

part 3
 of 3

GEOCHEMICAL AND MAGNETOMETER SURVEY
 ON THE MAUD CLAIMS
 BRITISH COLUMBIA
 CARIBOO MINING DIVISION

January 8, 1982.

by

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 and
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 Vancouver, B.C.

for

Dome Exploration (Canada) Limited
 Toronto, Ontario
 (Owner)

CLAIMS: MAUD 1 - 7
 NTS 93 A/12
 121° 55' 52° 44'

Work Paid for by Dome Exploration (Canada) Limited

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INTRODUCTION

The purpose of this report is to present results of a geochemical soil testing program and a magnetometer survey done on the MAUD claims. Linecutting, soil sampling and the magnetometer survey were carried out from May 20 to August 30, 1981. The program was designed to aid an evaluation of the property, staked in August, 1980.

LOCATION AND ACCESS

The property is located on the west side of Maud Lake 40 kilometres southeast of Quesnel, B.C. (Figures 1 & 2). Access is by a 25 kilometre forestry road from Sardine Flats to the southwest corner of Maud #3. A rough, four-wheel-drive access trail joins the logging road and the camp area at Maud Lake. The Maud claims have an elevation of 1200 metres above sea level. Slopes are gentle and generally covered by a thin layer of glacial till. Vegetation consists of thin stands of mixed poplar, fir and jackpine.

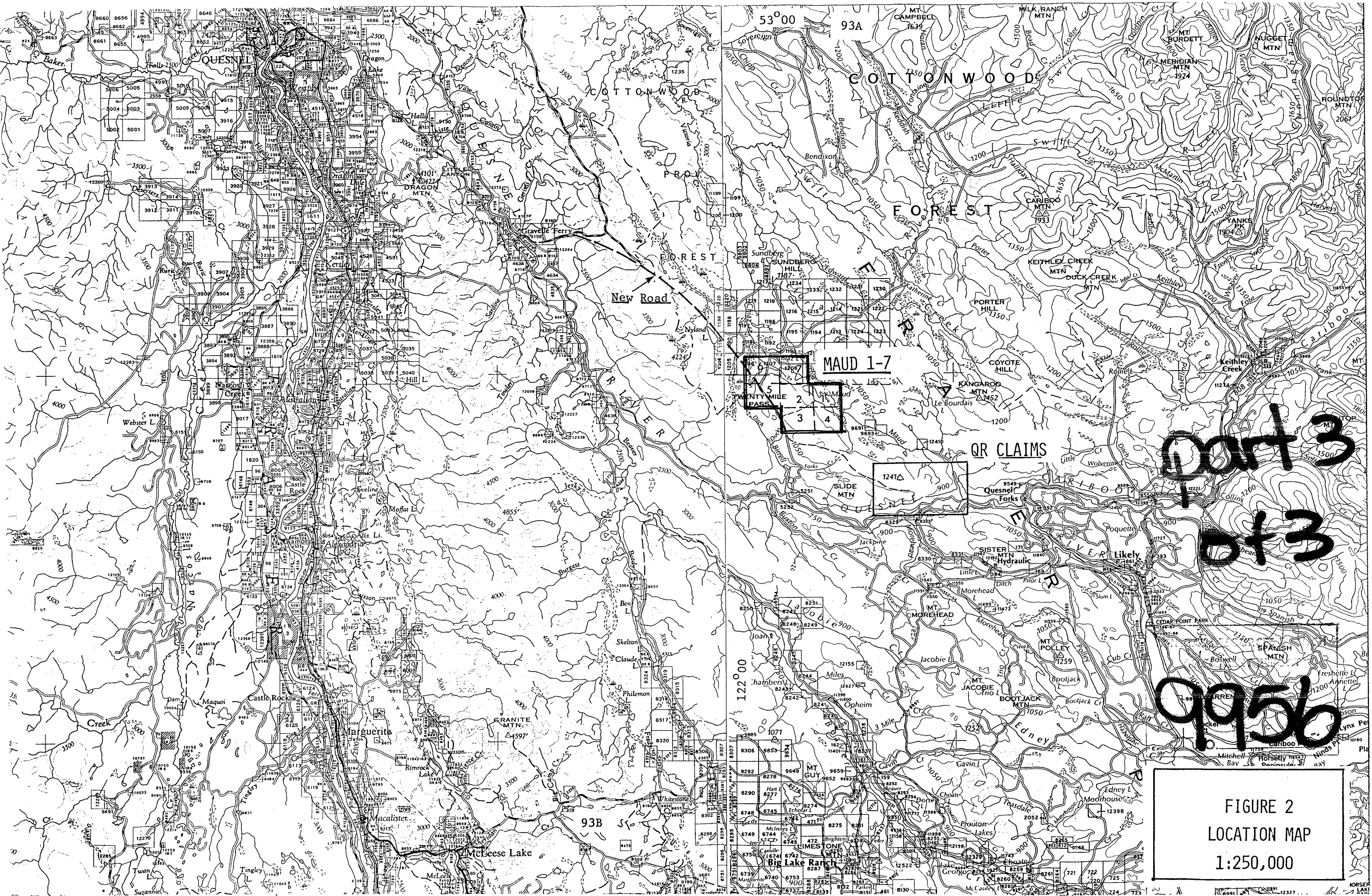
Old clearings on the property include an overgrown two-acre farmsite and old placer ditches, and old roads (Swift River trail) to the west and north.

CLAIMS

There are seven claims within the group. Expiry dates noted below assume that the work described herein, which was applied to Maud 1-4, is accepted for assessment purposes.

'A' Group

Maud 1	16 units	Rec. No. 1785	Aug. 1,	1991
Maud 2	20	1786	Aug. 1,	1990
Maud 3	20	1787	Aug. 1,	1990
Maud 4	16	1788	Aug. 1,	1990



New Road

MAUD 1-7

QR CLAIMS

part 3
of 3

9956

FIGURE 2
LOCATION MAP
1:250,000

Not Grouped

Maud 5	16 units	Rec. No. 4073	Oct. 20	1982
Maud 6	20	4074	Oct. 20	1982
Maud 7	20	4075	Oct. 20	1982

PROGRAMS

Geochemical Sampling

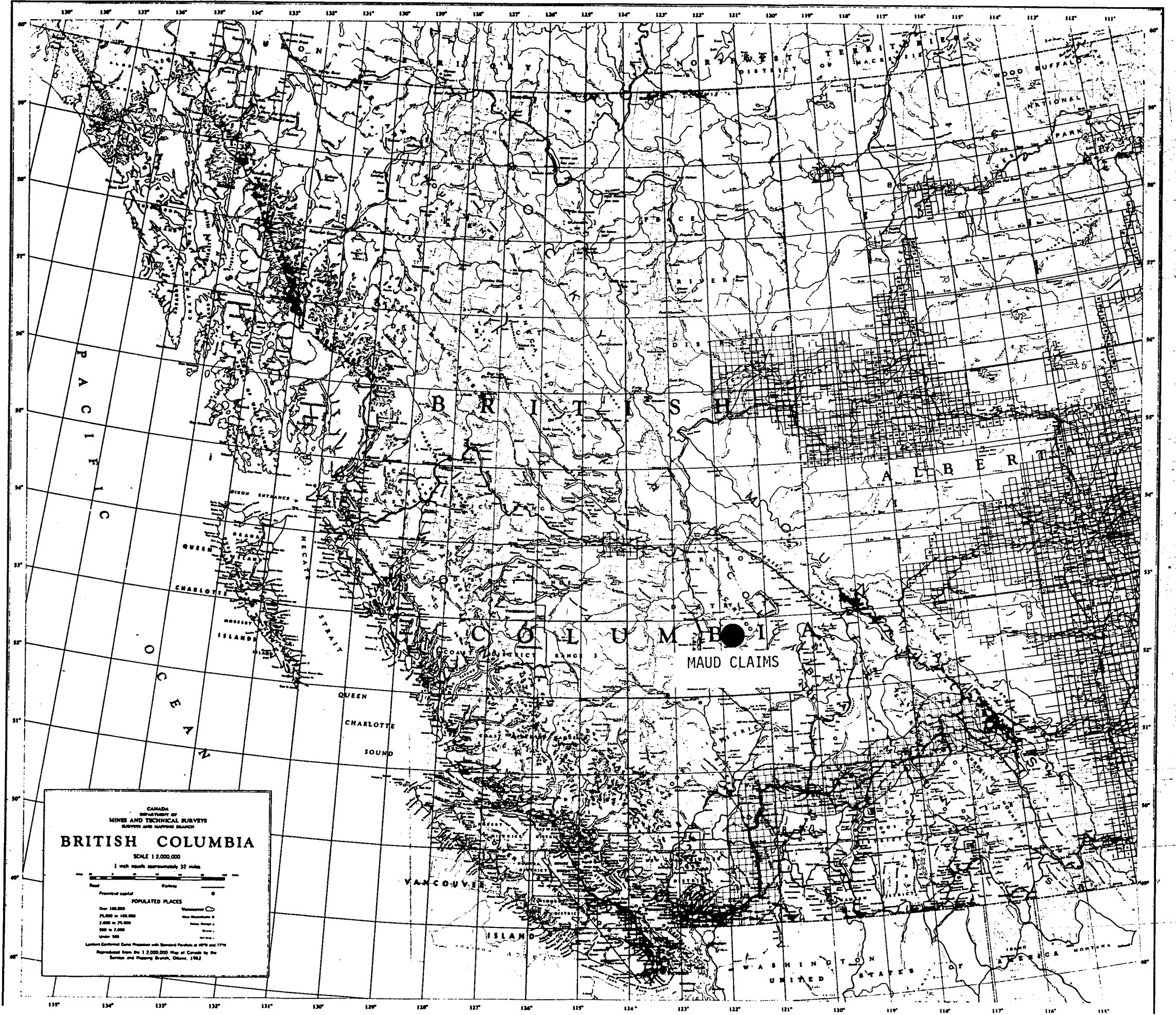
The program consisted of linecutting, grid preparation and soil sampling. A grid system consisting of 82 kilometres of line was cut. Grid lines were spaced 150 metres apart and marked at 60-metre intervals.

Geochemical work consisted of soil samples collected every 60 metres along established grid lines. Samples were taken from the B horizon where possible or from talus material.

Approximately 1-kg samples were collected by mattock and stored in kraft paper bags. Samples were screened and the -80 mesh fraction pulverized and analysed by Acme Analytical Laboratories, 852 East Hastings Street, Vancouver, B.C. The 26-element inductively coupled argon plasma technique (ICP) was used, along with atomic absorption for gold.

Magnetometer Survey

Seventy-six kilometres of magnetometer survey were done by Hi-Tec Resource Management Limited. Readings were taken at 60-metre intervals using two GSM-8 instruments. One was used for survey work and a second was coupled to an MR-10 recorder



for diurnal corrections. A reference base station was established at the camp area near the west side of the grid.

Induced Polarization Survey

Seventy-six kilometres of induced polarization survey were done by Lloyd Geophysics Limited. A report on this work by J. Lloyd, P. Eng. is submitted separately.

GEOLOGY

The Maud property covers a dioritic stock and enclosing pyritic volcanic rocks exposed on low ridges near the west side of the Maud Lake. The property is situated 10 kilometres north of the Quesnel River gold prospect currently being explored by Dome Mines Limited. The Maud prospect is associated with a small alkalic intrusion of diorite, monzodiorite and monzonite that intrudes a thick succession of augite basalt, trachybasalt, felsic breccia, and volcanic wackes and sediments.

Dark grey massive basaltic flows, thick layers of unstratified autobreccia and widespread accumulations of pyritic felsic breccia form rocky summits and ridges in the central part of the property. Poorly bedded volcanic wackes and sedimentary grits outcrop at lower elevations to the west. The sediments strike north-westerly, dip steeply west, and overlie the volcanic strata to the east. Small amounts of gold and copper have been detected in pyritic volcanic rocks near the east boundary of Maud 2.

RESULTS

Geochemical Testing

Results are given in Figure 3. Each sample site is plotted and shows gold content (in ppb), silver content (in ppb), arsenic content (in ppm) and copper content (in ppm). Twelve hundred and fifty five samples were tested. Histograms for copper, silver and gold are given in Figure 5. The mean copper content is 50 ppm. Approximately 10% of the samples are greater than 100 ppm, the regional background. The average silver content is 300 ppb. Only 5% of the samples contains more than the regional background of 1 ppm. Gold samples comprise a strongly skewed (Poisson?) distribution. Five per cent of the samples are greater than 20 ppb (anomalous), however, no coherent anomaly pattern is apparent.

Magnetometer Survey

The contoured magnetic measurements (Figure 4) outline the dioritic stock near the west shore of Maud Lake and possible extensions to the south. Volcanic rocks exposed along ridge summits in Maud 3 and 4 give slightly higher magnetic responses than sedimentary strata farther west in the west part of Maud 2 and 3.

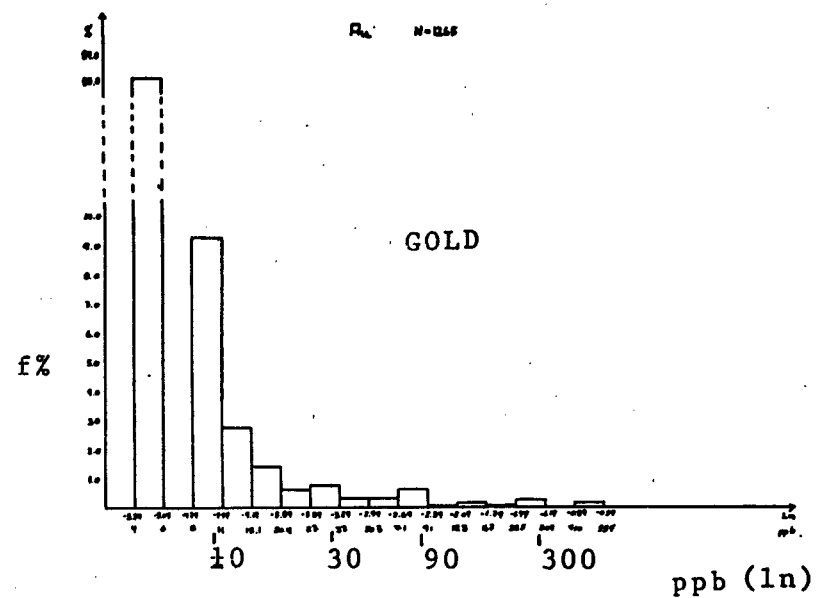
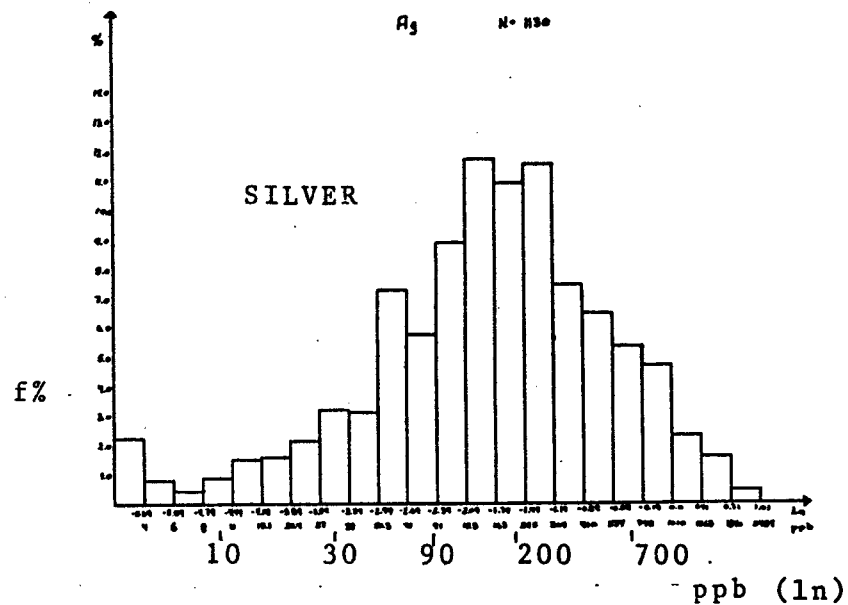
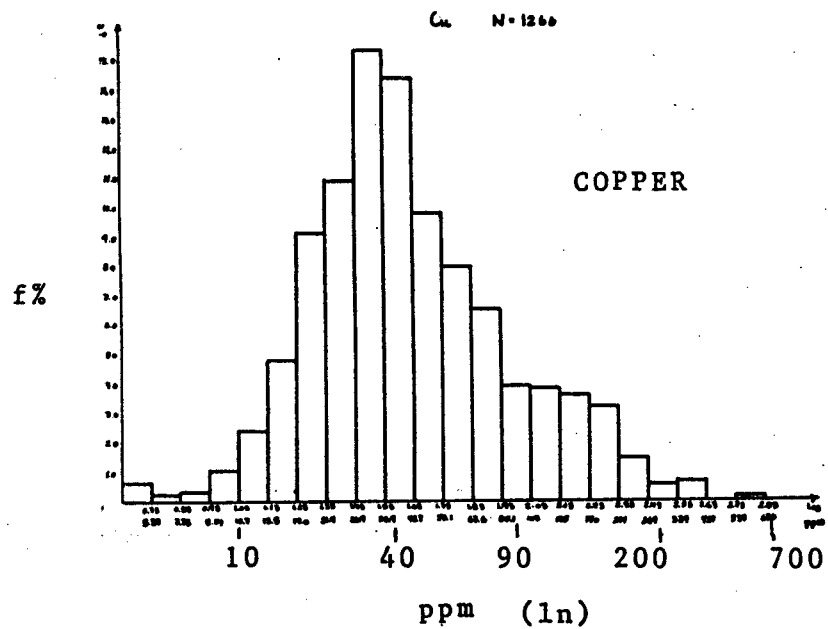


Fig. 5 Histograms for copper, silver, gold

DISBURSEMENTS

1.	Grid preparation including linecutting, Hi-Tec Resources Limited 82 km @ \$ 278.00 (Invoice)	\$ 22,796	
2.	Geochemical sampling, Hi-Tec Resources Limited 76 km @ \$ 102.00 (Invoice)	7,752	
3.	Geochemical analysis, Acme Analytical Labs 1255 samples @ \$ 9.15 (Invoice)	11,483	
4.	Magnetometer survey, Hi-Tec Resources Limited 76 km @ \$ 58.00 (Invoice)	<u>4,408</u>	46,439
5.	Induced Polarization survey, Lloyd Geophysics Limited Report enclosed separately 76 km @ \$ 586.00 (Invoice Amount)		44,535
6.	Helicopter E.M. and Mag. Survey Apex Airborne Surveys Ltd. (Report sent in with statement of Exploration and Development) 128 km @ \$ 60.00 (Invoice)		<u>7,680</u>
			<u>\$ 98,654</u>



Prepared by

FOX GEOLOGICAL CONSULTANTS LTD.



S. Topham

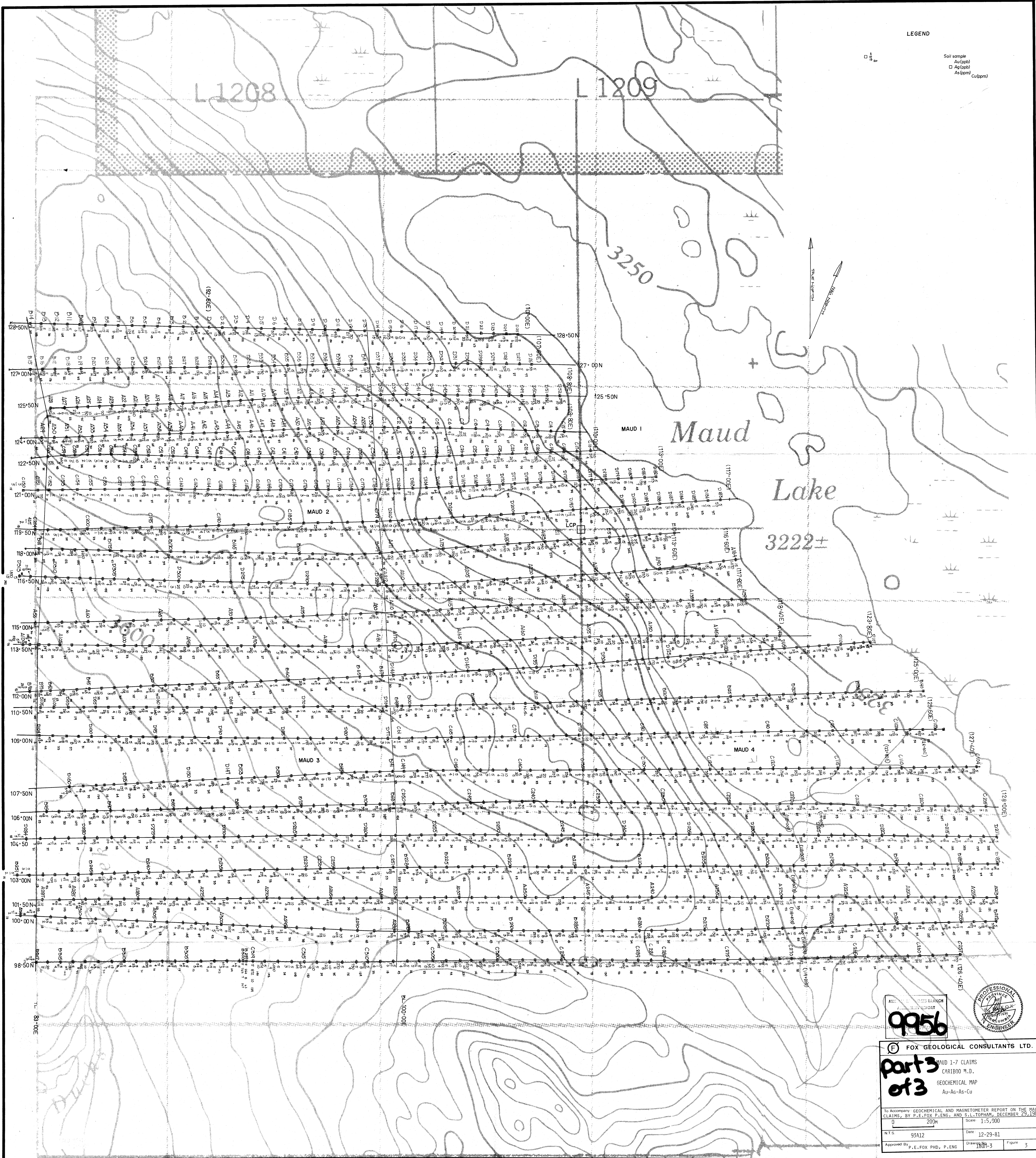
P. E. Fox

P. E. Fox Ph.D., P. Eng.

January 8, 1982.
Vancouver, B. C.

LEGEND

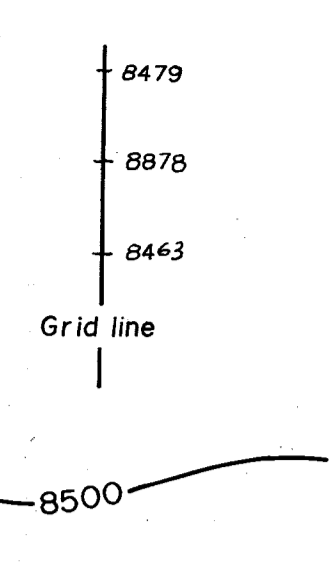
Soil sample
Au(ppb)
Ag(ppb)
As(ppm)
Cu(ppm)



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 F FOX GEOLOGICAL CONSULTANTS LTD.
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 MAUD 1-7 CLAIMS
 CARIBOO M.D.
 GEOCHEMICAL MAP
 Au-Ag-As-Cu

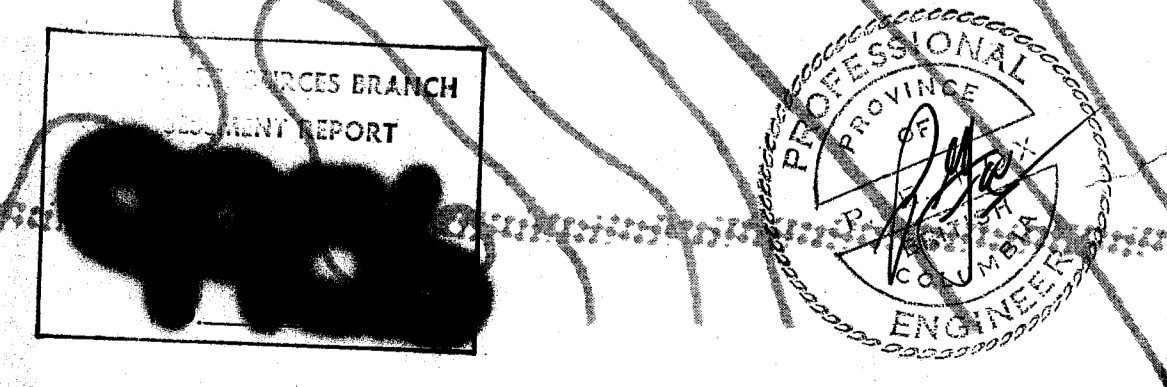
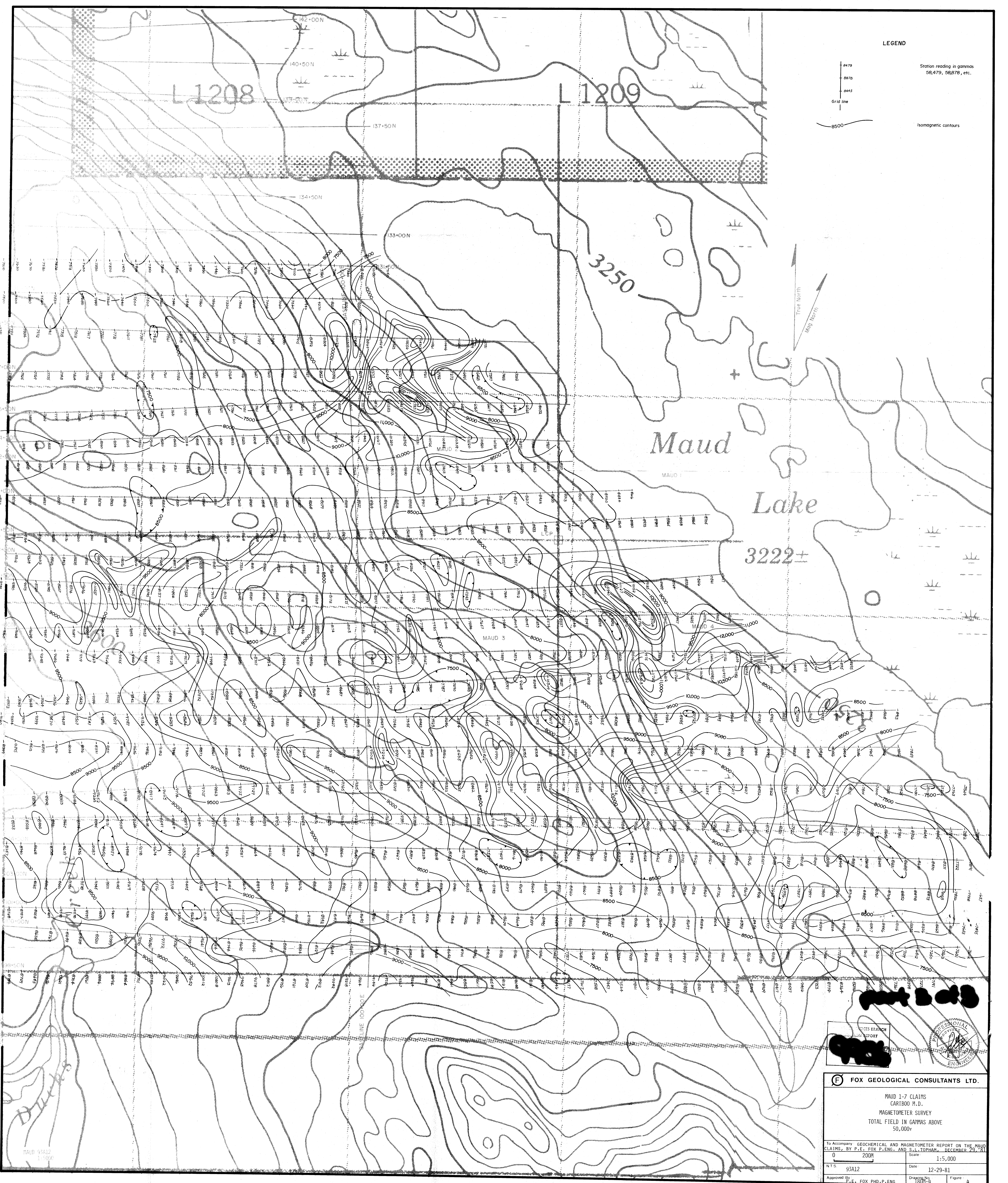
To Accompany GEOCHEMICAL AND MAGNETOMETER REPORT ON THE MAUD CLAIMS, BY P.E. FOX P. ENG. AND S.L. TORRAN, DECEMBER 29, 1981
 Scale 1:5,000
 NTS: 93A12 Date: 12-29-81
 Approved by: P.E. FOX PHD, P. ENG. Drawings: 1807-3 Figure 3

LEGEND



Station reading in gammas
58,479, 58,878, etc.

Isomagnetic contours



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MAUD 1-7 CLAIMS
 CARIBOO M.D.
 MAGNETOMETER SURVEY
 TOTAL FIELD IN GAMMAS ABOVE
 50,000γ

To Accompany GEOCHEMICAL AND MAGNETOMETER REPORT ON THE MAUD CLAIMS, BY P.E. FOX, P.ENG. AND S.L. TOPHAM, DECEMBER 29, 81

Scale	1:5,000
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Approved By	P.E. FOX, P.ENG.
Drawn By	1801-1
Figure	4

MAUD 93A12
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