84-1146 - 13365

FOX GEOLOGICAL CONSULTANTS LTD

EUREKA GROUP
GEOLOGICAL AND GEOCHEMICAL REPORT

CARIBOO MINING DIVISION
NTS 93A/7E 52 18'N, 120 38'W

EM 1 TO 6, 11, 12
NS 1 AND 2
SF 1 TO 4
EN 1-6,14,28,29,104,105,106,107,109,129
CS 55 AND 56

by

R. W. ODDY, M.Sc.

FOX GEOLOGICAL CONSULTANTS LIMITED

410-675 West Hastings Street
Vancouver, B.C. V6B 1N2

Work paid for by

DOME EXPLORATION (CANADA) LIMITED

1 First Canadian Place
Toronto, Ontario

November 30, 1984

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MAPS

INTRODUCTION

The Eureka Peak property consists of 91 claims covering about 23 square kilometres on Eureka Peak Mountain in the Horsefly River region of central British Columbia. Porphyry copper mineralization, associated with granodiorite intrusive stocks, was discovered near Eureka Peak in 1958. The prospect has been explored intermittently by various companies including Helicon Exploration, Amax, Riocanex, Noranda and in 1981 by Umex Corporation. It has been shown that potential for a sizeable, low grade, porphyry copper deposit exists but that the deposit would presently be uneconomic due to low grades of copper mineralization.

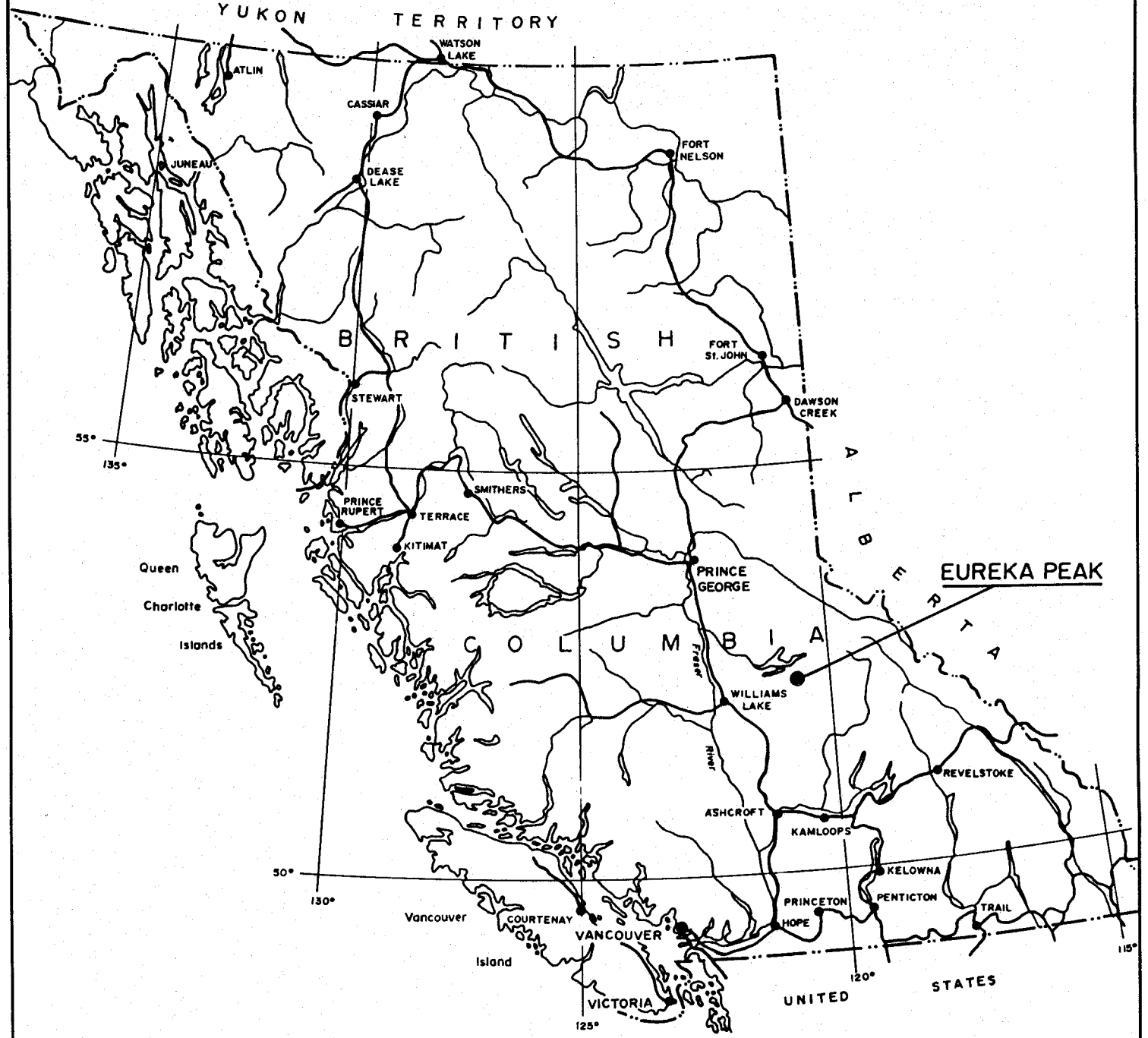
Work done by Umex in 1981 and Dome Exploration in 1983 resulted in the recognition of several areas of anomalous gold concentration in rock-chip geochemical samples.

The 1984 field program was concentrated on rock-chip sampling and examination of the geology and structures in cirques 2 and 3, in which the strongest gold anomalies were indicated from previous sampling. This report describes the results obtained from the 1984 sampling program.

LOCATION AND ACCESS

Eureka Peak is located about 112 kilometres (70 miles) east of Williams Lake (see Location Maps 1 and 2) in N.T.S. 93A/7. Eureka Peak Mountain forms a northwesterly trending mountain range between Crooked Lake on the southwest and MacKay River on the northeast. The peak is at 2,388 metres above sea evel (7,959 ft.) and the mountain range consists of a series of cirques and precipitous cliffs along the northeast side and moderately steep slopes on the southwestern side. The mountain range is snow covered for much of the year. The snow free period is generally between mid-June and late September.

Access to the property is by road from 150 Mile House via Horsefly to the junction of the MacKay and Horsefly Rivers and then by gravel road along the MacKay River Valley. Roads leading onto the property are steep, winding roads that require 4-wheel drive vehicles and provide access only to certain portions of the property. Access to the remainder of the property is via helicopter.



0 100 200 MILES
0 100 200 300 Km

DOME EXPLORATION (CANADA) LTD.

PROJECT 237 EUREKA PEAK, B.C.

PROPERTY LOCATION PLAN

FOX GEOLOGICAL CONSULTANTS LTD.

DATE		N.T.S.	Dwg. No.
NOV. '84		93A/7E	1

CLAIMS

The property consists of 31 claims encompassing 91 units covering an area of approximately 23 square kilometres (see Figure 2 - Claim Index and Location Map). All 91 units have been grouped, for assessment work purposes, into the Eureka Group. Expiry dates shown assume work described herein is accepted for assessment purposes.

Claim Name	No. of Units	Record No.	Expiry Date
EM 1	16	3367	April 2, 1987
EM 2	20	3368	April 2, 1987
EM 3	5	3369	April 2, 1987
EM 4	9	3370	April 2, 1987
EM 5	6	3371	April 2, 1987
EM 6	8	3372	April 2, 1987
EM 11	2	4219	January 11, 1987
EM 12	2	4215	January 11, 1987
NS 1	1	3373	April 2, 1987
NS 2	1	3374	April 2, 1987
SF 1	1	1688	May 30, 1987
SF 2	1	1689	May 30, 1987
SF 3	1	1690	May 30, 1987
SF 4	1	1691	May 30, 1987
EN 1	1	30398	August 5, 1987
EN 2	1	30399	August 5, 1987
EN 3	1	30400	August 5, 1987
EN 4	1	30401	August 5, 1987
EN 5	1	30402	August 5, 1987
EN 6	1	30403	August 5, 1987
EN 14	1	30477	August 5, 1987
EN 28	1	30646	Sept. 28, 1987
EN 29	1	30647	Sept. 28, 1987
EN 104	1	30618	August 30, 1987
EN 105	1	30619	August 30, 1987
EN 106	1	30620	August 30, 1987
EN 107	1	30621	August 30, 1987
EN 109	1	30623	August 30, 1987
EN 129	1	30611	August 30, 1987
CS 55	1	48017	October 24, 1987
CS 56	1	48018	October 24, 1987
TOTAL UNITS	91		

CLAIM INDEX AND LOCATION MAP

EUREKA PEAK PROPERTY

Cariboo M.D. N.T.S. 93A/7E

Scale: 1:50,000

Scale 0 1000 2000 metres

Figure 2

Hawkley Creek

MacKay River

Pegasus Creek

Cosmosky Creek

McKusky Creek

Frasergold Creek

52°20'N

120°40'W

EM 1

EM 2

EM 3

EM 4

EM 5

EM 6

SF1 SF2 SF3 SF4

EM11 EM12

EN109 EN106 EN107 EN129 EN104 EN105

EN29

EN6 EN5 EN4 EN3 EN1 EN2

Eureka Peak EN28

NS 2 NS 1 EN14

CS55 CS56

WORK AREA

1984 WORK PROGRAM

The 1984 field program, completed between August 28 and September 1, and on October 6, consisted of geochemical sampling of rock-chips in order to locate the source of the gold anomalies indicated by previous sampling. The sampling was concentrated in Cirques 2 and 3. A total of 112 rock-chip samples were collected, and shipped to Acme Analytical Laboratories in Vancouver for analysis. Each sample was pulverized to -100 mesh prior to acid digestion and subsequent analysis. The gold content was determined by a combination of fire assay and atomic absorption methods. Twenty-nine additional elements, including Ag, As, Cu, Mo, Sb, Pb and Zn, were determined by the I.C.P.(Inductively Coupled Argon Plasma) method. Complete analytical results and descriptions of the samples are included in the Appendix.

GEOLOGY

The Eureka Peak property lies near the eastern edge of the Quesnel Trough and the formations exposed on the property were thought, by previous workers, to be part of the Triassic-Jurassic Takla Group. However these rocks are not typical of the Takla rocks found in the central and western portions of the Quesnel Trough and may constitute a unique sequence of volcanic co-magmatic intrusive rocks of unknown age. The volcanics are moderately metamorphosed `greenstones' including augite porphyry breccias, chloritic schists, tuffs and tuff-breccias of mafic to intermediate composition. The intrusive stock is a granodioritic rock considerably richer in silica than alkaline intrusions typical of the Quesnel Trough. Underlying this wedge of volcanic and intrusive rocks are ultramafic to mafic intrusions and a thick sequence of phyllite of uncertain age. The ultramafic-phyllite sequence is likely older than the volcanic and may lie beneath a major fault along which the ultramafic bodies were intruded.

Copper mineralization and zonal alteration associated with the granodiorite stocks appears to be typical of the `porphyry copper' environment. Disseminated and veinlet hosted chalcopyrite, pyrite and pyrrhotite occur both within the intrusive rocks and the peripheral altered volcanic and sedimentary rocks. A fairly prominent gossan marks the `copper' zone and its pyritic halo. Based on rock-chip sampling by Riocanex and Amax, the main copper zone grades from 0.13% to 0.44% copper.

The presence of gold mineralization in the vicinity of the granodiorite stock and adjacent volcanics has been indicated by silt, soil and rock-chip geochemistry. Rock-chip samples carrying 1725 and 1350 ppb gold have been collected from narrow shear zones within the volcanic rocks. Most of the higher geochemical values occur within cirques 2 and 3 near Eureka Peak.

GEOCHEMICAL RESULTS

The gold values for all samples collected during the 1984 field program are shown on Figure 3. Five samples ran near or above 100ppb (0.1 gm/ton). The highest value of 550ppb gold was obtained from a mafic dyke, one sample (105ppb Au) from a black phyllite within the inter-volcanic sediments and three samples (210, 195 and 95ppb Au) from pyritic shear zones within the volcanics. The high samples occur at widely separated localities and no rock units or structures that are consistently high in gold have been found.

It appears that minor amounts of gold occur in shear zones, dykes, pyritic zones, etc. in the vicinity of the granodiorite stock, collectively giving rise to the silt/soil geochemical anomalies in cirques 2 and 3. No samples containing potentially economic levels of gold were collected during the 1984 sampling program.

The values for additional elements have not been plotted as there appears to be no useful anomalies or correlations with the gold distribution.

CONCLUSIONS AND RECOMMENDATIONS

On the basis of the geochemical results from the 1983 and 1984 sampling no additional sampling or prospecting can be recommended. All of the gold values from rock-chip sampling, with a single exception, ran well below 1.0 gm/ton (1000ppb) and no concentration of anomalous values in any specific area, rock unit or structure is apparent. The one location that ran over 1 gm/ton consists of two samples collected from a very narrow (a few centimetres) pyritic, shear zone in volcanic rocks. Samples collected nearby are all low in gold. It appears that the gold anomalies detected in silts, soils and talus samples have been derived from sub-economic concentrations of gold in shear zones and dykes in the vicinity of the granodiorite stock. No additional exploration work is recommended at this time.

1984 EXPENDITURES

Salaries:			
Aug.21-31, Sept.1-5, Oct.6-8 Travel and Field Time			
R.W. Oddy, M.Sc.	16 days @ $480	7,680	
R.S. Cameron, B.Sc	7 days @ $160	1,120	
G.N. Goodall, B.Sc.	7 days @ $136	952	$9,752.00
Accomodation and Board			813.60
Vehicle Rental and Gasoline: 4 wheel drive vehicle			333.01
Air Charter: Rotortech Helicopter #201 - 1376 72nd Avenue Surrey, B.C. (Does not include areas serviced by local roads)			3,007.94
Maps, Photocopy			242.27
Geochemistry: Acme Analytical Laboratories,Vancouver			
112 samples ICP, FA&AA @ 11.50		1,288	
112 samples, preparation@ 2.75		308	
1 whole rock ICP @ 12.00		12.00	
			1,608.00
Consulting: P.E. Fox, Ph.D.,P.Eng. Time in Field - 2 days @ $400			800.00
Field Equipment & Supplies			38.31
Travel Expenses			108.00
Drafting and Report Writing			500.00
TOTAL ALLOWABLE EXPENSES			$17,203.13

Work paid for by Dome Exploration (Canada) Limited

Prepared by

FOX GEOLOGICAL CONSULTANTS LIMITED

R. W. Oddy, M.Sc.
November 30, 1984

CERTIFICATE

I. Richard William Oddy, certify to the following:

1. I am a consulting geologist residing at 1229 Bracknell Crescent, North Vancouver, British Columbia.

2. I am a Fellow of the Geological Association of Canada, and a Member of the Canadian Institute of Mining and Metallurgy and of the American Institute of Mining Engineers.

3. My academic qualifications are:

   B.Sc. (Honors Geology), University of British Columbia, Vancouver, B.C.

   M.Sc., University of Manitoba, Winnipeg, Manitoba

4. I have been working as a mineral exploration geologist for the past fourteen years.

5. I worked on the EM, NS, SF and EN claims for the period specified in this report.

Vancouver, British Columbia
November 30, 1984

R. W. Oddy

Richard W. Oddy, M.Sc.

A P P E N D I X

Geochemical Analyses

and

Sample Descriptions

EUREKA PEAK - 1984 ROCK-CHIP SAMPLES

Sample No.	Width	Description
84-OER-1	2.0m	Pyritic zone in felsic volcanic bx.
2	2.0	Pyritic felsic volcanic breccia.
3	1.0	Pyritic felsic volcanic breccia.
4	1.0	Dark red pyritic volcanic breccia.
5	3.0	Pyritic, massive felsic breccia.
6	2.0	Pyritic felsic volcanic breccia.
7	2.0	Pyritic felsic volcanic breccia.
8	4.0	Pyritic felsic volcanic breccia.
9	3.0	Pyritic felsic volcanic breccia.
10	2.0	Shear zone, slightly pyritic, minor black phyllite & sheared dacitic volc.
11	1.0	Rusty shear zone within massive grey-green dacitic breccias.
12	1.0	Rusty shear zone with irregular quartz veining.
13		Rusty weathering flat lying horizon in dacitic breccias.
14	3.0	Moderately pyritic dacitic volcanics.
15	1.0	Rusty, moderately sheared dacitic volc.
16	2.0	Rusty, massive dacitic volcanic breccia.
17	3.0	Pyritic shear zone in felsic volcanic
18	3.0	breccia.
19	3.0	" " "
20	3.0	Pyritic, moderately sheared felsic tuffs (?)
21	2.0	Sheared, pyritic felsic volcanics.
22	3.0	Sheared, pyritic felsic volcanics(tuff?)
22	2.0	" " " "
23	1.0	Sheared, pyritic and silcified felsic tuffs(?)
24	-	Grab sample-rusty quartz veins in felsic volcanic tuffs (?)
25	3.0	Pyritic felsic volcanics.
26	2.0	Pyritic felsic volcanics (sheared)
27	2.0	Rusty shear zone in felsic volcanics.
28	1.0	Rusty shear zone in felsic volanics (siliceous zone)
29	2.0	Pyritic felsic volcanics (tuffs?)
30	-	Diorite-granodiorite intrusive, minor py.
31	1.0	Pyritic diorite-granodiorite.
32	1.0	Greenish 'dyke' rock, fine grained, pyritic.
33	1.0	Schists f.g. siliceous 'charty' seds., py.
34	3.0	Dioritic-mafic dark green med.grained, (5-10% pyrrhotite). Sheared volcanics? or intrusive?
35	5.0	Rusty diorite-dk.green volcanic or intrusive, pyrrhotite-rich.

84-OER-36	3.0	Hornfels-fig.volc. or sediments light green colour.
37	1.0	Phyllitic sediments, rusty.
38	1.0	Light coloured sheared f.g. charty seds.,(hornfels), next to shear zone.
84-FER-1	10.0	Rusty volcanics, 2-5% pyrite.
2	2.0	Sheared volcanics, minor pyrite & cpy.
3	3.0	Sheared volcanic breccia, 5-10% pyrite.
4	1.0	Gossanous shear zone in sheared volc.
5		Shear zone in altered volcanics.
6	3.0	Shear zone in altered volcanics.
7	4.0	Metasediments-foliated siliceous rock.
8	3.0	Sheared volcanics-5% pyrite.
9	5.0	Sheared volcanics,6-10m wide shear zone.
10	3.0	Pyritic volcanics, sheared.
11	4.0	Sheared volcanics, pyritic, altered.
12	4.0	Schistose greenstone.
13	5.0	Schistose gossan in sheared greenstone.
14	5.0	Rusty shear zone in chloritic greenstone.
15	2.0	Sheared rusty greenstone.
16	6.0	Shear zone in sheared greenstone, gossanous.
17	6.0	Shear zone.
18	1.0	Schistose greenstone, sheared, trace pyr.
19	6.0	Sheared, pyritic greenstone.
20	3.0	Sheared, foliated, rusty greenstone.
84-CER-1	-	Volcanic breccia, trace pyrite.
2	-	Pyritic, chloritic volcanic breccia, 1% pyrite.
3	-	Foliated f.g. volcanic rock.
4	-	Dk. green foliated volcanics.
5	1.5	Rusty shear zone, 1% pyrite.
6	-	Rusty sheared volcanics.
7	4.0	Shear zone, pyritic.
8	8.0	Rusty,shear zone in augite porphyry breccia.
9	5.0	" " "
10	8.0	" " "
11	8.0	" " "
12	8.0	" " "
13	8.0	" " "
14	8.0	Rusty augite volcanic breccia.
15	-	" " "
16	-	Sheared augite breccia, trace pyrite.
17	-	Altered volcanic breccia & massive serpentinite dyke contact.
18	-	Sheared volcanic breccia.
19	-	" " "

84-CER-20	-	Calcite veins in chloritic, sheared volcanics.
21	-	" " " "
22	-	Massive chloritic-augite rich dyke.
23	-	Massive augite-hornblende volc. breccia.
24	2.0	Sheared volcanic breccia, 1% pyrite.
25	10.0	Sheared, altered volcanic breccia.
26	5.0	Altered augite-hornblende volcanic, 1% pyrite.
27	-	Sheared, rusty volcanic breccia.
28	5.0	Sheared, chloritic volcanics.
29	1.5	Sheared, green volcanics.
30	-	Augite basalt breccia, 3% pyrite.
31	-	Green, chloritic volcanic breccia, 2% py.
32	5.0	Dk.green hornblende rich, sheared volc. minor py. and cpy.
33	-	Augite-hornblende breccia.
34		Rusty, bleached f.g. siliceous siltstone, 1% pyrite.
35	2.0	Hornblende porphyry dyke in siltstone.
36	-	Bleached light coloured siliceous siltstone.
37	-	Mafic dyke or basalt, rusty, 1% pyrite.
38	-	F.g. siltstone or sandstone, 1% pyrite.
39	-	Core speciment - granodiorite.
84-GER-1	-	Quartzite with dark mafic stringers, 1-2% pyrite, tr. cpy.
2	-	Quartz-feldspar porphyry, potassic alteration, 3% pyrite.
3	-	Ultramafic, pyritic.
4	-	Ultramafic intrusive, 2-5% pyrite.
5	-	Serpentinite (boulder), 10% pyrite.
6	-	Quartz monzonite, chloritic, 5-10% py.
7	-	" " " "
8	-	Granitic porphyry with mafic inclusions. 5% pyrite.
9	-	Mafic intrusive, 5-10% pyrite.
10	-	Rusty phyllite, pyritic.
11	-	Gossanous material (float), abundant pyrrhotite.
12	-	Black phyllite.
13	10.0	Rusty phyllite.
14	-	" "

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU** PPB
84CER-18	1	92	7	21	.2	14	10	369	2.47	9	5	ND	2	67	1	3	2	27	.72	.16	3	17	.45	112	.15	9	.88	.02	.30	2	2
84CER-19	1	109	6	38	.3	32	14	640	2.82	11	5	ND	3	108	1	2	2	46	1.44	.24	2	40	1.00	92	.14	12	1.38	.02	.21	2	1
84CER-20	1	114	6	63	.1	44	13	860	3.32	19	5	ND	2	222	1	2	2	43	4.37	.14	2	134	1.34	52	.10	6	1.61	.01	.13	2	1
84CER-21	1	98	6	33	.2	73	14	747	2.60	21	5	ND	3	240	1	2	2	32	3.80	.13	2	122	1.14	68	.13	4	1.41	.01	.19	2	1
84CER-22	1	61	2	15	.2	10	6	239	1.80	8	5	ND	2	145	1	3	2	37	.93	.19	2	9	.45	58	.20	6	.98	.03	.14	2	13
84CER-23	1	68	3	26	.2	18	14	404	1.62	17	5	ND	2	125	1	3	2	43	1.01	.12	2	22	.53	99	.21	2	1.08	.03	.12	2	2
84CER-24	1	156	5	10	.1	13	9	153	2.58	3	5	ND	2	209	1	2	2	33	.79	.19	2	6	.12	139	.15	7	.61	.02	.21	2	1
84CER-25	1	93	5	21	.2	6	7	312	4.63	4	5	ND	2	73	1	2	2	50	.57	.18	4	11	.68	77	.20	10	1.13	.02	.18	2	3
84CER-26	1	114	3	9	.2	14	8	161	3.32	8	5	ND	2	79	1	2	2	32	.66	.16	2	23	.30	71	.22	11	.67	.03	.19	2	5
84CER-27	1	118	4	18	.1	16	11	340	4.25	16	5	ND	2	150	1	2	2	41	.93	.20	2	26	.57	68	.20	9	1.05	.02	.20	2	2
84CER-28	2	101	6	28	.4	4	4	107	2.20	5	5	ND	4	42	1	2	2	23	.22	.13	8	3	.11	98	.12	3	.34	.03	.21	2	2
84CER-29	1	68	5	8	.2	3	4	104	2.19	3	5	ND	5	97	1	3	2	30	.37	.15	7	2	.16	61	.12	7	.45	.04	.16	2	1
84CER-30	1	212	4	13	.1	22	18	179	2.42	3	5	ND	2	33	1	2	2	35	.61	.17	2	25	.43	130	.16	5	.75	.02	.43	2	2
84CER-31	1	182	1	17	.2	20	12	223	3.71	4	5	ND	2	68	1	2	2	48	.80	.18	2	48	.66	119	.23	6	1.06	.03	.50	2	5
84CER-32	10	1242	8	25	.8	78	37	287	6.54	15	5	ND	3	119	1	2	2	67	1.01	.28	2	109	1.91	105	.14	9	2.25	.02	2.04	2	41
84CER-33	1	154	3	11	.2	41	13	131	1.48	25	5	ND	2	25	1	2	2	23	.61	.17	2	59	.58	75	.14	7	.80	.01	.27	2	2
84CER-34	3	112	4	4	.1	5	7	37	.91	5	5	ND	3	63	1	4	2	32	.69	.14	8	5	.06	68	.20	5	.43	.02	.12	2	1
84CER-35	1	208	4	8	.1	31	19	120	3.85	2	5	ND	2	73	1	2	2	48	.90	.14	2	15	.32	39	.26	8	.65	.06	.10	2	2
84CER-36	1	103	3	3	.1	3	3	25	1.67	2	5	ND	4	45	1	4	2	19	.28	.09	5	2	.02	62	.08	5	.24	.03	.12	2	1
84CER-37	1	191	2	7	.4	7	3	118	3.10	3	5	ND	2	60	1	2	2	33	.59	.22	3	61	.38	62	.19	5	.61	.03	.23	2	550
84CER-38	1	41	1	5	.1	1	2	63	2.40	3	5	ND	3	146	1	3	2	35	.78	.23	5	1	.09	103	.15	9	.52	.03	.17	2	1
84CER-39	1	519	2	12	.2	4	6	178	1.83	2	5	ND	3	125	1	4	2	16	1.77	.11	3	2	.19	54	.06	6	.45	.03	.13	2	3
84OER-1	2	160	3	10	.3	9	6	164	4.16	2	5	ND	3	132	1	2	2	51	.73	.30	3	31	.40	122	.21	9	.86	.02	.39	2	4
84OER-2	1	188	4	6	.4	12	10	109	2.36	3	5	ND	2	78	1	2	2	42	.68	.21	2	30	.27	129	.22	5	.66	.03	.30	2	2
84OER-3	1	76	8	10	.4	2	2	125	3.74	3	5	ND	2	27	1	2	2	41	.31	.09	2	44	.40	94	.27	13	.60	.02	.20	2	30
84OER-4	1	164	5	47	.2	30	18	388	3.71	3	5	ND	2	78	1	2	2	38	.67	.15	2	38	1.15	91	.17	8	1.41	.02	.27	2	24
84OER-5	1	462	39	126	.3	18	20	802	10.55	7	5	ND	5	46	1	2	5	65	.43	.22	2	129	2.18	69	.21	10	2.31	.01	.20	2	4
84OER-6	1	229	7	39	.2	16	11	414	5.08	4	5	ND	3	48	1	2	6	45	.58	.21	2	49	1.16	91	.20	8	1.37	.03	.28	2	2
84OER-7	1	148	2	20	.3	11	5	274	4.10	2	5	ND	2	39	1	2	2	41	.45	.13	2	112	1.09	82	.19	3	1.18	.02	.26	2	1
84OER-8	1	153	6	17	.1	7	5	251	4.06	4	5	ND	2	81	1	2	3	59	.79	.18	2	23	.84	110	.20	3	1.37	.03	.36	2	2
84OER-9	1	271	9	20	.4	5	10	350	8.05	3	5	ND	4	73	1	2	2	86	.61	.17	6	12	1.01	112	.28	11	1.49	.03	.40	2	11
84OER-10	1	124	10	169	.1	58	19	717	3.66	8	5	ND	3	151	1	2	2	53	1.88	.17	2	162	1.74	52	.17	5	1.95	.02	.13	3	2
84OER-11	1	232	25	70	.2	27	24	826	5.34	6	5	ND	3	93	1	2	3	64	2.15	.19	2	15	1.60	87	.22	2	2.29	.01	.23	2	95
84OER-12	2	717	38	288	2.2	46	18	931	4.82	24	5	ND	2	68	2	2	2	75	.77	.23	4	100	1.93	63	.13	2	2.39	.02	.32	2	1
84OER-13	1	131	2	25	.1	9	7	329	1.96	5	5	ND	2	140	1	2	2	40	.93	.20	2	6	.56	70	.19	9	1.12	.04	.19	2	2
84OER-14	1	197	9	43	.2	11	13	467	2.60	2	5	ND	2	50	1	2	3	39	.80	.21	2	6	.53	82	.18	9	1.06	.04	.25	2	8
84OER-15	1	117	10	35	.1	8	10	286	2.02	3	5	ND	2	49	1	2	2	25	.48	.18	5	7	.25	88	.16	5	.76	.02	.30	2	2
STD C/FA-AU	20	60	41	125	8.0	71	28	1068	3.82	40	19	9	40	50	18	17	22	59	.44	.13	40	58	.88	179	.07	40	1.72	.07	.12	14	49

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU** PPB
B40ER-16	6	104	3	69	.4	11	8	252	2.72	4	5	ND	2	95	1	2	3	43	.75	.17	6	12	.30	94	.26	4	.75	.04	.22	2	4
B40ER-17	1	219	5	15	.2	25	10	194	5.38	3	5	ND	3	27	1	2	2	34	.54	.16	7	51	.52	123	.15	8	.74	.02	.35	2	5
B40ER-18	2	331	6	12	.3	21	11	180	5.55	5	5	ND	3	36	1	2	3	42	.51	.20	8	66	.57	148	.16	2	.87	.03	.45	2	7
B40ER-19	1	352	1	13	.2	27	15	208	4.21	2	5	ND	3	36	1	2	2	43	.71	.18	8	52	.61	127	.17	8	.92	.03	.48	2	11
B40ER-20	1	60	1	15	.2	7	5	250	3.53	7	5	ND	2	161	1	2	2	55	.82	.22	7	9	.55	90	.25	2	1.00	.03	.18	2	13
B40ER-21	1	68	5	24	.2	8	6	543	5.76	12	5	ND	3	59	1	2	5	70	.43	.21	8	5	1.82	93	.23	3	1.86	.03	.17	2	19
B40ER-22	1	65	1	15	.2	18	10	268	4.74	3	5	ND	2	156	1	2	3	59	.62	.19	5	28	1.03	78	.24	7	1.12	.02	.18	2	13
B40ER-23	1	34	1	18	.2	68	11	330	5.36	5	5	ND	2	60	1	2	7	67	.36	.14	6	245	1.55	52	.28	2	1.24	.02	.13	2	11
B40ER-24	1	22	1	28	.1	12	6	207	1.64	8	5	ND	2	24	1	3	2	19	.14	.04	2	9	.59	18	.05	2	.61	.01	.04	2	24
B40ER-25	1	56	3	26	.2	31	7	468	7.97	9	5	ND	4	22	1	2	8	69	.27	.18	12	157	1.83	53	.22	2	1.64	.02	.13	2	8
B40ER-26	1	224	9	55	.2	22	19	802	7.99	3	5	ND	3	37	1	2	7	65	.44	.19	7	91	2.20	69	.21	8	2.17	.01	.15	2	6
B40ER-27	1	115	5	21	.2	11	13	488	4.41	2	5	ND	3	44	1	2	4	31	.52	.20	4	95	.96	93	.13	2	1.19	.02	.18	2	4
B40ER-28	1	273	9	32	.5	57	25	664	12.55	4	5	ND	4	11	1	2	7	56	.15	.14	10	165	1.51	49	.17	4	1.52	.01	.11	2	13
B40ER-29	1	130	2	37	.2	4	6	702	5.34	2	5	ND	4	24	1	2	3	44	.39	.21	7	8	1.06	118	.14	2	1.43	.03	.21	2	5
B46ER-1	1	140	1	48	.2	113	20	789	4.23	2	5	ND	2	30	1	2	3	54	.80	.15	4	133	1.97	83	.19	2	2.08	.03	.24	2	3
CANTIN 93N 102+80E	1	69	9	59	.3	31	16	650	4.89	19	5	ND	7	112	1	2	5	176	2.60	.23	24	32	1.57	448	.35	28	2.53	.41	.35	2	2
STD C/FA-AU	21	59	39	124	7.7	70	28	1060	3.82	40	20	9	41	49	18	17	22	58	.44	.13	40	57	.88	178	.06	42	1.72	.07	.12	14	50

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 TELEX 04-53124

WHOLE ROCK ICP ANALYSIS

A .1000 GRAM SAMPLE IS FUSED WITH .60 GRAM OF LIBO2 AND IS DISSOLVED IN 50 MLS 5% HNO3. SAMPLE TYPE: PULP

DATE RECEIVED: SEPT 4 1984 DATE REPORT MAILED: Sept 6/84 ASSAYER..D Toye..DEAN TOYE. CERTIFIED B.C. ASSAYER

FOX GEOLOGICAL PROJECT # DOME 237 FILE # 84-2459

SAMPLE#	SIO2 %	AL2O3 %	FE2O3 %	MGO %	CAO %	NA2O %	K2O %	TIO2 %	P2O5 %	MNO %	CR2O3 %	LOI %	SUM %
84CER-39	59.68	17.29	4.72	1.50	5.67	5.65	1.99	.34	.18	.07	.01	2.7	99.84

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-3 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR Mn.Fe.Ca.P.Cr.Mg.Ba.Ti.B.Al.Na.K.W.Si.Zr.Ce.Sn.Y.Nb and Ta. Au DETECTION LIMIT BY ICP IS 3 ppm.
- SAMPLE TYPE: ROCK CHIPS AU** ANALYSIS BY FA+AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: OCT 10 1984 DATE REPORT MAILED: Oct 16/84 ASSAYER..D. Toye..DEAN TOYE. CERTIFIED B.C. ASSAYER

FOX GEOLOGICAL PROJECT # 121 FILE # 84-2973 PAGE 1

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
OER-30	2	41	1	6	.1	1	1	71	.59	3	5	ND	2	113	1	2	2	18	.54	.09	8	1	.05	66	.08	3	.39	.05	.10	2	8
OER-31	1	109	3	10	.1	4	2	190	1.98	4	5	ND	2	172	1	2	2	42	1.12	.27	5	14	.64	51	.14	5	1.02	.03	.18	2	1
OER-32	1	229	2	9	.1	47	15	110	2.71	3	5	ND	2	224	1	2	2	34	1.09	.20	2	22	.22	48	.17	4	.65	.04	.12	2	3
OER-33	3	55	3	5	.1	6	1	46	1.38	5	5	ND	3	48	1	2	2	16	.50	.19	12	11	.05	108	.16	4	.26	.04	.13	2	1
OER-34	1	196	5	14	.1	21	10	223	4.20	3	5	ND	2	52	1	2	2	37	.55	.13	2	78	.85	106	.18	6	1.05	.03	.49	2	2
OER-35	2	1379	7	11	.4	32	14	133	4.36	6	5	ND	2	31	1	2	2	30	.50	.16	2	49	.60	118	.15	6	.77	.02	.38	2	11
OER-36	2	113	3	4	.1	3	2	26	2.68	3	5	ND	2	84	1	2	2	30	.39	.16	5	9	.07	65	.21	4	.34	.03	.13	2	7
OER-37	26	54	6	7	.1	4	1	17	4.59	7	5	ND	2	38	1	2	2	72	.25	.17	7	12	.08	102	.23	3	.27	.03	.16	2	4
OER-38	5	39	3	3	.1	1	1	14	1.31	2	5	ND	2	33	1	2	2	18	.17	.08	7	10	.04	131	.22	6	.22	.03	.13	2	2
GER-1	1	4	1	2	.1	1	1	46	.30	4	5	ND	5	80	1	2	2	13	.47	.07	12	1	.02	15	.06	3	.31	.06	.04	2	1
GER-2	1	121	5	7	.1	3	8	107	2.45	4	5	ND	2	319	1	2	2	44	1.53	.32	6	6	.21	98	.16	6	.88	.04	.26	2	2
GER-3	1	43	1	2	.1	1	2	49	.91	2	5	ND	5	130	1	2	2	19	.52	.07	11	1	.02	43	.09	3	.35	.06	.06	2	27
GER-4	1	115	2	9	.3	2	6	183	1.72	3	5	ND	2	156	1	2	2	27	.77	.13	5	2	.35	204	.11	4	.92	.05	.43	2	6
GER-5	15	50	3	4	.4	4	3	59	2.06	5	5	ND	3	132	1	2	2	49	.87	.29	6	3	.07	45	.17	4	.30	.05	.08	2	17
GER-6	1	77	3	25	.1	23	20	370	2.89	5	5	ND	2	169	1	2	2	75	1.55	.16	3	61	1.23	184	.18	4	1.40	.03	.33	2	1
GER-7	1	38	1	2	.1	1	1	35	1.46	4	5	ND	4	63	1	2	4	24	.17	.05	6	1	.02	474	.11	3	.17	.05	.07	2	10
GER-8	1	118	1	6	.1	16	15	105	1.32	5	5	ND	2	87	1	2	2	30	.90	.21	5	12	.22	85	.13	4	.58	.03	.17	2	1
GER-10	1	310	4	5	.3	5	5	49	3.36	2	5	ND	2	45	1	2	5	31	.38	.18	5	4	.07	55	.15	5	.23	.03	.09	2	16
GER-11	1	212	6	5	.1	16	17	67	3.05	5	5	ND	2	126	1	2	2	35	.91	.28	3	5	.17	75	.11	5	.50	.03	.20	2	13
GER-12	21	132	1	11	.1	37	7	42	1.70	2	5	ND	3	21	1	2	2	41	.27	.07	7	7	.04	61	.15	3	.24	.02	.11	2	105
GER-13	23	80	9	16	.2	3	1	22	3.21	3	5	ND	3	56	1	2	3	83	.29	.12	7	13	.05	71	.23	4	.33	.02	.12	2	9
GER-14	2	256	7	5	.1	5	3	31	5.12	4	5	ND	2	46	1	2	2	38	.46	.21	6	11	.06	69	.19	4	.30	.02	.15	2	12
STD C/FA-AU	20	62	40	120	6.4	68	26	1085	3.82	41	20	7	35	48	16	15	19	56	.44	.13	39	54	.88	177	.07	38	1.63	.06	.13	12	54

LEGEND

5	Granodiorite stock
4	Sediments siltstone, argillite, cherty sediments
3	Volcanics tuffs, tuff-breccia, chloritic schist, augite porphyry breccia
3a	Pyritized, sericitized volcanics
2	Mafic and ultramatic rocks pyroxenite, amphibolites
1	Black phyllite
~~	Fault, shear zone
——	Approximate geological contact
△6	Rock chip sample location, number and value in ppb Gold

Scale 0 100 200 300 metres

N

EM2 EM3 EM4 EM1 EN10A EN10 EN9 EN8 EN7 EN6 EN5 EN4 EN3 EN2 EN1 NS2 NS1 EN28 EN27 EN14 CS55 CS56 EM5 EM6

GEOLOGICAL BRANCH
ASSESSMENT REPORT

13,365

DOME EXPLORATION (CANADA) LIMITED

PROJECT NO: 237 EUREKA PEAK, B.C.

1984 GEOCHEMICAL RESULTS
GOLD (ppb)

SCALE	DATE	BY	N.T.S. No.	DWG. No.
1:5000	Nov '84	dlp / RWO	93A/7E	3