude: 140°30'W

Work Performed: June 29-July 5, 1979

Claims Covered: MICKEY 3-10, 19

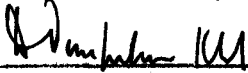


090505
August 1979

A.R. SCOTT

This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of

\$ 9,500 INCLUDES TRENCHING & GEOCHEMICAL REPORT



Resident Geologist or
Resident Mining Engineer

Considered as representation work under
Section 58 (4) Yukon Quartz Mining Act.


B. R. BAXTER
Supervising Mining Recorder

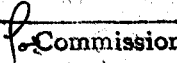

Commissioner of Yukon Territory

TABLE OF CONTENTS

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INTRODUCTION.	1
HORIZONTAL LOOP ELECTROMAGNETIC SURVEY.	1
DISCUSSION OF RESULTS	1
CONCLUSIONS	2

A T T A C H M E N T S

Plate 154-79-1	Location Map
-2	Claims and grid location map
-3	Horizontal Loop Electromagnetic Profiles
Appendix I	Statement
Appendix II	Cost Statement
Appendix III	Certification

INTRODUCTION

During the period June 20 to July 5, 1979, a COMINCO geophysical crew, under the direction of Cominco geophysicist N.T. Hopkins, completed some 9.5 line kilometers of 100 meter coil separation, and some 2.4 line kilometers of 50 meter coil separation, dual frequency horizontal loop electromagnetic survey. The work was done over portions of the MICKEY Claims.

The MICKEY Claims are located immediately east of the Clinton Creek road, some 60 kilometers west of Dawson City. The general location is indicated on plate 154-79-1 and the location of the survey grid relative to the claim is shown on plate 154-79-2.

HORIZONTAL LOOP ELECTROMAGNETIC (HLEM) SURVEY

An Apex Parametrics Max Min II electromagnetometer was used for the HLEM survey. Lines 300, 450 and 600N were surveyed at both a 50 meter and 100 meter coil separation, and the remainder of the grid at a 100 meter coil separation only. In all cases readings were taken at both 3555 Hz and 1777 Hz. The normal station interval for the 100 meter coil separation survey was 50 meters with fill-in to 25 meters on those lines where a conductor was detected.

The HLEM data is plotted in profile form on accompanying plate 154-79-3.

DISCUSSION OF RESULTS

There is a definite positive shift of the zero level for the HLEM data, particularly on those lines on which conductors were detected. This indicates a relatively conductive host rock environment.

Conductors were

.....2/

Conductors were detected on the northern survey lines and on the southern survey lines, but no conductors were detected on the central portion of the grid. In the southern portion of the survey area, two subparallel conductors trend north west across the survey grid. The more northerly conductor may represent the response to a broad conductive zone, or possibly the response to multiple narrow conductors.

Several relatively weak HLEM conductors were detected on the northernmost survey lines. It is not clear how they should be correlated from line to line (strike).

Conductor locations, and inferred strike of the conductors, has been noted on the plan. The grid appears to have been oriented too obliquely to the strike of these conductors for a quantitative assessment, but all the conductors can be classified as weak.


CONCLUSIONS

A horizontal loop electromagnetic (HLEM) survey was conducted over portions of the MICKEY Claims in the summer of 1979. Several weak conductors were detected on the survey, as discussed and defined in the previous section of this report.


No further work can be recommended on the basis of these geophysical results alone.

---oOo---

Respectfully submitted:


ALAN SCOTT
Geophysicist

Endorsed by:


G. HARDEN
Manager, Western District

/tlp

Distribution:

Mining Recorder (2)
Western District (1)
Geophysics File (1)

APPENDIX I

IN THE MATTER OF THE ACT RESPECTING QUARTZ
MINING IN THE YUKON TERRITORY
AND IN THE MATTER OF A GEOPHYSICAL PROGRAMME
CARRIED OUT ON PORTIONS OF THE MICKEY MINERAL CLAIMS
ON THE MICKEY PROPERTY
LOCATED IN THE DAWSON MINING DIVISION OF THE
YUKON TERRITORY

S T A T E M E N T

I, ALAN SCOTT, of the City of Vancouver, in the Province of British Columbia, make oath and say:

1. That I am employed as a geophysicist by COMINCO LTD. and, as such, have a personal knowledge of the facts to which I hereinafter depose.
2. That annexed hereto and marked as "Appendix II" to this statement is a true copy of expenditures incurred on geophysical survey on the MICKEY Mineral Claims.
3. That the said expenditures were incurred for the purpose of mineral exploration of the above-noted claims between the 29th of June and the 5th of July 1979.



ALAN R. SCOTT
Geophysicist

ARS/tlp

APPENDIX II

MICKEY CLAIMS

STATEMENT OF EXPENDITURES
(Horizontal Loop EM Survey)

SALARIES

N.T. Hopkins	June 29-July 5: 7 days @ \$125	\$ 875.00
S. Kirstiuk	June 29-July 5: 7 days @ \$ 81	567.00

RENTALS

Horizontal Loop (Max Min II) EM System		
	7 days @ \$ 35	245.00

MOBILIZATION/DEMOBILIZATION

Geophysical equipment & personnel		533.00
-----------------------------------	--	--------

HELICOPTER SUPPORT

1 hour		338.00
--------	--	--------

CAMP COSTS

14 man days @ \$14.29		200.00
-----------------------	--	--------

CHARGES PER OPERATING DAY
(towards drafting, report, supervision)

6 survey days @ \$175 per survey day		<u>1,075.00</u>
--------------------------------------	--	-----------------

TOTAL.....\$3,833.00



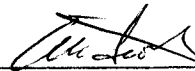
ARS/tlp

APPENDIX III

C E R T I F I C A T I O N

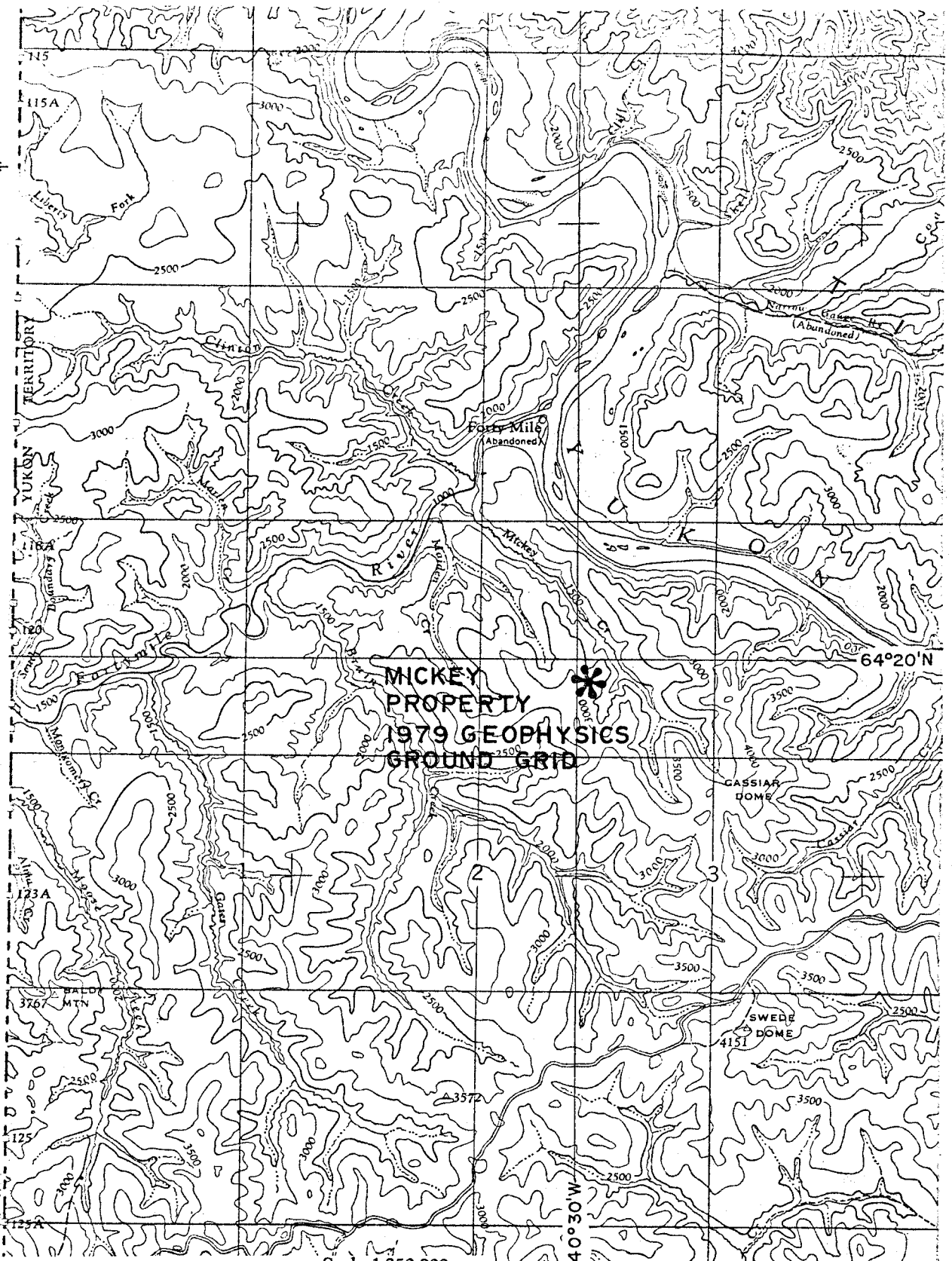
I, ALAN SCOTT, of 4013 W. 14th Avenue, in the City of Vancouver, in the Province of British Columbia, do hereby certify that:

1. I graduated from the University of British Columbia in 1970 with a B.Sc. in Geophysics.
2. I am a member of the Association of Professional Engineers of the Province of Saskatchewan, the Society of Exploration Geophysicists of America, and the British Columbia Geophysical Society.
3. I have been practising my profession for the past nine years.



ALAN SCOTT
Geophysicist

ARS/tlp
21 September 1979



MICKEY
PROPERTY
1979 GEOPHYSICS
GROUND GRID

Scale 1:250,000

1 Inch to 4 Miles Approximately



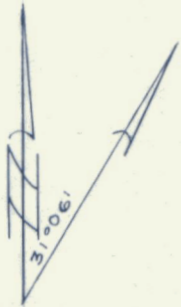
MICKEY PROPERTY



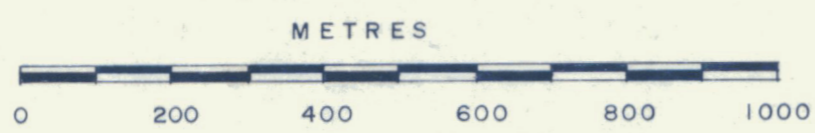
NTS
116 C 8

Drawn by:		Traced by:	
Revised by	Date	Revised by	Date

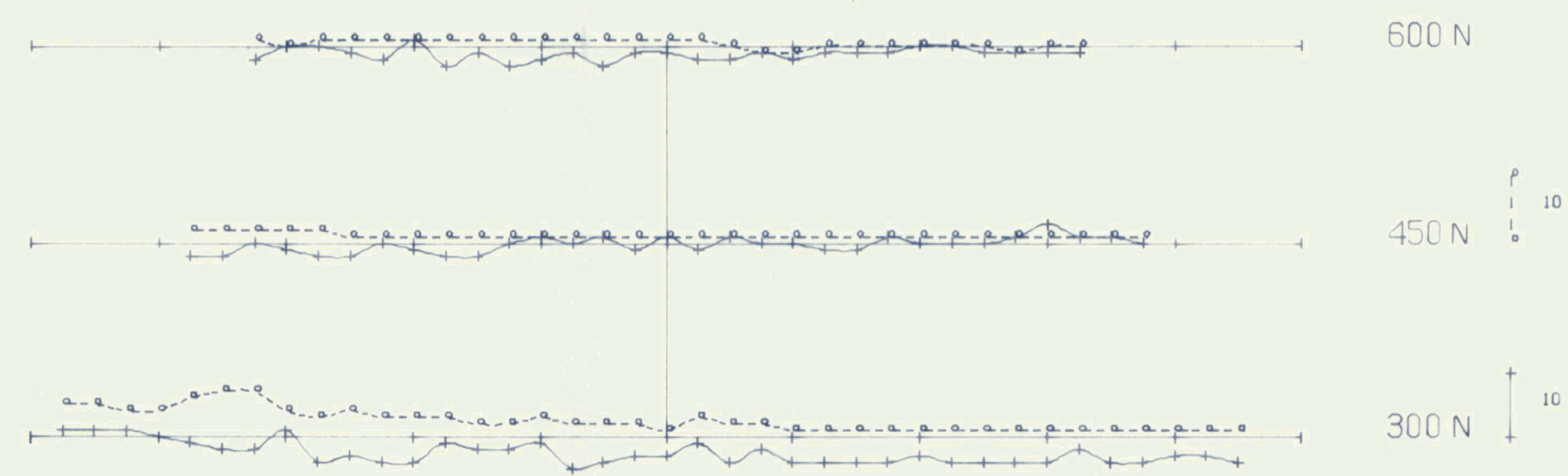
LOCATION MAP
DAWSON M.D., YUKON



- 1979 GEOPHYSICS GROUND GRID
- APPROXIMATE LOCATION OF THE CLAIM BOUNDARY
- ROAD
- CREEK

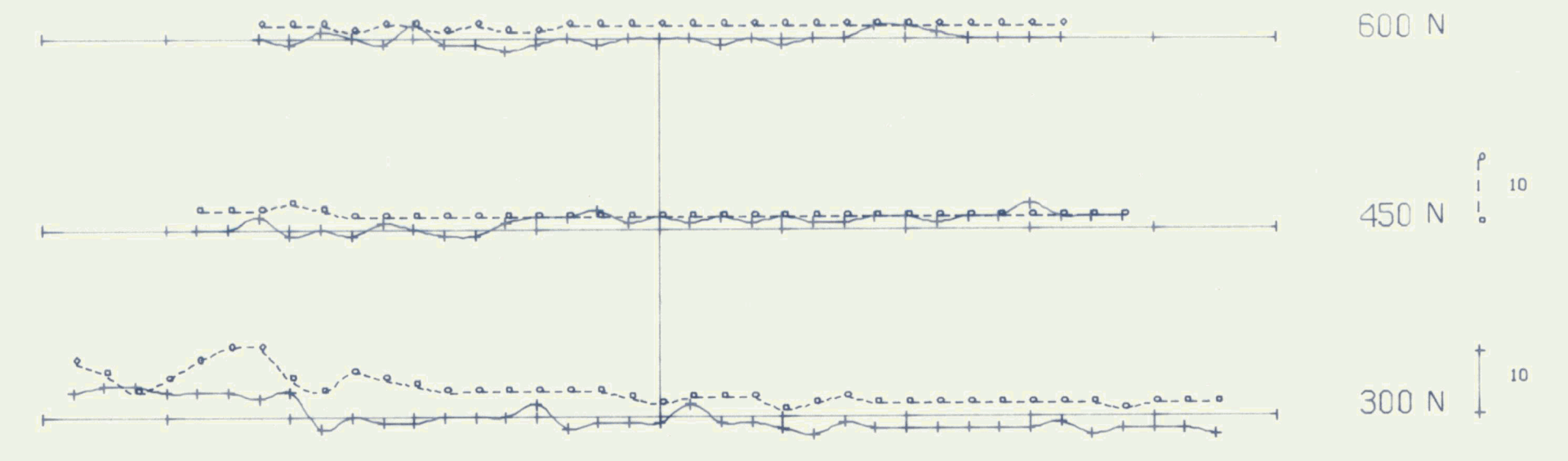


MICKEY PROPERTY				NTS 116-C-8	
Drawn by:		Traced by:		 CLAIM MAP DAWSON M.D. YUKON	
Revised by	Date	Revised by	Date		
Scale: 1:10,000		Date: AUG., 1979		Plate: 155-79-2	



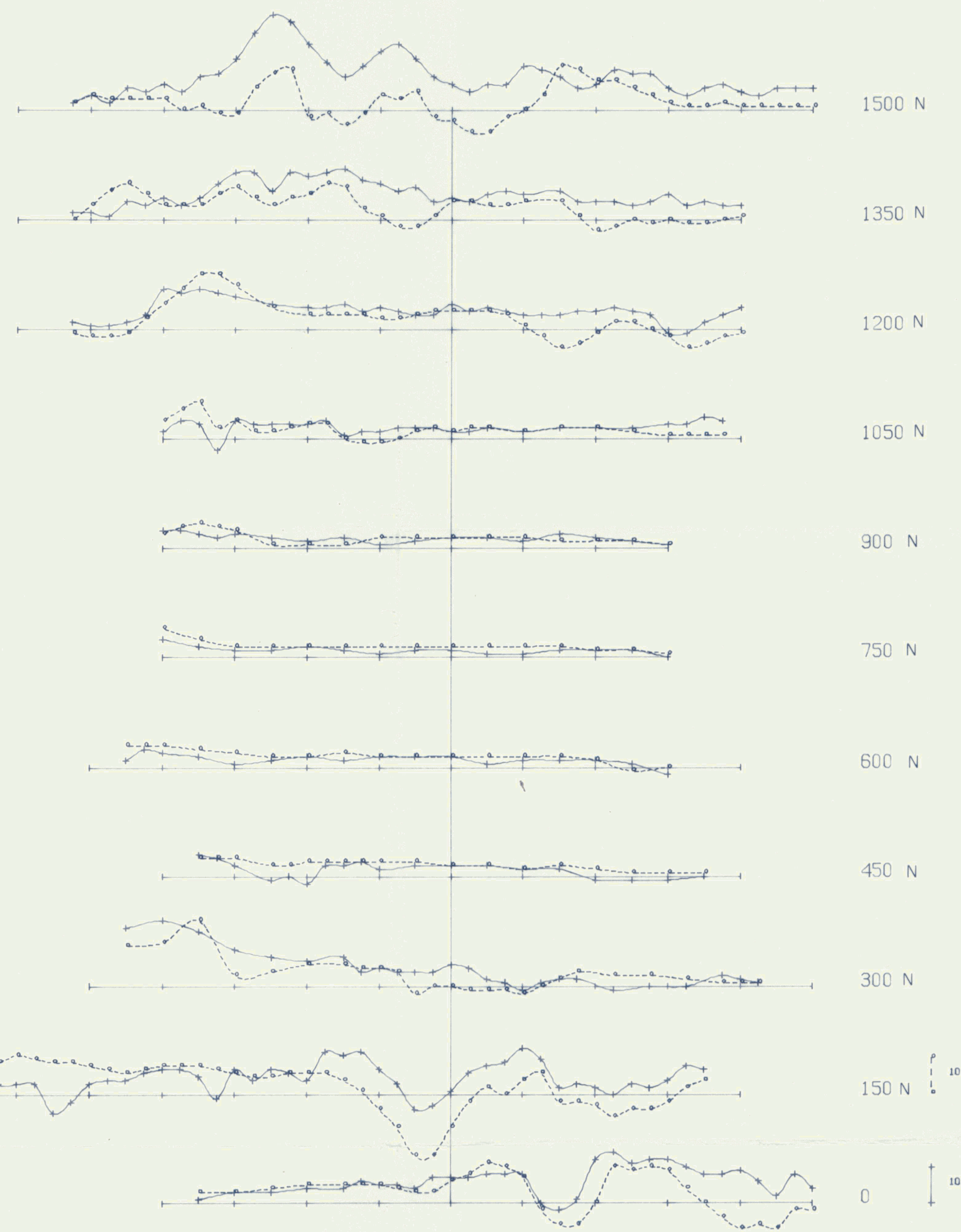
500W 400W 300W 200W 100W 0 100E 200E 300E 400E 500E

MICKEY GRID HLEM CS=50M 1777 HZ 1:5000 1CM=10X



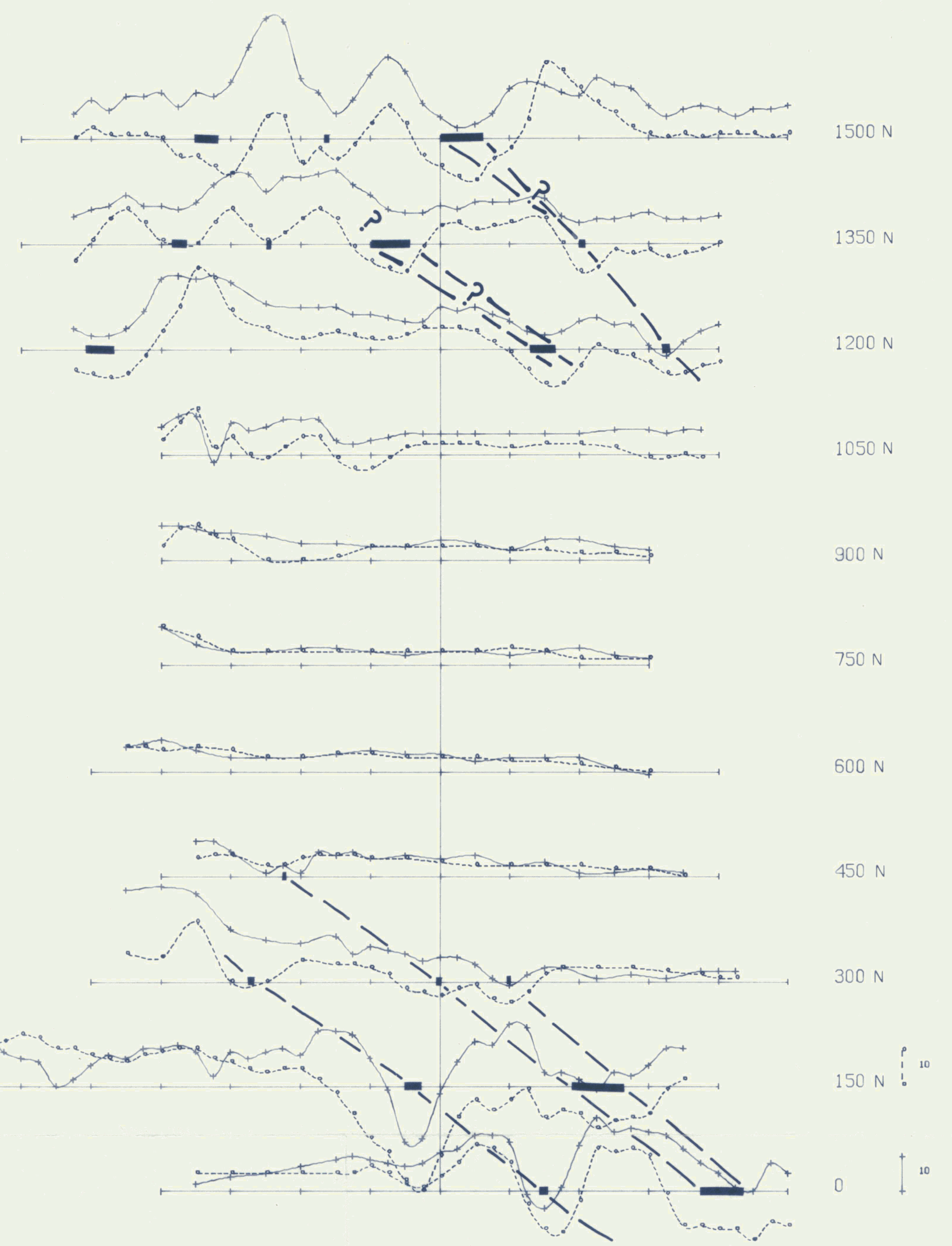
500W 400W 300W 200W 100W 0 100E 200E 300E 400E 500E

MICKEY GRID HLEM CS=50M 3555 HZ 1:5000 1CM=10X



900W 800W 700W 600W 500W 400W 300W 200W 100W 0 100E 200E 300E 400E 500E

MICKEY GRID HLEM CS=100M 1777 HZ 1:5000 1CM=10X



900W 800W 700W 600W 500W 400W 300W 200W 100W 0 100E 200E 300E 400E 500E

MICKEY GRID HLEM CS=100M 3555 HZ 1:5000 1CM=10X

- +— IN PHASE
 - o— OUT OF PHASE
 - CONDUCTOR LOCATION WITH INDICATED WIDTH
 - +— CONDUCTOR LOCATION NO INDICATED WIDTH
 - - - INFERRED CONDUCTOR STRIKE
- INSTRUMENT: MAX MIN II

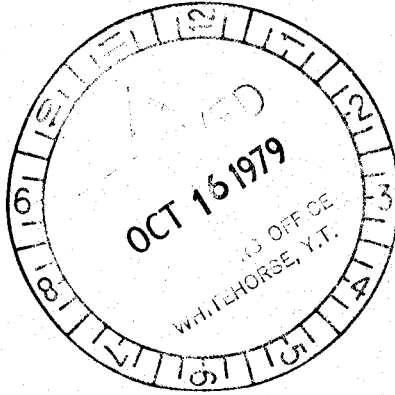


MICKEY PROPERTY			
Drawn by:	Traced by: <i>[Signature]</i>		
Revised by:	Date:	Revised by:	Date:
ELECTROMAGNETIC HORIZONTAL LOOP PROFILES, 1777 Hz AND 3555 Hz 50m AND 100m COIL SEPARATION DAWSON M. D., YUKON			
Scale:	AS SHOWN	Date:	SEPT., 1979
			Plate: 154-79-3

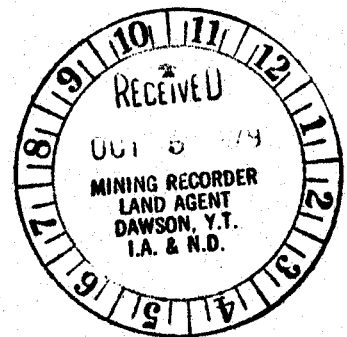
COMINCO LTD.

EXPLORATION
NTS: 116C/8

WESTERN DISTRICT



GEOCHEMICAL REPORT ON THE
MICKEY CLAIMS 1-15 SITUATED AT
140°28'W LONGITUDE; 64°19'N LATITUDE
DAWSON M.D., YUKON TERRITORY



090505
SEPTEMBER 24, 1979

E.G. OLFERT

This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of

\$ 9,500 INCLUDES TRENCHING & GEOCHEMICAL WORK *SMR*

[Signature]

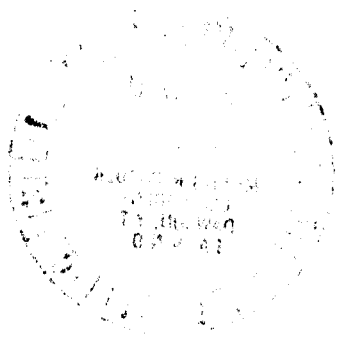
Resident Geologist or
Resident Mining Engineer

Considered for representation work under
Section 52 (4) Yukon Quartz Mining Act.

[Signature]

E. R. BAXTER
Supervising Mining Recorder

[Signature]
Commissioner of Yukon Territory



COMINCO LTD.

EXPLORATION
NTS: 116C-8


WESTERN DISTRICT
24 SEPTEMBER 1979

GEOCHEMICAL REPORT ON THE
MICKEY CLAIMS 1-15 SITUATED AT
140°28'W LONGITUDE; 64°19'N LATITUDE
DAWSON M.D., YUKON TERRITORY

Located claims on which assessment credits are requested:

<u>CLAIM</u>	<u>RECORD NO.</u>	<u>DATE RECORDED</u>	<u>ASSESSMENT CREDIT</u>	<u>AMOUNT</u>
Mickey 1	YA 31690	Aug. 28/78	3	\$300
2	YA 31691	Aug. 28/78	3	300
3	YA 31692	Aug. 28/78	3	300
4	YA 31693	Aug. 28/78	3	300
5	YA 31694	Aug. 28/78	3	300
6	YA 31695	Aug. 28/78	3	300
7	YA 31696	Aug. 28/78	3	300
8	YA 31697	Aug. 28/78	3	300
9	YA 31698	Aug. 28/78	3	300
10	YA 31699	Aug. 28/78	3	300
11	YA 31700	Aug. 28/78	3	300
12	YA 31701	Aug. 28/78	3	300
13	YA 31702	Aug. 28/78	3	300
14	YA 31703	Aug. 28/78	3	300
15	YA 31704	Aug. 28/78	3	300
			<u>45</u>	<u>\$4,500</u>

Geochemical work was done on these claims between June 21-25 inclusive.
Linecutting was done between June 12-18.

Report by: 

E.G. Olfert, B.Sc. Hon.
Geologist

Under the supervision of Roy Y. Watanabe, Senior Geologist.

EGO/gk

COMINCO LTD.

EXPLORATION
NTS: 116C-8

WESTERN DISTRICT
24 SEPTEMBER 1979

GEOCHEMICAL REPORT ON THE

MICKEY CLAIMS 1-15

DAWSON M.D., YUKON TERRITORY

INTRODUCTION

The Mickey claims were staked in August 1978 to cover an area containing anomalous Pb/Zn geochemistry in soils and silts. The region is underlain by a package of Ordovician/Silurian quartzites and phyllites known as the Nasina group.

This report is based mainly on field studies made between June 21-25, 1979, however some field work was conducted by Cominco personnel during August of 1978. The aim of this program was to define the size of the Pb/Zn anomalous area by soil grid geochemistry.

Personnel employed during the course of this study include:

E.G. Olfert - June 21-25 - 7th Floor, 409 Granville St., Vancouver, B.C.
A. Wilkins - June 21-22 - 7th Floor, 409 Granville St., Vancouver, B.C.
D. O'Brien - June 21-25 - 7th Floor, 409 Granville St., Vancouver, B.C.

LOCATION AND ACCESS

The Mickey claims are located 36 miles northwest of Dawson City near the headwaters of Mickey Creek.

The claims lie within the Dawson Mining Division and are located at 140°28' W longitude and 64°19'N latitude, NTS: 116/C-8.

Access is by helicopter based at Dawson City. The road to Clinton Creek flanks the west side of the claim group.

SUMMARY

Assessment work conducted on the claim group includes linecutting, soil sampling and minor prospecting. The grid area has been sampled at 25 m intervals along lines spaced 150 m apart. Most significant on the property is a large Pb geochemical anomaly \approx 500 m long x 200 m wide (anomaly A) and adjacent anomalies B and C.

GEOLOGY

The claims are underlain by a sequence of carbonaceous quartzites and phyllites of the Nasina group, which strike roughly in a north northwest direction and dip to the west. A number of serpentinite bodies outcrop at the north end of the grid area. The area is structurally complex with up to three stages of folding and minor block faulting. Minor folds on the property were observed to plunge to the northwest.

MINERALIZATION (Rock Geochemistry)

A number of leached gossan samples were found and analysed for Pb/Zn/Ba. The best samples were obtained from anomalies B: (1) 22 ppm Pb, 2000 ppm Zn, .35% Ba; (2) 800 ppm Pb, 200 ppm Zn. These samples consisted of vuggy grey/green schist filled with limonite. Another leached gossan sample was found at the north end of anomaly A - containing 6 ppm Pb, 740 ppm Zn and 2% Ba. A few other samples consisting of quartzite with disseminated rusty specks were analysed but the results were low.

Some fresh pyrite was found in a few outcrops near the junction of the two creeks at the south end of the grid area. The Py mineralization was disseminated in grey micaceous quartzites and chloritic schists.

GEOCHEMISTRY (Soil and Silt)

The most significant part of the grid area is in the region of anomalies A, B and C. Anomaly A contains anomalous Pb in soils over an area \approx 500 m x 200 m with numerous values 300-700 ppm Pb. Background values for Pb are in the range of 50 ppm and threshold values around 100 ppm. The high Zn values in anomaly A appear to be more restricted and occur further down slope ranging from 200-600 ppm. Background values for Zn range from 50-80 ppm and threshold values \approx 125 ppm. Anomaly B is high in both Pb and Zn but the area is smaller and the values appear to be erratic. Anomaly C covers an area \approx 125 m x 200 m and contains some very high Pb values up to 1320 ppm. The creek that drains the above areas is anomalous in both Pb and Zn with values 150-250 ppm Pb and Zn.

A number of small anomalies including D and E occur at the north end of the grid area. Extensive talus occurs over anomaly D but the only sign of mineralization was a few disseminated rusty specks in grey quartzites. Anomaly E contains some very graphitic phyllite and some serpentine but without visible sulphides. A silt sample from the creek at anomaly E contained 56 ppm Pb and 190 ppm Zn.


A number of scattered and erratic anomalies occur in the east half of the grid area. Most of the anomalies have a lower range of Pb/Zn values or are restricted in size compared to the area containing anomalies A, B and C.

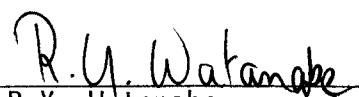
INTERPRETATION OF RESULTS

The most significant target for further exploration is the area in anomalies A, B and C. The presence of a number of leached gossan samples from the upper end of anomalies A and B may suggest that Pb/Zn/Ba sulphides may be found beneath the bush and moss cover. Pb geochemistry appears to define the anomalous areas more effectively than Zn geochemistry: Pb has a much greater contrast between anomalous and background values. Also it appears that the Zn has migrated downslope relative to the Pb as is the case in anomaly A.

The north end of anomaly B and the area between anomaly A and B is free of permafrost which may indicate relatively more intense leaching in this zone.

Anomalies D and E do not appear to be significant because of the nature of the talus float found in these areas. The phyllites in anomaly E may contain a high background in Pb/Zn. The anomalies on the east half of the grid are not thought to be too significant although the area is completely bush covered. The creek draining anomalies A and B may represent a block fault: Pb/Zn values on the south side of the creek are extremely low relative to the north side.

Report by: 
E.G. Olfert
Geologist

Endorsed by: 
R.Y. Watanabe
Senior Geologist

EGO/gk

Attachments:

1. Location Map 1:250,000
2. Claim Map 1" = $\frac{1}{2}$ mile
3. Pb Geochemistry Map 1:2,500
4. Zn Geochemistry Map 1:2,500

Approved for
Release by: 
G. Harden, Manager
Exploration
Western District

COMINCO LTD.

EXPLORATION
NTS: 116/C-8

WESTERN DISTRICT
24 SEPTEMBER 1979

EXHIBIT "A"

GEOCHEMICAL REPORT ON THE
MICKEY CLAIMS 1-15 SITUATED AT
140°28'W LONGITUDE; 64°19'N LATITUDE
DAWSON M.D., YUKON TERRITORY

SALARIES:

E. Olfert (5 days plus 1 day for report writing)	\$ 660
A. Wilkins (2 days at \$50/day)	100
D. O'Brien (5 days at \$50/day)	250

LINECUTTING

9 km at \$185/km	1,665
------------------	-------

CAMP COSTS:

Food and equipment	360
--------------------	-----

MOBILIZATION:

Truck rental - air fare, hotel	500
Helicopter - 1 hour at \$338/hour	338

ANALYSIS:

Pb/Zn - 375 samples at \$2.40/sample	<u>900</u>
--------------------------------------	------------

\$4,773

Signed: _____

E. G. Olfert
E.G. Olfert
Geologist

This is Exhibit "A" to the affidavit relating to the geochemical survey declared before me the 25th day of September 1979.

Signed: _____

Catherine A. Aise
A Notary Public in and for
the Province of British Columbia

STATEMENT OF QUALIFICATIONS

I, Ernest Olfert, with business address at 409 Granville Street, 7th Floor, Vancouver, British Columbia, do hereby certify that I have supervised the field work and have assessed and interpreted the data resulting from this geochemical survey on the Mickey mineral claims.

I also certify that:

1. I am a graduate of the University of Calgary, Alberta, B.Sc. Honours Geology;
2. I have engaged in mineral exploration since graduation.

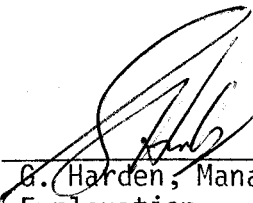
Respectfully Submitted:



Ernest G. Olfert
B.Sc. Honours

Ernest Olfert was responsible for supervising the geochemical survey described herein. Mr. Olfert received his B.Sc. degree in Honours Geology from the University of Calgary in 1970. He has worked for Cominco Ltd. for nine summer field seasons and has been a permanent employee since December 1, 1971. I consider him a competent geologist.

Signed by:



G. Harden, Manager
Exploration
Western District

COMINCO LTD.

EXPLORATION
NTS: 116/C-8

WESTERN DISTRICT
24 SEPTEMBER 1979

IN THE MATTER OF THE
YUKON QUARTZ MINING ACT AND
IN THE MATTER OF A GEOCHEMICAL SURVEY
CARRIED OUT ON MINERAL CLAIMS MICKEY 1-15
LOCATED IN THE DAWSON M.D., YUKON TERRITORY
MORE PARTICULARLY NTS: 116/C-8

A F F I D A V I T

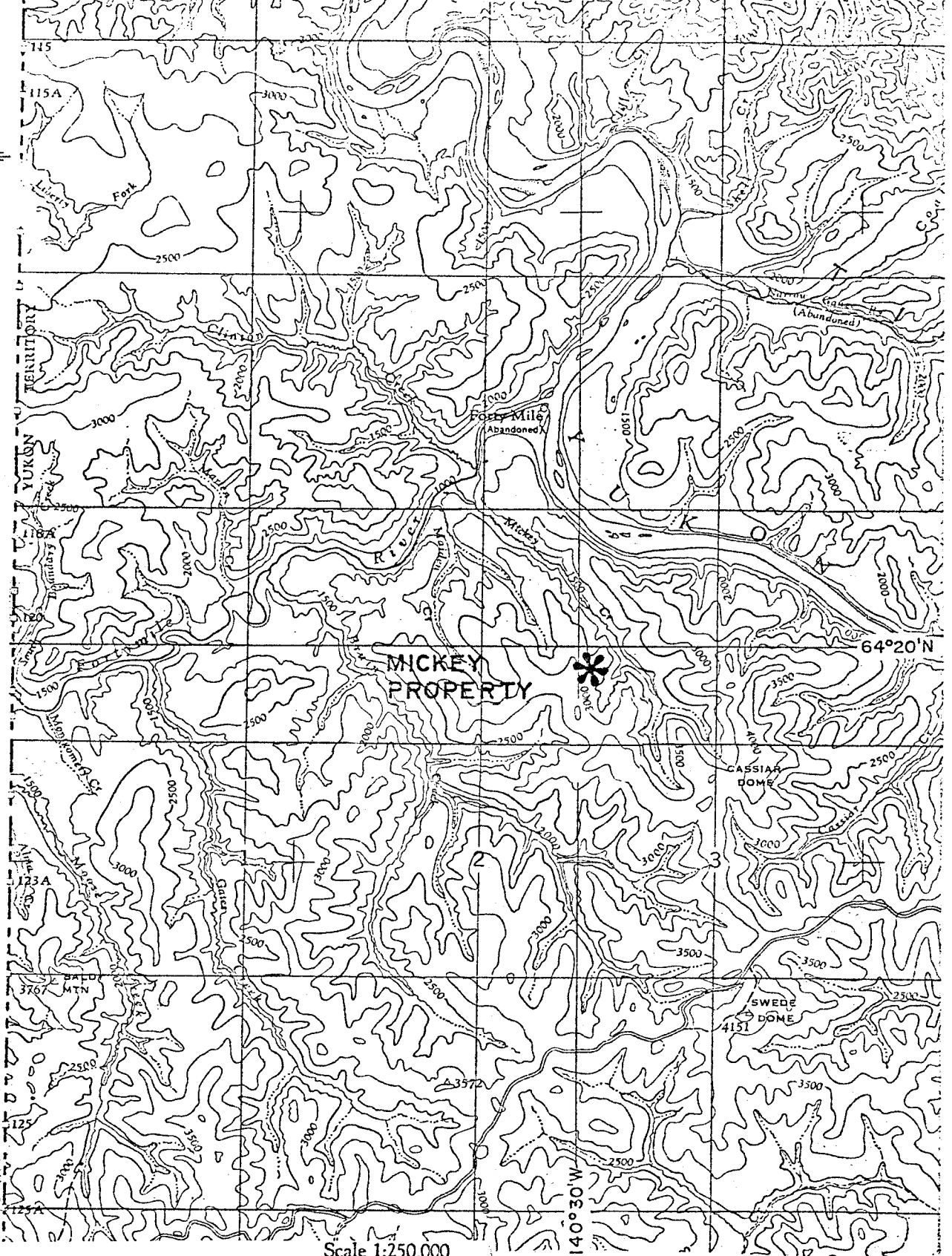
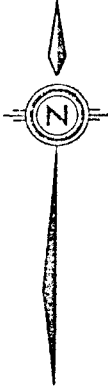
I, E.G. Olfert, of the City of Vancouver, in the Province of British Columbia, geologist, make oath and say:

1. THAT I am employed as a geologist by Cominco Ltd. and, as such have a personal knowledge of the facts to which I hereinafter depose;
2. THAT annexed hereto and marked as "Exhibit A" to this my affidavit is a true copy of expenditures on a geochemical and geological survey carried out on mineral claims Mickey 1-15;
3. THAT the said expenditures were incurred between the 12th day of June 1979 and the 25th day of June 1979 for the purpose of mineral exploration on the above noted claim group.

Sworn Before Me at the City)
of Vancouver in the Province)
of British Columbia this)
25th day of September 1979)

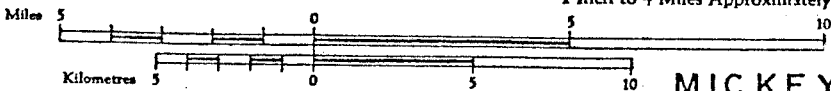
Clara A. Fife)
A Notary Public In and For the)
Province of British Columbia)

E. G. Olfert
E.G. Olfert
Geologist



Scale 1:250,000

1 Inch to 4 Miles Approximately



MICKEY PROPERTY

NTS
116 C 8

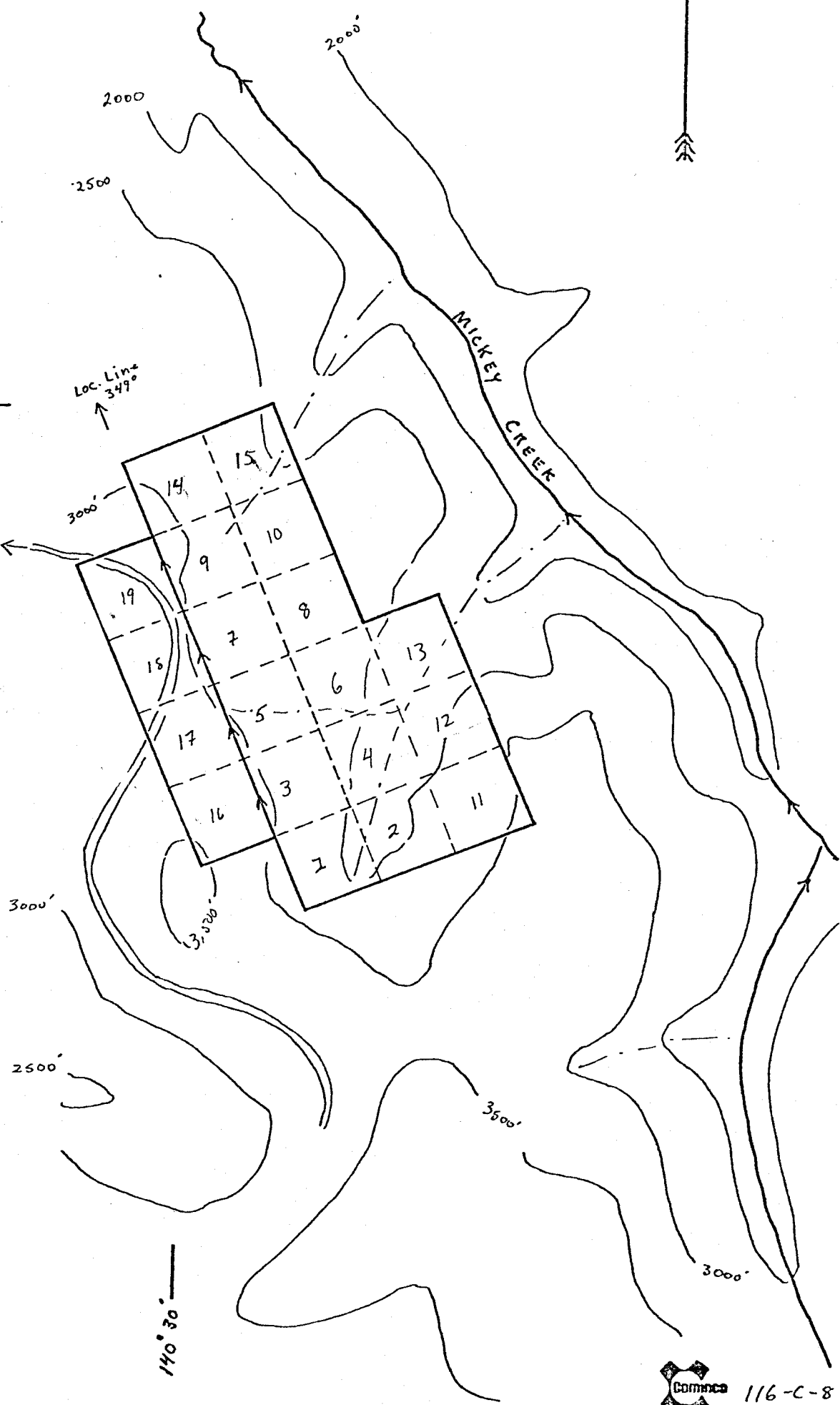
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Revised By	Date	Revised by	Date

LOCATION MAP DAWSON M.D., YUKON

Scale: 1:250,000

Date: SEPT 1979

Plate:

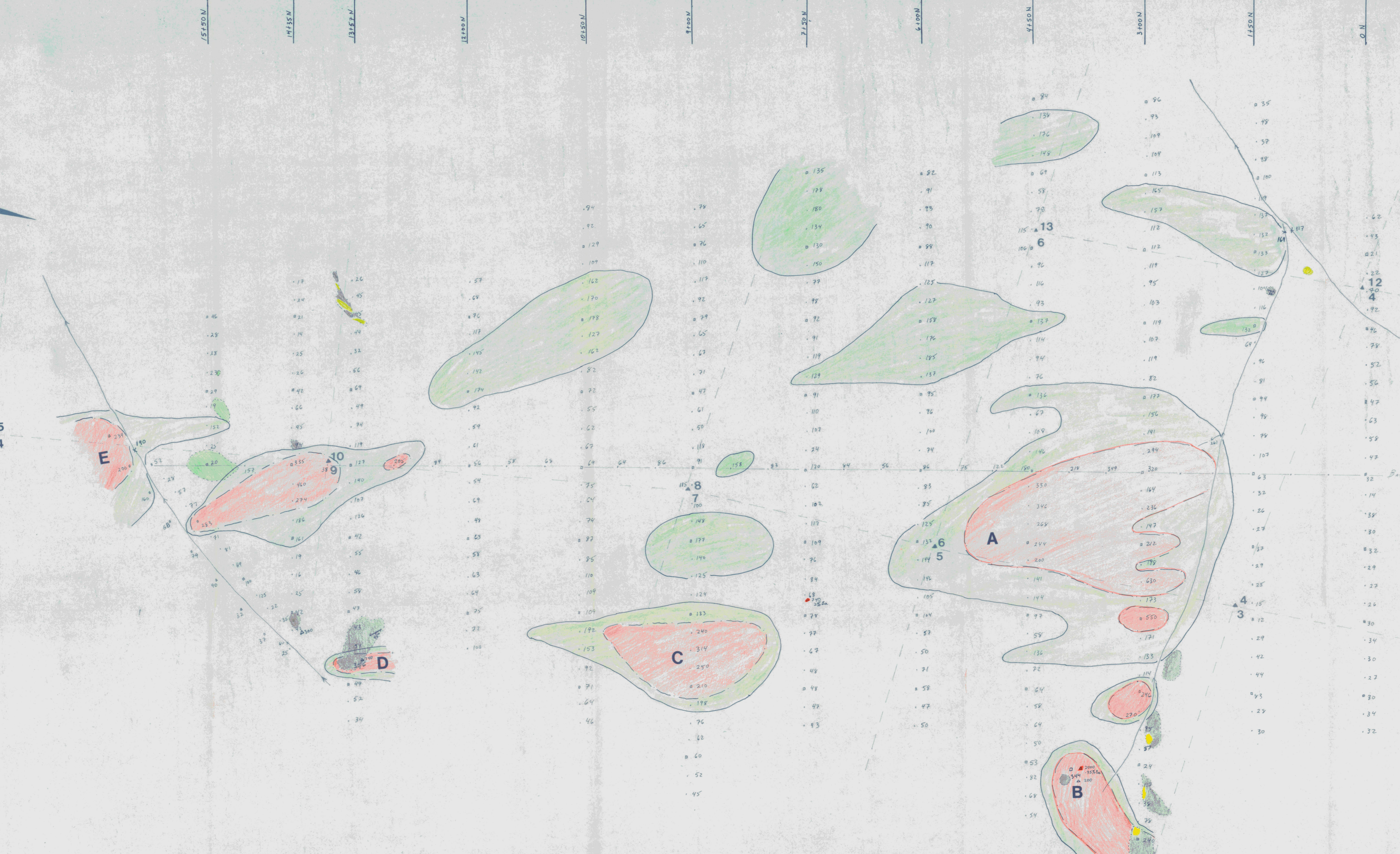
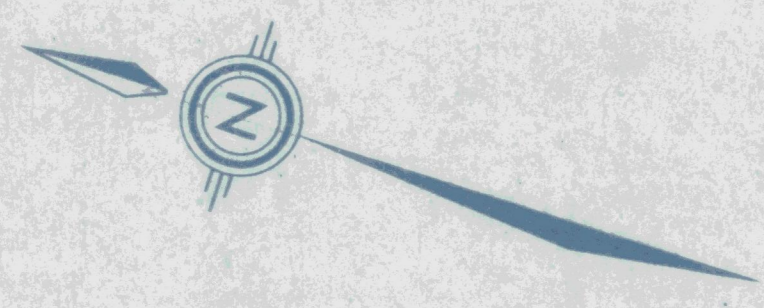


Cominco 116-C-8

Drawn by:		Traced by:	
Revised by	Date	Revised by	Date

MICKEY CLAIMS

Scale: 1" = 1/2 mi Date: SEPT - 1979 Plate:

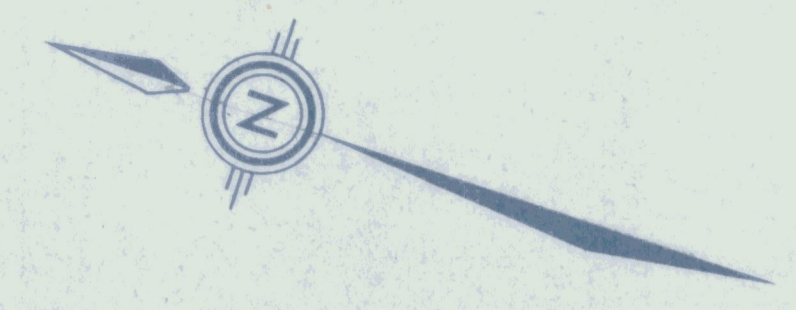


- GEOLOGY**
- Quartz - Muscovite - chlorite schist
 - Grey/white Quartzites
 - SERPENTINITE
 - outcrop or Talus float
 - Schistosity.

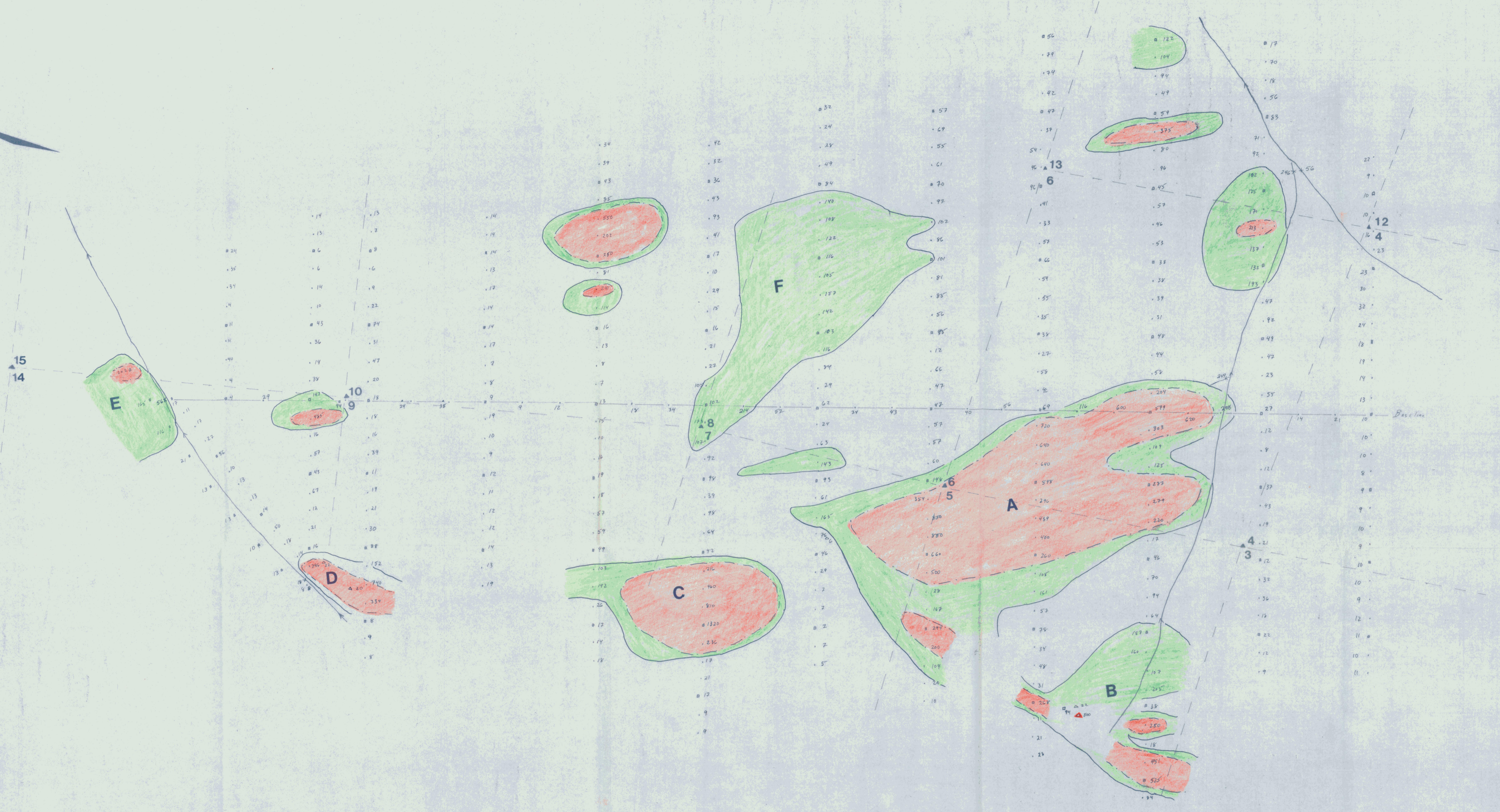
- LEGEND**
- > 200 ppm Zn
 - > 125 ppm Zn
 - Soil Sample Location
 - Rock Sample Location
 - CLAIM-LINE and NUMBER
 - Soil Sample Loc.

N.T.S. 116-C-8

MICKEY CLAIMS		
Drawn by:	Traced by:	ZN GEOCHEMISTRY
Revised by: Date	Revised by: Date	
		Scale: 1:2500
		Date: SEPT. 79
		Plate:



121800 N
121600 N
121400 N
121200 N
121000 N
120800 N
120600 N
120400 N
120200 N
120000 N
119800 N
119600 N
119400 N
119200 N
119000 N



4E
3E
2E
1E
Baseline
1W
2W
3W
4W

LEGEND

- > 7200 p.p.m. Pb.
- > 100 p.p.m. Pb.
- o • Soil Sample Location
- △ Rock Sample Location
- ▲ CLAIM-LINE and NUMBER
- x Soil Sample Loc.

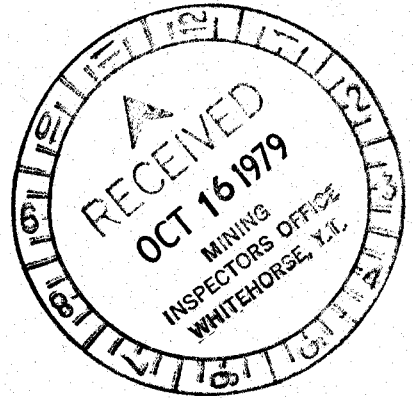
N.T.S. 111-C-8

MICKEY CLAIMS		
Drawn by:	Traced by:	
Revised by:	Revised by:	
Pb GEOCHEMISTRY		
Scale: 1:2500	Date: SEPT. 79	Plate:

COMINCO LTD.

EXPLORATION
NTS: 116C/8

WESTERN DISTRICT
25 SEPTEMBER 1979



TRENCHING REPORT ON THE
MICKEY 5, 7, 8, 16-19 CLAIMS SITUATED AT
140°28'W LONGITUDE; 64°19'N LATITUDE
DAWSON M.D., YUKON TERRITORY



090505

SEPTEMBER 1979

E.G. OLFERT

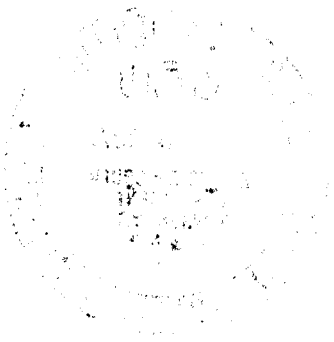
This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of

\$ 9,500 INCLUDES:
GEOCHEMICAL REPORT
GEOCHEMICAL REPORT

Resident Geologist or
Resident Mining Engineer

Considered as representation work under
Section 53 (4) Yukon Quartz Mining Act.

B. R. BAXTER
Supervising Mining Recorder
Commissioner of Yukon Territory



COMINCO LTD.

EXPLORATION
NTS: 116C/8

WESTERN DISTRICT
25 SEPTEMBER 1979


TRENCHING REPORT ON THE
MICKEY 5, 7, 8, 16-19 CLAIMS SITUATED AT
140°28'W LONGITUDE; 64°19'N LATITUDE
DAWSON M.D., YUKON TERRITORY

Located claims on which assessment credit is requested:

<u>CLAIM</u>	<u>RECORD NO.</u>	<u>DATE RECORDED</u>	<u>ASSESSMENT CREDIT</u>	<u>AMOUNT</u>
Mickey #16	YA32787	July 9/79	5	\$ 500
#17	YA32788	July 9/79	5	500
#18	YA32789	July 9/79	5	500
#19	YA32790	July 9/79	<u>5</u>	<u>500</u>
			20	\$2,000

Work was done on claims 5, 7, 8. Notice to group includes claims 5, 7, 8, 16-19.

Report by:


E.G. Olfert
B.Sc. Honours

under the supervision of Roy Y. Watanabe, Senior Geologist.

2.

Mineralization was found to be leached and restricted to a few narrow bands, several inches thick.

Trench B

B₁ - 2490 ppm Pb, 285 ppm Zn, .95% Ba
B₂ - 900 ppm Pb, 43 ppm Zn, 1.14% Ba
B₃ - 8440 ppm Pb, 1050 ppm Zn, .13% Ba
B₄ - 86 ppm Pb, 190 ppm Zn, .15% Ba

Mineralization is in the form of rust in vuggy light quartzite float.

Trench C

C₁ - 90 ppm Pb, 1600 ppm Zn, .08% Ba
C₂ - 1785 ppm Pb, 155 ppm Zn, 1.43% Ba
C₃ - 22 ppm Pb, 856 ppm Zn, .14% Ba
C₄ - 1300 ppm Pb, 41 ppm Zn, .14% Ba
C₅ - 1705 ppm Pb, 410 ppm Zn, .37% Ba
C₆ - 909 ppm Pb, 200 ppm Zn, .34% Ba

All of the above samples are leached, light rusty quartzites, micaceous schists or grey vuggy quartzite. A few grains of sphalerite were found at the bottom end of this trench.

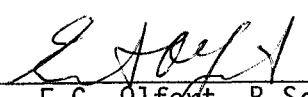
Trench D

No significant leached or gossan mineralization was found in this trench.

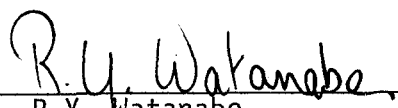
CONCLUSION

The cat trenching was successful in locating the source of the Pb/Zn geochem anomaly. The gossan mineralized float in the various trenches is too weathered to determine the actual sulphide grades.

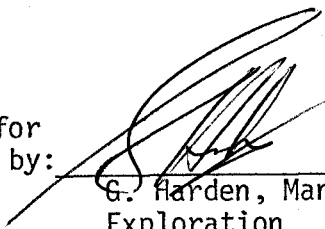
Report by:


E.G. Olfert, B.Sc. Hon.
Geologist

Endorsed by:


R.Y. Watanabe
Senior Geologist

Approved for
Release by:


G. Harden, Manager
Exploration
Western District

EGO/gk

Attachments:

1. Location Map 1:250,000
2. Mickey Claims 1"=1/2 mile
3. Trench Locations 1:2,500

COMINCO LTD.

EXPLORATION
NTS: 116C/8

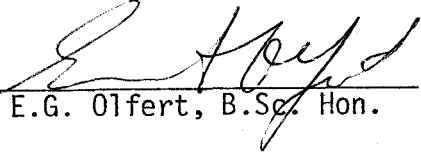
WESTERN DISTRICT
25 SEPTEMBER 1979

EXHIBIT "A"

TRENCHING REPORT ON THE
MICKEY 5, 7, 8, 16-19 CLAIMS SITUATED AT
140°28'W LONGITUDE; 64°19'N LATITUDE
DAWSON M.D., YUKON TERRITORY

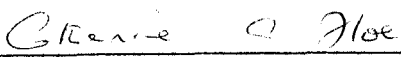
Direct costs D-8 at \$80/hour	\$5,400
Moving costs	<u>200</u>
<u>TOTAL:</u>	<u>\$5,600</u>

Signed: _____


E.G. Olfert, B.Sc. Hon.

This is Exhibit "A" to the affidavit relating to the trenching program
declared before me the ^{25th} day of September 1979.

Signed: _____


A Notary Public in and for
the Province of British Columbia

STATEMENT OF QUALIFICATIONS

I, Ernest Olfert, with business address at 409 Granville Street, 7th Floor, Vancouver, British Columbia, do hereby certify that I have supervised the field work and have assessed and interpreted the data resulting from this trenching program.

I also certify that:


1. I am a graduate of the University of Calgary, Alberta, B.Sc. Honours Geology;
2. I have engaged in mineral exploration since graduation.

Respectfully Submitted:



E.G. Olfert, B.Sc. Honours

Ernest Olfert was responsible for supervising the trenching program described herein. Mr. Olfert received his B.Sc. degree in Honours Geology from the University of Calgary in 1970. He has worked for Cominco for nine summer field seasons and has been a permanent employee since December 1, 1971. I consider him a competent geologist.

Signed: 

G. Harden, Manager
Exploration
Western District

COMINCO LTD.

EXPLORATION
NTS: 116C/8

WESTERN DISTRICT
25 SEPTEMBER 1979

TRENCHING REPORT ON THE
MICKEY 5, 7, 8, 16-19 CLAIMS SITUATED AT
140°28'W LONGITUDE; 64°19'N LATITUDE
DAWSON M.D., YUKON TERRITORY

INTRODUCTION

The cat trenching was done to test a bush-covered area containing anomalous Pb/Zn soil geochemistry for potential Pb/Zn sulphides.

This report is based on cat work done on claims 5, 7, 8 during the period of July 14-23 1979. Cat work was done by D. Gillespie with a D-8 blade and ripper from Dawson City.

LOCATION AND ACCESS

The claims are located 36 miles northwest of Dawson City, Yukon Territory near the head of Mickey Creek. The claims lie within the Dawson Mining Division and are located at 140°28'W longitude and 64°19'N latitude, NTS: 116C/8. The claims are accessible by vehicle and are situated along the road to Clinton Creek.

SUMMARY

Four trenches were dug on an east, southeast dipping slope where soil geochemistry results were anomalous in Pb and Zn. Most of the trenches are underlain by grey micaceous quartzites with some occurrences of rusty leached gossan float. A few grains of sphalerite were found in light grey quartzite float near the bottom of trench C.

TRENCHING

<u>Trench A</u>	<u>Length</u>	<u>Width</u>	<u>Depth</u>	
≈	100 m	x 5 m	x 1.75 m	x ½ = 437 m ³ x 1.3 = 568 yds.
<u>Trench B</u>				
≈	350 m	x 5 m	x 1.75 m	x ½ = 1531 m ³ x 1.3 = 1990 yds.
<u>Trench C</u>				
≈	485 m	x 4 m	x 1 m	x ½ = 970 m ³ x 1.3 = 1261 yds.
<u>Trench D</u>				
≈	200 m	x 4 m	x 1 m	x ½ = 400 m ³ x 1.3 = 520 yds.
<u>Total:</u>	Cubic metres = <u>3,338</u>			All trenches were in permafrost except the south end of Trench B.
	Cubic yards = <u>4,339</u>			

MINERALIZATION

A number of rusty leached samples were submitted for rock geochemistry from each trench except Trench D.

Trench A

A₁ - 46 ppm Pb, 210 ppm Zn, .27% Ba
A₂ - 920 ppm Pb, 25 ppm Zn, 1.53% Ba
A₃ - 270 ppm Pb, 480 ppm Zn, .13% Ba

COMINCO LTD.

EXPLORATION
NTS: 116C/8

WESTERN DISTRICT
25 SEPTEMBER 1979

IN THE MATTER OF THE
YUKON QUARTZ MINING ACT AND
IN THE MATTER OF A TRENCHING SURVEY
CARRIED OUT ON MINERAL CLAIMS MICKEY 5, 7, 8
LOCATED IN THE DAWSON M.D., YUKON TERRITORY
MORE PARTICULARLY, NTS: 116/C-8

A F F I D A V I T

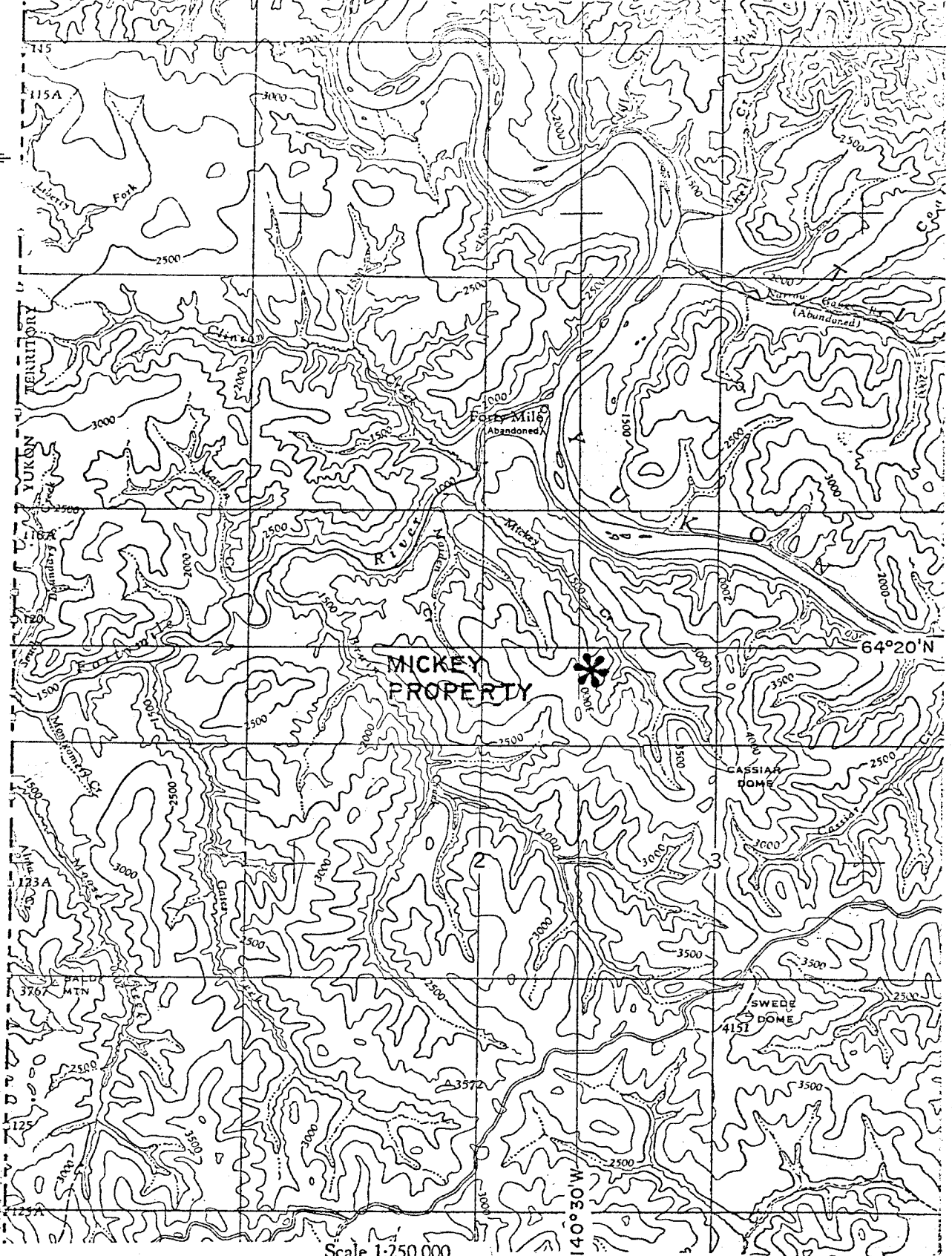
I, E.G. Olfert, of the City of Vancouver, in the Province of British Columbia, geologist, make oath and say:

1. THAT I am employed as a geologist by Cominco Ltd. and, as such, have a personal knowledge of the facts to which I hereinafter depose;
2. THAT annexed hereto and marked as "Exhibit A" to this my affidavit is a true copy of expenditures on a trenching program carried out on mineral claims Mickey 5, 7, 8;
3. THAT the said expenditures were incurred between the 14th day of July 1979 and the 23rd day of July 1979 for the purpose of mineral exploration on the above noted claim group.

Sworn Before Me at the City)
of Vancouver in the Province)
of British Columbia this)
25th day of September 1979)

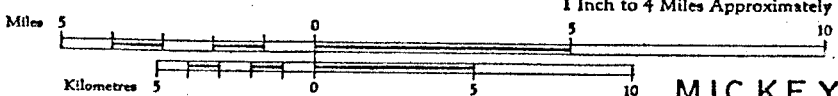
Charles A. Hoe)
A Notary Public In and For the)
Province of British Columbia)

E. G. Olfert
E.G. Olfert
Geologist



Scale 1:250,000

1 Inch to 4 Miles Approximately



MICKEY PROPERTY

NTS
DOMINION 116 C 8

Drawn by:		Traced by:	
Revised By	Date	Revised by	Date

Leg

LOCATION MAP DAWSON M.D., YUKON

Scale: 1:250,000

Date: SEPT 1979

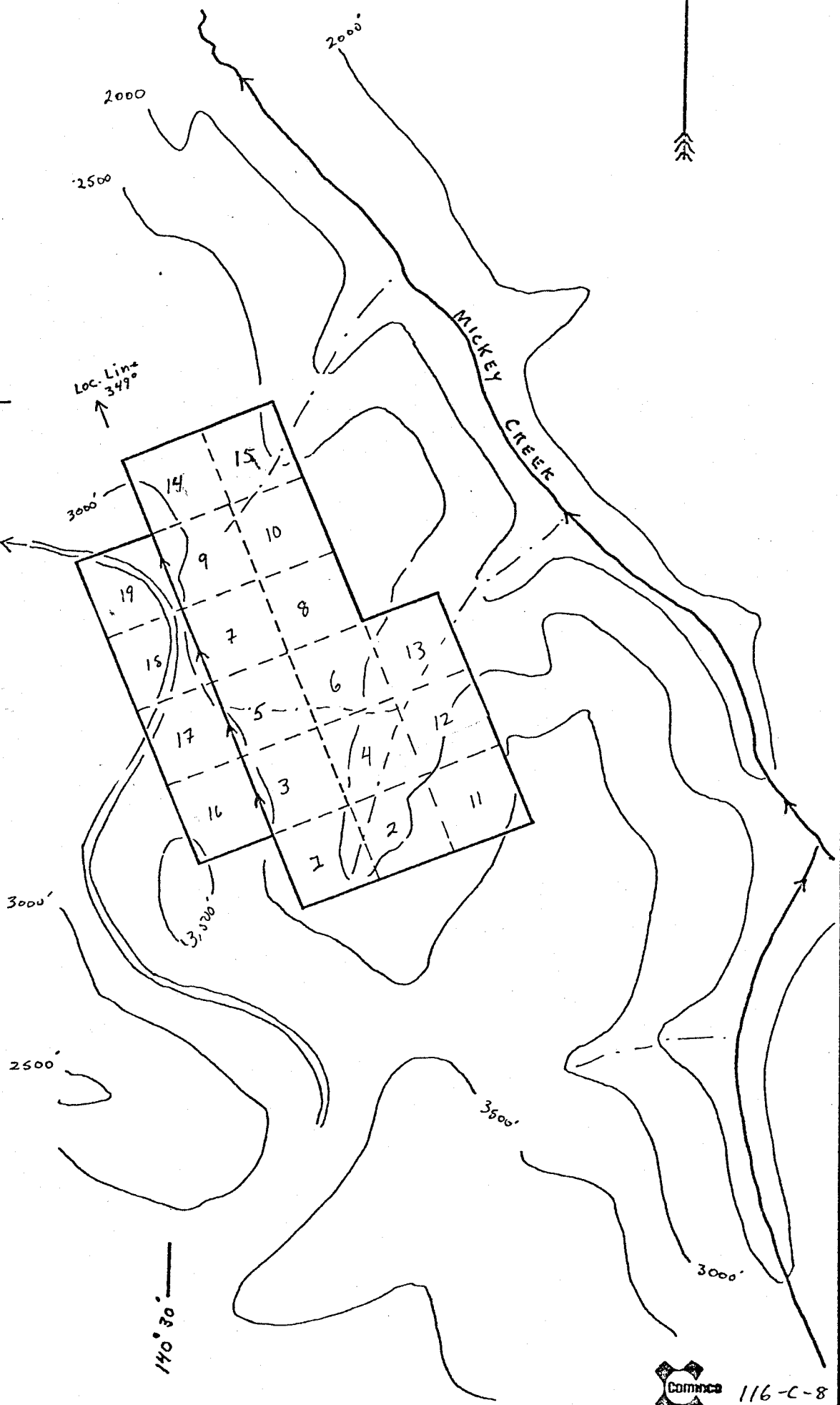
Plate:



64° 20'

Loc. Line
349°

Road To
Clinton



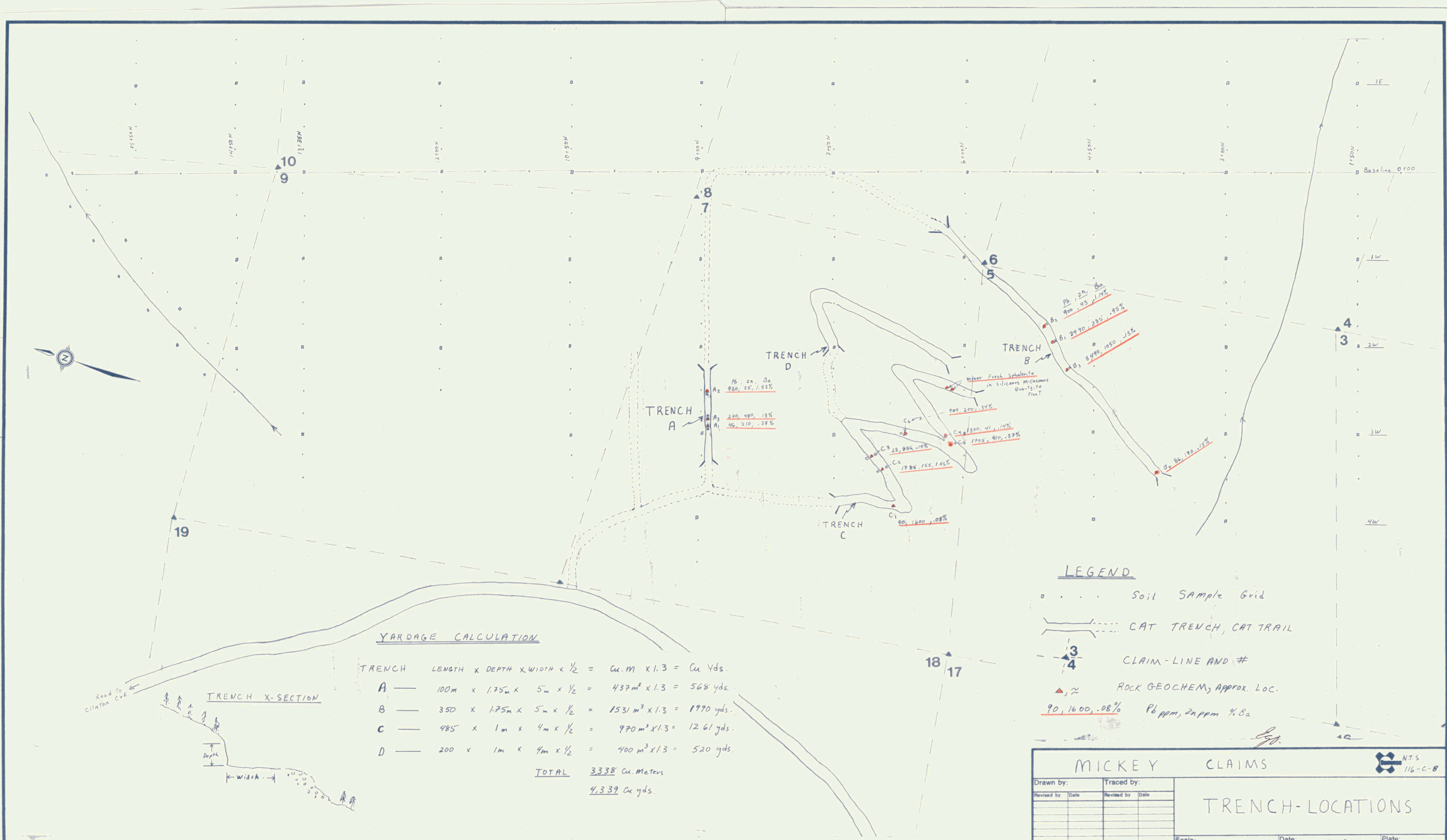
Cominco 116-C-8

Drawn by:		Traced by:	
Revised by	Date	Revised by	Date

egp

MICKEY CLAIMS

Scale: 1" = 1/2 mi Date: SEPT - 1979 Plate:



TRENCH A
 A₂ Pb, Zn, Ba
 920, 25, 1.93%
 A₃ 220, 480, 13%
 A₁ 46, 210, .27%

TRENCH D
 D₁ 90, 1600, .08%

TRENCH C
 C₁ 1785, 155, 1.4%
 C₂ 22, 854, .14%
 C₃ 1705, 410, .37%
 C₄ 1300, 41, .14%
 C₅ 909, 200, .34%

TRENCH B
 B₁ 2490, 285, .95%
 B₂ 900, 45, 1.14%
 B₃ 8490, 1050, 1.3%
 B₄ 36, 190, .13%

Minor Fresh Sphalerite
 in siliceous micaceous
 Quartzite
 Float.

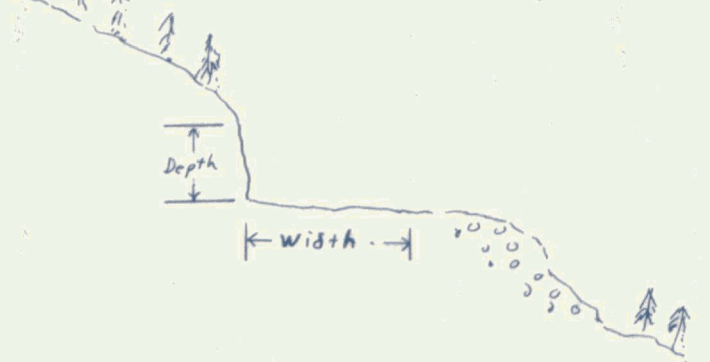
LEGEND

- Soil Sample Grid
- — — — — CAT TRENCH, CAT TRAIL
- ▲ 3
▲ 4 CLAIM-LINE AND #
- ▲, ≈ ROCK GEOCHEM, APPROX. LOC.
 90, 1600, .08% Pb ppm, Zn ppm, %Ba

YARDAGE CALCULATION

TRENCH	LENGTH	DEPTH	WIDTH	1/2	=	Cu. M	x 1.3	=	Cu Yds.
A	100m	1.75m	5m	1/2	=	437m ³	x 1.3	=	568 yds.
B	350	1.75m	5m	1/2	=	1531m ³	x 1.3	=	1990 yds.
C	485	1m	4m	1/2	=	970m ³	x 1.3	=	1261 yds.
D	200	1m	4m	1/2	=	400m ³	x 1.3	=	520 yds.
TOTAL						3338			4,339

TRENCH X-SECTION



MICKEY CLAIMS		N.T.S 116-C-8
Drawn by:	Traced by:	TRENCH-LOCATIONS
Revised by: Date:	Revised by: Date:	
Scale: 1:2,500		Date: SEPT. '79
		Plate: