

LOG NO: 12-04	RD.
ACTION:	
FILE NO:	

FOX GEOLOGICAL CONSULTANTS LTD.

PROJECT 138

GEOCHEMICAL REPORT FOR THE GREEN PROSPECT

GREEN 1 CLAIM

OMINECA MINING DIVISION

**SUB-RECORDER
RECEIVED**
NOV 29 1990
M.R. #..... \$.....
VANCOUVER, B.C.

BRITISH COLUMBIA

NTS 93F/6

53°18'N 125°09W

by

G. N. Goodall, B.Sc.

FOX GEOLOGICAL CONSULTANTS LTD.
1409 - 409 Granville Street
Vancouver, B.C. V6C 1T8

Work paid for by

Placer Dome Inc.
16th Floor - 1055 Dunsmuir Street
Vancouver, B.C. V7X 1P1

November 15, 1990

20,567

GEOLOGICAL BRANCH
ASSESSMENT REPORT

TABLE OF CONTENTS

	Page
SUMMARY	1
CONCLUSIONS AND RECOMMENDATIONS	1
INTRODUCTION	2
LOCATION AND ACCESS	2
CLAIM INFORMATION	2
WORK PROGRAM	5
GEOLOGY	5
RESULTS	7
DISBURSEMENTS	8
CERTIFICATE	9

List of Tables

Table I - Claim Information	2
-----------------------------------	---

List of Figures

	Page
FIGURE 1 - Location Map	3
FIGURE 2 - Claim Map	4
FIGURE 3 - Regional Geology	6
FIGURE 4 - Rock and Soil Geochemistry - Ag, Au	pocket

Appendices

APPENDIX I - Analytical Results and Field Data	10
------------------------------------------------------	----

SUMMARY

This report summarizes the results of a soil sampling program on the Green 1 mineral claim located 120 kilometres southwest of Vanderhoof, B.C. in the Omineca Mining Division. Sampling work included the collection of 15 soil samples and 8 rock samples. All samples were analyzed for 30 elements by ICP methods and for gold by geochemical FA-AA methods.

The soil geochemical samples returned weakly anomalous contents of silver, with a high of 1.7 ppm Ag. One rock that was sampled, a pyritic quartz diorite, returned anomalous concentrations of lead and zinc.

CONCLUSIONS AND RECOMMENDATIONS

A few soil samples returned anomalous concentrations of silver locally. Rock samples in the area were generally not anomalous.

Due to the limited scope of this survey, a more thorough evaluation of the property should be undertaken to determine the potential of the area.

INTRODUCTION

This report provides information on a soil sampling program conducted on the Green 1 claim located southwest of Vanderhoof, B.C. The claim was staked in September, 1989 to cover drainages from which anomalous concentrations of silver were obtained from silt samples. The claims adjoin the north side of the Capoose silver prospect owned by Granges Exploration Ltd.

LOCATION AND ACCESS

The Green claim is situated in a valley, four kilometres north of Fawnie Nose and 125 kilometres southwest of Vanderhoof, B.C. (Figure 1). The centre of the claim block is at 53°18'N, 125°09'W on NTS mapsheet 93F/6. The claims are accessed via helicopter from a staging point on the Kluskus Forest Service Road, 145 kilometres southwest of Vanderhoof.

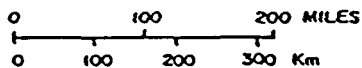
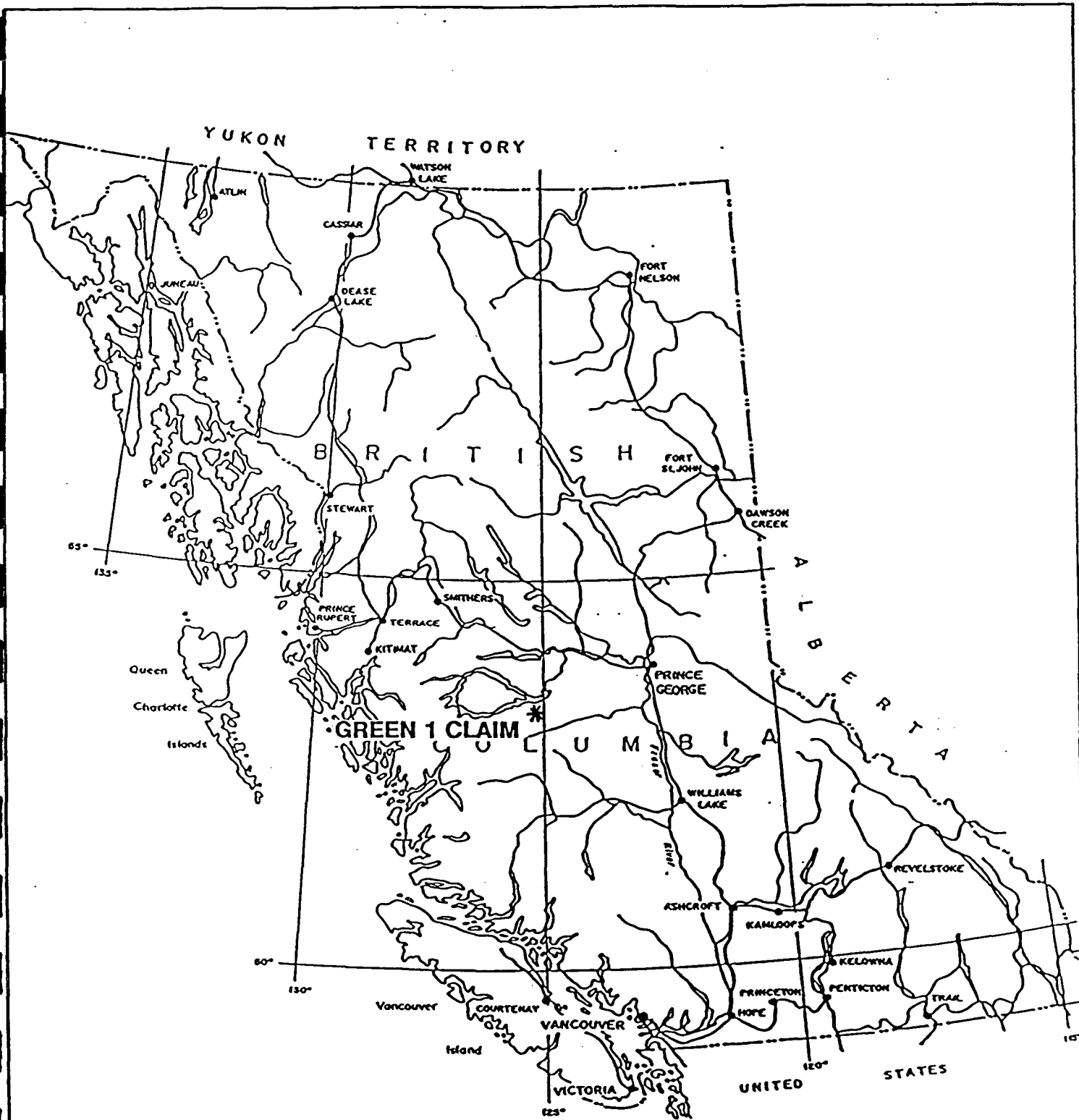
Local terrain consists of precipitous, rocky slopes on the north and south sides of a lake-filled valley in the centre of the claim.

CLAIM INFORMATION

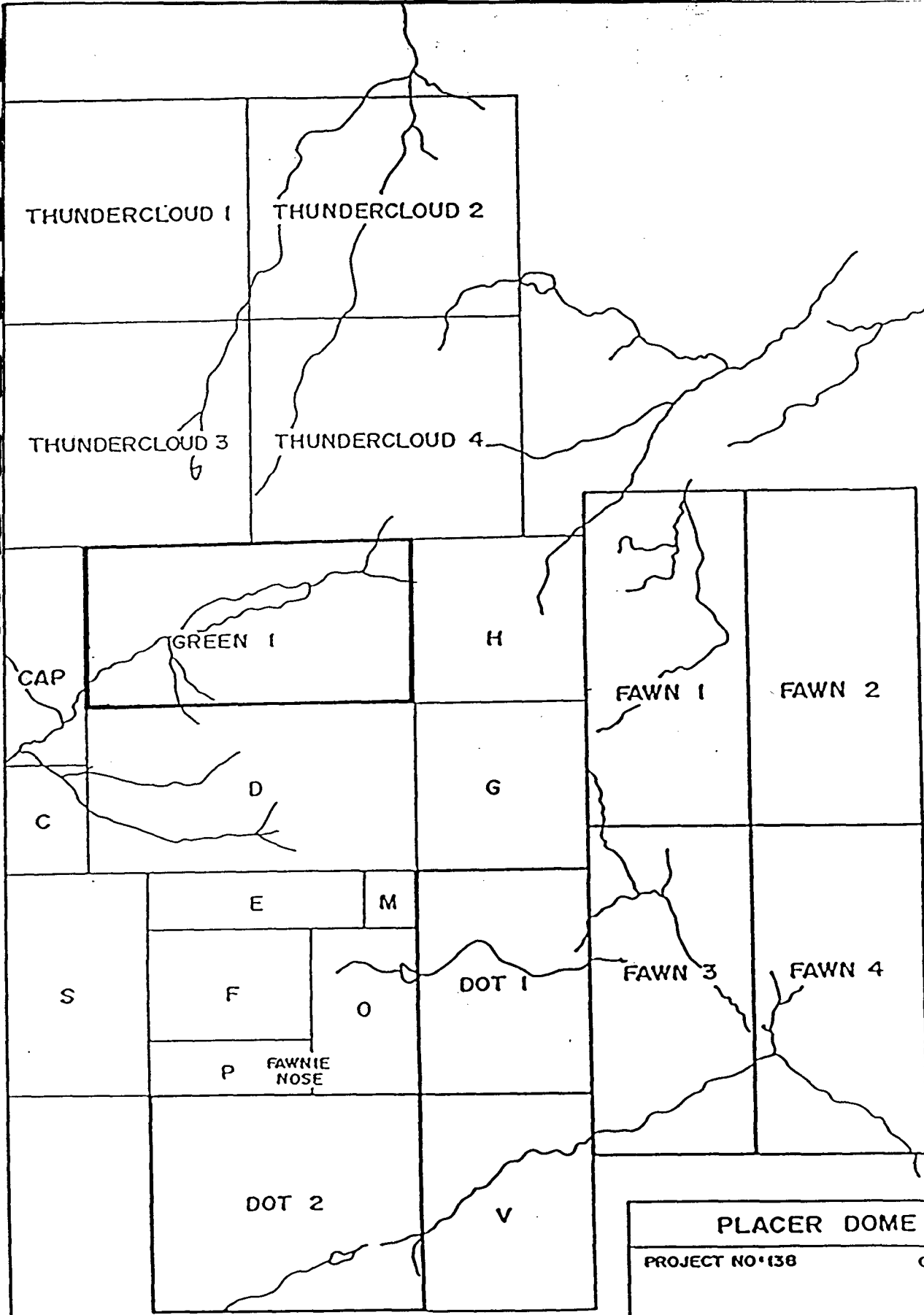
The Green prospect consists of one mineral claim totalling 18 units situated within the Omineca Mining Division on NTS mapsheet 93F/6. Claim data is given in Table I and a claim map in Figure 2. The expiry date assumes that present work is accepted for assessment purposes.

Table I
Claim Information

Claim Name	Record No.	Units	Expiry Date
Green 1	11126	18	Sept. 20, 1991



PLACER DOME INC			
PROJECT NO' 138		OMINECA M.D.	
PROPERTY LOCATION PLAN			
GREEN 1 CLAIM			
DATE	SCALE	NTS	FIG
20/11/89	1:50,000	93 F/6	1



PLACER DOME INC			
PROJECT NO*138		OMINECA M.D.	
CLAIM MAP GREEN CLAIM			
DATE	SCALE	NTS	FIG
20/11/89	1"=50,000	93 F/6	2

WORK PROGRAM

The 1990 work program consisted of conducting preliminary soil sampling in the vicinity of anomalous stream sediment samples taken in previous years and prospecting rock exposures on ridge tops and float along the valley floor.

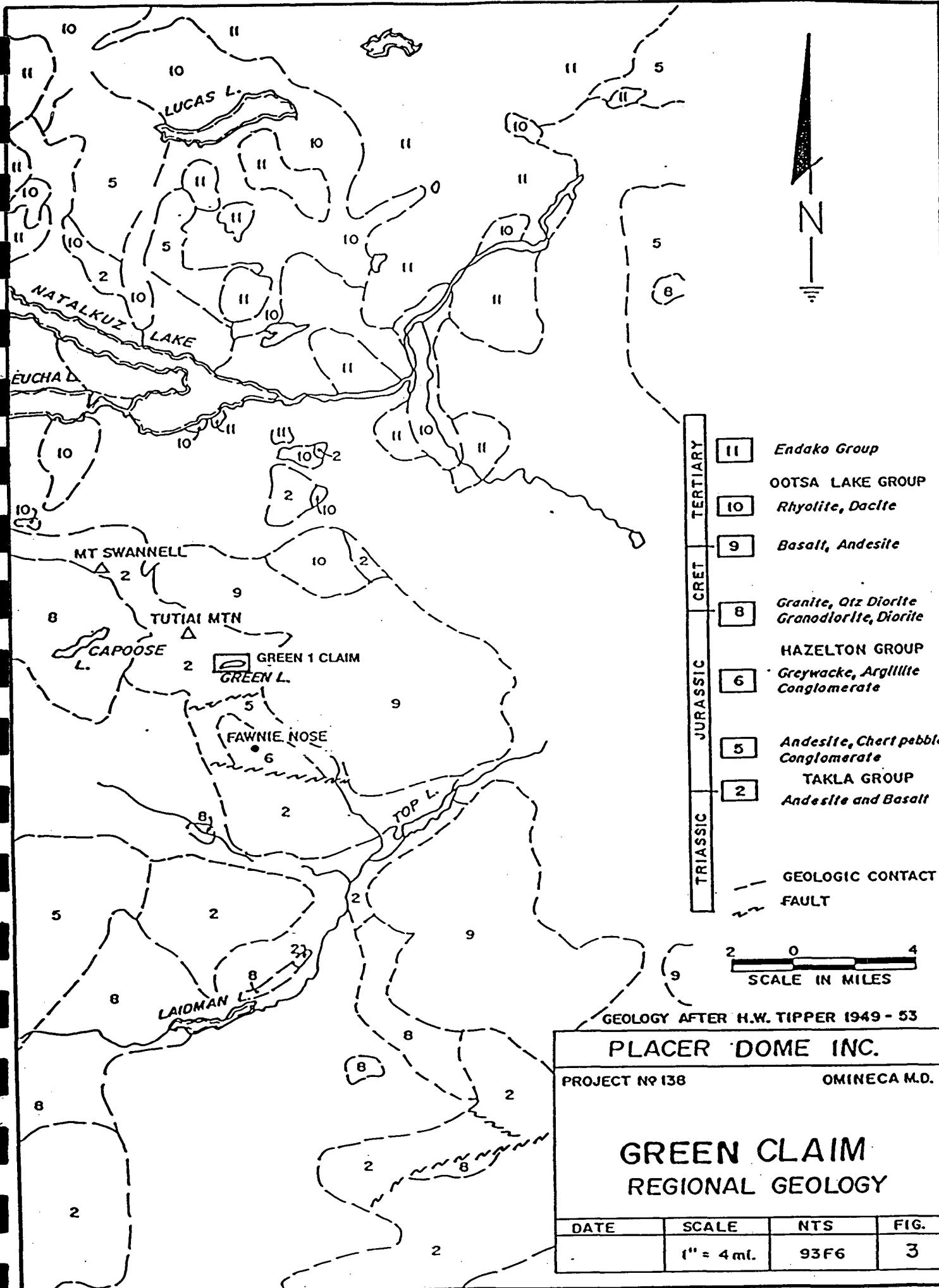
Fifteen soil samples and eight rock samples were collected along a trail following the south shore of Green Lake. Soil samples were collected from "B" horizons where possible at 50-metre intervals. Rock samples were specimens of either bedrock or float material. All samples were sent to Acme Analytical Laboratories Ltd. in Vancouver, B.C. A -100 mesh fraction of the sample was analyzed for 30 elements using ICP methods. The principle elements of interest (Cu, Pb, Zn, Ag, Ca, Ni, Co, Fe, As, Au) along with field observations are provided in Appendix I.

GEOLOGY

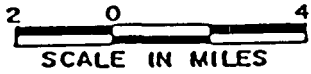
The Fawnie Range is composed of moderately deformed, steep dipping Upper Triassic to Lower Jurassic Takla Group rocks in fault contact with a northwest trending sequence of synclinally folded lower to middle Jurassic Hazelton Group rocks (Figure 3). The granitic Capoose batholith of Cretaceous or Tertiary age intrudes both groups of rocks. Ootsa Lake Group rocks of Cretaceous or Tertiary age blanket the eastern portion of the region.

In the Green Lake area, Takla Group rocks consist of andesitic and basaltic flows, tuffs, breccias interbedded argillite and minor limestone. Hazelton Group rocks are characterized by andesite and related tuffs and breccias, chert pebble conglomerate, shale and sandstone. Basaltic to rhyolitic flows, tuffs and breccias of the Ootsa Lake Group occur locally but were not observed on the Green 1 claim.

The Triassic and Jurassic age rocks are metamorphosed to greenschist facies except where pronounced metamorphic effects are seen near plutons. Hazelton Group rocks are characterized by open folds with dips up to 45°. In the vicinity of the Capoose prospect, rocks are synclinally folded about a northwest-trending axis.



- | | | |
|----------|-------------------------------------|-----------------------------------------------|
| TERTIARY | 11 | Endako Group |
| | OOTSA LAKE GROUP | |
| | 10 | Rhyolite, Dacite |
| CRET. | 9 | Basalt, Andesite |
| | 8 | Granite, Qtz Diorite
Granodiorite, Diorite |
| JURASSIC | HAZELTON GROUP | |
| | 6 | Greywacke, Argillite
Conglomerate |
| | 5 | Andesite, Chert pebble
Conglomerate |
| TRIASSIC | 2 | TAKLA GROUP
Andesite and Basalt |
| | --- GEOLOGIC CONTACT
- - - FAULT | |



GEOLOGY AFTER H.W. TIPPER 1949 - 53

PLACER DOME INC.			
PROJECT Nº 138		OMINECA M.D.	
GREEN CLAIM REGIONAL GEOLOGY			
DATE	SCALE	NTS	FIG.
	1" = 4 ml.	93F6	3

RESULTS

Results of the limited sampling on the Green 1 claim were generally low in all indicator elements. Several of the soil samples returned anomalous concentrations of silver (>1.0 ppm) but were not confined to any one area. Results are plotted in Figure 4 and tabulated in Appendix I.

Rock samples collected were dominantly of float material probably originating on the cliff sides directly above the sample line. Rock types encountered consisted of buff-weathered pyritic andesite and pyritic dolomite of the Jurassic Hazelton Group and quartz diorite from the Cretaceous Capoose batholith. Anomalous concentrations of lead (226 ppm) and zinc (196 ppm) were recovered from the sample of quartz diorite.

DISBURSEMENTS

Work on the Green 1 claim was done in conjunction with other work in the area. Transportation and camp costs have been apportioned accordingly.

Salaries

G. Goodall - Geologist	1 day @ \$360.00	
R. Roe - Sampler	1 day @ <u>\$250.00</u>	610.00

Accommodation and Board

Two man days @ \$50/day		100.00
-------------------------	--	--------

Geochemical Analyses

15 soil samples @ \$6.25	93.75	
8 rock samples @ \$13.75	<u>110.00</u>	203.75

Field Supplies

75.00

Report Preparation

350.00

Helicopter Support

1.5 hours @ \$675/hour		<u>1,012.50</u>
------------------------	--	-----------------

Total Disbursements**\$ 2,351.25**

Prepared by:

FOX GEOLOGICAL CONSULTANTS LTD.

Geoff N. Goodall, B.Sc.**November 15, 1990**

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 am a Fellow of the Geological Association of Canada.



Geoffrey N. Goodall, B.Sc.

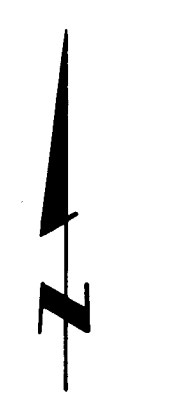
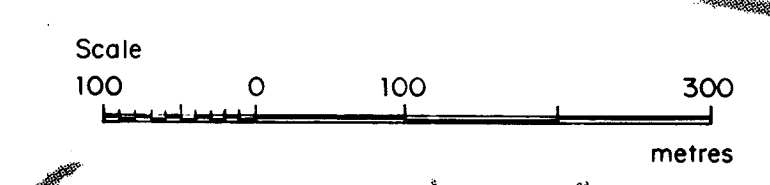
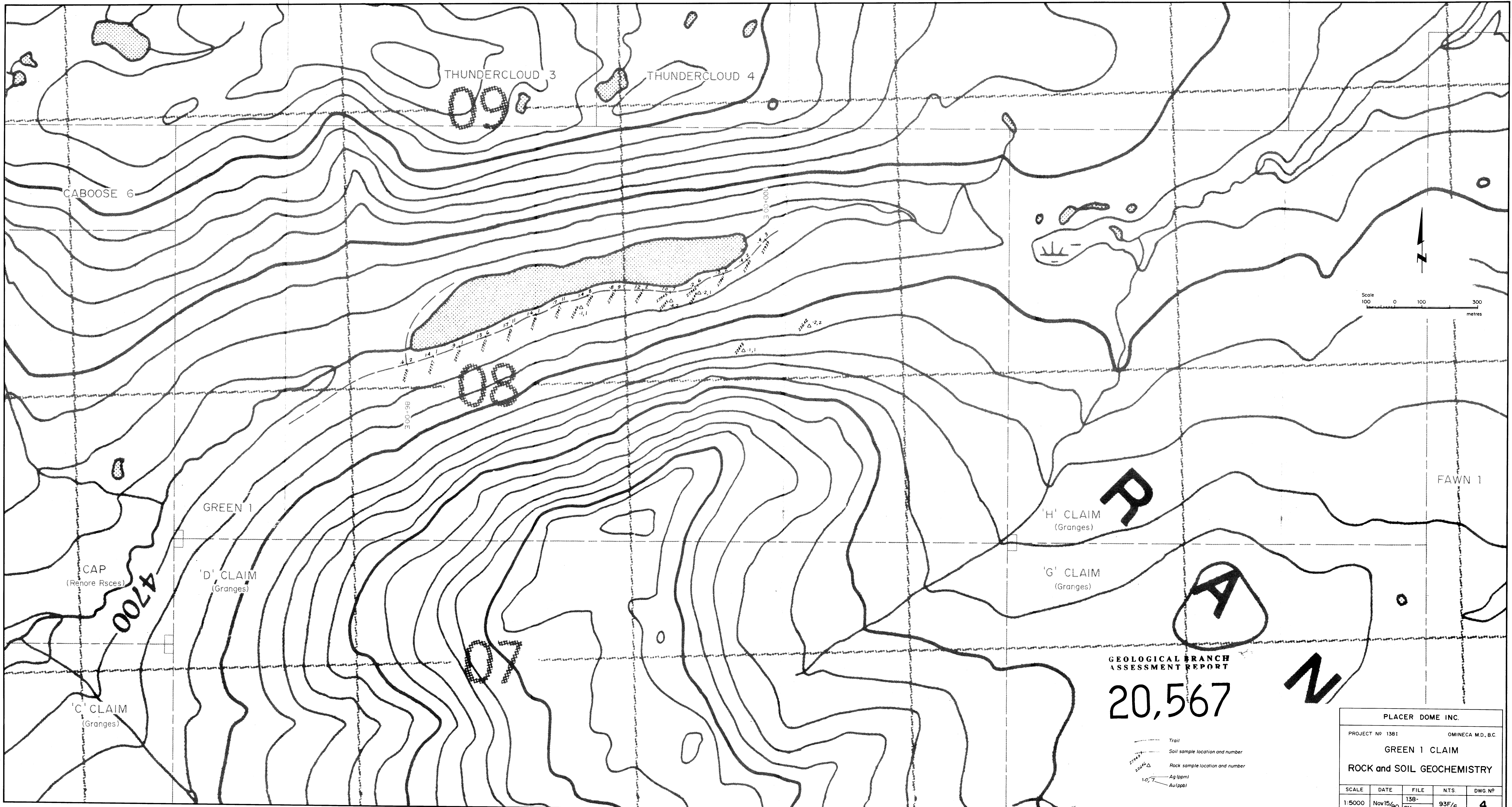
November 15, 1990

A P P E N D I X I

Analytical Results and Field Data

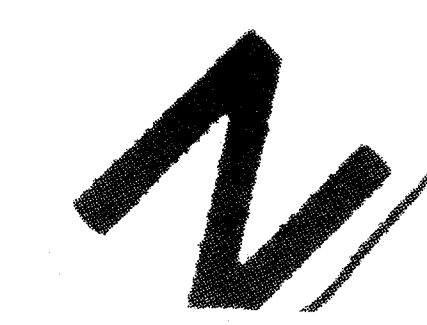
Project 138
 GREEN Property
 1990 Geochemical Results

Sample	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Ca (%)	Ni (ppm)	Co (ppm)	Fe (%)	As (ppm)	Au (ppb)	Sample Type	Remarks	Grid	North	East
22642	44	27	28	0.2	2.12	19	31	7.20	10	2	GRAB	ANDESITE W/20%PY			
22643	11	3	5	0.1	0.03	7	1	1.60	9	1	GRAB	MARBLE? W/ PYRITE.			
22646	74	14	61	0.1	2.11	14	22	7.27	7	1	GRAB	ANDESITE? W/ 10% PYRITE	10000		9290
22645	50	12	48	0.4	1.12	8	8	3.50	10	2	GRAB	DOLOMITE W/ PY&CP TO 5%	10000		9600
22644	7	226	196	0.2	0.63	2	1	0.90	6	1	GRAB	QUARTZ DORITE W/ TRACE PY	10000		9700
24738	121	17	51	0.6	0.06	5	3	3.99	6	2	SOIL	NEXT TO GREEN LAKE	10000		8600
24737	80	60	92	1.4	0.03	6	3	8.14	14	1	SOIL		10000		8700
24736	43	68	137	0.9	0.08	8	3	9.02	16	1	SOIL	NEXT TO GREEN LAKE	10000		8800
27950	42	94	106	1.3	0.09	5	4	8.72	10	6	SOIL	NEXT TO GREEN LAKE	10000		8900
27949	44	87	104	1.7	0.11	3	3	7.76	16	11	SOIL	NEXT TO GREEN LAKE	10000		9000
27948	38	81	72	1.6	0.07	4	3	6.52	17	1	SOIL	NEXT TO GREEN LAKE	10000		9100
27947	74	88	133	0.7	0.19	7	7	9.24	22	11	SOIL	NEXT TO GREEN LAKE	10000		9200
27946	40	74	89	1.4	0.14	6	5	6.95	14	8	SOIL	NEXT TO GREEN LAKE	10000		9300
27945	72	68	125	0.8	0.11	8	6	8.77	18	9	SOIL	NEXT TO GREEN LAKE	10000		9400
27944	36	61	106	1.2	0.07	6	6	6.51	13	2	SOIL	NEXT TO GREEN LAKE	10000		9500
27943	56	59	166	1.0	0.85	10	13	6.39	12	7	SOIL	NEXT TO GREEN LAKE	10000		9600
27942	48	59	180	0.2	0.36	10	11	6.83	11	6	SOIL	NEXT TO GREEN LAKE	10000		9700
27941	31	20	101	0.3	0.21	8	6	4.50	4	2	SOIL	NEXT TO GREEN LAKE	10000		9800
27940	23	15	87	0.4	0.62	11	12	3.73	6	2	SOIL	NEXT TO GREEN LAKE	10000		9900
27939	26	14	77	0.3	0.67	5	6	3.23	6	3	SOIL	NEXT TO GREEN LAKE.	10000		10000



GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,567



PLACER DOME INC.				
PROJECT NO 1381		OMINECA M.D., B.C.		
GREEN 1 CLAIM				
ROCK and SOIL GEOCHEMISTRY				
SCALE	DATE	FILE	NTS.	DWG NO
1:5000	Nov15/90	138- BY:	93F/6	4