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

FOX GEOLOGICAL CONSULTANTS LTD.

PROJECT 138

GEOCHEMICAL REPORT FOR THE DOT PROSPECT

DOT 1 AND 2 CLAIMS

OMINECA MINING DIVISION

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

BRITISH COLUMBIA

NTS 93F/6

53°15'N 125°09W

by

G. N. Goodall, B.Sc.

FOX GEOLOGICAL CONSULTANTS LTD.
1409 - 409 Granville Street
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Work paid for by

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Vancouver, B.C. V7X 1P1

November 15, 1990

20,595

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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SUMMARY

This report summarizes the results of soil sampling program on the Dot 1 and 2 mineral claims located 120 kilometres southwest of Vanderhoof, B.C. in the Omineca Mining Division. Sampling work included the collection of 27 soil samples and 5 rock samples. All samples were analyzed for 30 elements by ICP methods and for gold by geochemical FA-AA methods.

The soil geochemical samples locally returned weakly to moderately anomalous contents of silver and gold. Two rock samples returned concentrations greater than 1 ppm silver with a maximum silver content of 243.7 ppm. Geological mapping was restricted to ridge tops as these are the only areas of significant bedrock exposure. The dominant rock type is Hazelton Group volcanic flows and breccias of Jurassic age. An outcrop of quartz monzonite was noticed at one locality.

CONCLUSIONS AND RECOMMENDATIONS

A few soil samples returned anomalous concentrations of silver and zinc locally. Two of the five rock samples were anomalous with respect to silver and zinc but were of float material probably derived from the Capoose deposit.

Due to the limited scope of the survey and the moderately encouraging results, 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 Dot 1 and 2 claims located southwest of Vanderhoof, B.C. The claims were staked in September, 1989 to cover drainages from which anomalous concentrations of silver were obtained from silt samples. The claims adjoin the south and east sides of the Capoose silver prospect owned by Granges Exploration Ltd.

LOCATION AND ACCESS

The Dot 1 and 2 claims are situated on a hillside, two kilometres north of Fawnie Nose and 125 kilometres southwest of Vanderhoof, B.C. (Figure 1). The centre of the claim block is at 53°15'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.

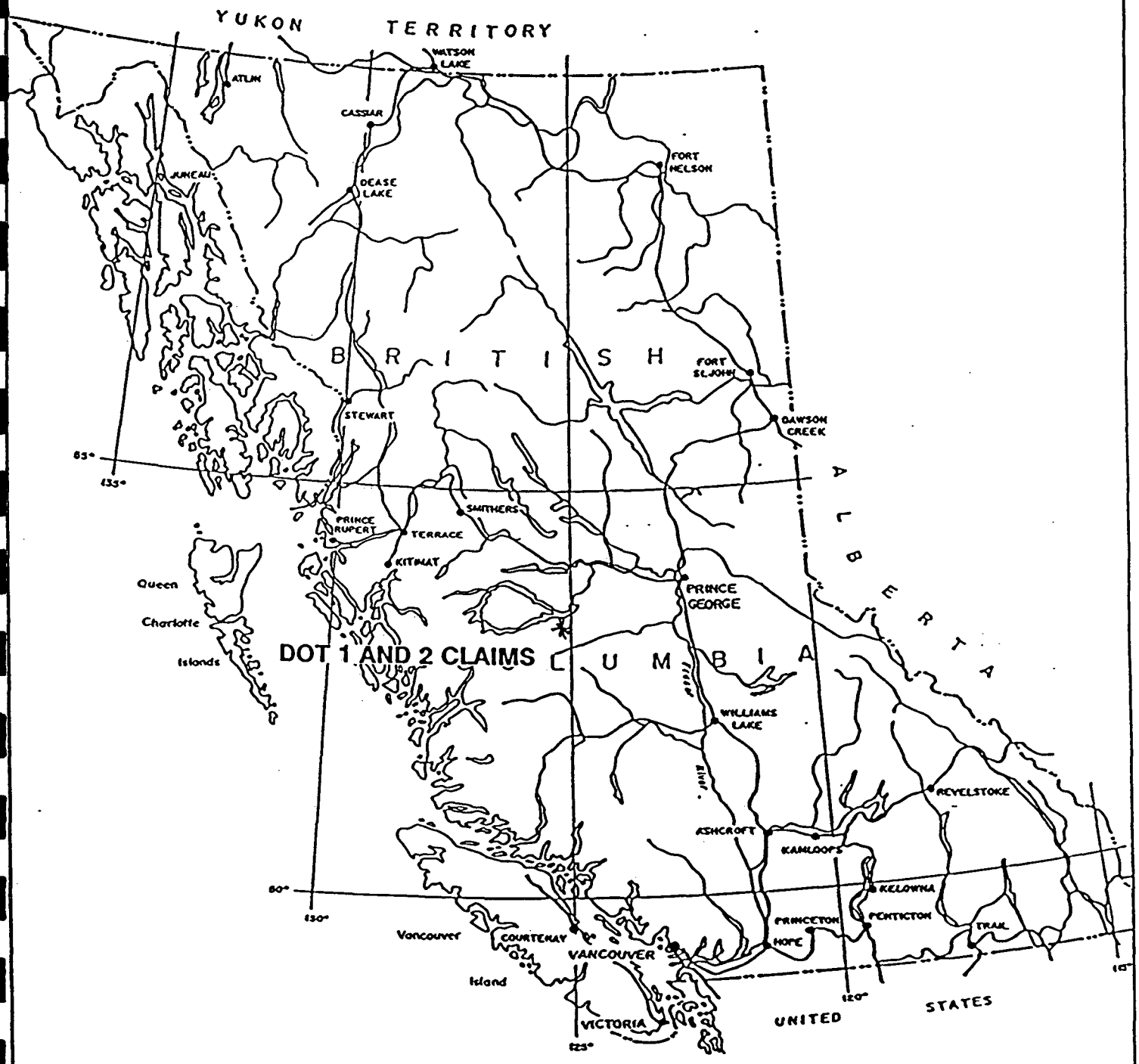
Local terrain consists of subalpine to alpine meadows with rocky ridges occurring at higher elevations in the central and western portion of the claims.

CLAIM INFORMATION

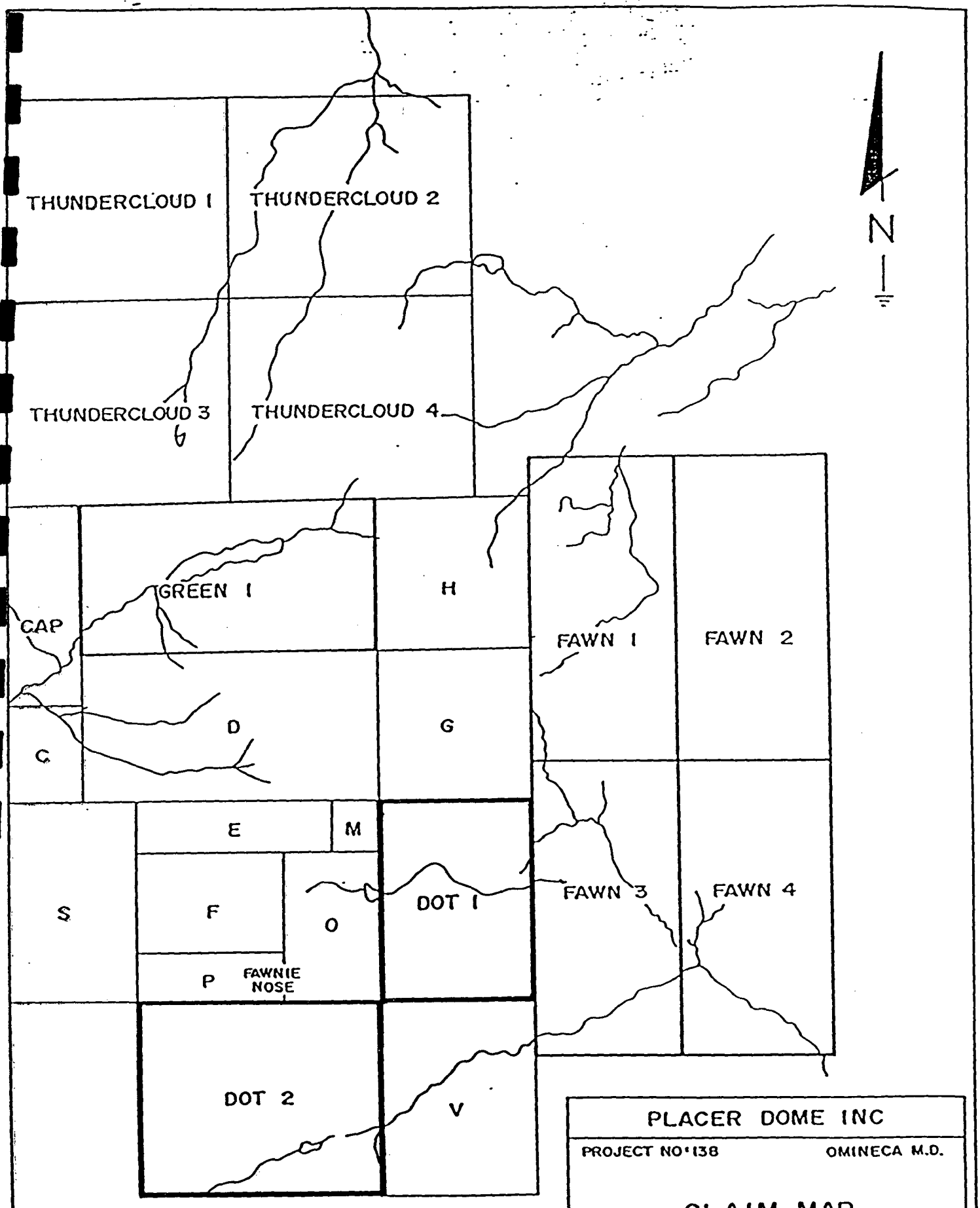
The Dot prospect consists of two mineral claims totalling 32 units situated within the Omineca Mining Division on NTS mapsheet 93F/6. Claim data is given in Table I and a claim map in Figure 2. Expiry dates assume that present work is accepted for assessment purposes.

Table I
Claim Information

Claim Name	Record No.	Units	Expiry Date
Dot 1	11127	12	Sept. 23, 1991
Dot 2	11128	20	Sept. 23, 1991



PLACER DOME INC			
PROJECT NO: 138		OMINECA M.D.	
PROPERTY LOCATION PLAN DOT 1 AND 2 CLAIMS			
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
DOT CLAIMS

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.

Twenty-seven soil samples and five rock samples were collected along old grid lines in the central portion of the claims. 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, Ni, Mn, As, Ca, Au) along with field observations are provided in Appendix I.

GEOLOGY

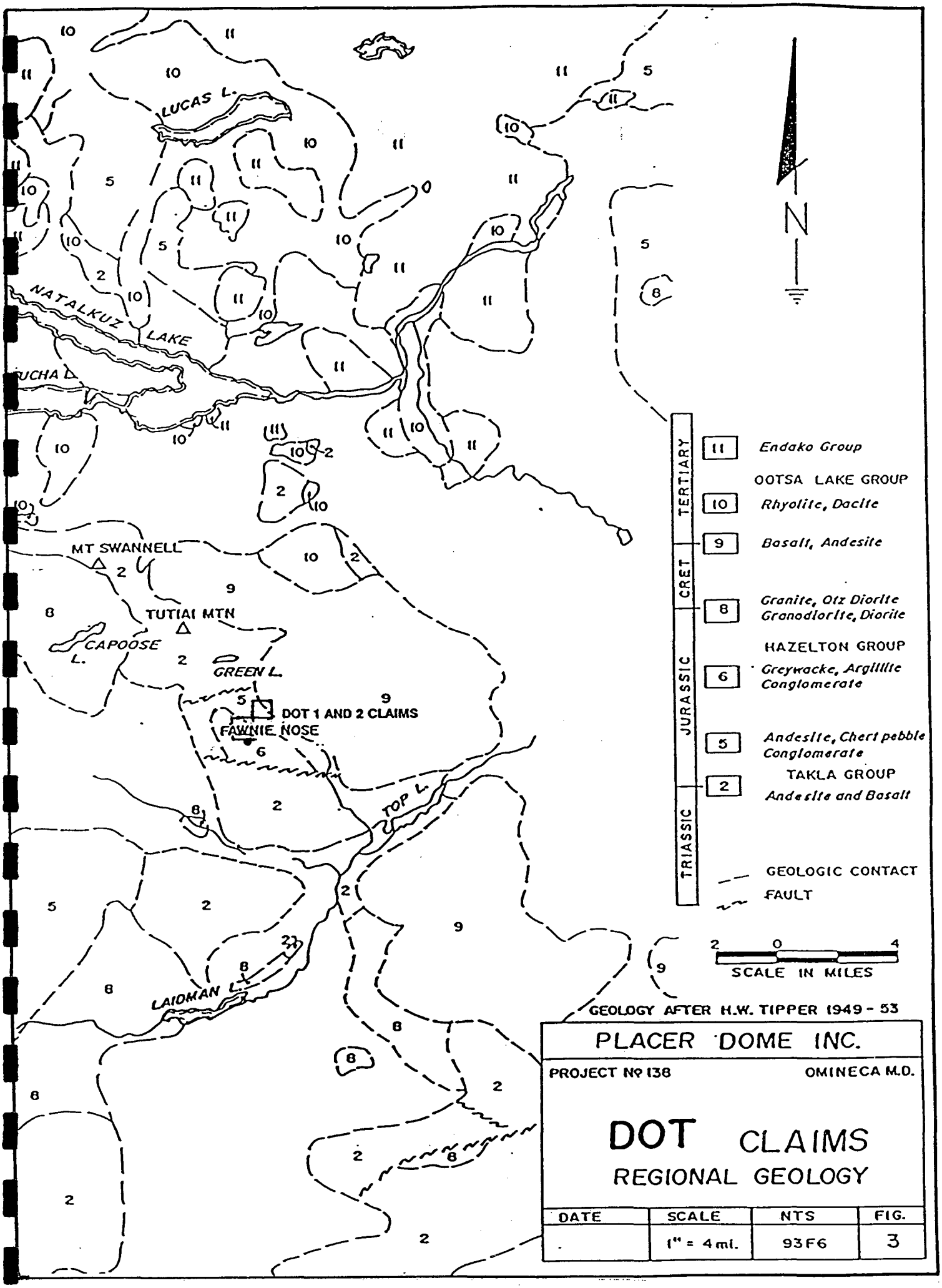
The Fawnie Range is composed of steep dipping Upper Triassic to Lower Jurassic Takla Group rocks in fault contact with a northwest-trending sequence of synclinally folded lower to middle Jurassic Hazelton Group rocks (Figure 3). The granitic Capoose batholith of Cretaceous or Tertiary age intrudes both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

In the Dot prospect 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.

The Triassic and Jurassic age rocks are metamorphosed to greenschist facies except where pronounced metamorphic effects are seen near plutons. Hazelton Group is 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.

RESULTS

Several of the soil samples returned anomalous values of silver (>1.0 ppm Ag), with a high concentration of 3.4 ppm Ag associated with 46 ppb Au. A rock samples of rhyolite



GEOLOGY AFTER H.W. TIPPER 1949 - 53

PLACER DOME INC.

PROJECT Nº 138 OMINECA M.D.

DOT CLAIMS
REGIONAL GEOLOGY

DATE	SCALE	NTS	FIG.
	1" = 4 mi.	93F6	3

float returned concentrations of 243.7 ppm Ag and 2,010 ppb Au. The source for this samples probably outcrops on the Capoose property immediately west of the Dot claims. Result are plotted in Figure 4 and tabulated in Appendix I.

DISBURSEMENTS

Work was conducted on the Dot claims in conjunction with other work in the area and costs are apportioned accordingly and listed below.

Salaries			
G. Goodall - Geologist	1.0 day @ $360	360.00	
R. Roe - Sampler	1.0 day @ $250	250.00	
J. MacRae - Sampler	1.0 day @ $250	250.00	
J. Goodall - Sampler	1.0 day @ $250	250.00	$ 1,110.00
Accommodation and Board			
4 man-days @ $50/day			200.00
Geochemical Analyses			
27 soil samples @ $6.25		156.25	
5 rock samples @ $13.75		68.75	225.00
Report Preparation			500.00
Helicopter Support			
1.5 hours @ $675/hour			1,021.50
Total Disbursements			$ 3,047.50

Prepared by:

FOX GEOLOGICAL CONSULTANTS LTD.

G. N. Goodall, B.Sc.
November 15, 990

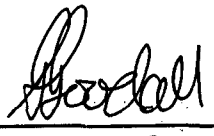
CERTIFICATE

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

APPENDIX I

Analytical Results and Field Data

Project 138
DOT 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
22640	52	11	118	0.3	1.16	16	19	5.75	6	1	GRAB	CALCEREOUS BASALT W/TRACE OF PY			
22641	31	5	73	0.2	4.06	12	15	3.86	2	1	GRAB	CALC,BASALT W/PY			
22647	62	716	206	243.7	0.03	4	1	0.72	96	2010	GRAB	ALTERED RHYOLITE W/ PYRITE			
22648	32	13	59	0.6	0.61	7	22	5.13	7	1	GRAB	CLAY ALTERED RHYOLITE W/ 10% PY.			
22649	352	293	1013	12.1	0.01	5	3	5.36	37	1	GRAB	CHERTZ SILTSTONE W/ TRACE PY.MALACIT			
24739	23	15	52	0.4	0.12	10	6	4.11	18	2	SOIL			9900	10000
24740	14	17	54	0.1	0.16	10	5	3.12	13	1	SOIL			9900	10050
24741	9	22	101	0.4	0.70	13	7	1.68	8	1	SOIL			9900	10100
24742	14	13	122	0.1	0.43	14	7	2.73	13	1	SOIL			9900	10150
24743	21	11	149	0.5	0.47	16	9	3.59	12	1	SOIL			9900	10200
24744	16	12	45	0.1	0.13	11	5	3.76	14	1	SOIL			9900	10250
24745	16	15	56	0.5	0.31	12	7	3.48	13	1	SOIL			9900	10300
24746	25	22	106	0.1	0.30	22	10	3.12	23	2	SOIL	NEXT TO CREEK		9900	10350
24747	17	16	87	0.1	0.42	14	8	2.24	9	1	SOIL			9900	10400
24748	27	38	189	1.1	0.52	26	13	3.21	25	2	SOIL			9900	10450
24749	18	24	235	1.1	0.83	17	8	2.71	12	1	SOIL			9900	10500
24750	35	9	89	0.2	0.43	28	15	3.59	9	2	SOIL			9900	10550
30085	7	20	52	0.1	0.22	10	5	2.98	6	1	SOIL			10000	10000
30086	9	32	43	0.3	0.17	4	3	1.14	2	1	SOIL			10000	10050
30087	15	20	85	0.6	0.31	13	9	2.52	2	3	SOIL			10000	10100
30088	8	15	41	0.2	0.08	4	4	2.64	4	1	SOIL			10000	10150
30089	17	19	84	0.6	0.23	11	9	4.88	9	1	SOIL			10000	10200
30090	39	115	582	3.4	0.31	8	5	2.12	20	46	SOIL			10000	10250
30091	9	24	47	0.1	0.10	6	5	2.80	2	2	SOIL			10000	10300
30092	10	24	61	0.2	0.21	8	5	3.08	4	1	SOIL			10000	10350
30093	14	24	97	1.6	0.40	10	7	2.77	6	2	SOIL			10000	10400
30094	30	29	273	3.0	1.12	14	8	2.65	5	3	SOIL			10000	10450
30095	32	14	351	1.6	1.71	11	8	2.41	26	3	SOIL			10000	10500
30096	15	8	116	0.5	2.10	9	8	2.15	4	3	SOIL			10000	10550
30097	25	22	116	1.7	1.11	13	10	2.75	2	2	SOIL			10000	10600
30098	16	7	80	2.9	3.46	8	3	0.67	2	1	SOIL			10000	10650
30099	18	11	97	0.6	0.36	16	11	3.28	2	1	SOIL			10000	10700

'C' CLAIM

'D' CLAIM

'G' CLAIM

FAWN 1

FAWN 3

'S' CLAIM

'E' CLAIM

'M' CLAIM

'F' CLAIM

'N' CLAIM

06

05

04

03

5400

5400

5000

Fawnie Nose

'P' CLAIM

'O' CLAIM

DOT 1

DOT 2

'V' CLAIM (Granges)

FAWN 3

N

Scale
100 0 100 300
metres

DOT 1 Claim name
Claim line, legal corner posts
Rock sample location, sample number
Soil grid, sample station and number
Silver (ppm), Gold (ppb)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,565

PLACER DOME INC.

PROJECT Nº 1381 OMINECA M.D., B.C.

DOT CLAIMS

SOIL and ROCK GEOCHEMISTRY

SCALE	DATE	FILE	NTS	DWG. Nº
1:5000	Nov 15/90	138- BY: dlp GNG	93F/6	4