MineQuest Report #138
Ref. No. RM2702

672844

GEOLOGY AND GEOCHEMISTRY

on the

FROST LAKE GROUP

Victoria Mining Division

N.T.S. 92C/9E

Latitude 48°41'N
Longitude 124°10'W

by
G.R. Peatfield, Ph.D., P.Eng.
of
MineQuest Exploration Associates Ltd.

for
Beau Pre Explorations Ltd.

Claim Name	Record #	No. of Units	Date Recorded
F.R.S. #1	1092	20	29 Sept. 83
Helga #1	1103	20	14 Oct. 83

Vancouver, B.C. December, 1986

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Vancouver, B.C. December, 1986

Province of British Columbia

Ministry of Energy, Mines and Petroleum Resources

ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S)	TOTAL COST
GEOLOGY, GEOCHEMISTRY	$ 3,179.62

PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — G. R. PEATFIELD

AUTHOR(S) G.R. Peatfield, P.Eng. SIGNATURE(S) G.R. Peatfield

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED Sept. 26, 1986 YEAR OF WORK 1986

PROPERTY NAME(S) FROST LAKE (RED DOG)

COMMODITIES PRESENT Cu, Ag, Au, Zn

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN 92C-12

MINING DIVISION Victoria NTS 92C/9E

LATITUDE 48°41'N LONGITUDE 124°10'W

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property (Examples TAX 1-4, FIRE 2 (12 units); PHOENIX (Lot 1706); Mineral Lease M 123; Mining or Certified Mining Lease ML 12 (claims involved)):

F.R.S. #1 (1092) - 20 Units; Helga #1 (1103) - 20 Units

OWNER(S)

(1) Beau Pre Explorations Ltd. (2)

MAILING ADDRESS

1027 Pandora Street
Victoria, B.C., V8V 3P6

OPERATOR(S) (that is, Company paying for the work)

(1) Beau Pre Explorations Ltd. (2)

MAILING ADDRESS

1027 Pandora Street
Victoria, B.C.
V8V 3P6

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude):

Andesitic and basaltic lavas and pyroclastics (Triassic Karmutsen Fm.?) with intercalated grey limestone units have been intruded by various granitic rocks probably related to the Jurassic Island Intrusions. Small pods of skarn mineralization, with chalcopyrite, magnetite, and in some cases sphalerite.

REFERENCES TO PREVIOUS WORK GEM 1977, p.E106; ARs #6380, 6502; Grove, E.W. - assessment report, Frost Lake, 1985

(over)

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	COST APPORTIONED
GEOLOGICAL (scale, area)	1:12,500	F.R.S. #1; Helga #1	2,000.00
Ground			
Photo			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for ....)			
Soil	31 (30 element ICP)	F.R.S. #1 (9); Helga #1 (22)	
Rock	1 geochem. Cu,Ag,Au	Helga #1	1,179.62
Rock	5 assay Cu,Zn,Ag,Au	F.R.S. #1 (4); Helga #1 (1)	
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralogic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY/PHYSICAL			
Legal surveys (scale, area)			
Topographic (scale, area)			
Photogrammetric (scale, area)			
Line/grid (kilometres)			
Road, local access (kilometres)			
Trench (metres)			
Underground (metres)			
		TOTAL COST	3,179.62

FOR MINISTRY USE ONLY	NAME OF PAC ACCOUNT	DEBIT	CREDIT	REMARKS:
Value work done (from report)				
Value of work approved				
Value claimed (from statement)				
Value credited to PAC account				
Value debited to PAC account				
Accepted ..... Date	Rept. No.			Information Class

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1.0 INTRODUCTION

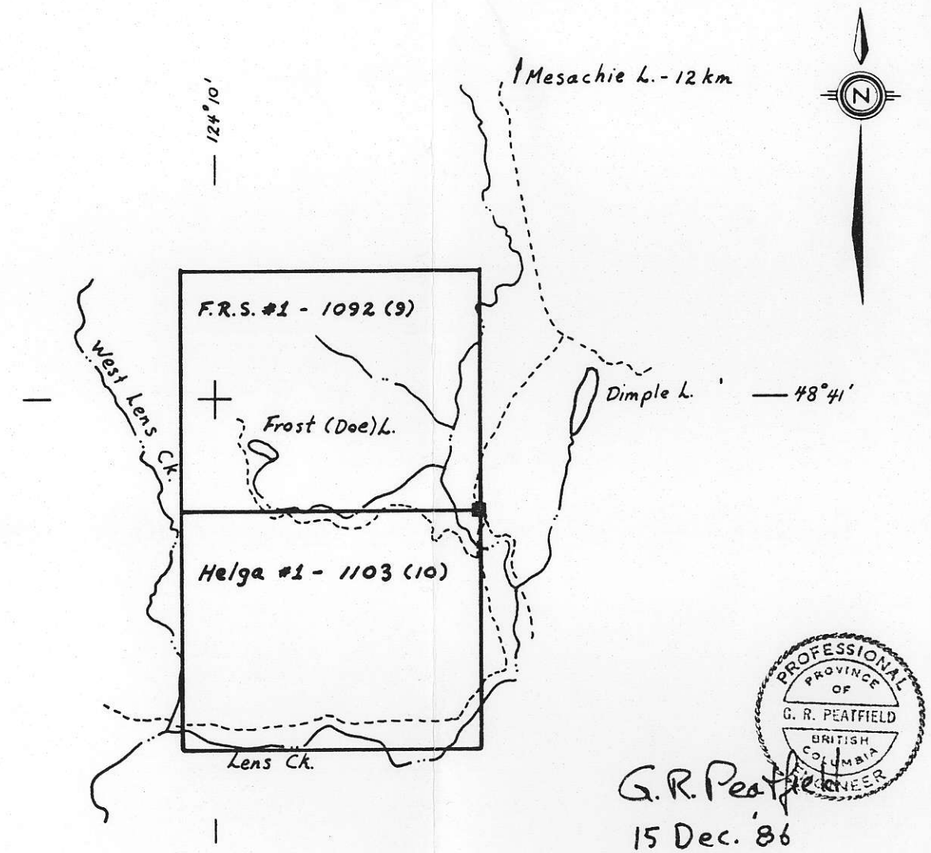
1.1 Location, Access and Terrain

The FROST LAKE group of claims is located at Frost (Doe) Lake, which lies on an area of high ground west of Lens Creek some 15 kilometres south of the C.I.P. office at Mesachie Lake, on the south shore of Cowichan Lake (see Figure 1). Access is south from Mesachie Lake via the Port Renfrew road to the junction with the Lens Main road, thence via Lens Main past Fleet Main to the junction of Lens Main East and West. About 300 metres along Lens Main West, Road TR8 angles steeply upward and provides (as of September 1986) four-wheel drive access to Frost Lake. The claims cover some areas of virgin timber, but a majority of the area has been clear-cut logged, and logging roads provide good access to much of the claim block, although most of these roads require some work to be made passable for vehicles. Topography is typical of the mountainous portions of southern Vancouver Island, with steep slopes cut by precipitous valleys. Elevations range from about 250 metres in the main valleys to nearly 950 metres at the highest point on the claims. Outcrop is abundant, and is especially well exposed in the numerous road cuts.

1.2 Property Definition and History

Early interest in the general area was on the Alpha, Beta and Taboga claims, Crown-granted in 1910 and situate on the east fork of Robertson River, some 8 kilometres northeast of Frost Lake (McKechnie, 1963). In 1961, Albeta Mines did considerable work, including some underground exploration, on these magnetite-chalcopyrite skarn occurrences. Work resumed on these showings from 1968 to 1971, during which time the property was expanded considerably to the south and west (GEM, 1969-71 incl.).

BRITISH COLUMBIA
Scale 1:7,500,000



PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
G. R. PEATFIELD

G.R. Peatfield
15 Dec. '86

Scale 1: 50,000

1 0 1 2 3km

Beau Pre Explorations Ltd.			
Frost Lake Property			
LOCATION MAP			
PLAN No. 949	DRAWN G.R.P.	DATE Dec. 86	FIGURE 1
Revised		N.T.S. 92C/9E	
MINEQUEST EXPLORATION ASSOCIATES LTD.			

In 1977, Western Mines Ltd., concentrating on this southwestern area, completed regional mapping and silt sampling, and detailed mapping, magnetics, and soil and rock geochemistry on a grid established over a diorite stock north of Frost Lake, on the Conquest and Victor Claims (RED DOG - GEM 1977, Mineral Inventory #92C-12). This work was reported in Assessment Work Reports 6380 and 6502.

In 1983, float sampling led F.R. Shandler to acquire the F.R.S. #1 mineral claim, and shortly thereafter J.W. Decker located the Helga #1 mineral claim to the south. Both claims were subsequently acquired by Beau Pre Explorations Ltd., who have done a minor amount of work since that time (Grove, 1985). The massive chalcopyrite boulders discovered by Shandler appear to represent a new and as yet unlocated skarn occurrence.

1.3 Claim Status

The FROST LAKE property consists of two mineral claims held by Beau Pre Explorations Ltd. (see Figure 1), as listed below:

Claim Name	Record Number	No. of Units	Record Date	Due Date*
F.R.S. #1	1092	20	29 Sept. 83	1987
Helga #1	1103	20	14 Oct. 83	1987

*due date after filing the SED to which this report refers.

The Legal Corner Posts for both claims are located beside a large rock immediately west of the Lens Main Road about 200 metres north of the junction of Lens Main East and West.

1.4 Summary of Work Done, 1986

G.R. Peatfield, P.Eng. spent September 23 and 24 in a short program of geological mapping along several of the logging roads, including the main TR8 access road to Frost Lake. A total of 31 soil samples were collected for analysis, as were two rock samples consisting of representative grabs of float boulders of magnetite and high-grade copper mineralization, and four chip samples across a previously unsampled heavy sulphide skarn zone immediately north of Frost Lake.

2.0 GEOLOGY

2.1 Regional Geology

Regional mapping by Muller (1977), and work by Western Mines Limited suggest that the general area of the property is underlain by massive Karmutsen Formation (Triassic) volcanic rocks, dominantly oceanic basalts and andesites, overlain by the massive limestones of the upper Triassic Quatsino Formation. These strata have been cut by several stocks and dyke/sill swarms ranging in composition from diorite (often inclusion rich) to aplite and dacite, sometimes feldspar phyric. These rocks are bounded to the north, east and south by a large mass of intrusive rocks, included by Muller (1977) with the Jurassic Island Intrusions.

2.2 Property Geology

On the basis of this study and the work reported by Grove (1985) it is possible to make only general statements regarding the geology of the property (see Figure 2). The southern portion of the claim group, where mapped, is dominantly underlain by a complex series of andesitic and basaltic lavas, fragmentals, and intrusive masses. Included within this pile is at least one local intercalated unit, a few tens of metres thick, of massive grey pure limestone. The entire package is cut by a bewildering swarm of felsic to intermediate, generally feldspar porphyritic dykes and sills of unknown age. On the northeast portion of the property there are extensive outcroppings of the overlying Quatsino Limestone.

2.3 Alteration and Mineralization

Over much of the area mapped, the Karmutsen volcanic rocks show extensive evidence of propylitic alteration, with common chlorite and epidote development and extensive areas showing intense networks of irregular veinlets of quartz, carbonate and probably zeolites. Sulphides are rare in these rocks, although locally there are occurrences of sparse disseminated pyrite and less commonly chalcopyrite.

Locally, at contacts between the intrusive bodies and limestone bands, there are irregular bodies of garnet-epidote skarn, in many cases with abundant pyrite, chalcopyrite, rare sphalerite, and (known from float only) massive magnetite. Also known from float boulders only are occurrences of essentially massive chalcopyrite-pyrite mineralization with some calc-silicate minerals. These boulders, some of which reach appreciable size, are the prime reason for continuing interest in the property.

3.0 SOIL SAMPLING

3.1 Sampling Procedure

Soil samples were collected at nominal 100 metre spacings along two logging roads (see Figure 2) and placed in numbered Kraft paper sample bags. Material sampled was generally rusty red-brown B-horizon soil lying near bedrock at depths ranging from 10 cm to 1.5 metres below ground surface. In some cases the material is colluvium; in others sandy or clayey till. In rare instances, the material is rusty till lying above grey-green clay-rich lodgement till.

3.2 Analytical Techniques

Soil samples were shipped to Acme Analytical Laboratories Ltd. in Vancouver, for preparation and analysis. Samples were dried, sieved to minus-80 mesh, and subjected to a 30-element ICP (inductively coupled plasma) analytical technique, after digestion for one hour at 95°C in 3:1:2 - $HCl:HNO_3:H_2O$. It is important to note that the ICP technique is partial for several of the elements reported.

3.3 Results and Interpretation

The results of the soil sample analyses are included in Appendix I, and values for copper shown on Figure 2. Not enough samples were analyzed to permit meaningful statistical analysis of the data; few samples, however, appear to be anomalous for copper and even fewer for other elements. Rough histograms for copper, lead and zinc show the results for these elements to be distributed in bimodal populations, although there

is little evidence of cross-correlation. For the purposes of this study, the threshold value for copper is taken as 60 ppm; anomalous values are 120 ppm and above.

Those values which rise above the threshold for copper tend to come from samples collected in the northeast quadrant of the Helga #1 claim, in the general area of limestone, volcanic rocks with chalcopyrite, a small intrusive plug, and abundant float boulders and cobbles of high-grade chalcopyrite mineralization. Interestingly, one sample described as "red-brown colluvium" taken over an outcrop of pyritic feldspar porphyry near its contact with chalcopyrite-bearing basalt returned only 51 ppm copper. The only sample with a strongly anomalous copper value (1299 ppm) is of "red-rusty till" which nearby includes several angular boulders of essentially massive chalcopyrite.

4.0 ROCK SAMPLING

4.1 Sampling Procedure

At two sites on the lower portions of road TR8, numerous angular to sub-rounded mineralized cobbles and boulders occur in the road bed or within till or colluvium above the road. Two chip "samples", from float boulders, were taken to ascertain the general tenor of this mineralization, especially with respect to gold content.

At the previously unsampled skarn-sulphide zone north of Frost Lake, samples were taken as carefully as possible, given the weathered and rubbly nature of the outcrops, in an attempt to sample one metre intervals across the zone.

4.2 Analytical Techniques

One rock sample, consisting of chips of massive magnetite, was analyzed by Acme Analytical Laboratories for gold by fire assay extraction and atomic absorption analysis, and for copper and silver by atomic absorption analysis. A further five rock-chip samples were analyzed by standard assay techniques for copper, zinc, silver and gold. Before analysis, rocks were crushed to minus 3/16", and 200 grams ground to 98% minus-100 mesh. Digestion was the same as for soil samples.

4.3 Results and Interpretation

All results are included in Appendix I. The chips of massive magnetite returned 1340 ppm copper but only 0.1 ppm silver and 5 ppb gold. Even a pure chalcopyrite concentrate derived from such material would have a very low precious metal tenor.

Four of the five samples assayed represent rough chip samples across measured widths of the skarn zone north of Frost Lake (see Figure 2). A continuous sampling across 3 m of the zone yielded: Cu 0.68%, Zn 0.06%, Ag 0.32 ounces/ton, and Au 0.001 ounces/ton. A one metre sample across part of this zone some 20 metres north along strike returned: Cu 1.52%, Zn 0.01%, Ag 0.21 ounces/ton, and Au 0.001 ounces/ton. Clearly, although this zone contains some substantial copper values, the precious metal tenors are very low.

The last assayed sample is made up of chips from an angular boulder of massive sulphide mineralization in till, as described in Section 3.3. This material is rich in copper (12.03%) but contains essentially no zinc (0.01%) or gold (0.001 ounces/ton) and only a trace (0.11 ounces/ton) of silver.

5.0 GENERAL CONCLUSIONS

The geology of the FROST LAKE property is admirably suited for the occurrence of high-grade copper skarn deposits; recent mapping coupled with soil geochemistry and the distribution of high-grade copper boulders suggests that significant occurrences remain to be discovered. Sampling in this program further suggests that the precious metal tenor of such mineralization would be generally low.

6.0 RECOMMENDATIONS

The following program is proposed for ongoing work on the FROST LAKE property:

1) Prepare a comprehensive map of the entire property at a scale of 1:5,000, using the extensive logging road network for access and control.

2) Complete a detailed prospecting of the claims as part of the mapping program.

3) Establish a grid over the northeast portion of the Helga #1 claim. This would involve about 1300 m of baseline and 9300 m of cross-lines spaced at 100 metres apart.

4) Complete a magnetometer survey over the entire grid area.

5) Complete a soil sampling survey over the entire grid, collecting samples at 25 m intervals and analyzing every second sample as a first pass screen.

Such a program would cost of the order of $20,000, and would serve to give a good indication of the presence or otherwise of a significant body of very high-grade copper mineralization in the grid area. It would also serve to highlight other areas of interest on the claims, especially with regard to unconfirmed rumours of gold mineralization north of Frost Lake.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
G. R. PEATFIELD

G.R. Peatfield

G.R. Peatfield, Ph.D., P.Eng.

7.0 BIBLIOGRAPHY

GEM - Geology, Exploration and Mining in British Columbia, published by British Columbia Department of Mines and Petroleum Resources, Victoria. (1969, p.223; 1970, p.291; 1971, p.226; 1977, p E106).

GROVE, E.W., 1985. Geology and work proposal on the Beau Pre Explorations Ltd. Frost Lake property, Victoria M.D. Assessment work prepared for submission to the British Columbia Ministry of Energy, Mines and Petroleum Resources. 15 pp and Appendices.

McKECHNIE, N.D., 1963. Alpha, Beta, etc. (Albeta Mines Ltd.). Annual Report of the British Columbia Minister of Mines and Petroleum Resources 1962, Victoria, pp. 125-127.

MULLER, J.E. Geology of Vancouver Island - Geological Survey of Canada, Open File 463 - 2 sheets (1:250,000) with notes.

APPENDIX I

Analytical Data

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 3-1-2 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: P1-SOILS P2-ROCKS

DATE RECEIVED: SEPT 26 1986 DATE REPORT MAILED: Oct 6/86 ASSAYER. D. Toye ..DEAN TOYE. CERTIFIED B.C. ASSAYER.

MINEQUEST EXPLORATION FILE # 86-2899 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
BPF-001	1	55	12	63	.2	21	10	230	6.00	2	5	ND	1	33	1	2	2	189	.30	.054	4	96	.35	21	.60	2	2.51	.01	.02	1
BPF-002	1	31	11	33	.1	15	8	173	8.62	4	5	ND	1	28	1	2	2	319	.33	.123	5	80	.32	14	1.12	2	1.74	.01	.02	1
BPF-003	1	32	3	50	.2	20	9	316	4.92	3	5	ND	1	51	1	2	2	143	.39	.068	7	50	.42	32	.43	2	2.41	.01	.02	1
BPF-004	2	173	7	117	.2	88	31	639	8.36	11	5	ND	1	56	1	2	2	212	.45	.149	5	159	2.51	50	.58	2	5.28	.01	.02	1
BPF-005	1	82	9	42	.1	14	9	224	4.74	6	5	ND	1	33	1	2	4	121	.34	.097	5	35	.46	25	.32	3	3.73	.01	.02	1
BPF-006	1	50	4	69	.2	25	14	418	5.01	5	5	ND	1	37	1	2	2	147	.38	.081	5	62	.45	30	.44	2	2.50	.01	.02	1
BPF-007	1	9	8	17	.2	5	4	218	3.20	2	5	ND	1	51	1	2	2	116	.48	.039	5	19	.12	10	.34	2	.97	.01	.01	1
BPF-008	1	75	4	72	.3	24	14	350	7.07	11	5	ND	2	38	1	2	2	197	.31	.092	7	63	.45	47	.46	3	3.84	.01	.03	1
BPF-009	1	54	4	29	.1	12	10	193	4.88	4	5	ND	1	37	1	2	2	169	.37	.041	6	35	.34	31	.35	3	2.67	.01	.02	1
BPF-010	1	52	10	35	.1	18	12	296	4.61	2	5	ND	1	33	1	2	2	148	.41	.055	7	32	.40	51	.29	4	3.55	.02	.02	1
BPF-011	2	47	8	63	.1	42	21	466	4.99	4	5	ND	1	57	1	2	2	168	.63	.048	5	77	.86	173	.37	2	3.28	.01	.03	1
BPF-012	1	56	3	67	.3	30	13	292	4.50	2	5	ND	1	58	1	2	2	148	.60	.045	5	76	.67	39	.64	5	2.18	.01	.02	1
BPF-013	1	204	11	69	.1	18	19	295	5.19	8	5	ND	1	37	1	2	2	158	.40	.070	6	35	.43	46	.40	3	3.66	.01	.02	1
BPF-014	1	1299	4	27	.3	9	18	714	5.84	7	5	ND	1	40	1	2	2	136	.45	.090	6	21	.33	29	.54	2	2.19	.01	.02	1
BPF-015	1	133	7	35	.1	14	12	245	5.72	4	5	ND	1	48	1	2	2	158	.39	.089	5	28	.36	17	.45	2	2.30	.01	.02	1
BPF-016	1	78	8	45	.1	23	12	459	4.51	8	5	ND	1	48	1	2	2	121	.43	.102	6	31	.65	25	.34	3	3.70	.01	.02	1
BPF-017	1	43	8	52	.2	16	11	741	3.68	9	5	ND	1	30	1	2	3	99	.33	.123	5	26	.41	42	.24	5	3.37	.01	.03	1
BPF-018	1	50	4	35	.2	10	7	398	3.70	5	5	ND	1	31	1	2	2	115	.38	.083	5	25	.30	29	.27	2	2.42	.01	.03	1
BPF-019	1	91	10	32	.1	14	11	263	4.41	10	5	ND	1	32	1	2	2	126	.36	.068	5	35	.47	29	.35	2	3.76	.01	.02	1
BPF-020	1	56	6	26	.1	11	8	240	4.24	4	5	ND	1	44	1	2	2	128	.48	.056	5	25	.36	30	.37	2	2.23	.02	.02	1
BPF-021	1	106	2	25	.1	16	10	238	3.43	6	5	ND	1	31	1	2	4	79	.34	.116	7	42	.44	28	.19	3	5.45	.01	.01	1
BPF-022	1	76	13	37	.1	24	12	252	4.29	5	5	ND	1	35	1	2	2	118	.37	.061	7	48	.65	26	.36	2	3.34	.01	.01	1
BPF-023	1	88	12	43	.4	44	36	765	4.77	11	6	ND	1	35	1	2	5	124	.47	.092	8	73	.60	40	.30	6	4.91	.01	.02	1
BPF-024	1	98	9	66	.2	42	29	708	6.29	8	5	ND	1	57	1	2	3	175	.53	.084	7	66	.83	62	.43	3	4.25	.01	.02	1
BPF-025	2	59	12	41	.1	20	14	326	4.07	17	5	ND	1	38	1	2	2	100	.42	.065	5	33	1.86	34	.24	5	3.51	.01	.01	1
BPF-026	1	87	10	34	.1	22	12	283	4.38	5	5	ND	1	51	1	2	2	128	.44	.086	5	56	.83	18	.39	2	4.16	.01	.02	1
BPF-027	1	127	3	35	.1	31	15	278	4.70	6	5	ND	1	63	1	2	2	133	.50	.056	6	61	.75	27	.43	2	3.16	.01	.02	1
BPF-028	1	103	13	50	.2	26	19	463	6.09	5	5	ND	1	75	1	2	2	188	.61	.062	6	67	.58	46	.50	4	2.85	.01	.02	1
BPF-029	1	83	3	32	.1	19	11	241	3.91	6	5	ND	1	44	1	2	2	129	.48	.050	6	40	.52	22	.41	3	2.52	.01	.02	1
BPF-030	1	40	8	22	.2	7	5	204	3.81	2	5	ND	1	29	1	2	2	123	.32	.054	6	25	.20	16	.27	2	2.05	.01	.02	1
BPF-031	1	51	10	42	.1	13	14	393	4.79	5	5	ND	1	36	1	2	2	140	.39	.103	7	30	.34	43	.34	2	2.19	.01	.02	1
STD C	21	58	37	136	7.2	67	29	1023	3.94	41	18	8	33	48	18	16	21	63	.48	.111	39	58	.88	179	.08	36	1.72	.06	.13	12

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

DATE RECEIVED: SEPT 26 1986

DATE REPORT MAILED: Oct 6/86..

ASSAY CERTIFICATE

1.00 GRAM SAMPLE IS DIGESTED WITH 50ML OF 3-1-2 OF HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR.
AND IS DILUTED TO 100ML WITH WATER. DETECTION FOR BASE METAL IS .01%.
- SAMPLE TYPE: ROCK CHIPS AU* 10 GRAM REGULAR ASSAY

ASSAYER: D. Toye DEAN TOYE. CERTIFIED B.C. ASSAYER.

MINEQUEST EXPLORATION FILE # 86-2899A PAGE 1

SAMPLE#	Cu %	Zn %	Ag OZ/T	Au OZ/T
GRP 86-133	.38	.03	.13	.001
GRP 86-134	.80	.02	.22	.001
GRP 86-135	.85	.13	.63	.001
GRP 86-136	1.52	.01	.21	.001
GRP 86-137	12.03	.01	.11	.001

SAMPLE#	Cu PPM	Ag PPM	Au** PPB
GRP 86-138	1340	.1	5

APPENDIX II

Statement of Qualifications

STATEMENT OF QUALIFICATIONS

I, Giles R. Peatfield, hereby certify that:

1. I am a consulting geologist with a business office at #201-311 Water Street, Vancouver, British Columbia, V6B 1B8

2. I am a principal of MineQuest Exploration Associates Ltd., a company performing geological consulting and contract exploration services for the mineral exploration industry.

3. I am a graduate of the University of British Columbia (B.A.Sc., Geological Engineering, 1966) and of Queen's University at Kingston (Ph.D., 1978).

4. I am a fellow of the Geological Association of Canada, a Member of the Canadian Institute of Mining and Metallurgy, of the Mineralogical Association of Canada, of the Association of Exploration Geochemists, and of the Association of Professional Engineers of British Columbia.

5. I have practiced my profession as a geologist for more than 18 years.

PROFESSIONAL ENGINEER
PROVINCE OF
G. R. PEATFIELD
BRITISH COLUMBIA

Signed: G.R. Peatfield

G.R. Peatfield, P.Eng.

Dated at Vancouver, B.C. this
15th day of December, 1986

APPENDIX III

Cost Statement

APPENDIX III

COST STATEMENT

FROST LAKE GROUP

Fees and Wages

G.R. Peatfield 2.5 days field & travel at $485	$ 1,212.50	
G.R. Peatfield 2.5 days office at $485	1,212.50	$ 2425.00

MineQuest Charges

Vehicle 2.5 days at $50	125.00	
Photocopies in house	20.00	
Word Processing	75.00	220.00

Disbursements

Analyses	314.50	
Food and accommodation	79.24	
Fuel	34.00	
Ferry toll	38.00	
Parking	8.00	
Maps	4.28	
Reprographics	8.00	
	486.02	
10% Over-ride	48.60	534.62
		$3,179.62

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
G. R. PEATFIELD

G. R. Peatfield

APPENDIX IV

Statement of Exploration and Development

20C

31292 - 331.

Province of British Columbia Ministry of Energy, Mines and Petroleum Resources
MINERAL RESOURCES DIVISION — TITLES BRANCH

SUB-RECORDER
260 997J
SEP 26 1986
200
VANCOUVER, B.C.

MINERAL ACT

STATEMENT OF EXPLORATION AND DEVELOPMENT

I, G.R. Peatfield (Name) — Agent for Beau Pre Explorations Ltd. (Name)

201-311 Water Street (Address) — 1027 Pandora Avenue (Address)

Vancouver, B.C. — Victoria, B.C.

V6B 1B8 (Postal Code) 669-2251 (Telephone Number) — V8V 3P6 (Postal Code) 382-1455 (Telephone Number)

Valid subsisting F.M.C. No. 220683 PEATGR — Valid subsisting F.M.C. No. 279065 BEAPRE

STATE THAT

1. I have done, or caused to be done, work on the F.R.S. #1 and Helga #1 (Frost Lake Group) Claim(s)

Record No(s). 1092, 1103

Situate at Frost (Doe) Lake, Lens Ck. in the Victoria Mining Division,

to the value of at least 3,100.00 dollars. Work was done from the 22nd day

of September 19 86, to the 26th day of September 19 86

2. The following work was done in the 12 months in which such work is required to be done:

[COMPLETE APPROPRIATE SECTION(S) A, B, C, D, FOLLOWING]

A. PHYSICAL (Trenches, open cuts, adits, pits, shafts, reclamation, and construction of roads and trails.)

(Give details as required by section 13 of regulations.)

	COST
A COPY OF THIS STATEMENT MUST BE SUBMITTED WITH EACH REPORT. REPORTS MUST BE RECEIVED ON OR BEFORE DECEMBER 29, 1986.	
IF YOUR REPORTS HAVE BEEN SUBMITTED, RETURN THIS STATEMENT WITH THE FOLLOWING INFORMATION	
REPORT TITLE:	
REPORT SUBMITTED TO:	
DATE REPORT SUBMITTED:	
TOTAL PHYSICAL	

I wish to apply $ ..... of physical work to the claims listed below.

(State number of years to be applied to each claim, its month of record, and identify each claim by name and record number.)

B. PROSPECTING (Details in report submitted as per section 9 of regulations.)
(The itemized cost statement must be part of the report.)

COST

I wish to apply $ ..... of this prospecting work to the claims listed below.

(State number of years to be applied to each claim, its month of record, and identify each claim by name and record number.)

(For C and D sections, please turn over.)

C. DRILLING (Details in report submitted as per section 8 of regulations.) (The itemized cost statement must be part of the report.)	COST

D. GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL (Details in report submitted as per section 5, 6, or 7 of regulations.) (The itemized cost statement must be part of the report.) (State type of work in space below.)	
Geological mapping, soil sampling, rock assays	$3,100.00
(Report to follow)	
TOTAL OF C AND D	$3,100.00

Where the above statement requires a technical report as per section C of the Mineral Act Regulations, the author of the report shall complete both copies of the ASSESSMENT REPORT TITLE PAGE AND SUMMARY form and include the completed forms in the assessment reports.

Who was the operator (provided the financing)?

Name Beau Pre Explorations Ltd.

Address 1027 Pandora Ave.
Victoria, B.C. V8V 3P6

Portable Assessment Credits (PAC) Withdrawal Request Amount to be withdrawn from owner(s) or operator(s) account(s):	Name of Owner/Operator	AMOUNT
[May be no more than 30 per cent of value of the approved work submitted as assessment work in C and (or) D.]	1. Beau Pre Explorations Ltd.	$900.00
	2.	
	3.	
	TOTAL WITHDRAWAL	$900.00
	TOTAL OF C AND (OR) D PLUS PAC WITHDRAWAL	$4,000.00

I wish to apply $ 4,000.00 of this work to the claims listed below.

(State number of years to be applied to each claim, its month of record, and identify each claim by name and record number.)

F.R.S.#1 - 1092 - recorded Sept 29 - 20 units - apply 1 year - $2,000.00
Helga #1 - 1103 - recorded Oct 14 - 20 units - apply 1 year - $2,000.00
1092 37292-311 $4,000.00
1103 37312-331

Value of work to be credited to portable assessment credit (PAC) account(s).
[May only be credited from the approved value of C and (or D) not applied to claims.]

Name of owner/operator	Name	AMOUNT
	1.	
	2.	
	3.	

I, the undersigned Free Miner, hereby acknowledge and understand that it is an offence to knowingly make a false statement or provide false information under the *Mineral Act*. I further acknowledge and understand that if the statements made, or information given, in this Statement of Exploration and Development are found to be false and the exploration and development has not been performed, as alleged in this Statement of Exploration and Development, then the work reported on this statement will be cancelled and the subject mineral claim(s) may, as a result, forfeit to and vest back to the Province.

Signature of Applicant

WORK SHEET

APPLICATION OF WORK ON MINERAL CLAIMS AND 2 POST CLAIMS

Mining Division .....Victoria.....

Notice to Group No. 556 Date Work Recorded August 13, 1987

Date Notice to Group Recorded Sept. 18 /84 Mining Receipt No. 095465J

Work type code:
- P Physical
- D Drilling
- S Legal Survey (single claim)
- G Geological Survey
- PR Prospecting
- PS Legal Survey (Perimeter)

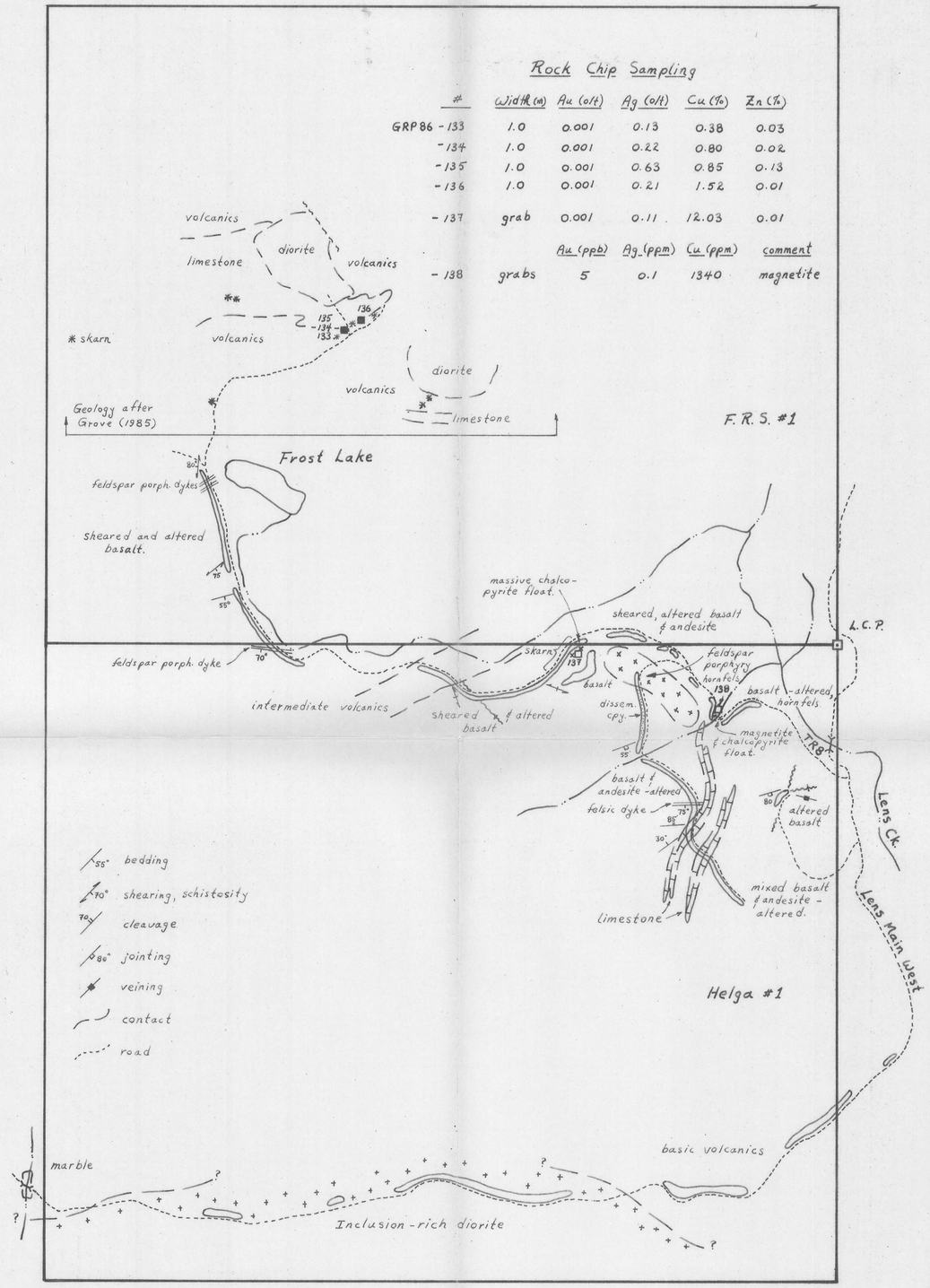
Standing of claim as a result of this recording

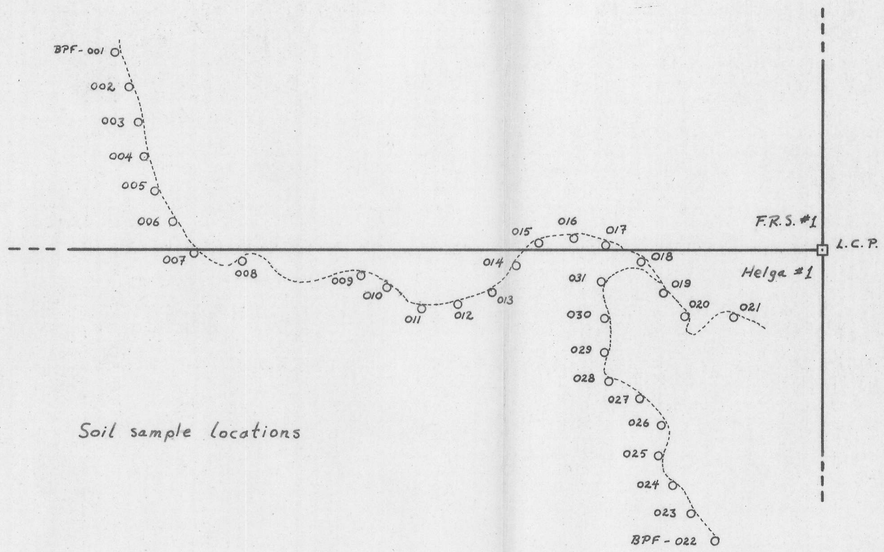
(1) Work No.(s)	(2) Type of Work	(3) C/L in $	(4) Name(s) of Claim(s)	(5) No. of Units	(6) Record No.(s)	(7) Month of Record	(8) Penalty Fee(s) $	Approved work being applied as per statement (includes work to be credited) (9) Value in $	(10) No. Yrs./Claim	(11) Fee Paid	Credits immediately PRIOR to this recording: (12) WORK in $	(13) RENT in $	(14) Year of Expiry	Claim now has credits of: (15) WORK in $	(16) RENT in $
47923-47962	G		FRS #1	20	1092	Sept.		4000	1	200			1988		
47963-48042	G		Helga #1	20	1103	Oct.		8000	2	400			1989		

Rock Chip Sampling

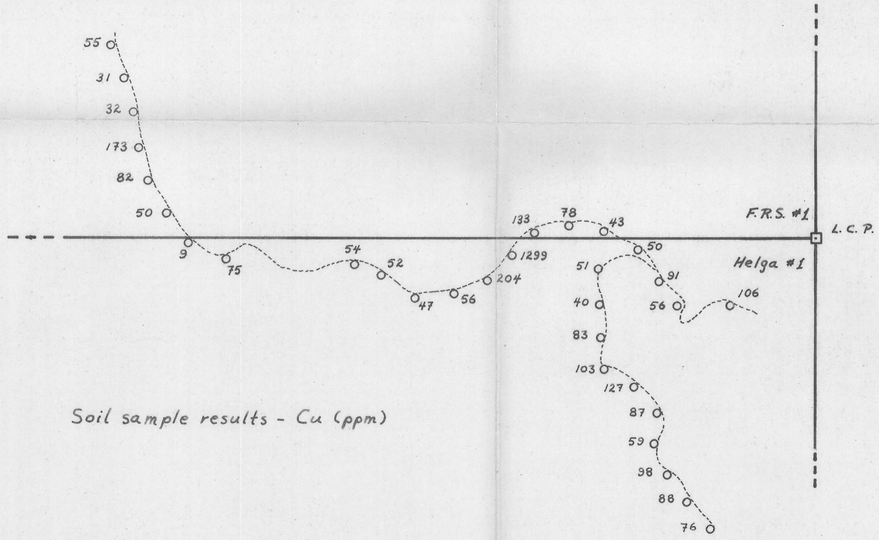
#	Width (m)	Au (oz/t)	Ag (oz/t)	Cu (%)	Zn (%)
GRP86 - 133	1.0	0.001	0.13	0.38	0.03
- 134	1.0	0.001	0.22	0.80	0.02
- 135	1.0	0.001	0.63	0.85	0.13
- 136	1.0	0.001	0.21	1.52	0.01
- 137	grab	0.001	0.11	12.03	0.01

		Au (ppb)	Ag (ppm)	Cu (ppm)	comment
- 138	grabs	5	0.1	1340	magnetite





Soil sample locations



Soil sample results - Cu (ppm)

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
G. R. PEATFIELD

G.R. Peatfield
P.Eng.

Scale 1:10,000

200 0 200 400 600 m.

inches 0 1 2
0 1 2 3 4 5 centimetres

BRITISH COLUMBIA GEOLOGICAL SURVEY

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

Beau Pre Explorations Ltd.			
Frost Lake Property			
GEOLOGY & GEOCHEMISTRY			
Plan # 948	Dec. 1986	N.T.S. 92C/9E	Fig. 2
G.R. Peatfield			
Mine Quest Exploration Associates Ltd.			