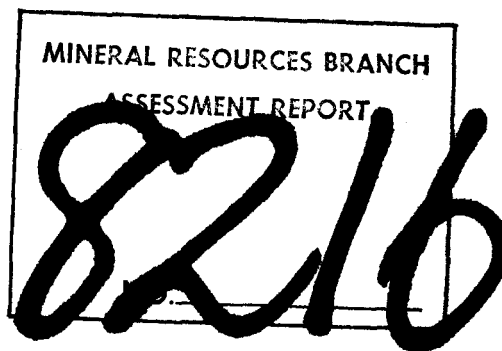


180-#400-#8216

AIRBORNE HELICOPTER MAGNETOMETER-  
SPECTROMETER SURVEY ON THE BLUE RIVER  
CARBONATITE PROJECT, BRITISH COLUMBIA  
CANADA

November 28, 1979



Anschutz Mining Corp.  
555 17th Street, Suite 2400  
Denver, Colorado 80202  
May 30, 1980

C E R T I F I C A T E

I, Thomas A. Ahroon, of the City of Denver, located in the State of Colorado of the United States of America, certify as follows:

1. That I am a geologist residing at 6007 So. Kenton Street, Denver, Colorado 80111.
2. That I graduated with a Bachelor of Science Degree in Geology from Southern Colorado State University in 1973.
3. That I have practiced my profession in mining and minerals exploration in the United States and Canada continuously for the past seven (7) years.

Dated in Denver, Colorado, U.S.A. this 14th day of July, 1980.



Thomas A. Ahroon  
Project Geologist

AIRBORNE HELICOPTER MAGNETOMETER-  
SPECTROMETER SURVEY ON THE BLUE RIVER  
CARBONATITE PROJECT, BRITISH COLUMBIA  
CANADA

November 28, 1980

Claims involved: AR1, AR2, AR3, AR4, and BE3

Mining Division: Kamloops

N.T.S. Location: 83D/6E, Blue River Survey

83D/7W, Howard Creek Survey

Long.  $119^{\circ}5'$  to  $119^{\circ}10'$  Lat.  $52^{\circ}15'$  to  $52^{\circ}25'$  Blue River Survey

Long.  $118^{\circ}40'$  to  $118^{\circ}50'$  Lat.  $52^{\circ}20'$  to  $52^{\circ}22'$  Howard Creek Survey

Claim Owners - Mr. John Kruszewski

Operator - Anschutz Mining Corporation of Canada

By: T. Andrew Ahroon  
Project Geologist  
Anschutz Mining Corporation  
555 17th Street, Suite 2400  
Denver, Colorado 80202

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MAP INDEX

- PLATE A - Property Index Map 1:20,000 scale
- PLATE B - Flight Line Map for North Thompson River Area  
(Blue River Area), British Columbia 1:20,000 scale
- PLATE C - Total Field Magnetic Contour Map, North Thompson  
River Area (Blue River Area) British Columbia  
1:20,000 scale.
- PLATE D - Total Count Radiometric Contour Map, North Thompson  
River Area (Blue River Area) British Columbia 1:20,000  
scale.
- PLATE E - Flight Line Map of the Howard Creek Area, British  
Columbian, 1:20,000 scale.
- PLATE F - Total Field Magnetic Contour Map, Howard Creek Area  
1:20,000 scale.

INTRODUCTION

Anschutz Mining Corporation, a wholly owned subsidiary of the Anschutz Corporation, acquired seven (7) claims, consisting of 71 units, from Mr. John Kruszewski in February 1980. These claims are located approximately twenty-six (26) miles north from the town of Blue River on the east side of the North Thompson River (note claim map, Plate A).

The geology of the claim area consists of quartzites, schists and gneiss rocks of Proterozoic age which have been intruded in part by pegmatitic dikes and carbonatite dikes. It is the minerals tantalum and niobium within these carbonatites which Anschutz plans to explore for and hopefully develop, if the economics warrant.

Since acquiring Mr. Kruszewski's claims in February, Anschutz Mining has initiated an aggressive exploration program in the area. An airborne geophysical program consisting of a spectrometer and magnetometer survey was conducted in November, 1979. Anschutz has also contracted out another larger (775 line mile) airborne program to begin June 1, 1980. Two trips have been made to the property by Anschutz' geologists. Mr. Tony Mariano, a carbonatite expert from Boston, Mass., accompanied the geologists in the first field trip. Samples were taken from the few know carbonatite outcrops and the assay results were encouraging.

The 1980 exploration program is planned to begin in the first part of June. This program will consist of geologic mapping, ground and airborne geophysics, extensive sampling, diamond drilling, and possibly more follow-up claim staking.

### HISTORY

The Blue River property was originally staked in 1950 for vermiculite by Mr. O. E. French, a homesteader in the area. Later investigations by Mr. French resulted in the discovery of the pyrochlore-bearing carbonatites. In 1952, St. Eugene Mining Corporation, Ltd. optioned the property, and additional claims were staked. Most of the exploration work consisting of trenching, sampling, and blasting was confined to the Verity and Mill claims. The property was dropped by St. Eugene and remained idle until June of 1976 when Mr. Kruszewski restaked the area. In June, 1978, another trenching and sampling program was conducted under the supervision of Mr. E. Myers, Calgary, Alberta, with Mr. Kruszewski's assistance. A total of 840 cubic meters of stripping was undertaken with a D-8 cat, and two grab samples were taken. In 1979, Mr. Kruszewski was approached by Anschutz Mining and an option contract was signed in February, 1980.

### LOCATION AND ACCESSIBILITY

The Blue River carbonatite property is located 26 miles south of Blue River and 30 miles south of Valemont, British Columbia.

The property can be reached by dirt road by turning off Highway 5 at the Lempriere Railroad Station which is about 26 miles north of Blue River, and following a dirt logging road and power lines south for about 10 kilometers. A cleared power line right-of-way 250 feet in width bisects the west portion of the property. With the exception of these few dirt roads at lower elevations, the property is accessible only by foot.

### TOPOGRAPHY AND CLIMATE

Relief within the Blue River claim area ranges from 3,000 to 7,500 feet. The slopes are extremely steep, and undergrowth consisting of buckbrush, devilsclub and huckleberry, is thick. Heavy stands of hemlock, cedar, fir, and white pine cover the slopes. The timber line is 6,500 feet in elevation. Precipitation averages 50 inches a year and snowfall is generally heavy.

### REGIONAL GEOLOGY

The rocks in the Blue River prospect area are mapped as the Kasa Group belonging to the Windemere Period of Late Proterozoic Age (GSC Map 15, 1967). The Kasa Group (Caribou and Monashee) consists of gritty feldspathic quartzite, phyllite, quartz-mica schist, garnet staurolite, and kyanite-quartz-mica schist, biotite and/or hornblendic quartzofeldspathic gneiss. The known carbonatite rocks in the claim area are in general conformable with the gneissosity (forming sills). Presently there are four areas or zones of carbonatite known in the Blue River area. These are the Fir, Verity, Paradise, and Mill. There is good evidence to show a connection between the Verity and the Paradise zones and many common characteristics exist between all four zones.

### POTENTIAL ECONOMICS

Insignificant quantities of tantalum minerals have been mined in the United States since 1959. U.S. deposits, which occur mainly in Idaho, are low grade and cannot be mined economically at present prices. Approximately 60 percent of the 2.3 million pounds of tantalum consumed in 1964 was used to produce electronic components, mainly capacitors.

Tantalum's high melting point, good strength at elevated temperatures and good corrosion resistance produce refractory superalloys with cobalt, iron and nickel which are employed in aerospace structures, jet engines, and gas turbine parts.

Niobium (columbium) is utilized chiefly in the form of ferrocolumbium as an alloying element in carbon and alloy steel, stainless steel, and superalloys. In recent years, niobium has been used in the construction of large buildings, pipelines, and machinery and structures where savings in weight and increased durability and strength are important factors.

The previous sampling by St. Eugene Mining Company of the Verity No. 1 zone indicate an average grade of about .10  $Nb_2O_5$  and 5% apatite with possible by-products such as zircon, rare earth oxides, magnetite and agricultural lime.

Mr. Tony Mariano, who is considered to be one of the world's foremost leading authorities on carbonatites, has been retained by Anschutz Mining to help evaluate the Blue River project on a consulting status. On the Verity claims, Mr. Mariano found the average pyrochlore content was 1.5 wt. %. The pyrochlore is the mineral within the carbonatite intrusive in which most of the economic minerals are contained. Based on quantitative electron microprobe analysis of the pyrochlore, average analyses for the following oxides were obtained:  $Nb_2O_5 = 60.61$  wt.% and  $Ta_2O_5 = 6.01$  wt. %. This would yield ore grade pyrochlore with tantalum and apatite by-products. Recovery of the pyrochlore should be almost 100%  $Ta_2O_5$ . According to Mr. Mariano, this is the highest value ever recorded for Ta in carbonatite pyrochlores.

At this stage of exploration one can only speculate about the mining economics. However, it is important to note that electric power is readily available and the



Canadian railroad parallels the North Thompson river on the west side of the claims. Also, the possibility for an open pit mine operation appears favorable.

#### GEOPHYSICAL

In November, 1979, Apex Airborne Surveys Ltd. was contracted by Anschutz Mining to conduct an helicopter survey of the Blue River carbonatite property consisting of the AR1, 2, 3, and 4 claims, the BE1, BE2, BE3, and the Verity claim. The flying was conducted in two locations, named the Blue River area and the Howard Creek area. Two hundred (200) line miles were flown in the Blue River area and about one hundred (100) line miles were flown on the Howard Creek grid.

The survey consisted of a magnetometer and spectrometer survey conducted from a Jet Ranger helicopter. The data was recorded on analog paper and the flight lines corrected to topography using a 35 mm flight path camera. Once the data was collected, the magnetometer portion was processed by Apex who furnished a contour map of the magnetics in both areas. (See 1:20,000 scale map attached, Plate B). The radiometric data was processed by Kenting Corporation who found that only the total count data was of value because of the small size of the crystal used (See 1:20,000 scale map, Plate C).

SPECIFICS OF 1979 AIRBORNE SURVEY

1. Scope of Survey- The survey was comprised of 300 linear miles in two areas:
  - A. Howard Creek area, approximately 100 linear miles
  - B. Blue River area, 200 linear miles
2. Survey equipment
  - A. An URTEC temperature stabilized 4 channel spectrometer, including interface to U.D.A.S. - URTEC digital acquisition system.
  - B. A Geometrics G-803 one gamma nuclear precession magnetometer.
  - C. A U.D.A.S. digital acquisition system.
  - D. A U.D.A.S. digital chart recorder
  - E. A Hoffman radar altimeter
  - F. A Geocam 35 mm tracking camera
  - G. A Jet Ranger helicopter which carried the above equipment
3. Survey Personnel- A geophysicist and helicopter were used to perform the survey.
4. Data Recorded - The following data was recorded:
  - A. Four channels of radiometric data being Total Count, Uranium, Thorium and Potassium channels.
  - B. Two traces of magnetic information, at scales of 100 gammas full scale and 5,000 gammas full scale.
  - C. One trace of helicopter terrain clearance at a linear scale of 200 feet per inch.
  - D. Fiducial marks appearing on the records every two seconds synchronized to numbered pictures taken by the flight path camera.
5. Survey Specifications
  - A. Line Spacing - the mean line spacing was 1/4 mile.
  - B. Line Length - the minimum line length was 3 miles.
  - C. Altitude - The altitude of the electromagnetic "bird" was normally 200 feet above the ground

- -

surface and did not exceed 450 feet above the ground over a distance of one mile. Some exceptions were made due to topography.

- D. Tie Lines - There was at least one magnetic tie line over each of the survey blocks.
- E. Aerial Photography and Topographic Maps - An aerial photograph mosaic at a scale of 1:20,000 was made available to APEX by Anschutz as a base map.

## 6. Calibration

- A. Spectrometer - The spectrometer was calibrated before and after each flight, including calibration with a U/Th source. The calibration was recorded both on the analog chart and magnetic tape unit. Background radioactive levels were established by flying out of ground effect.

## 7. Compilation and Data Presentation - The photo mosaic supplied by Anschutz, and enlarged topographic map were used as a plotting base for the geophysical maps.

- A. Contour Maps - the following contour maps were supplied by Apex:
  - 1. Total field mag netometer-contour interval 10 gammas for both Howard Creek and Blue River. A Total count radiometric contour map of the Blue River area only was furnished by Kenting.
  - 2. Analog Data was supplied directly from the digital printer:
    - a. Spectrometer - The profiles of the 4 spectrometer channels, T.C., U,K,Th were displayed along with profiles of the ratios U/Th and U/K. The data was corrected for compton scattering.
    - b. Magnetometer - One trace of magnetic data was displayed at a full scale of 200 gammas.
    - c. Altimeter - The altimeter trace was displayed at approximately 1 inch = 400 feet.
    - d. Magnetic Tape (9 Track CCT) - A copy of the original field data was supplied for the future processing or recall purposes.

8. Survey Logistics and Timing - The flying crew consisting of the operator geophysicist and pilot were based in Valemount at the Yellowhead Motel.
9. Charges - APEX charges for carrying out this survey were as follows:
  - A. APEX mobilization and demobilization at a fixed sum of - NIL.
  - B. Approximately 300 linear miles were flown at the rate of \$120 per linear mile for a total of approximately \$36,000.00.
  - C. Helicopter charges - NIL.
  - D. Copies of payment attached.

SPECTROMETER REDUCTION

As pre and post flight background test were incomplete we used a statistical approach to determine backgrounds for each line. The following are the backgrounds used:

<u>Line</u>	<u>Total Count</u>	<u>Potassium</u>	<u>Uranium</u>	<u>Thorium</u>
1	160.0	15.0	12.0	8.0
2	190.0	20.0	12.0	8.0
3	200.0	20.0	13.0	8.0
4	250.0	20.0	12.0	9.0
5	160.0	20.0	12.0	6.0
6	180.0	25.0	12.0	7.0
7	160.0	25.0	12.0	8.0
8	250.0	30.0	12.0	8.0
9	220.0	15.0	0.0	18.0
10	340.0	15.0	0.0	0.0
11	300.0	0.0	8.0	0.0
12	280.0	0.0	0.0	5.0
13	130.0	0.0	0.0	5.0
14	130.0	0.0	0.0	5.0
15	100.0	0.0	0.0	5.0
16	100.0	0.0	0.0	5.0
17	90.0	0.0	0.0	5.0
18	80.0	0.0	0.0	5.0

All count rates were normalized to an altitude of 200 feet using the following formula:

$$N = N_0 e^{-\bar{\mu}H}$$

Where  $N$  is the observed count rate  
 $N_0$  is the normalized count rate at 200 feet  
 $\bar{\mu}$  is the attenuation coefficient (G.S.C. values used)  
 $H$  is the elevation difference from 200 feet

The attenuation coefficients ( $\bar{\mu}$ ) used are listed as below:

*K. S. S. S. S. S.*

TOTAL COUNT	-	$2.0 \times 10^{-3}$
POTASSIUM	-	$2.3 \times 10^{-3}$
URANIUM	-	$1.7 \times 10^{-3}$
THORIUM	-	$1.7 \times 10^{-3}$

The Compton scattering coefficients were estimated from other instrument calibrations utilising the same crystals on special pads set up for this purpose by the Geological Survey of Canada at the Ottawa International Airport. The following values were used:

$$\begin{aligned}\alpha &= .51 \\ \beta &= .55 \\ \gamma &= .83\end{aligned}$$

TABLE OF EXPENDITURES

Apex Airborne Suveys, Ltd.	\$36,000.00
Kenting Corp.	\$ 2,265.00
Mr. Tony Mariano	\$ 3,064.61
	<u>\$ 2,658.75</u>
TOTAL	\$43,988.36



**AIRBORNE SURVEYS LTD.**

420 - 890 W. Pender Street  
Vancouver, B.C. V6C 1J9  
Canada  
PHONE: (604) 683-3934

Mr. L. Reimer  
Anschutz Mining Corporation  
2400 Anaconda Tower  
444 - 17th Street  
DENVER, Colorado  
U.S.A. 80202

January 8, 1980

Dear Lou:

Please find enclosed the data and maps for the North Thompson River and Howard Creek areas.

I have received two payments from your Company in respect of this project, namely; \$11,970.96 on November 16th, 1979 and \$11,954.41 on December 3, 1979. The outstanding amount on this project is \$12,074.63.

*Canadian Dollars*

Yours sincerely,

*Ronald F. Shelldrake*  
Ronald F. Shelldrake  
Geophysicist

1-25-80

RFS:lkb

*ok to pay  
to Proj 93  
Jan 11 1980*

*Wesley*



UNITED BANK OF DENVER  
2403 Alameda Tower  
Denver, Colorado 80202

NO 15587

United Bank of Denver U.S.  
DENVER, COLORADO  
23-7/1929

NO 15587

PAY

VOID AFTER 90 DAYS

TO  
THE  
ORDER  
OF

Apex Airborne Surveys Ltd.  
420-390 W. Pender Street  
Vancouver, B.C. V6C 1J9

DATE  
1-25-80

AMOUNT  
U.S. FUNDS  
\$ 10,431.27

The Anschutz Corporation

NOT NEGOTIABLE

4385374 4307000784 877 3268

The Anschutz Corporation  
Denver, Colorado

NO 15587

1-25-80 Balance due - \$ 12,074.63 x exc. rate . 8639 = \$10,431.27

150093-A951-330-31

GENERAL	SUB	LEASE/WELL/RIG	A F E	AMOUNT

NO 15587

**REQUEST FOR CHECK**

DATE 11/19/79

PLEASE ISSUE WIRE ~~XXXXXX~~ Telegraph Transfer U.B. 872326 CHECK \$ C12,000

PAYABLE TO Apex Exploration (U.S. 10,275.60)

COVERING 1st payment for Blue River Airborne Survey 10,218.00

Account No. 10,21214 + 850

Canadian Imperial Bank of Commerce

Hastings and Gamble

Vancouver, B.C.

*apex .855*

*Acct. Coy.*

*new project*

PREPARED BY Charles E. Malbué

**United Bank of Denver**

National Association  
United Bank Center, Denver, Colorado 80217  
50-8  
Explanation

**Checking**

**ADVICE**

**OF DEBIT**

Date	Made By	REOL	Ext	Dept. No.	Approved By	Dept. No.
11-21-79	S. LEWIS		3234	13360		

NOV 20 1979

OUR REF. QT 42962  
TRANSFER TO BANK OF NOVA SCOTIA VANCOUVER FOR TRANSFER TO CANADIAN IMPERIAL BANK OF COMMERCE HASTINGS AND GAMBLE VANCOUVER BC CANADA FOR ACCT APEX EXPLORATION 1021214 B/O ANSCHUTZ CORP (AMT EUR 102,850 CABLE FEE)

Account Name  
ANSCHUTZ CORP  
2408 ANACONDA TOWER  
555 17TH STREET  
DENVER COLO 80202

Offsetting Account No. 02 312 1  
Offsetting Account Title BANK OF NOVA SCOTIA

Account No. 07 232 0  
Amount \$ 10,225.50

REQUEST FOR CHECK

DATE 11/28/79

PLEASE ISSUE Wire Transfer

RFR

CHECK \$ C12,000

PAYABLE TO Apex Exploration, Account No. 10,21214

COVERING at Canadian Imperial Bank of Commerce, Hastings and Gamble  
Vancouver, British Columbia - 2nd payment for Blue River  
Airborne Survey

*Survey completed 11/29 per Mr. Williams  
EX 1/30*

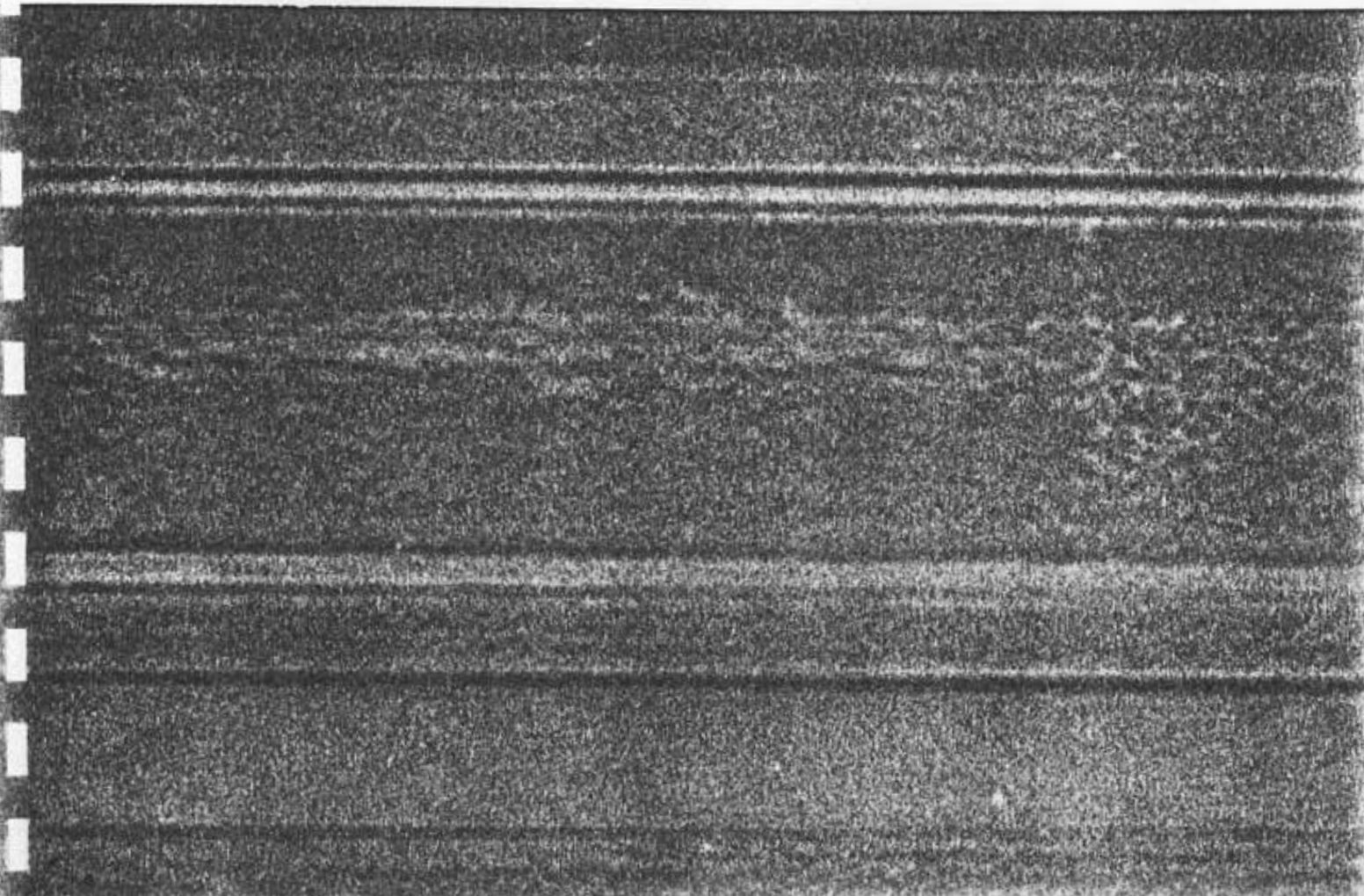
REQUESTED BY Charles E. Melby

AFE 951

DISTRIBUTION

1500-93-330-31

See Gene R. for distribution



11/14/21  
10:05

11-30

Wire transfer

from

United Bank  
acct #812326

\$10,242.20 + 10.00 Br chg.

to

Canadian Imperial Bank of Commerce  
Hastings and Spadina  
Vancouver, B.C. Canada

### United Bank of Denver

Member FDIC  
United Bank Center, Denver, Colorado 80217

08  
Explanation

Checking			ADVICE		OF DEBIT
Date	Made By	Ext.	Dept. No.	Approved By	Dept. No.
11-30-21					

FOR REF OF 44193  
TRANSFER TO CIBC TORONTO FOR TRANSFER TO CIBC HASTINGS AND SPADINA BRANCH VANCOUVER BC CAN.  
FOR ANEX EXPLORATION NO 10 21214 P/O ANSOITZ CORP MIT PLUS OUR 0.50 C/PLU FEE

Account Name  
 ANSOITZ DEVELOPMENT CO  
 535 17TH STREET  
 DENVER CO 80202  
 2400 Anacardo

Offsetting Account No.  
 1171

Offsetting Account Title  
 CIBC TORONTO

Account No.  
 1171

Amount  
 \$ 10,252.20

INVOICE



Anschutz Mining Corporation,  
2400 Anacomda Tower,  
555 17th Street,  
DENVER, Colorado  
80202

Remit to:

**KENTING EARTH SCIENCES LIMITED**  
380 HUNT CLUB RD.  
OTTAWA, ONTARIO K1G 3N3  
CANADA

ATTENTION: Mr. Louis R. Reimer

CUSTOMER ORDER NO. & DATE	KES JOB NO.	PACKING SLIP NO.	FST	ORST	
CONTRACT	80012	-	N/A	N/A	MARCH, 1980

RE: Compilation of data - North Thompson River Area, B.C.

Due as per contract/letter February 5, 1980

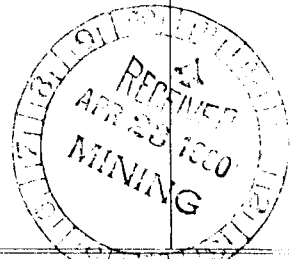
\$ 2,365. 00 U.S.

Less one map not inked  
Total due this invoice

100. 00  
\$ 2,265. 00 U.S.

*ok to pay Proj 93 80  
R April 23 80*

RECEIVED  
APR 22 1980



REFER TO INVOICE NO.  
WHEN REMITTING

INVOICE NO.

K 12856

CUST. NO.

22 27

DATE

DA MO YR  
11 51 01 4 81 0

TERMS: NET 30 DAY

CUSTOMER

INTEREST IS CHARGED ON OVERDUE ACCOUNTS AT 2% PER MONTH (24% PER ANNUM)

ANTHONY N. MARIANO. PH.D.

CONSULTING GEOLOGIST

48 PAGE BROOK ROAD

CARLISLE, MASSACHUSETTS 01741

617-369-9242

November 10, 1979

RECEIVED

NOV 15 1979

Mr. Charles E. Melbye, President  
Anschutz Mining Corporation  
2400 Anaconda Tower  
555 Seventeenth Street  
Denver, Colorado 80202

Dear Chuck;

Here is my consulting and expenses statement for the recent field trip to Blue River. Consulting includes 5 days at \$400.00/day, with a total of \$2000.00.

Expenses are as follows...

Air fare Boston to Blue River and return -----	\$725.10
Cab fares Carlisle MA to Logan Airport 10/21/79 -----	24.00
Logan Airport to Carlisle 10/25/79 -----	35.00
Phone calls to Blue River from Carlisle, MA. for arranging the trip -----	40.00
Meals 10/21/79 -----	3.00
10/22/79 -----	30.00
10/23/79 -----	14.00
10/24/79 -----	14.00
Cost for maps -----	2.00
Hotel in Blue River (Includes room for T. Andrew Ahroon) 10/21-10/24 -----	138.60
Hotel in Seattle 10/24/79 -----	37.91
Tips -----	1.00
Total expenses -----	\$1064.61
Total consulting and expenses -----	\$3064.61

As you know, I am currently working on the characterization of some of the rocks and samples that I collected in Blue River. I have estimated a consulting time of 5 days for this work and expenses should fall at  $\approx$  \$500.00. I expect to complete the work within two weeks. Thus far, the Blue River Carbonatite is showing more potential than I had previously estimated.

Sincerely,

*Anthony N. Mariano*

Anthony N. Mariano

*OK Charles Melbye*

12-18-79

150093-A951-330-54

12/31/79

Dear Chuck, *M*

Here finally are 3 copies of the report on the Blue River Samples. The report is quite small but I was allotted 5 days for this work and most of that went into the analytical work. The probe work alone took 2 days.

Please excuse the informality of this letter but my wife who is also my typist is in the hospital.

My consulting fee for 5 days is \$2000.00.

Expenses are as follows - - -

Electron Microprobe work - - - -	\$200.00
SEM work - - - -	167.35
Thin-section fabrication - - -	85.00
typing - - - -	49.50
Graphics - - - -	40.00
Kodak processing etc - - -	37.49
Polaroid black & white - - - -	30.00
Polaroid color - - - -	4.00
Milage 206 miles at \$0.2/mi - - -	41.20
Mailing costs	4.21

total expenses \$ 658.75

total consulting and expenses \$2658.75

150093- A951-33054 Best Wishes for a Happy and Prosperous New Year

Anthony N. Mariano

*OK To Pay 11/21/80  
Proj 93  
1179-1500-951*



CO. 11/33 DE. 11  
T. 24 N. R. 10 E. S. 11  
RANGE 10 N. T. 24 N.

83D/6E

BLUE 9  
2468(3)

BLUE 8  
2467(3)

AR 2  
487(8)

AR 3  
505(9)

AR 4

1946(6)

VERTY  
FIRST  
3346 E

AR 1

ALSO AR 3  
1947(6)

1945(6)

BLUE 6  
2465(3)

BLUE 7  
2466(3)

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT

8216

BLUE 4  
2463(3)

BLUE 5  
2464(3)

THOMPSON RIVER

Pyromia Creek

THOMPSON

AR 2  
1873(3)  
AR 1  
1874(3)

BLUE 3  
2462(3)

BE 3  
1953(7)

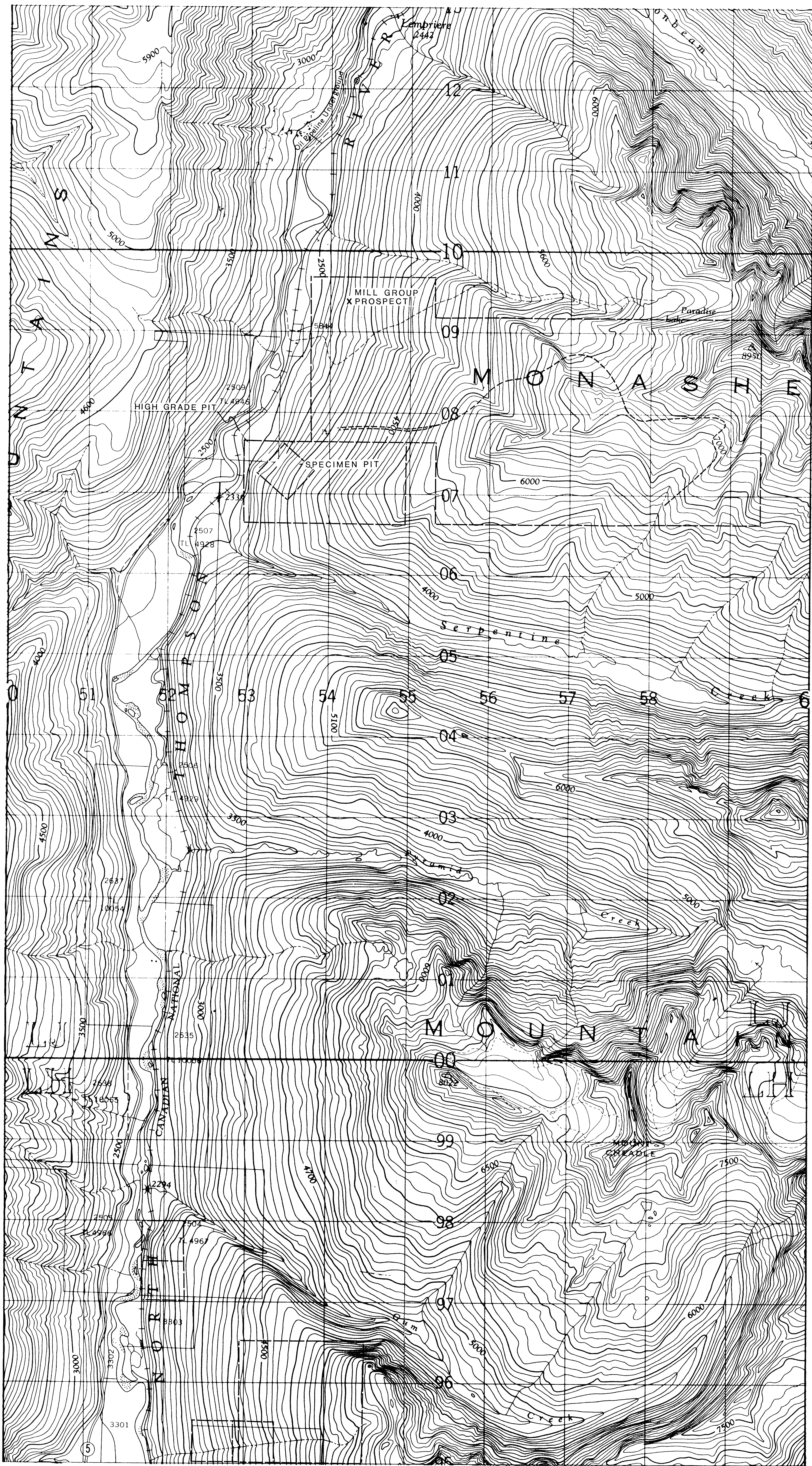
BLUE 2  
2461(3)

BE 2  
1873(3) BE 1  
1874(3)

BLUE 1  
2460(3)

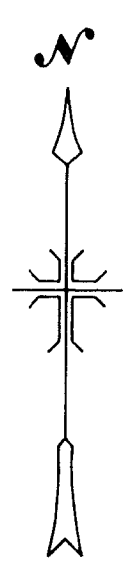
Q





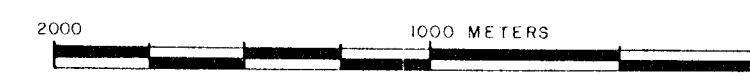
**LEGEND**

- C.I. = 100'
- Claim Boundary
- - - Carbonatite Outcrop and Projection.



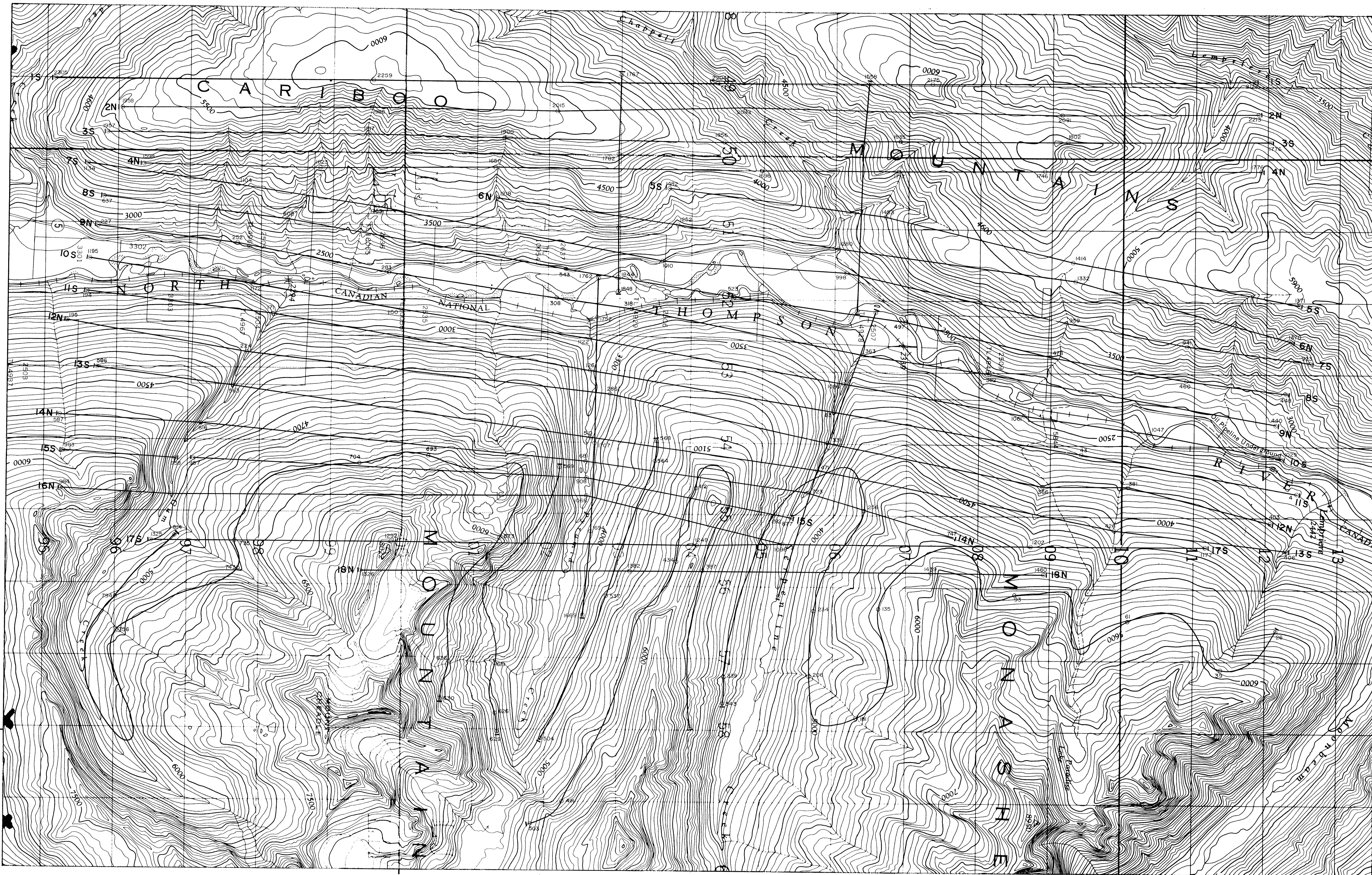
MINERAL RESOURCES BRANCH  
 8216

SCALE: 1:20,000



ANSCHUTZ MINING CORPORATION  
 PLATE A  
 BLUE RIVER CARBONATITE  
 BRITISH COLUMBIA





119°05' W

52°20' N

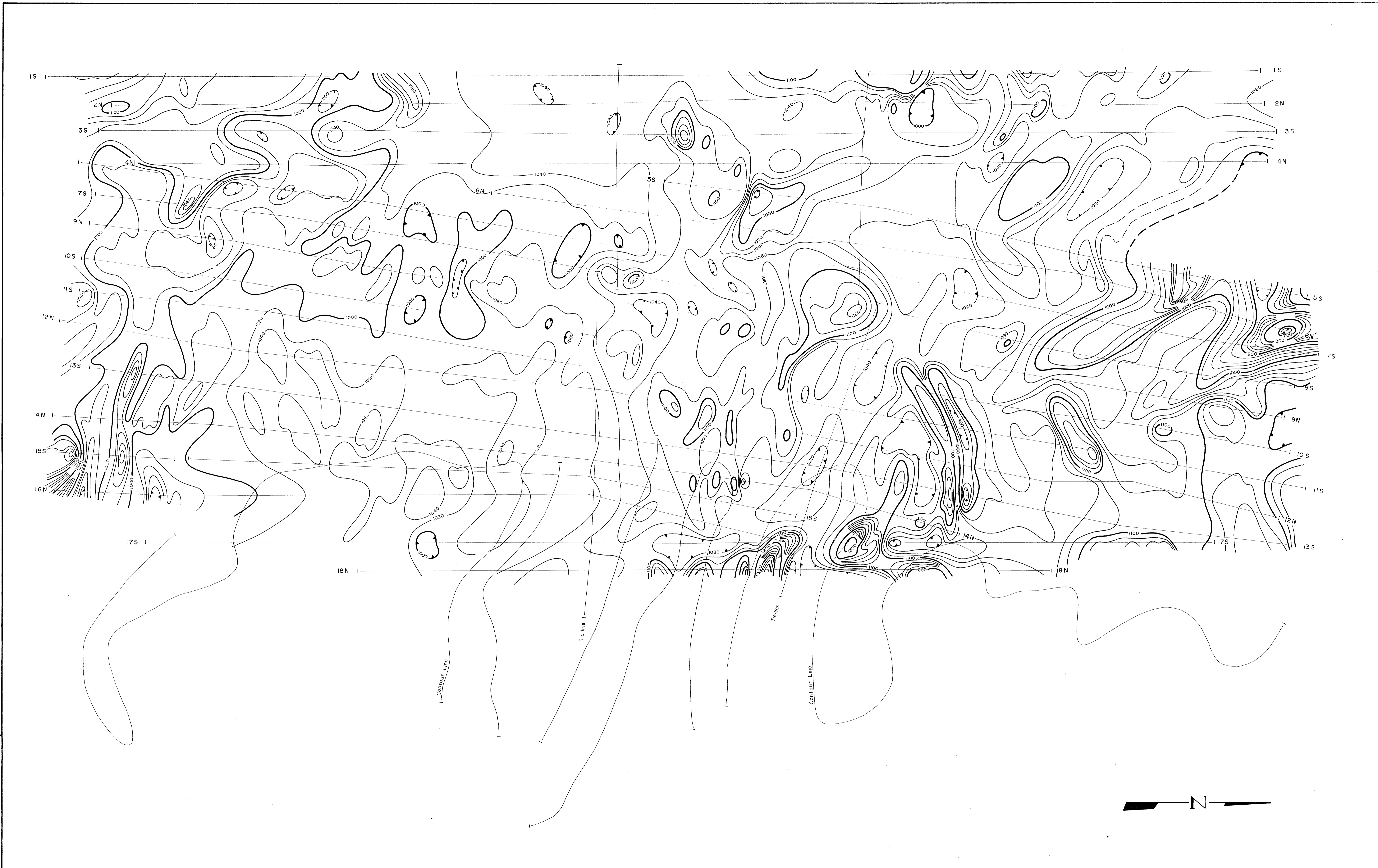
MINERAL RESOURCES BRANCH  
 ASSESSMENT REPORT  
**8216**

PLATE B  
**FLIGHT LINE MAP**  
 NORTH THOMPSON RIVER AREA, B.C.  
 KAMLOOPS MINING DIVISION  
 ON BEHALF OF  
 ANSCHUTZ MINING CORPORATION  
 Scale: 1:20,000 N.T.S. 83 D 6  
 Data collected by  
 APEX AIRBORNE SURVEYS LTD  
 Vancouver, B.C.



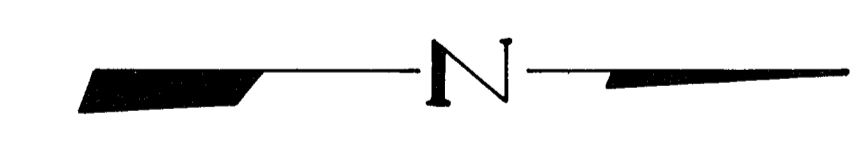
PLATE B  
 FLIGHT LINE MAP  
 NORTH THOMPSON RIVER AREA, B.C.  
 KAMLOOPS MINING DIVISION





119°05' W

52°20' N



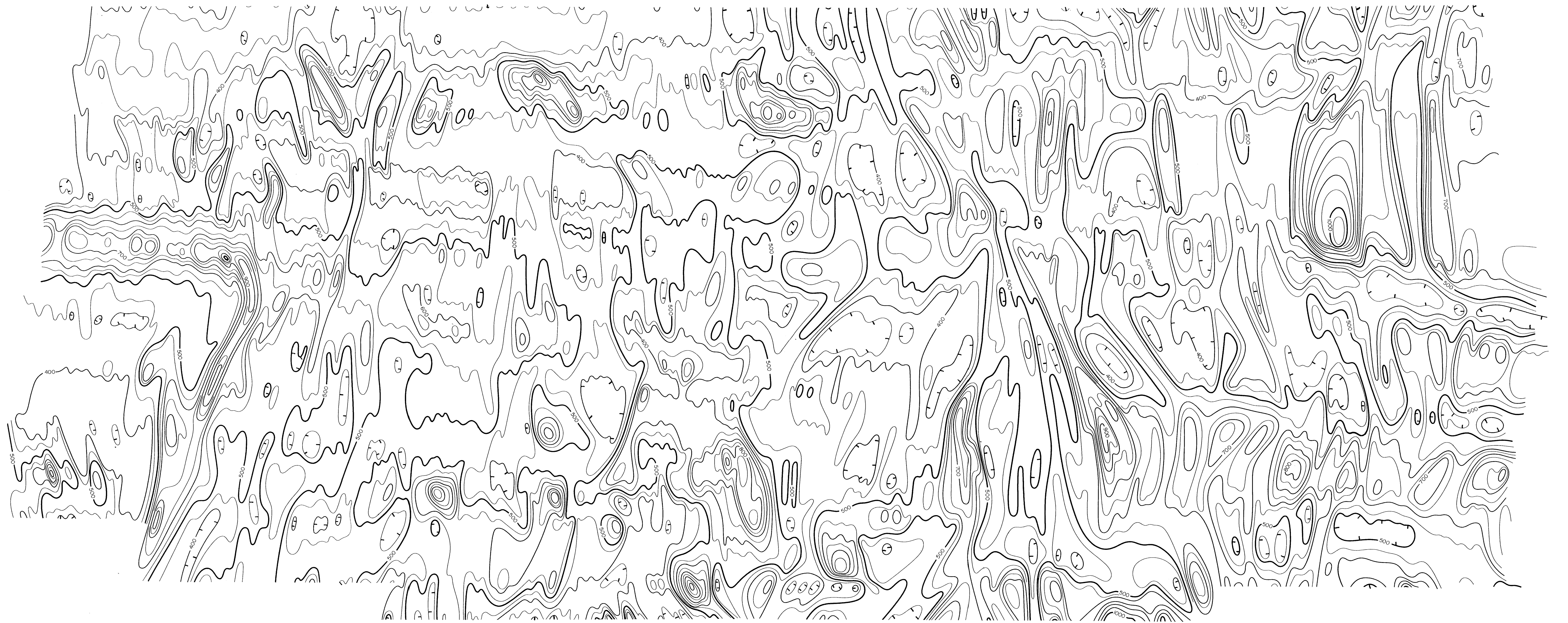
TECHNICAL DATA:  
 MAGNETOMETER: GEOMETRICS G803  
 UNITS OF MEASUREMENT: GAMMAS (10<sup>3</sup>OERSTED)  
 SENSITIVITY OF MAGNETOMETER: 2 GAMMAS  
 TERRAIN CLEARANCE: 200 FEET MEAN  
 POSITIONING CONTROL: FILM  
 MAGNETIC INCLINATION: 74°  
 MAGNETIC DECLINATION: 24.5°  
 CONTOUR INTERVAL: 20 GAMMAS

LEGEND  
 100 GAMMAS  
 20 " "  
 MAGNETIC LOW

PLATE C  
**TOTAL FIELD MAGNETIC CONTOUR MAP**  
 NORTH THOMPSON RIVER AREA, B.C.  
 KAMLOOPS MINING DIVISION  
 ON BEHALF OF  
 ANSCHUTZ MINING CORPORATION  
 Scale: 1:20,000 N.T.S. 83 D 6  
 Data collected by  
 APEX AIRBORNE SURVEYS LTD  
 Vancouver, B.C.

PLATE C  
 TOTAL FIELD MAGNETIC CONTOUR MAP  
 NORTH THOMPSON RIVER AREA, B.C.  
 KAMLOOPS MINING DIVISION

MINERAL RESOURCES BRANCH  
 ASSESSMENT REPORT  
**8216**



MINERAL RESOURCES DIVISION  
8216  
NO.

PLATE D  
TOTAL COUNT RADIOMETRIC CONTOUR MAP  
NORTH THOMPSON RIVER AREA  
KAMLOOPS MINING DIVISION  
Scale 1:20,000 NTS 83D6  
Contour Interval = 50 cps

TOTAL COUNT CONTOURS



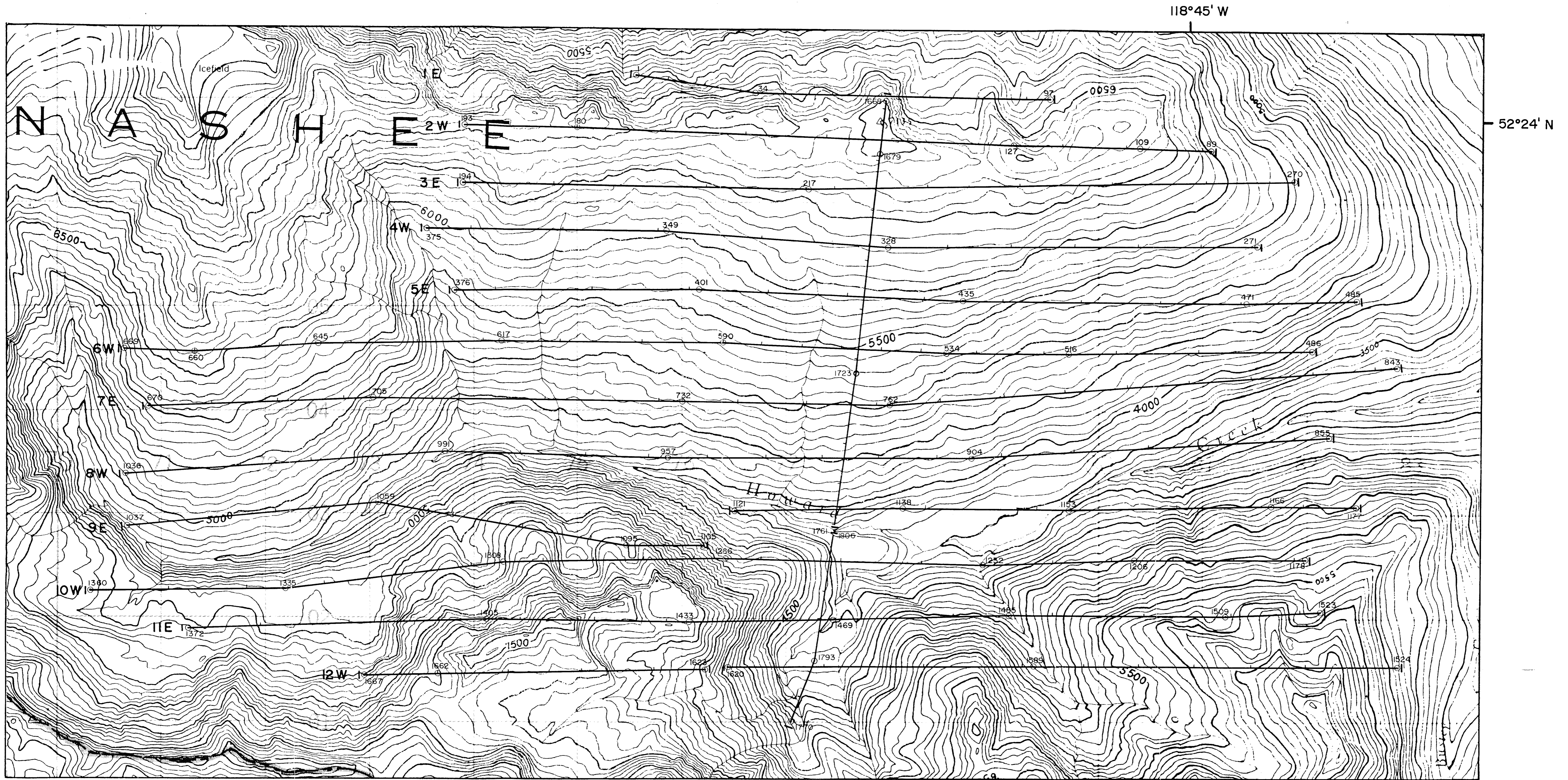


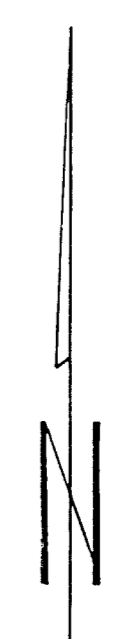
PLATE E  
**FLIGHT LINE MAP**  
 HOWARD CREEK AREA, B.C.  
 CARIBOO MINING DIVISION  
 ON BEHALF OF  
 ANSCHUTZ MINING CORPORATION

Scale: 1:20,000 N.T.S. 83 D 7  
 Data collected by  
 APEX AIRBORNE SURVEYS LTD  
 Vancouver, B.C.

LEGEND  
 5E 1 386 — Flightline, showing every tenth fiducial and picked points O

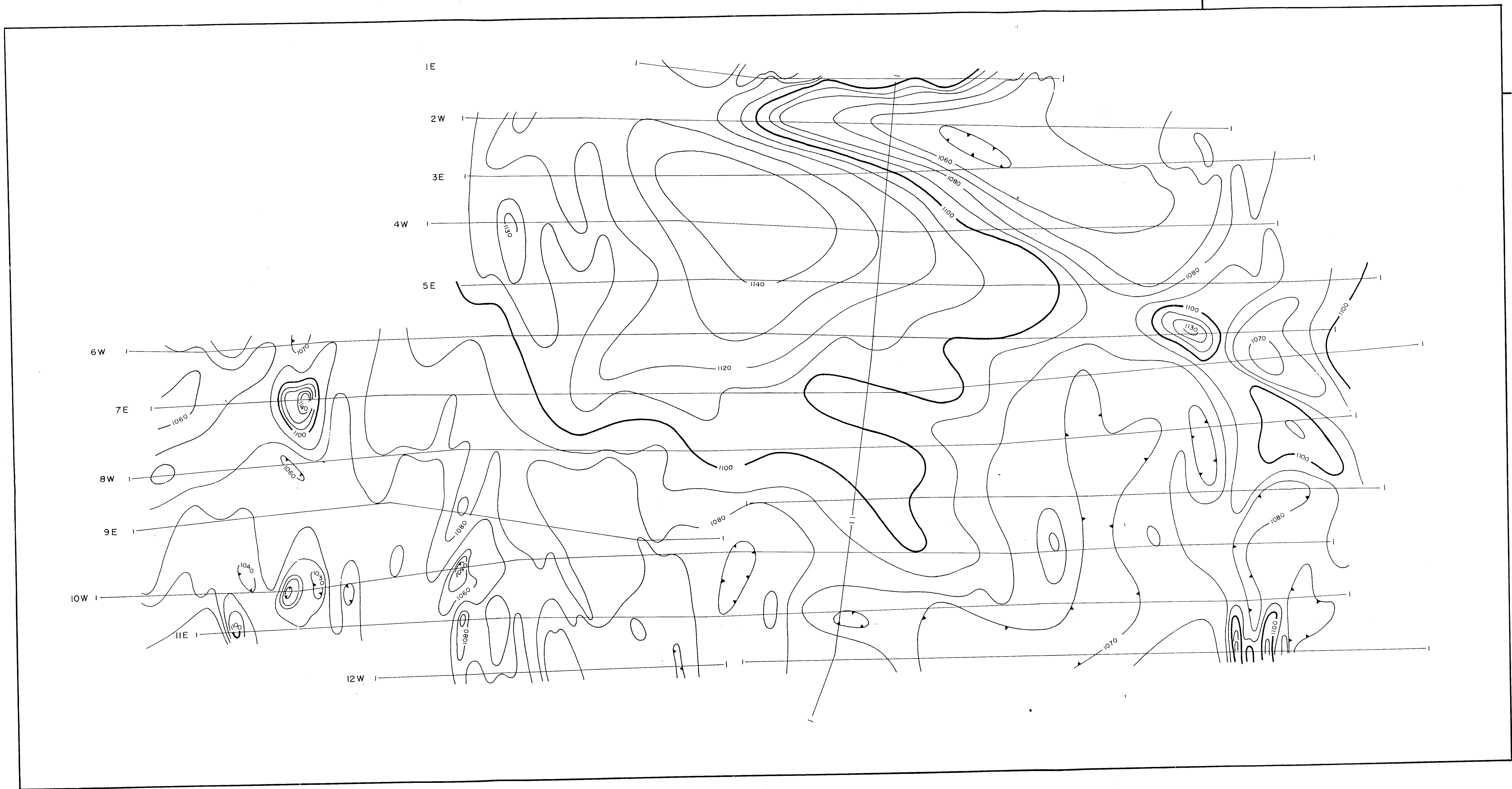
8216

PLATE E  
 FLIGHT LINE MAP  
 HOWARD CREEK AREA, B.C.  
 CARIBOO MINING DIVISION



118°45' W

52°24' N



TECHNICAL DATA:

MAGNETOMETER: GEOMETRICS G803  
 UNITS OF MEASUREMENT: GAMMAS (10<sup>5</sup> OERSTED)  
 SENSITIVITY OF MAGNETOMETER: 2 GAMMAS  
 TERRAIN CLEARANCE: 200 FEET MEAN  
 POSITIONING CONTROL: FILM  
 MAGNETIC INCLINATION: 74°  
 MAGNETIC DECLINATION: 24.5°  
 CONTOUR INTERVAL: 20 GAMMAS

LEGEND

- 100 GAMMAS
- 10 "
- MAGNETIC LOW

PLATE F  
**TOTAL FIELD MAGNETIC CONTOUR MAP**

HOWARD CREEK AREA, B.C.  
 CARIBOO MINING DIVISION  
 ON BEHALF OF  
 ANSCHUTZ MINING CORPORATION

Scale: 1:20,000 N.T.S. 83 D 7

Data collected by  
 APEX AIRBORNE SURVEYS LTD  
 Vancouver, B.C.

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PLATE F  
 TOTAL FIELD MAGNETIC CONTOUR MAP  
 HOWARD CREEK AREA, B.C.  
 CARIBOO MINING DIVISION

