

ARIS SUMMARY SHEET

District Geologist, Prince George

Off Confidential: 90.02.03

ASSESSMENT REPORT 18728

MINING DIVISION: Cariboo

PROPERTY: Beaver  
LOCATION: LAT 53 03 00 LONG 122 16 00  
UTM 10 5877866 549158  
NTS 093G01W

CAMP: 036 Cariboo - Quesnel Belt

CLAIM(S): Beaver 1  
OPERATOR(S): Placer Dome  
AUTHOR(S): Goodall, G.N.; MacDonald, R.C.  
REPORT YEAR: 1989, 9 Pages

KEYWORDS: Mississippian, Permian, Cache Creek Group, Ominica Crystalline Belt  
Basalts, Tuffs, Breccias

WORK DONE: Geophysical  
EMGR 10.5 km; VLF  
Map(s) - 1; Scale(s) - 1:5000  
MAGG 10.5 km  
Map(s) - 1; Scale(s) - 1:5000

LOG NO: 0510	RD.
ACTION:	
FILE NO:	

SUB-RECORDER RECEIVED	
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VANCOUVER, B.C.	

REPORT ON A MAGNETOMETER AND VLF SURVEY  
OF THE BEAVER I CLAIM  
CARIBOO MINING DIVISION  
BRITISH COLUMBIA  
NTS 93G/1

FILMED

by

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Roger C. MacDonald, B.Sc.

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Work Paid for by Placer Dome Inc.

April 28, 1989

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

18,728

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## INTRODUCTION

During the period January 23 to February 3, 1989, a program of grid preparation and geophysical surveying was performed on the Beaver I mineral claim. The work is part of an on-going program being carried out in the Mouse Mountain copper-gold prospect.

## LOCATION AND ACCESS

Beaver I claim is located approximately three kilometres east of Mouse Mountain in the Cariboo Mining Division (Figure 1). The claim lies immediately north of the Barkerville Highway, twenty kilometres east of Quesnel, B.C. Several public and private roads permit direct access to the claim area.

## PHYSIOGRAPHY

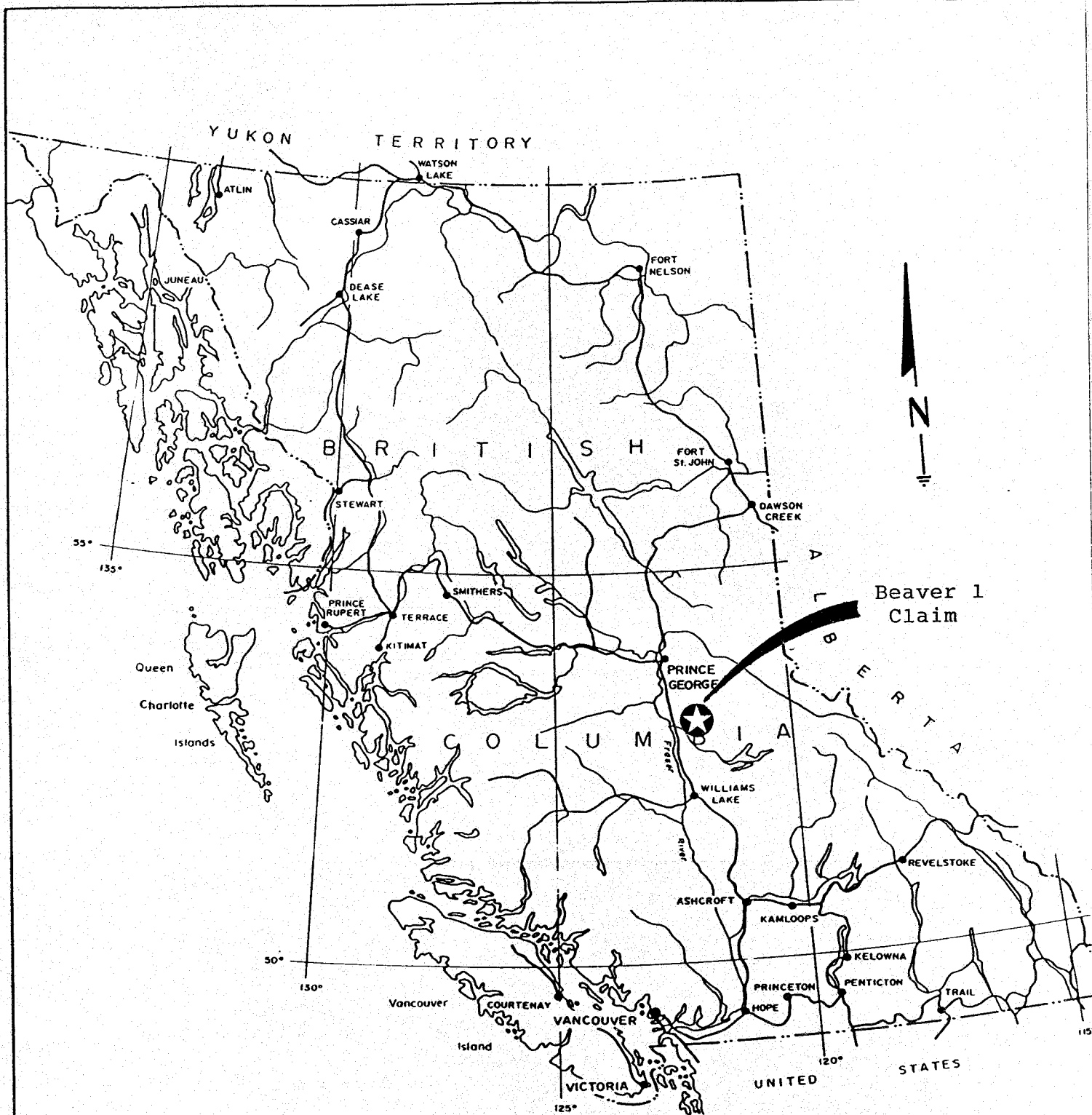
The claim is situated on gently rolling terrain east of the Fraser River and south of Cottonwood River. The region, where unlogged, is thickly wooded and dotted with small lakes and swampy depressions. Relief is approximately 100 metres. Forest cover consists of birch, alder, spruce and fir. A majority of the claim area was logged in the mid-1970's.

## CLAIM INFORMATION

The Beaver I mineral claim (Record No. 8250) consists of 20 units situated within the Cariboo Mining Division on NTS mapsheet 93G/1 (Figure 2). The expiry date, assuming work presented in this report is accepted for assessment purposes, is February 3, 1991. Placer Dome Inc. holds the claim under option from Quesnel Mines Ltd.

## WORK PROGRAM

A total of five grid lines comprising a total of nine line kilometres was established using chain and compass methods. Lines were spaced 100 metres apart with stations every marked 25 metres. Don Gagnon of Renegade Mineral Exploration Services Ltd. (contractor) of Kamloops, B.C. operated an Omni Plus magnetometer-VLF system. Readings were taken on 25-metre stations along the grid lines. A base station recorder, located in the southwest corner of the grid, was used to correct for diurnal magnetic variations. Results of the magnetometer data are presented in Figure 3. Data from VLF readings were analyzed using the Fraser filtering method to average high and low end values. Fraser filtered data are given in Figure 4.

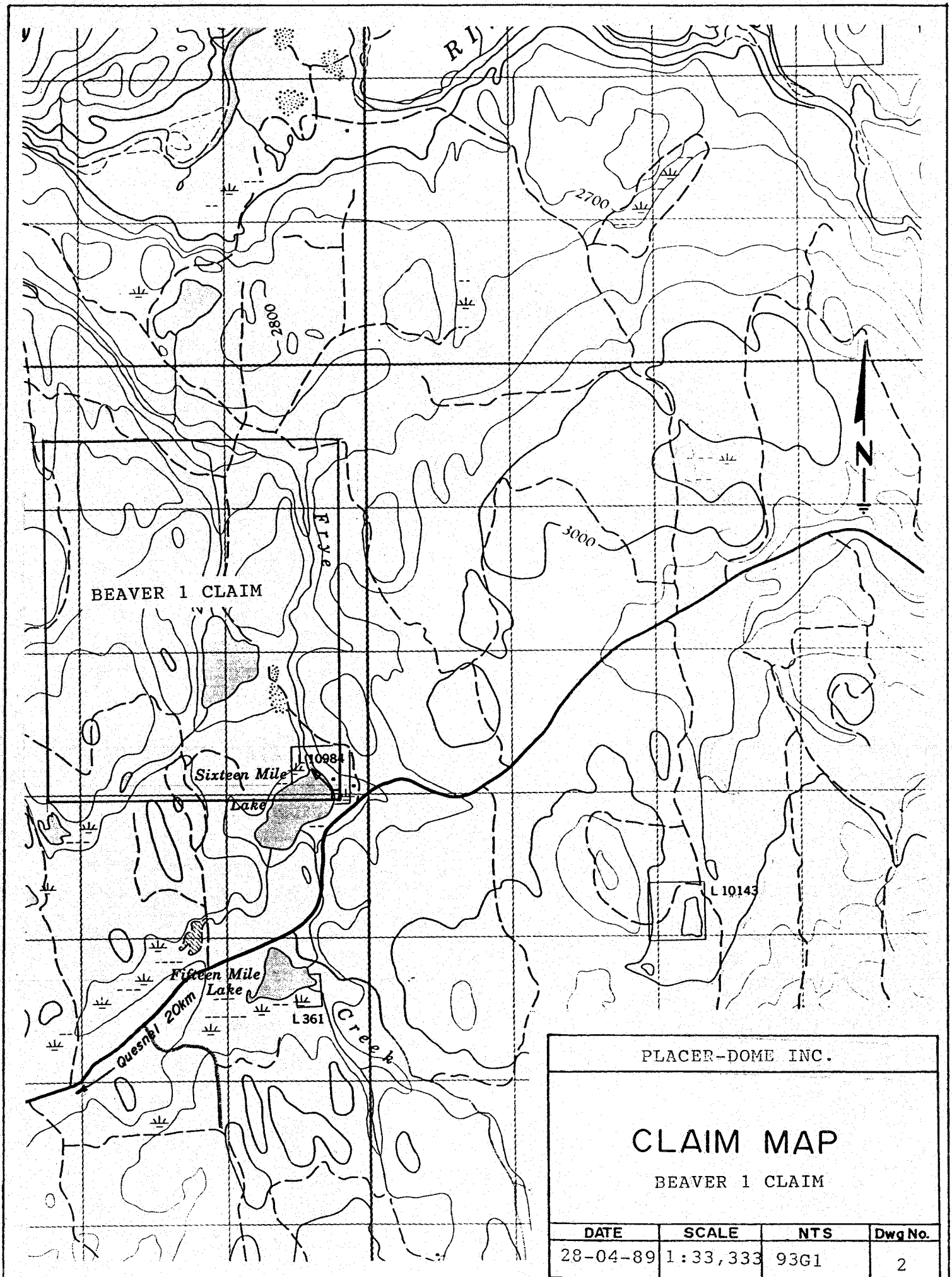


PLACER DOME INC.

## PROPERTY LOCATION PLAN

Beaver 1 Claim

DATE	NTS	Dwg No
28-4-89		1



PLACER-DOME INC.

# CLAIM MAP

BEAVER 1 CLAIM

DATE	SCALE	NTS	Dwg No.
28-04-89	1:33,333	93G1	2

## INSTRUMENTATION

An Omni Plus combined magnetometer/VLF instrument manufactured by EDA Instruments Inc. was used. The Omni Plus system measures and stores the magnitude of the earth's magnetic total field as well as secondary field components of primary fields from VLF transmitting stations.

## GEOLOGY

### Regional

The Beaver I claim lies on the eastern margin of the Quesnel Trough. This extensive geologic feature is bounded to the west by Mississippian-Permian Cache Creek group rocks and to the east by metamorphosed Paleozoic rocks of the Omineca Crystalline Belt. The Quesnel Trough here comprises a thick sequence of Triassic-Jurassic submarine volcanics. The volcanic strata consist of alkali basalts, pillow basalts, polyolithic tuffs and felsic breccias. A linear sequence of stocks, ranging from syenite to diorite, are exposed along the length of the trough. Mouse Mountain, three kilometres west of the claim, is one of these bodies. Several of these stocks are recognized as host to porphyry copper-gold deposits, such as Cariboo Bell and Quesnel River.

### Property

The Beaver I claim is underlain by poorly exposed sedimentary-volcanic rocks east of a syenitic stock exposed on Mouse Mountain.

## RESULTS AND RECOMMENDATIONS

Magnetometer and VLF responses within the grid system are low and fail to define any continuous magnetic or conductive zone. Magnetometer range from 57,990 to 57,199 gammas. Fraser filtered VLF data range from -11 to +19. No anomalous values were determined in either survey.

DISBURSEMENTS

Salaries:

G. Goodall	Geologist	5 days @ \$200	\$ 1,000.00	
R. Roe	Surveyor	5 days @ \$120	<u>600.00</u>	\$ 1,600.00

Accommodation & Board:

15 mandays @ \$45/day	675.00
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Vehicle Rental:

5 days @ \$50.00	250.00
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Equipment & Supplies

75.00

Geophysical Surveying:

Machine & Operator - 4 days @ \$325	1,300.00
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Report Preparation

100.00

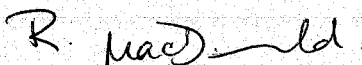
TOTAL DISBURSEMENTS

\$ 4,000.00  
=====

Prepared by:

FOX GEOLOGICAL CONSULTANTS LTD.

  
G. N. Goodall, B.Sc.

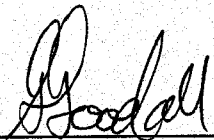
  
Roger C. MacDonald, B.Sc.  
April 28, 1989



CERTIFICATE

I, Geoffrey N. Goodall, of the City of Vancouver, British Columbia, do hereby certify that:

1. I graduated from the University of British Columbia in 1984 with a Bachelor of Science Degree in geology.
2. I have been practising my profession as a geologist since 1984.
3. I have carried out magnetometer and VLF surveys and am familiar with their implementation and interpretation.

  
\_\_\_\_\_  
Geoffrey N. Goodall  
April 28, 1989

CERTIFICATE

I, Roger C. MacDonald, of the City of Vancouver, British Columbia, do hereby certify that:

1. I graduated from the University of British Columbia in 1988 with a Bachelor of Science degree in geology.
2. I have been practising my profession as a geologist since 1987.
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Roger C. MacDonald  
April 28, 1989



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

18,728

7022 Magnetometer Reading (gammas)

L 100 00 N Grid Line and Station

LCP Claim Boundary and Legal Corner Post

CONTOURS

57,150  
57,100  
57,050  
57,000

600m 0 200 600 1000m  
SCALE 1:5000

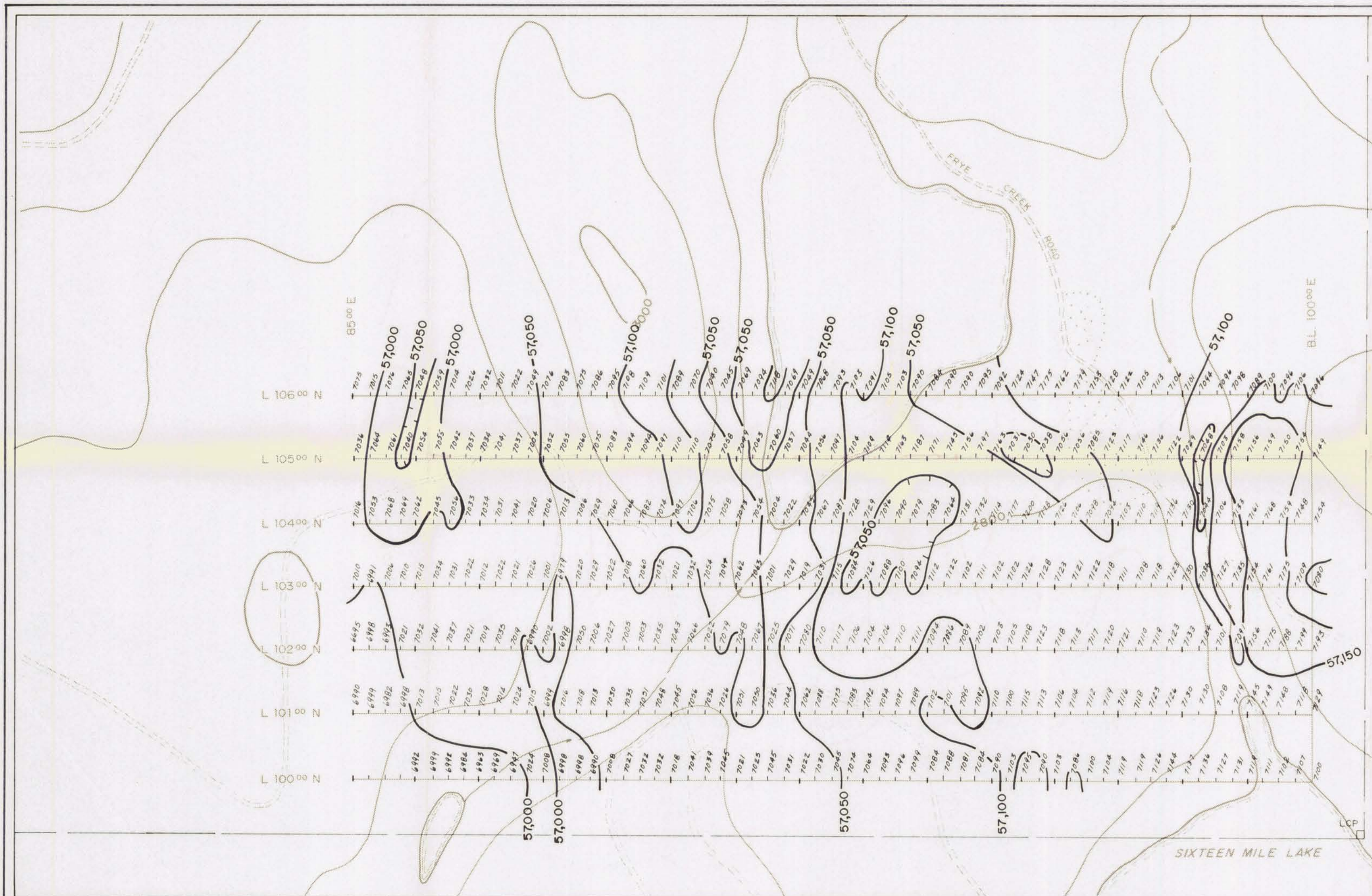
PLACER DOME INC.

PROJECT NO: 136

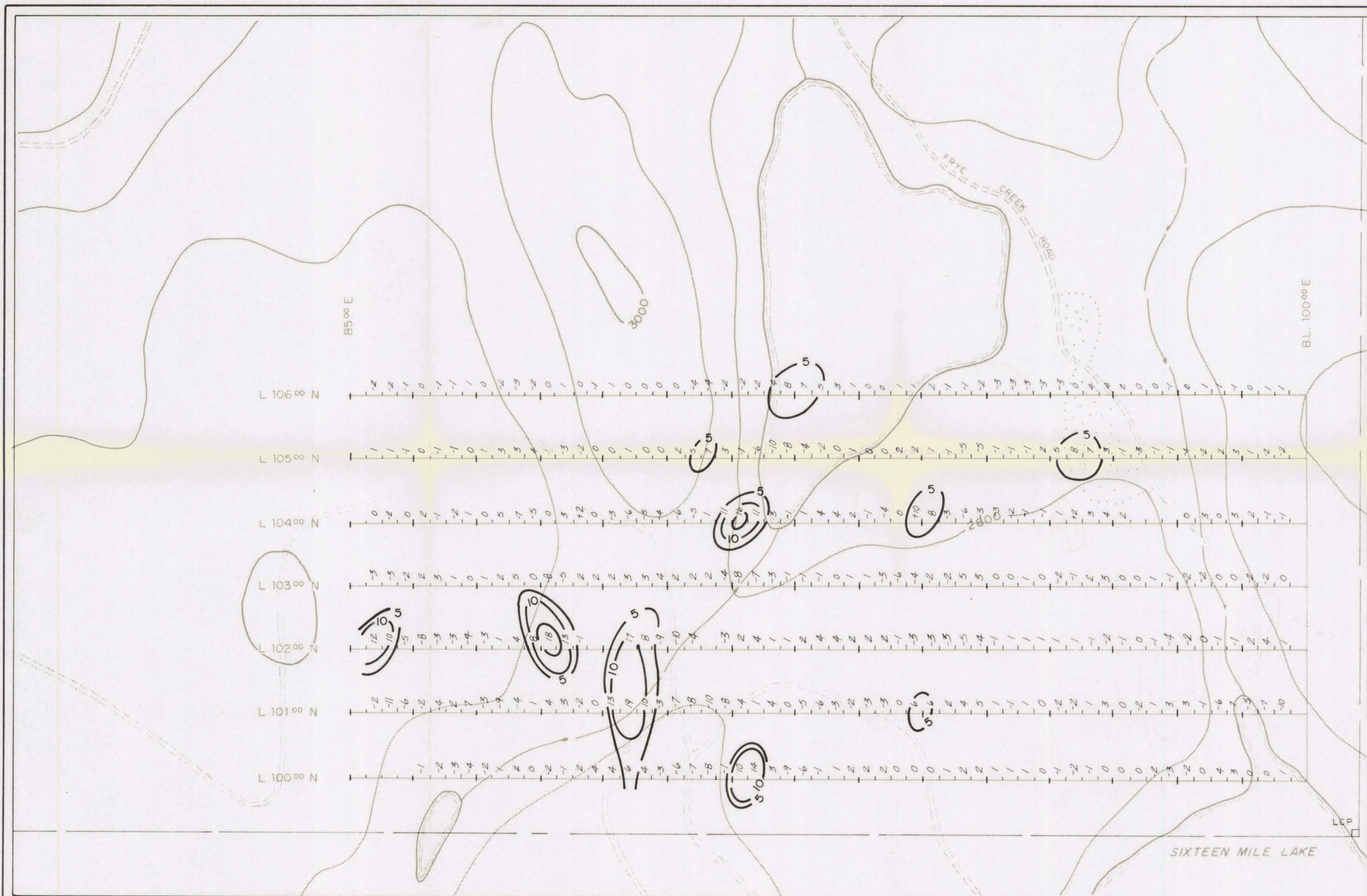
BEAVER 1 CLAIMS B.C.

MOUSE MOUNTAIN PROPERTY  
MAGNETOMETER SURVEY

SCALE	DATE	BY	N.T.S. No.	DWG No.
1:5000	28-03-89	GG	93B/16	3







4 - Fraser Filter Data  
Positive Facing West

Grid Line and Station

LCP Claim Boundary and  
Legal Corner Post

CONTOURS

15  
10  
5

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**18,728**

600m 0 200 600 1000m  
SCALE 1:5000

PLACER DOME INC.				
PROJECT NO: 136		BEAVER 1 CLAIMS B.C.		
MOUSE MOUNTAIN PROPERTY V.L.F. SURVEY				
SCALE	DATE	BY	N.T.S. NO.	DWG NO.
1:5000	28-03-89	pm RM	93B / 16	4