

3271

Geochemical-Geological Report

NORFA CLAIMS

Chilco Lake, Clinton M. D.

51° - 124°

L. E. DeBriske, B.Sc.

Franklin Price, P.Eng.

92N1E

BEAUMONT RESOURCES LTD.

August 20 - September 30, 1971

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO 3271 MAP

FRANKLIN L. C. PRICE
PROFESSIONAL MINING ENGINEER

318 THE BUNRARD BUILDING • VANCOUVER 8 CANADA • TELEPHONE 698-8733 • AREA CODE 604 • CABLE PRICECO VANCOUVER

204 HOOKER HOUSE • 7 ANGEL PLACE • SYDNEY AUSTRALIA • TELEPHONE 28-4613 • CABLE PRICECO SYDNEY

October 1st, 1971

Beaumont Resources Ltd.,
Ste. 1790, 777 Hornby Street,
Vancouver 1, B.C., Canada.

Dear Sirs,

We have completed certain work on your group of 45 claims called the "Norfa" located on the south shore of Franklyn Arm of Chilko Lake, in the Clinton Mining Division. The geological mapping was done by R. E. Renshaw and L. E. DeBriske, and I acknowledge their able assistance.

These claims are located in a remote portion of the Clinton Mining Division, which made it necessary for us to fly the crew to Campbell River and charter an aircraft there to fly into the camp. The charter served the camp with mail and fresh supplies weekly.

The following expenses were incurred in this work:

LABOUR

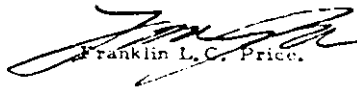
L. Debriske			
August 18 - September 9 @ \$50.00/pd			\$ 1,100.00
R. Renshaw			
August 20 - August 31	" "		550.00
B. Whittaker			
August 20 - August 27 @ \$25.00/pd			200.00
T. Robinson			
August 25 - September 6	" "		325.00
D. Soon			
August 20 - September 9	\$15.00 "		300.00
F. Price - 4 days @ \$150.00/pd			600.00
			<hr/>
			\$ 3,075.00
			<hr/>

EXPENSES

Pacific Western Airlines Vancouver to Campbell River	\$ 204.00
Trans Mountain Airways Air Charters	707.10
Power Saw Rental	61.76
Soil Sampling Express	143.20
Groceries	319.42
Supplies for Camp	237.09
Drafting and Typing	127.00
	<hr/>
	\$ 1,799.57
	<hr/>
Total Cost of Project	<u>\$ 4,874.57</u>


We are enclosing the report for your files.

Respectfully submitted,


Franklin L. C. Price.

flcp/e
encl.

DECLARED before me at the City
of Vancouver, in the Province of British
Columbia, this 12th day of October, 1971


A Commissioner for taking Affidavits for British Columbia

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DRAWINGS:

21 100000 11.4
2 Claim Map

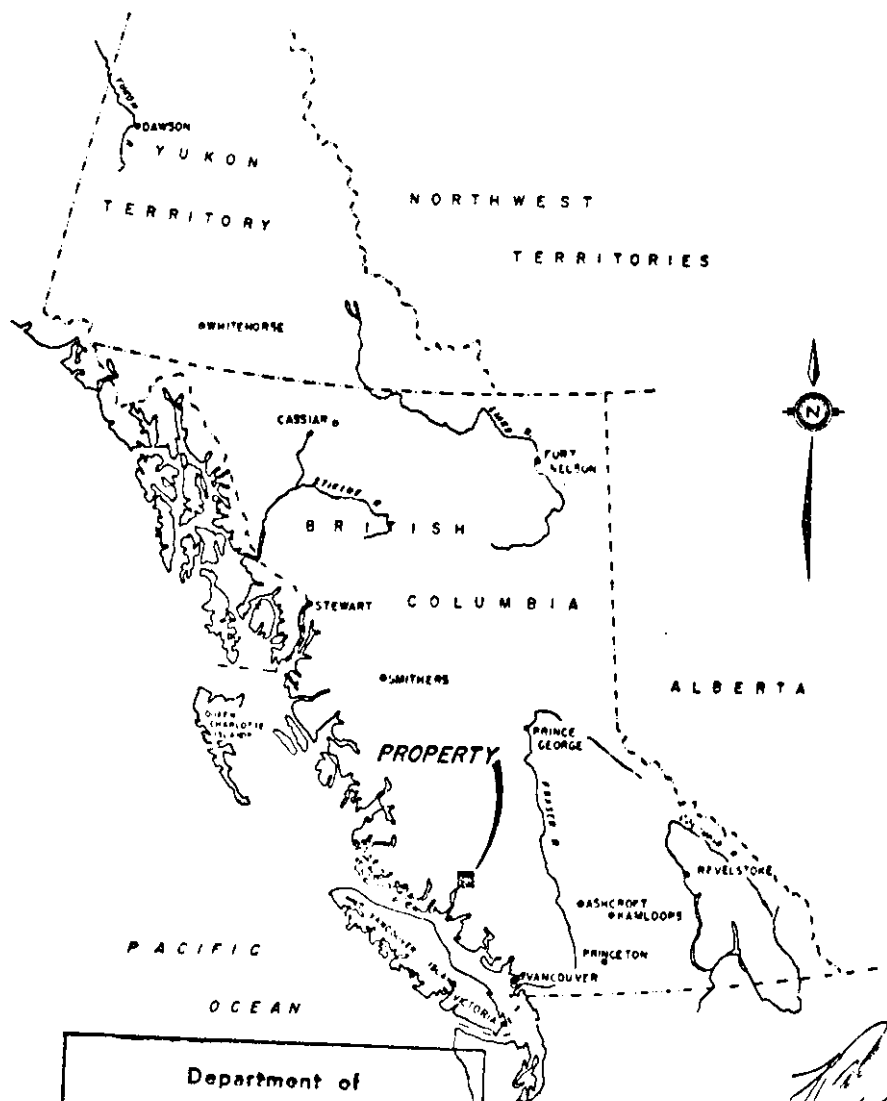
3 General Geology

4 Geology of Norfa Claim Area

5 Geochemical Drawing

APPENDIX "A" - SOIL SAMPLE FIELD SHEET

APPENDIX "B" - CREST LABORATORIES (B. C.) LTD.



Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 3271 MAP 77-1

FRANKLIN PRICE
 PROFESSIONAL MINING ENGINEER
 BEAUMONT RESOURCES LTD.
 CHILKO PROJECT
LOCATION MAP
 NORFA GROUP
 SCALE 1" = 10 Miles (1 page) OCT. 1972

INTRODUCTION

This report is a description of a line-cutting, geochemical and geological programme completed on the Norfa claims of Beaumont Mines Ltd. The field programme was begun on August 20th and completed September 13, 1971.

LOCATION AND ACCESS

The property is located approximately 140 miles north by northwest of Vancouver, British Columbia, Canada, south of the west end of Franklyn Arm on Chilco Lake. The co-ordinates of this area are latitude $51^{\circ} 10'$ and longitude $124^{\circ} 10'$.

Access can be gained by float equipped aircraft or boat, and thence by foot to the property. A helicopter could land either on the shore of Franklyn Arm or at various places above timberline within the property. A good secondary highway exists from the City of Williams Lake to the north end of Chilco Lake where boats can be rented.

PROPERTY

The mineral claims that we examined were located on the south side of Franklyn Arm or Chilco Lake. The claims are contiguous in

one block.

<u>The claims are:</u>	<u>Record Number</u>
Norfa 17 - 32	22662 - 22677
Norfa 33 - 50	22959 - 22976
Norfa 66 - 68	22691 - 22693
Norfa 70 - 77	22977 - 22984
Total of 45 claims.	

HISTORY

The general area has received attention by major and junior companies throughout the years since the early 1900's. Early prospecting and development was restricted to precious metals, principally gold, and high grade deposits of base metals. About 1910, two significant properties were discovered; one near the south end of Tatlayoko Lake, known as the Norris mine, and the other near the southwest corner of Franklyn Arm. The latter property is a pyrometamorphic deposit in limestone, known presently as the Daisy claims, while the Norris mine consists of quartz fissure veins. Although exploration work is still progressing on several properties in the area, no large scale development projects are being done.

PRESENT EXPLORATION

A line cutting and associated geochemical programme involved the cutting and chaining of 8, 200 feet of line with the obtaining of 85 soil samples. The geology was mapped along these lines in addition to a random traverse south of the lines.

GEOLOGY

Regional Geology

In describing the general geology of the southern part of Chilco Lake information is extracted from Mr. Dolmage's report on the area, publication No. 2063 of the Geological Survey of Canada.

The geological boundaries in this region follow in a general way the physiographic boundaries and strike in a westerly and northwesterly direction. The granitic rocks of the Coast Range batholith, quartz diorite and granodiorite, intrude Triassic volcanic and sedimentary rocks to the north. These Triassic rocks consist of thick flows of andesite and basalt, chiefly the former, interbedded with great thicknesses of andesitic and rhyolitic tuff and smaller amounts of sandstone, conglomerate, argillite, and limestone. The less competent beds, such as the argillites, are in places intensely sheared. The rocks along the contact of the Coast Range batholith are metamorphosed and extensively impregnated with pyrite and pyrrhotite.

Local Geology:

The rock types found on the property, in an over-simplified fashion, can be divided into sedimentary rocks in the northern area and volcanic rocks in the southern part. The division boundary between these rock types appears to be marked by a southwesterly trending gossan band. This band is distinctive because of oxidized disseminated pyrite and pyrrhotite, although copper and molybdenum mineralization has been reported in that area. This band is composed of hornfelsic argillite which contains minor chert bands and appears to be bounded on the northern edge by narrow basic intrusive rocks including diabase and serpentinite. The metamorphosed argillite continues to the north; volcanic rocks predominate to the south and they consist mainly of basic flows and tuffs.

Intruding both sedimentary and volcanic rocks are granodiorites that vary slightly in composition and texture, and which likely belong to the Coast Range batholith. In addition to the previously mentioned basic intrusions there exist cross-cutting porphyry and lamprophyre dykes.

Bedding attitudes are extremely difficult to obtain because of the metamorphism that has occurred along with igneous activity. Both jointing and bedding appear to be of random distribution; thus indicating minor folding within the volcanic and sedimentary horizons. The

strongly linear position of the gossan contact eliminates the possibility of intensive folding within the claim area, although regional folding is evident on the surrounding mountains.

GEOCHEMISTRY SURVEY

The first work on this survey was to cut and blaze lines that would cut across the strike of the country. It was assumed the rock trend is southwest; so the location line of the claims was selected for the soil sampling lines.

Three lines were cut running north-south and these were marked every 100 feet. Samples were then taken along these lines. The details of this work have been attached to this report. The samples were taken and marked in the field, then air dried in camp. The dried soil was then sent to Vancouver to the laboratory. The sample was then screened and the -80 mesh was used to arrive at the final sample. The results were obtained on an atomic absorption machine. The outcome of the soil sampling is interesting and encouraging.

Line A is above background for over 600 feet from 34- South to 41- South. Both the copper and molybdenum are high over this area. From a study of the results of this sampling, it would be safe to assume that 100 p. p. m. of copper or 10 p. p. m. of molybdenum would be

anomalous.

The B line is high for copper and is 800 feet from 6 south to 14 south, and may carry on as the last sample taken was high. The molybdenum on the B line is not as interesting as the A line, where five high molybdenum samples were found.

The C line is erratic and difficult to appraise. The one high reading at 1- south is probably due to some copper from the veins on the Daisy Group, just 100 feet north. The wide spacing of the lines in this reconnaissance type survey makes it impractical to tie the lines together. More samples will be needed on fill-in lines.

Indications from the geochemical analyses for copper and molybdenum indicate a favourable environment for economic mineralization within the northern part of the property, particularly, along intrusive contact areas and below the previously mentioned gossan band (See Appendix).

SUMMARY

The claim area of Beaumont Resources Ltd. is favourably located in juxtaposition to the Daisy claims, wherein obvious copper, zinc and molybdenum mineralization occurs. In addition, there are

reported copper and molybdenum mineral showings within the Norfa claims of Beaumont Resources Ltd. The claim area has an extensive gossan band containing sulphides that extends diagonally in a southwest direction across the claims. The complexity of the previously described geology also creates an interesting environment for localization of significant mineral deposits.

APPENDIX "A"

SOIL SAMPLE FIELD SHEET

Samplers: A. L. DeBriske and T. Robinson,

Location: South and West of Franklyn Arm, Chilco Lake, B. C.

Location	Soil	Notes	Results, ppm	
			Cu	Mo
A-26-S	loam	heavy timber, E sloping ridge	29	
A-25-S	"	" " NE'yly steep slope	40	
A-24-S	"	" " " " "	29	
A-23-S	"	" " " " "	20	
		In snow chute.		
A-22-S	gravel	In small creek bed.	52	
A-21-S	loam	Heavy timber, NE steep slope	26	
A-20-S	loam	Heavy timber, NE steep slope	29	
A-19-S	"	" " " " "	11	
A-18-S	"	" " " " "	13	
A-17-S	"	" " " " "	33	
A-16-S	"	" " " " "	22	
	partly organic			
A-15-S	loam	" " NE'yly snow chute	40	
A-14-S	"	" " Steep NE slope	36	
A-13-S	"	" " " " "	40	
A-12-S	"	" " " " "	10	
A-11-S	"	" " N slope	10	
A-10-S	"	" " " " "	24	
A- 9-S	"	" " " " "	15	
A- 8+50-S	"	" " " " "	Lost	
A- 8-S	organic loam	" " " steep	34	
A- 7-S	"	" " " " "	31	
A- 6-S	loam	" " moderate N slope	20	
A- 5-S	organic loam	" " steep N slope	42	
A-3+50-S	gravel	Small NE flowing creek bed, slide alders	56	8
A- 2-S	mainly organic	Slide alders, NE slope	62	17
A- 1-S	loam	Heavy timber, low NE slope	39	
A- 0-S	loam	@ L. P. Norfa 33 and 34 top of cliff	44	
C-22-S	Clay-loam	In talus @ base of lip of NW trenching cirque above timber line.	60	4
C-21-S	" "	" " " " "	54	4
C-20-S	" "	Begin moss	50	2
C-19-S	" "	Sparse spruce shrubs	48	
C-18-S	" "	" " " " "	32	

Location	Soil	Notes	Results, ppm	
			Cu	Mo
C-17-S	Clay-loam	spare spruce shrubs	34	
C-16-S	loam	edge of timber line	26	
C-15-S	"	" " " "	96	8
C-14-S	"	small timber, begin steep NW	86	8
C-13-S	"	along barren rock	72	4
C-12-S	"	" " "	70	5
C-11-S	"	talus @ edge of small creek	60	2
C-10-S	"	S side of large creek, top of bluff	54	4
C- 9-S	"	S edge " " " NW trenching	90	6
C- 8-S	"	slide alder " "	56	2
C-7-S	"	edge of slide alder and barren rock S of large creek	86	7
C-6-S	"	slide on SE edge of large creek	60	2
C-5-S	"		60	2
C-4-S	"	slide alder on rock slide	52	2
C-3-S	"	slide alder	50	2
C-2-S	"	heavy timber, mod to steep N trenching ridge	36	
C-1-S	"	" " " "	28	
C-0-S	"	" " " "	38	
C-01-S	"	I. P. Norfa 66 and 67. Top of outcrop containing malachite stain near C-0-S	235	3
B-14-S	loam	heavily timbered, steep NNW slope	120	19
B-13-S	"	" " " " " "	80	5
B-12-S	"	" " center steep NN to rock slide	132	6
B-11-S	organic-loam	" " cliff	90	4
B-10-S	loam	" " "	78	4
B- 9-S	"	" " "	64	4
B- 8-S	organic-loam	" " "	154	2
B- 7-S	loam	" " "	225	2
B- 6-S	organic	talus	106	2
B- 5-S	"	" moss covered	36	
B- 4-S	organic-loam	steep N slope	48	
B- 3-S	organic	" " " talus in slide alder	46	
B- 2-S	"	" " " " " "	64	4
B- 1-S	"	" " " " " "	142	2
B- 0-S	"	" " " " " "	98	2
A-40-S	organic-loam	I. P. Norfa 17 and 18. bank of small E flowing creek	28	
A-45-S	loam	mod E slope, heavily timbered	24	
A-44-S	"	S bank of E flowing small creek	42	
A-43-S	"	N bank " " " "	28	

<u>Location</u>	<u>Soil</u>	<u>Notes</u>	<u>Results, ppm</u>	
			<u>Cu</u>	<u>Mo</u>
A-42-S	loam	F sloping ridge (moderate),	32	
A-42-S		timbered		
A-41-S	"	S bank small E flowing stream	240	13
A-40-S	"	steep E slope	44	
A-39-S	"	" " " slide alder	310	10
A-38-S	"	" " "	Lost	
A-37-S	"	" " "	92	18
A-36-S	"	" " "	140	14
A-35-S	"	" " "	70	11
A-34-S	"	" " "	132	9
A-33-S	"	" " "	48	
A-32-S	"	" " "	59	4
A-31-S	"	" " "	41	
A-30-S	"	" " "	34	
A-29-S	"	" " "	19	
A-28-S	"	" " "	64	4
A-27-S	"	" " "	32	

APPENDIX "B"

CREST LABORATORIES (B.C.) LTD.

INC. REGISTERED ASSAYERS
VICTORIA, BRITISH COLUMBIA

1068 HOMER STREET,
VANCOUVER 1, B.C.

Sept. 27, 1971

Mr. Franklin L. C. Price,
318 Burrard Building,
Vancouver 5, B.C.

Lab. No. 6906

Geochemical analysis for moly and copper

Nesh Size: - 80
Analytical Method: Atomic Absorption + Colorimetric
Digestion Method: $\text{HClO}_4 + \text{HNO}_3$

Sample Marked:	Moly ppm	Copper ppm	Sample Marked:	Moly ppm	Copper ppm
A - 0 S		44	A - 24 S		29
1		39	25		40
2	17	62	26		29
3 + 50	8	56	27		32
5		42	28	4	64
6		20	29		19
7		31	30		34
8		34	31		41
9		15	32	4	59
10		24	33		48
11		10	34	9	132
12		10	35	11	70
13		40	36	14	140
14		36	37	18	92
15		40	39	10	310
16		22	40		44
17		33	41	13	240
18		13	42		32
19		11	43		28
20		29	44		42
21		26	45		24
22		52	46		28
23		20	B 0 S	2	98

Mr. Franklin L. C. Price,
 Lab No. 690C,
 Sept. 27, 1971
 Page 2 ...

Sample Marked:			Moly ppm	Copper ppm	Sample Marked:			Moly ppm	Copper ppm
B	1	S	2	98 142	G	9	S	6	90
	2		4	64		10		4	54
	3			46		11		2	60
	4			48		12		5	70
	5			36		13		4	72
	6		-2	106		14		8	86
	7		-2	225		15		8	96
	8		-2	154		16			26
	9		4	64		17			34
	10		4	78		18			32
	11		4	99		19			48
	12		6	132		20		2	50
	13		5	80		21		4	54
	14		19	120		22		4	60
C	0	S		38					
	01		3	235					
	1			28					
	2			36					
	3		2	50					
	4		2	52					
	5		-2	60					
	6		2	60					
	7		7	86					
	8		2	56					

Yours truly,

CREST LABORATORIES (B.C.) LTD.,

F. C. Burgess

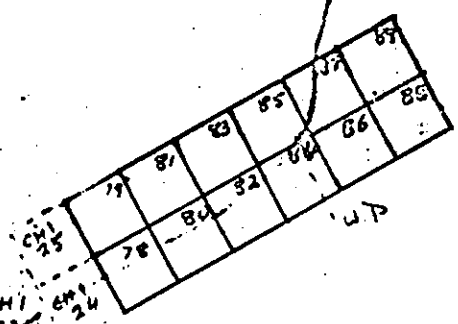
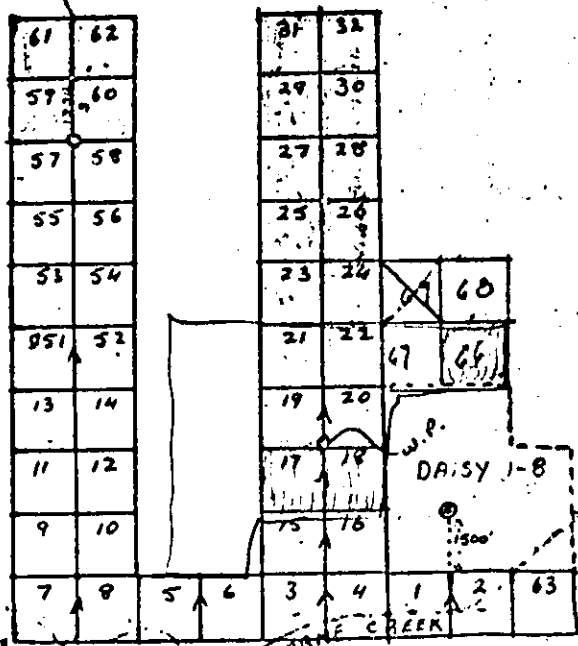
Chief Analyst

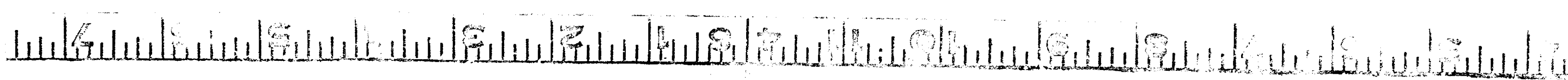
DATA COMPILED

NORPA 1-32 196001M-19603
 " 51-63 196051M-19606
 " 78-89 196078M-19608

WITNESS CLAIMS

WITNESS
 DATA COMPILED
 DATA COMPILED
 WITNESS CLAIMS
 WITNESS CLAIMS





DAISY
GROUP

				34	33
		18	17	36	35
		20	19	38	37
67	66	22	21	40	39
69	68	24	23	42	41
71	70	26	25	44	43
73	72	28	27	46	45
75	74	30	29	48	47
77	76	32	31	50	49

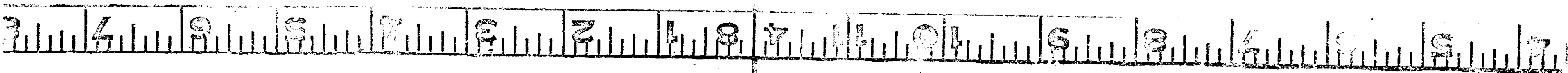


Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 3271 MAP #2

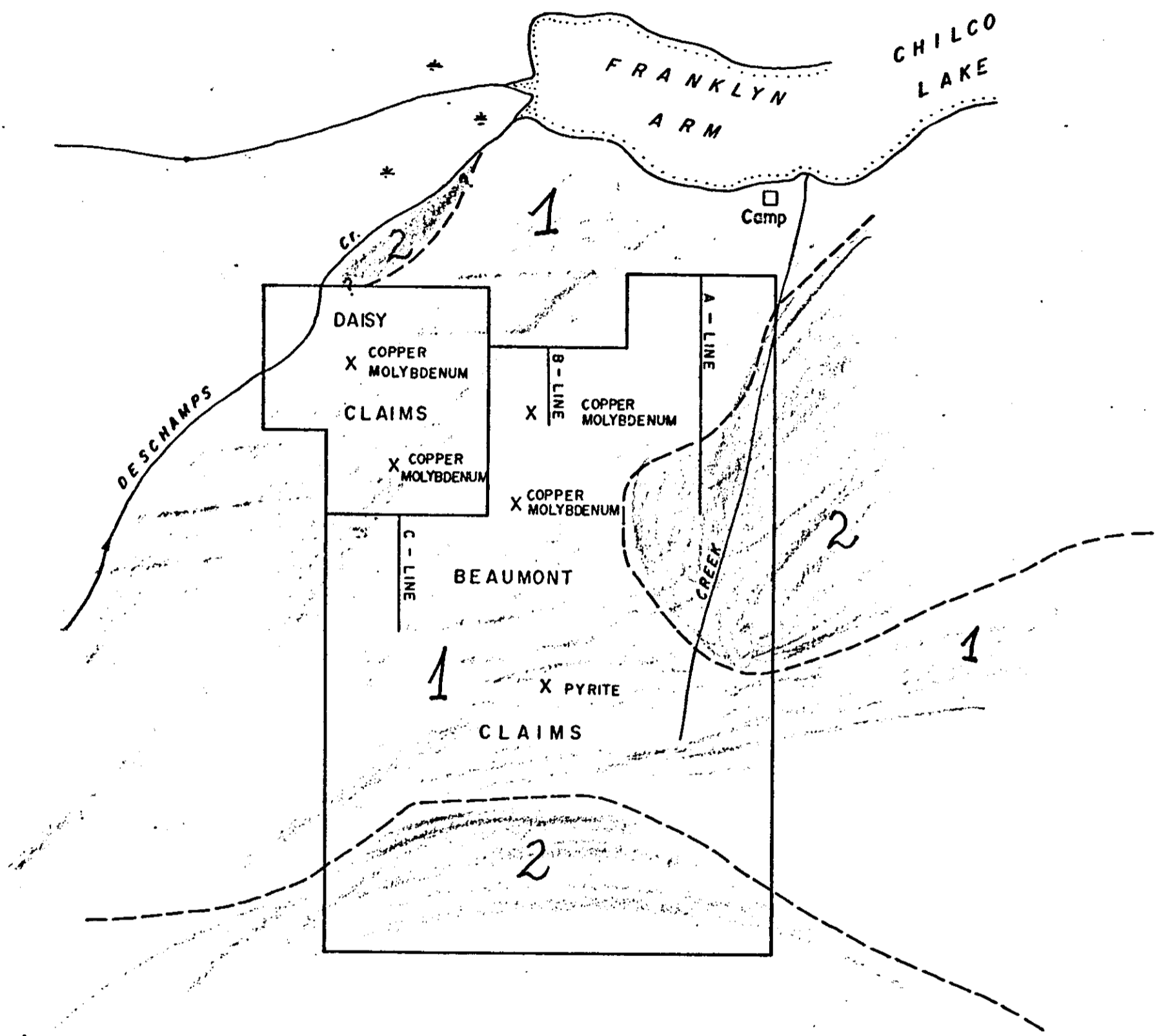
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FRANKLIN PRICE PROFESSIONAL MINING ENGINEER	
BEAUMONT RESOURCES LTD. CHILKO PROJECT	
CLAIM MAP NORFA GROUP	
SCALE: 1" = 1500'	DATE: OCT. 1971

3271 M-2



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 3271 MAP #9



- LEGEND**
- GRANITIC ROCK OF THE COAST RANGE BATHOLITH.
 - VOLCANIC AND SEDIMENTARY ROCK ASSEMBLAGE.
 - X MINERALIZED SHOWING
 - - - GEOLOGICAL BOUNDARY

Franklin Price
R. Renshaw

Mt. Good Hope
△ 10,680 Ft.

FRANKLIN PRICE PROFESSIONAL MINING ENGINEER	
BEAUMONT RESOURCES LTD. CHILCO PROJECT	
REGIONAL GEOLOGY	
DATA BY: R. RENSHAW	SCALE: 1" = 3000 Ft.
DATE: OCT. 1971	



DAISY
CLAIMS

LINE C

NORFA 66

2
Volcanics ?

Diabase

Hornfels

Porphyry dike

Lamprophyre

NORFA 18

Argillites

Serpentinite

LINE B

NORFA 17

Sedimentary

NORFA CLAIMS

2

Volcanic

X Volcanics

X Volcanics

Porphyry dike

NORFA 34

NORFA 33

20-25 POOR

Volc.

Diomite dike

Volc.

Diabase

XXXX

LEGEND

- Granitic rocks
- Volcanic rocks
- Sedimentary rocks
- Bedding and dip
- Jointing and dip
- Geological Boundary
- Traverse
- Outcrop location

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 3271 MAP #4

FRANKLIN PRICE
PROFESSIONAL MINING ENGINEER

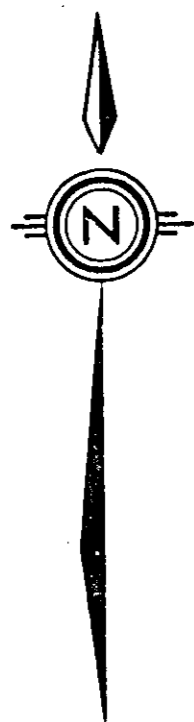
BEAUMONT RESOURCES LTD
CHILKO PROJECT

GEOLOGY OF
NORFA GROUP

GEOLOGY - A.L. DE BRISKE

SCALE 1" = 400'

DATE OCT 1971



DAISY
CLAIMS

LINE C

• 235, 3
38

28
36
50, 2
52, 2
60, 2
60, 2
66, 7
56, 2
90, 6
54, 4
60, 2
70, 5
72, 4
66, 8
96, 8
26
34
32
48
50, 2
54, 4
60, 4

NORFA 66

LINE B

98
142, 2
64, 4
46
48
36
106, -2
225, -2
154, -2
64, 4
76, 4
90, 4
132, 6
80, 5
120, 19

NORFA 18

NORFA 17

NORFA CLAIMS

NORFA 34

LINE A

44
39
62, 17
56, 8
42
20
31
34
15
24
10
10
40
22
33
13
11
29
26
52
20
25
40
29
32
64, 4
19
34
41
59, 4
48
132, 9
70, 11
140, 14
92, 18
310, 10
44
240, 13
32
28
42
24
28

NORFA 33

LEGEND

80, 13 — Cu., Mo. (in PPM)

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 3271 MAP #5

FRANKLIN PRICE
PROFESSIONAL MINING ENGINEER
BEAUMONT RESOURCES LTD
CHILKO PROJECT
GEOCHEMICAL SURVEY
SCALE 1" = 400' DATE OCT 1971