

IGNA engineering & consulting ltd.

St # 912 # 8819

GEOLOGICAL
REPORT ON
THE GO PROPERTY
WELLS, B. C.
CARIBOO, M. D.
N.T.S. 93H 4/E
LAT. 55⁰9' N LONG. 123⁰35' W

By: I. Borovic, P. Eng.
Geologist

September 2, 1980
Vancouver, B. C.

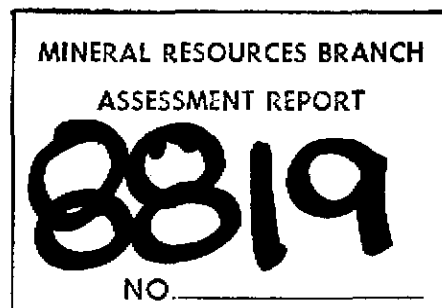
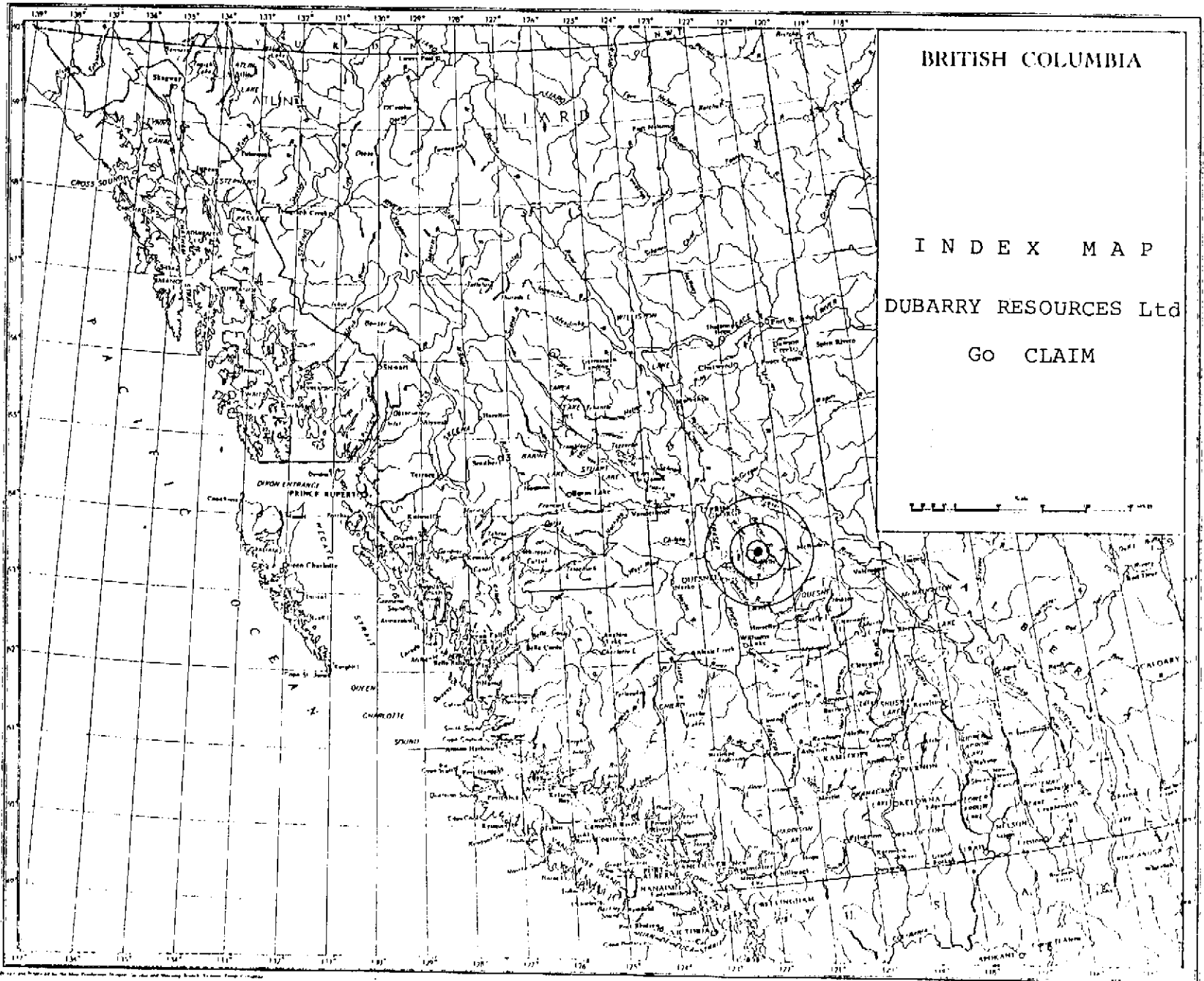


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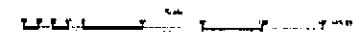


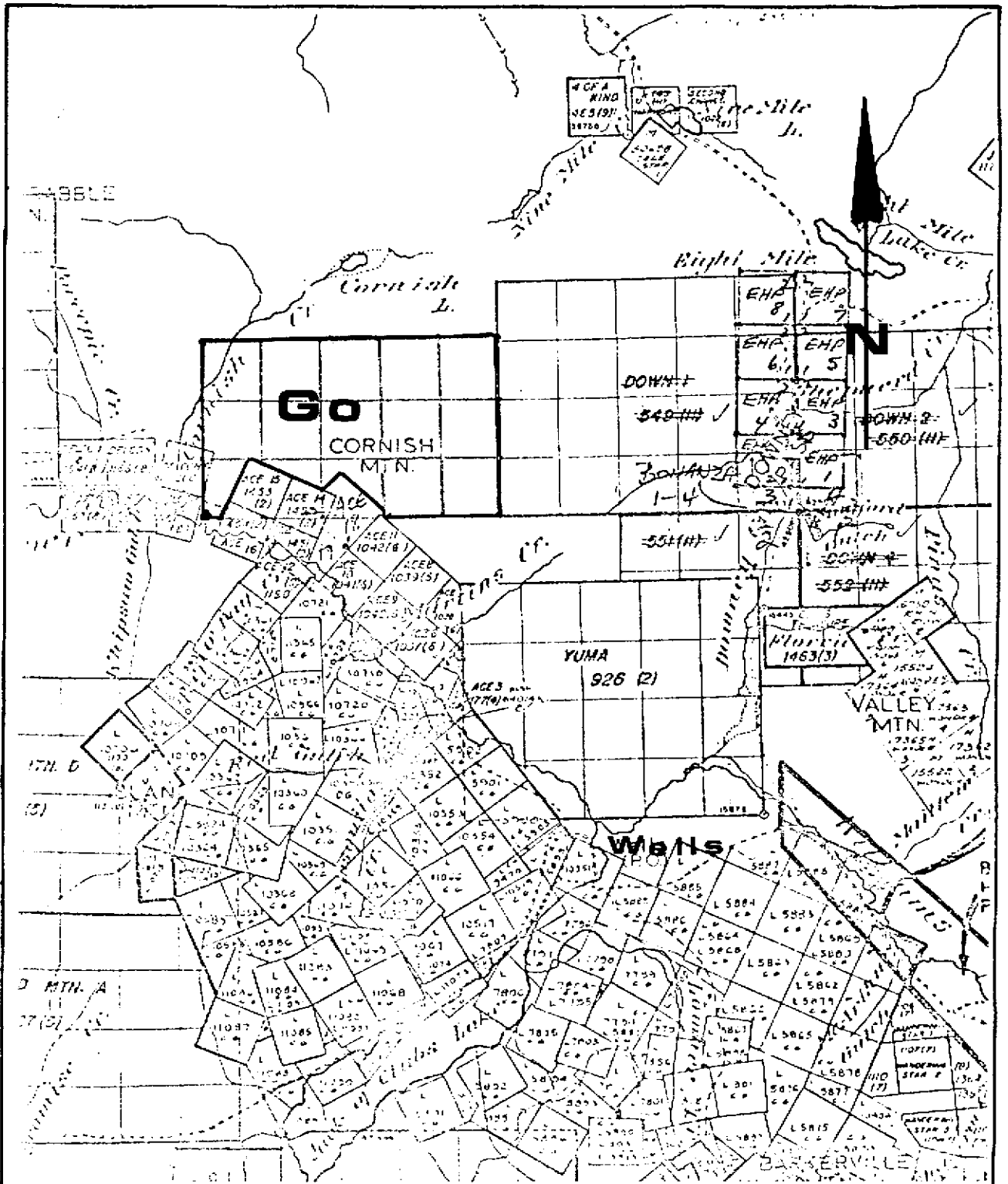
BRITISH COLUMBIA

INDEX MAP

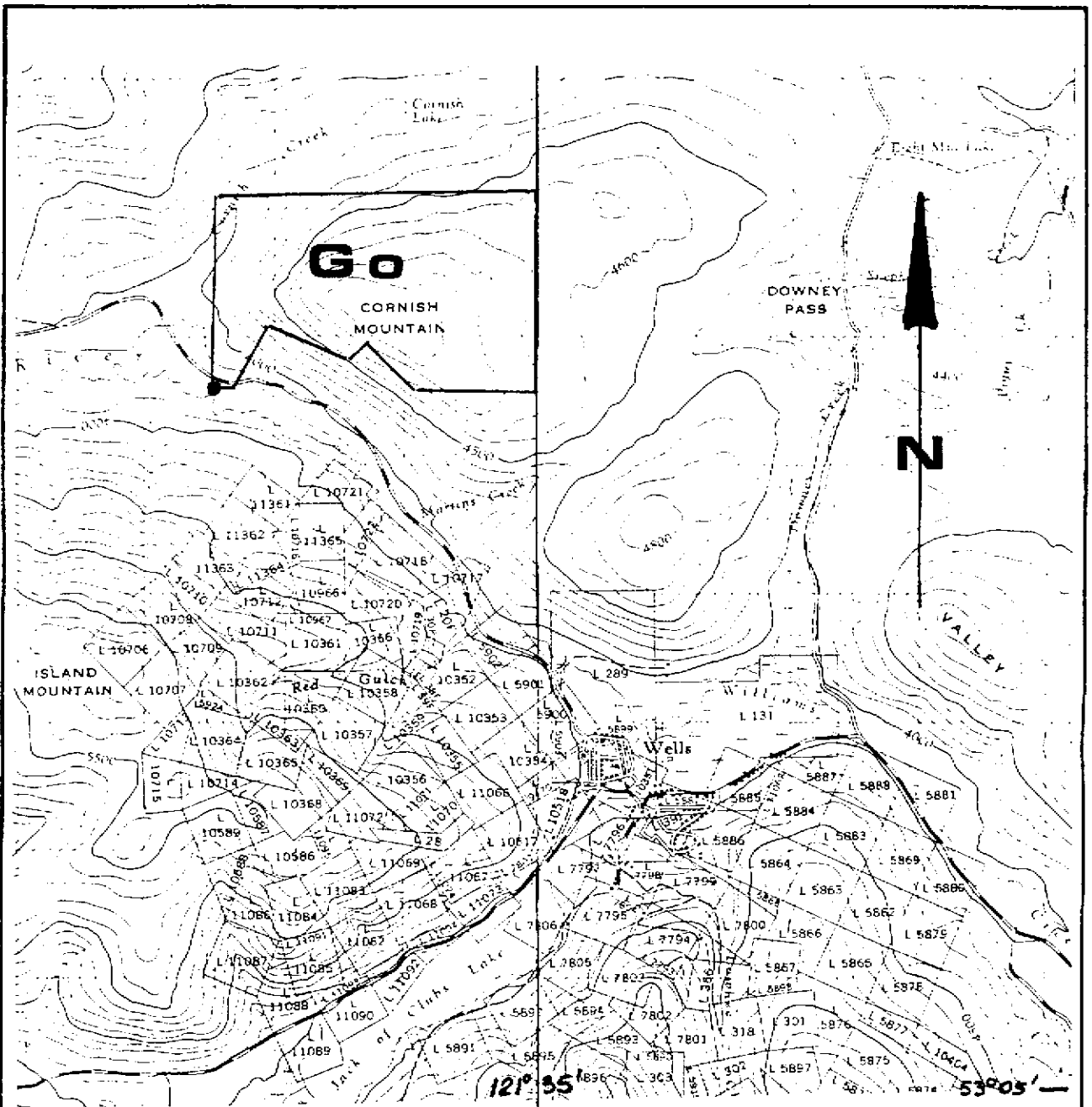
DUBARRY RESOURCES Ltd

GO CLAIM

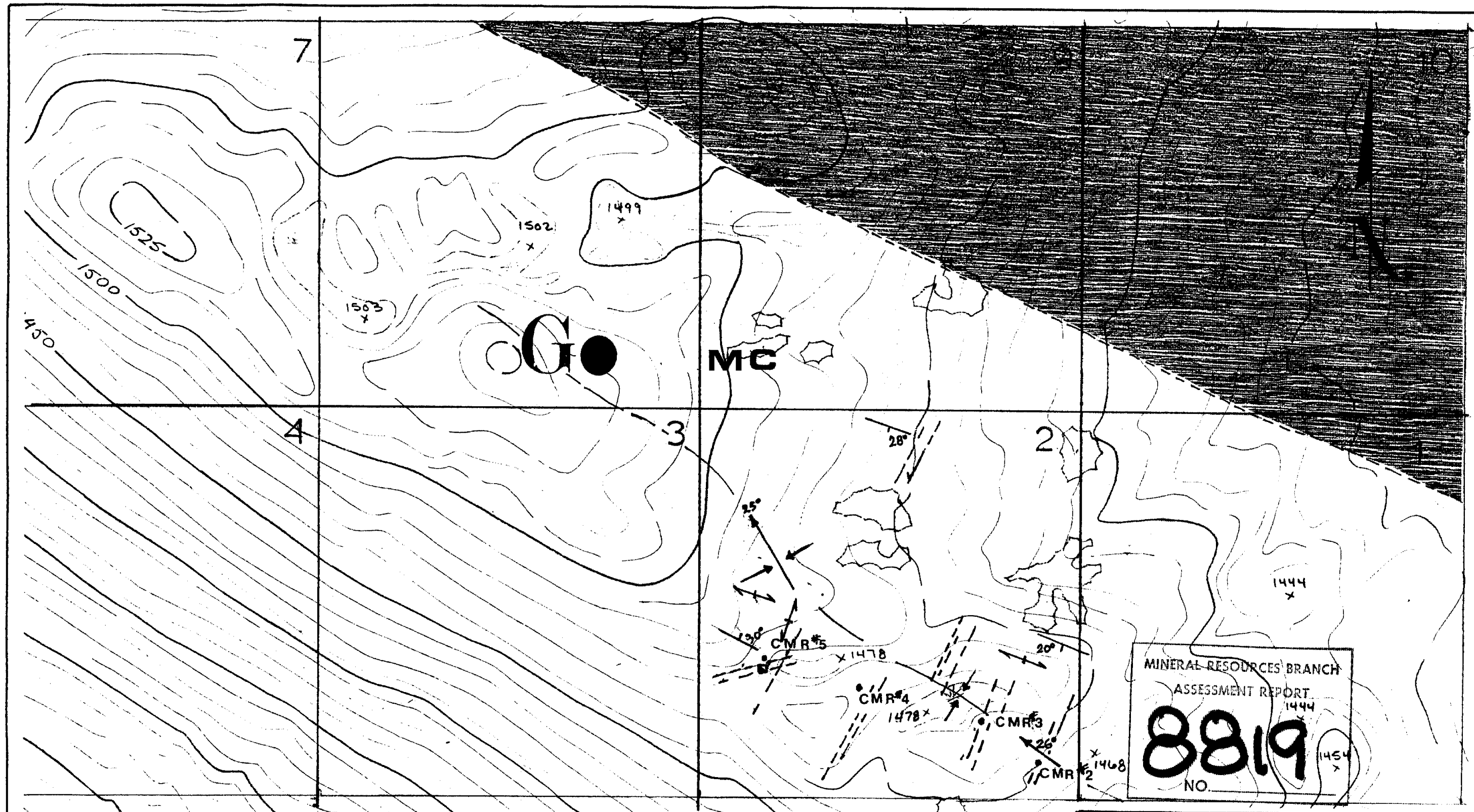





Dubarry Resources Ltd. Go. Claim		
C L A I M M A P		
IGNA engineering & consulting ltd.	N.T.S. 93H/4E Scale 1:50 000 Date March/1981	FIG. No. <div style="text-align: center; font-size: 2em;">1</div>




Dubarry Resources Ltd. Go Claim		
PROPERTY LOCATION MAP		
IGNA engineering & consulting Ltd.	N.T.S. 93H/4E Scale 1:50 000 Date March/1981	FIG. No. <div style="font-size: 2em; text-align: center;">2</div>



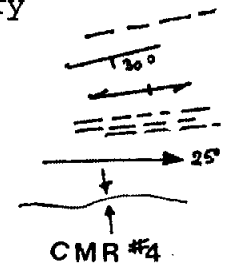
MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
 1444
8819
 NO.

 Pleasant Valley Formation
 Slate, Phyllite, Chloritic Schists

 Barkerville Formation
 Quartzite, Sericitic Schists
 Limestone

Geological Boundary
 (Approximate)
 Bedding
 Cleavage
 Vein Structure
 Plunge
 Syncline


Sample



2 claim unit

Dubarry Resources Ltd.
 Go Claim

DETAILED GEOLOGY

 <small>engineering and consulting ltd</small>	N.T.S. 93H/4E Scale 1:5 000	Fig 3
	Date March 5, 1981	

Summary and Recommendations

The Go property is composed of one 15 unit mineral claim covering a number of galena-pyrite bearing quartz veins which were worked in the early days of 1930.

The property is located in the Cornish Mtn., Wells, B. C.

Total production seems to have been small judging by the size of the waste dumps and openings. The recent sampling of old waste dumps shows gold values ranging from 0.002 to 0.070 oz/t, silver values from trace to 1.51 oz/t, lead content 0.01% to 1.69% and zinc 0.10% to 0.23%.

It is recommended that these old workings be reopened and rehabilitated, surface trenched and property geologically mapped. An exploration drilling program would logically follow in order to test the mineralized veins at depth.

Introduction

On July 12 and Aug. 5, 1980 the writer examined the known gold, silver showings in the Cornish Mtn. area north of Island Mtn. and the town of Wells, B. C. The showings are covered by 15 units of recently staked Go claim.

Location (53°9' & 123°35') (Fig. 1 & 2)

The property occupies the top and southern slopes of Cornish Mountain.

Access (Fig. 2)

Access to the property is provided by a good logging road originating in the town of Wells, passing northwest along Willow River and turning off to the north toward the Cornish Mtn. near the Martin Creek

where an abandoned mine road leads to the Martin Creek pass. The road ends at an elevation of about 1500 m near the location of the "Upper Adit" an old mine site with remnants of old days quartz vein gold mining.

Property and Ownership

Research by the author in the mining records office in Quesnel confirms ownership as being vested in the hands of Nordic Management and Development Ltd. and Mr. W. Perry.

A Go mineral claim is composed of a total of 15 units and is held by Dubarry Resources by option from Nordic Management and Development Ltd. and Mr. W. Perry.

Facilities, Services and Resources

The town of Wells has adequate accommodations for the exploration personnel and could provide some services like: mechanical repairs, gasoline and basic food supplies. Larger facilities are available in the town of Quesnel 80 km to the west.

Water

Water for drilling is available from Martin Creek but adequate supplies for drilling on the top of Cornish Mtn. would have to be pumped up for about 240 m and will represent a technical problem requiring larger pumps.

History of Exploration

The most explicit description of the occurrence of gold in quartz vein outcropping on the Cornish Mtn. is given in the Minister of Mines report of 1935/36. The area was, at that time, the property of the Cariboo Coronado Mining Syndicate. The Syndicate carried on surface

and underground exploration during 1934. Following is a description of the property:

"The country rock consists of limestone and schist of Barkerville formation and of argillite and quartz-sericite schist of the overlying Pleasant Valley formation."

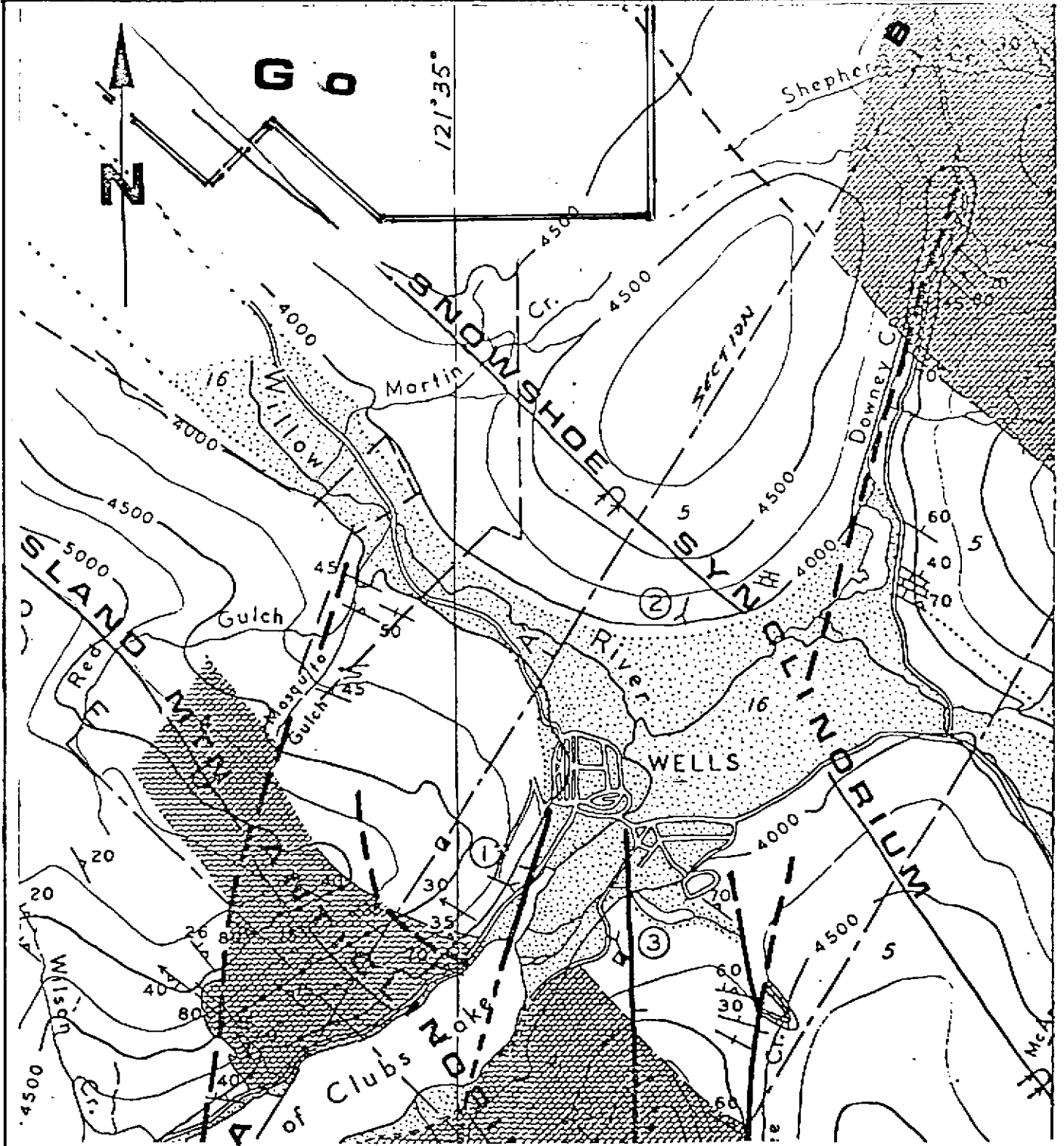
"Another adit was driven north 14° west for 385 feet into the mountain northwest of Martin Creek. This adit cut several narrow quartz gashes and stringers of irregular shape. Some of the quartz is well mineralized with pyrite. A band of replacement ore two inches wide cut by the adit assayed \$6/ton of gold (1934 values). Open cuts and a shaft on the mountain top exposed several quartz veins a few inches to 8 feet wide, mineralized with galena and pyrite. The veins strike north 30° east northeast. Picked samples have assayed more than half an ounce of gold per ton. The veins are mostly in argillaceous and sericitic schists, but one is in a body of undefined shape of quartz porphyry."

GEOLOGY

Cariboo Group (A Sutherland Brown (1957))

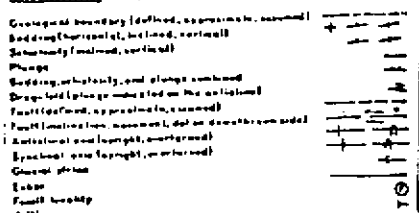
The rocks of the Cariboo group underlie the area of the Go claim.

The Cariboo group is composed predominantly of clastic rocks with lesser amounts of carbonate rocks. The rocks were subject to low-grade regional metamorphism and intense deformation. Metamorphism has developed large porphyroblasts out of muscovite and chlorite but amounts of biotite and chloritoid produced are small. Deformation has developed important secondary foliation on almost all clastic and some carbonate rocks. There is also noticeable development of "dimensional" orientation of mica, quartz, feldspar and carbonate minerals. The



A. Sutherland Brown (1957)

- CARIBOO GROUP (1-5)**
- 5** SNOWSHOE FORMATION: grey to brown micaceous quartzite, phyllitic siltstone, phyllite, fine conglomerate; grey to white limestone -
- MIDAS FORMATION: black quartzose phyllite, slate, argillite, grey limestone



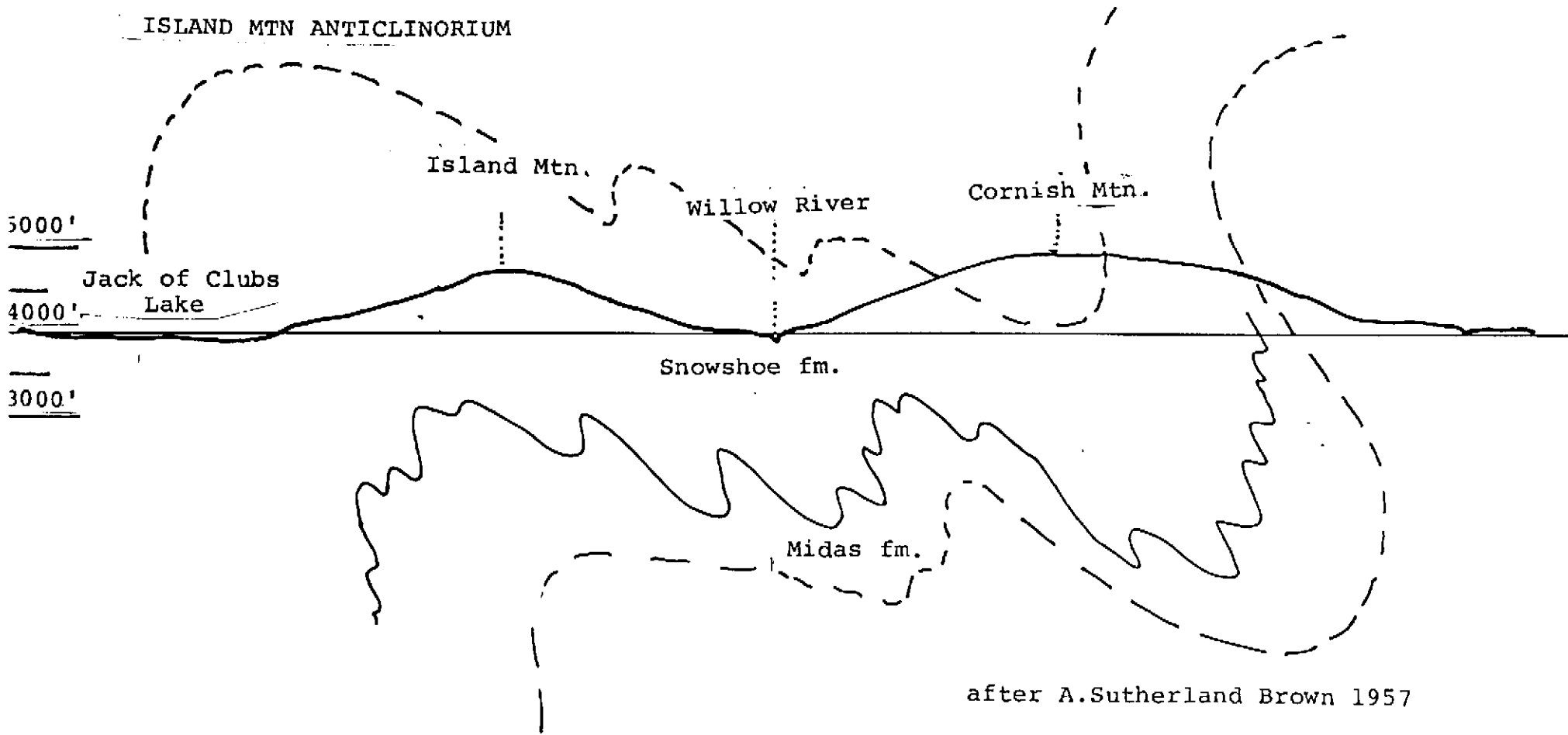
Dubarry Resources Ltd. Go Claim		
Regional Geological Map		
IGNA engineering & consulting ltd.	Scale 1" = 1/2 Mile 93 H/4E	FIG. No.

A

SNOWSHOE SYNCLINORIUM

B

ISLAND MTN ANTICLINORIUM



after A.Sutherland Brown 1957

0 1' Mile

Dubarry Resources Ltd. Go Claim		
STRUCTURAL SECTION A - B		
IGNA engineering & consulting ltd.	N.T.S. 93H/4E Scale 1"=0.5Mile Date March/1981	

most deformed rocks show a "flaser" structure. Economically important is a local hydrothermal alteration superimposed on the products of regional metamorphism. The hydrothermal products are bleached, silicified, chloritized, and ankeritized rocks.

Cariboo group is less than 4000 feet thick in the Wells area. It consists of five recognizable formations. (see Table of Formation) The age of the Cariboo group is Early Cambrian and younger and was determined on the basis of Archaeocyathid and Trilobite faunas found in thick limestones of Cunningham Limestone formation which is the basal formation of the Cariboo group.

Snowshoe Formation

The Snowshoe Formation underlies the Go Claim area. It is the youngest formation of the Cariboo group.

The exposures are scarce in lower areas of the Go claim but the higher elevations of the Cornish Mountain, creeks and gulleys are places with a number of exposures of the Snowshoe rocks.

The formation is composed of clastic rocks and limestones. The clastic rocks are poorly sorted, schistose lenticular greywackes. The limestones are thin, lenticular and impure.

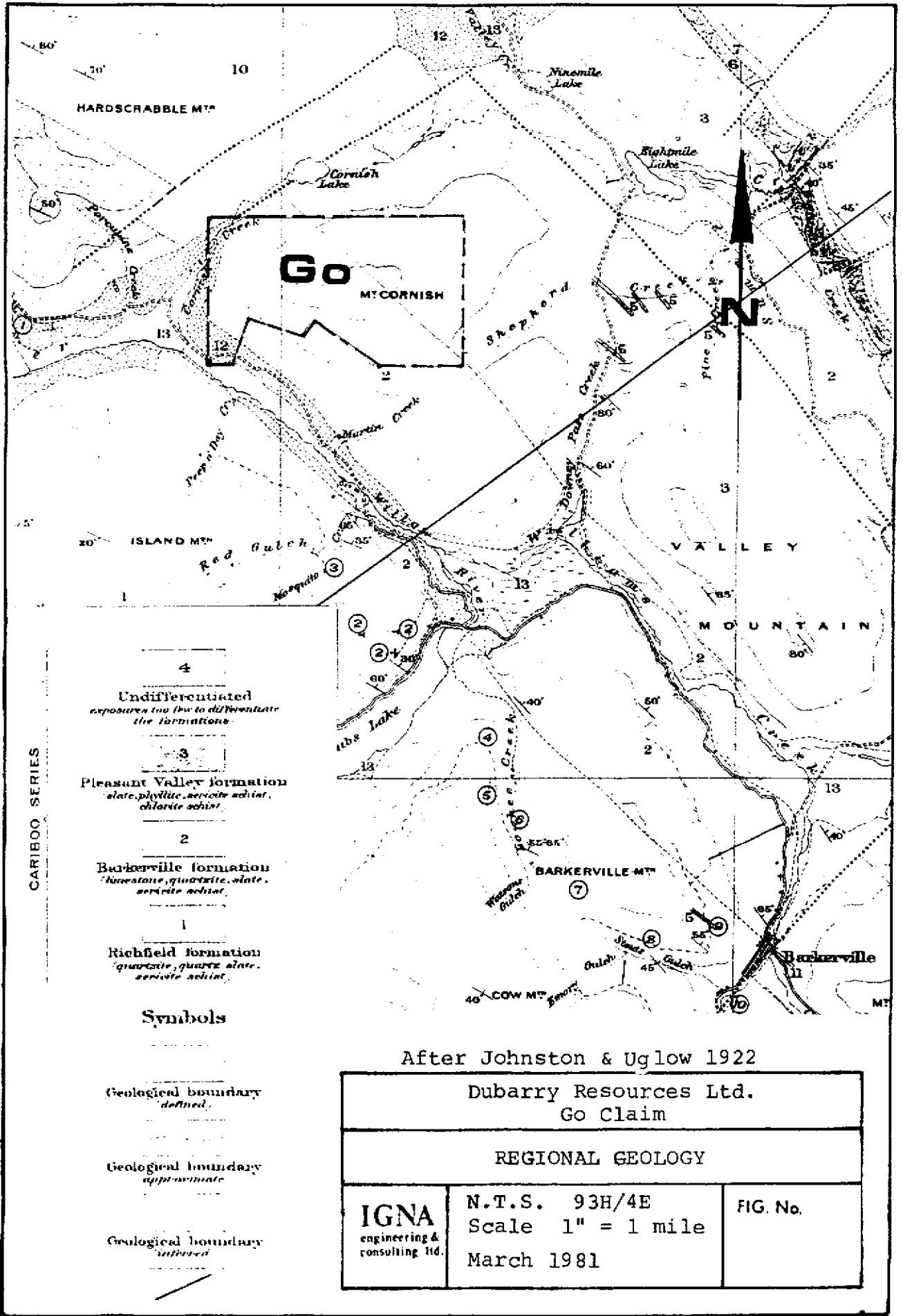
STRUCTURE (Structural Section A - B)

The rocks of Cariboo group are intensely deformed. They have been "compressed into northwesterly trending complex folds which are overturned toward the southwest" A. Sutherland Brown (1957) in the Wells area.

"A regional secondary foliation is developed parallel to the axial planes of folds, striking northwest and dipping to the northeast." Fold axes plunge to the northwest at gentle angles.

Table II.—Table of Formations

Era	Period or Epoch	Unit and Thickness (Feet)	Lithology	
Cenozoic.	Pleistocene and Recent.		Glacial till; glacio-fluvial sand, gravel, silt; alluvium.	
	Unconformable contact.			
	Tertiary(?).		Partly cemented limonitic river-bed gravels.	
Unconformable contact.				
Upper Palaeozoic.	Carboniferous(?) and (?) later.	Mount Murray intrusions.	Diabase and other basic sills and dykes; lamprophyre dykes.	
	Intrusive contact.			
	Carboniferous.	Slide Mountain group.	Antler formation 3,000+.	Brown, grey, white, or green chert; grey argillite; basic volcanic flow and pyroclastic rocks.
			Conformable contact.	
			Guyot formation 1,125-1,500.	Grey to brown conglomerate; grey greywacke to slate; basic volcanic flow and pyroclastic rocks; light grey to white, cherty crinoidal limestone.
Unconformable contact.				
Lower Palaeozoic.		Proserpine dykes.	Brown weathering acidic dykes.	
	Intrusive contact.			
	Lower Cambrian and later.	Carbon group.	Snowshoe formation 1,000+.	Grey to brown, micaceous quartzite; brown, grey, or green phyllite, metasiltstone; black to white limestone, granule conglomerate.
			Conformable or slightly unconformable contact.	
			Midas formation 1,000+.	Black to dark grey, quartzose phyllite, and metasiltstone; black to grey limestone.
			Conformable contact.	
			Yanks Peak quartzite 0-200.	Grey to white, massive medium-grained quartzite.
			Conformable with Yanks Peak or Midas formation.	
			Yankee Belle formation 300-500.	Brown phyllite, metasiltstone, fine-grained quartzite.
	Conformable contact.			
		Cunningham limestone 2,000+.	Thinly bedded to massive, grey finely crystalline limestone, buff coarsely crystalline ferroan dolomite; minor limy phyllite.	
Conformable contact.				
Proterozoic.	Late Proterozoic.	Kaza group 6,000+.	Green schist, schistose greywacke, micaceous quartzite.	



HARDSCRABBLE MT.

Go

MTCORNISH

ISLAND MT.

VALLEY

MOUNTAIN

BARKERVILLE MT.

40 COW MT.

CARIBOO SERIES

4
Undifferentiated
exposures too thin to differentiate
the formations

3
Pleasant Valley formation
slate, phyllite, sericite schist,
chlorite schist

2
Barkerville formation
limestone, quartzite, slate,
sericite schist

1
Richfield formation
quartzite, quartz slate,
sericite schist

Symbols

Geological boundary
defined

Geological boundary
approximate

Geological boundary
inferred

After Johnston & Uglow 1922

Dubarry Resources Ltd.
Go Claim

REGIONAL GEOLOGY

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N.T.S. 93H/4E
Scale 1" = 1 mile
March 1981

FIG. No.

A number of prominent faults cut through the Cariboo group striking northward and dipping steeply to the east.

The major structure in the Go group is the Snowshoe synclinorium.

The synclinorium, comprised of the rocks of the Snowshoe Formation is compressed into many smaller scale very complex folds.

All secondary folds plunge to the northwest from 7 to 10 degrees but sometimes locally as great as 25 degrees.

The northerly striking normal faults are considered to be the cause of fold plunges.

Fold structures are asymmetrical and complex and are not easy to map without adding a great deal of interpretation. There are three major developments in structural interpretation starting with Hanson (1935), Benedict (1945) and A. Sutherland Brown (1957).

A. Sutherland Brown's interpretation is one showing a very complex Island Mountain anticlinorium descending to the Snowshoe synclinorium.

Mineralization

In the area of the Island Mountain, Mosquito Creek Gold Mine, gold mineralization occurs associated with medium to coarse grained pyrite, both in quartz veins and as replacement limestone lenses. The quartz veins are gash veins found mainly in the Rainbow member while replacement limestone lenses are found in softer calcareous Baker rocks.

The gold-bearing quartz veins fill fractures, many of which belong to the regionally developed joint system. These fractures cut across all the folds in the Cariboo series and represent part of the gold bearing rocks in the Cornish Mountain area.

The association of high gold values with pyrite is shown in areas adjacent to the Go property but there is no direct relation between the amount of gold content and the amount of pyrite. Experience in Mosquito Creek and old Cariboo Gold Quartz and Island Mountain Mines shows that high gold values are associated with fine-grained rather than coarse-grained pyrite.

The pyrite-gold bearing limestone lenses plunge to the northwest paralleling the plunge of the main structures.

Mineralization is of the selective replacement type. (G. H. Klein (1980)

Property Examination

Property examination took place on July 12 and Aug. 5, 1980. The author was accompanied by Mr. G. Alley and W. Perry of Dubarry Mines Ltd.

Staking

The location of the Go claim Legal Corner Post with tag #15529 was verified and post location was surveyed to the old logging road and to the newly established grid.

Geology - (Fig. 3)

The adit and the area of the old mine site were examined and found in poor condition. The adit has caved in and only evidence of vein material was found on the waste dump. A sluice box with remnants of quartz chips with minor pyrite mineralization was observed.

Numerous short trenches and a shaft were found on the top of the Cornish Mtn. The old workings have exposed quartz veins with visible galena and pyrite mineralization. Grab samples of the quartz chips were collected from the waste dump and assayed. Following

...7

are assay results:

<u>Sample</u>	<u>Au (oz/st)</u>	<u>Ag (oz/st)</u>	<u>Pb %</u>	<u>Zn %</u>
CMR-1	0.006	Trace	0.01	0.18
CMR-2	0.048	1.51	1.69	0.23
CMR-3	0.070	0.54	0.02	0.22
CMR-4	0.002	TR	0.03	0.11
CMR-5	0.010	TR	0.01	0.10

All the samples contained pyrite and samples CMR-2 & 3 also carried galena and minor sphalerite mineralization.

Conclusions

The property has a small history of limited production very possibly good portion of it not recorded. The results of assays and our field examination definitely show presence of gold, silver, lead and zinc mineralization in the quartz veins crosscutting schistose greywackes on the top of the Cornish Mountain.

In the writers opinion mineral paragenesis observed on the Cornish Mtn. shows similarity to mineral paragenesis of Mosquito Creek and Burns Mtn. (Spectrum Industrial Resources Ltd.) therefore giving Go property similar chance to succeed in finding small size gold, silver vein deposit.

It is my opinion that property warrants active exploration.

...8

ESTIMATED COST BREAKDOWN

1. Phase

- Topographic Base Map 1:10,000 (Airphoto Base)	\$ 2,500.00
- Geological Mapping (Geologist and Assistant) 25 days	7,500.00
- Trenching (Rehabilitation of Old Workings) Backhoe, Bulldozer \$100/hour 50 days (10 h/day)	<u>50,000.00</u>
Total estimated 1. Phase	<u>\$ 60,000.00</u>

2. Phase

Diamond Drilling 4-6 holes with total of 600 m @ \$100/m	<u>\$ 60,000.00</u>
Total estimated 2. Phase	<u>\$ 60,000.00</u>


1. Phase	\$60,000.00
2. Phase	<u>\$60,000.00</u>
	\$120,000.00
Contingencies 20%	24,000.00
Total estimated	<u><u>\$144,000.00</u></u>

CERTIFICATE

I, I. Borovic, with business address in Vancouver, B. C., do hereby certify:

1. That I have personally, and with the assistance of Mr. G. Alley and W. Perry examined, evaluated and mapped Go Claim, located on Cornish Mtn, north of Wells, Cariboo M. D., British Columbia.
2. That the expenditure claimed for the performance of the work are correct.

Respectfully submitted

A handwritten signature in cursive script, appearing to read 'I. Borovic', written over a horizontal line.

I. Borovic, P. Eng.

Vancouver, B. C.

March, 10, 1981

R E F E R E N C E S

- BOROVIC, I. (1980):
Progress report on the exploration of the Beau
Group of claims,
Burns Mtn. Cariboo M.D.
For Spectrum Industrial Resources Ltd.
- BOWMAN, A. (1889):
Report on the Geology of the Mining District
of Cariboo, B. C.
G. S. C. Ann. Rept. 1887-88, V.111
- CAMPBELL, R. E. (1961):
Quesnel Lake (West Half), B. C.
G.S.C. Map 3-1961
- CAMPBELL, R. B., MOUNTJOY, E. W. & YOUNG, F. G. (1973):
Geology of McBride Map-Area B. C.
G.S.C. Paper 72-35
- GUIGUET, M. & MASON, E.E. (1979):
Report on the Burns Mountain Property, Beau Group.
Cariboo M. D., Stanley, B. C.
N.T.S. 93H/4E

Vancouver, April 18, 1979.
Spectrum's File
- HANSON, G. (1934):
Willow River Map-Area, General Geology and
Lode Deposits
G.S.C. Summary Report 1933
- HANSON, G. (1935):
Barkerville Gold Belt, Cariboo District, B. C.
G.S.C. Memoir 181
- HOLLAND, S.S. (1948)
Report on the Stanley Area Cariboo Mining Division
Bulletin No. 26, B. C. Department of Mines, Victoria
- JOHNSTON, W. A. & UGLOW, W. L. (1926):
Placer and Gold Deposits of Barkerville
G.S.C. Memoir 1949
- SUTHERLAND-BROWN, A. (1957):
Geology of the Antler Creek Area, Cariboo District,
B. C.
B. C. Department of Mines Bulletin 38
- UGLOW, W. L. (1922):
Bedrock and Quartz Veins, Barkerville.
G.S.C. Summary Report 1922, Part A, pp 82-87

STATEMENT OF EXPENSES

The following is a breakdown of expenses incurred in carrying out work in the area of Dubarry's Go Claim during July and August 1980.

1. FIELD WORK

I. Borovic, Geologist, Supervisor examination, mapping, sampling 3 days e \$200.00	\$ 600.00
G. Alley and W. Perry blasting, sampling 3 days e \$100.00/man/day	\$ 600.00
Food and Shelter 9 man/days e \$60.00	\$ 540.00
Truck (fuel incl.) 3 days e \$55.00/day	\$ 165.00

2. OFFICE WORK

I. Borovic, Geologist Report 4.5 days e \$200.00	\$ 900.00
Draughtsman Draughting and Reprographics	\$ 172.00
Typing and Xeroxing.....	\$ <u>64.00</u>
	\$3 041.00



I. Borovic, P. Eng.



TO: SPECTRUM INDUSTRIAL RESOURCES
 3050 Fraser Street
 Vancouver, B.C.

General Testing Laboratories

A Division of SGS Supervision Services Inc.

1001 EAST HENDER ST. VANCOUVER, B.C. CANADA V6A 1W7
 PHONE (604) 254-1547 TELEY 04-507614 CABLE S.G.S. CAN

66216

CERTIFICATE OF ASSAY

No: 8008-1254 DATE: Aug. 25/80

We hereby certify that the following are the results of assays on: **Cre**

MARKED	GOLD	SILVER	Lead	Zinc	XXX	XXX	XXX	XXX
	oz/st	oz/st	Pb (%)	Zn (%)				
CORNISH CR-1	0.006	trace	0.01	0.18				
CR-1 (COHEN END)	0.206	trace	0.03	0.17				
GALENA GRAB GR-1	0.010	trace	0.01	0.14				
KETCHE-1	0.016	trace	0.01	0.30				
PERKINS P-1	1.330	2.01	2.78	0.97				
" P-2	0.494	0.88	2.22	0.35				
CORNISH CR-2	0.048	1.51	1.69	0.23				
COHEN GRAB GR-2	0.018	trace	0.02	0.25				
CORNISH CR-3	0.070	0.54	0.02	0.22				
PERKINS P-3	0.002	trace	0.02	0.12				
CORNISH CR-4	0.002	trace	0.03	0.11				
CORNISH CR-5	0.010	trace	0.01	0.10				
PERKINS GRAB GS-P	2.578	1.47	2.60	0.27				

SGS

NOTE: REJECTS RETAINED ONE MONTH. PULPS RETAINED THREE MONTHS. ON REQUEST PULPS AND REJECTS WILL BE STORE FOR A MAXIMUM OF ONE YEAR.

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L. Wong

PROVINCIAL ASSAYER

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 OFFICIAL WEIGHMASTERS FOR: Vancouver Board Of Trade

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I N V O I C E # 41

September 15, 1980

DUBARRY RESOURCES LTD.
102B-3350 Fraser St.
Vancouver, B.C.
V6V 4C1

Professional services August 15 - September 15, 1980:

Field examination & Geological report

7.5 days @ \$ 200.00\$ 1,500.00

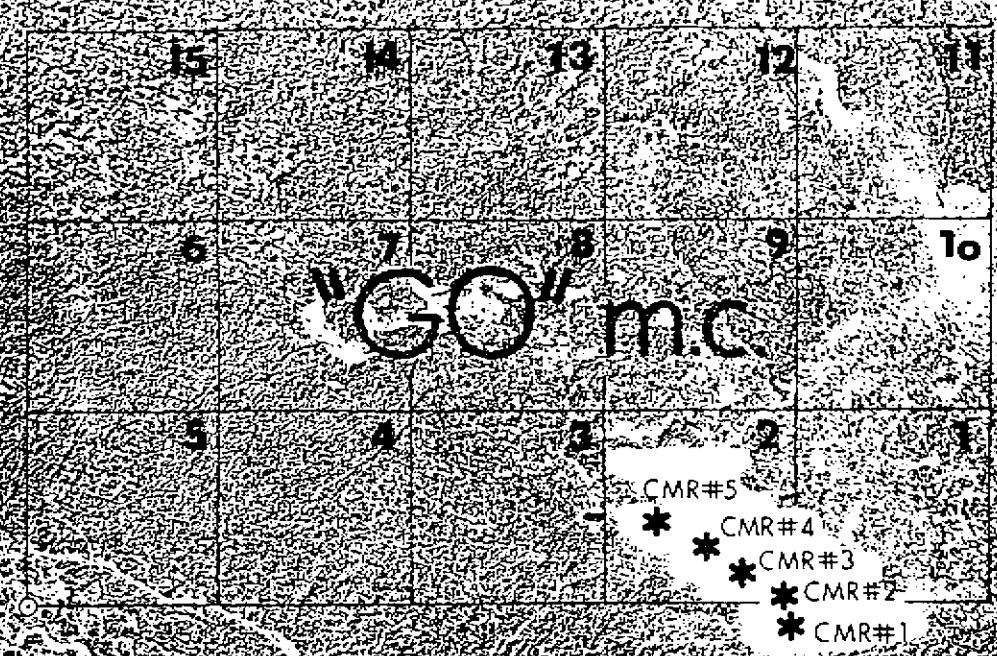
Expenses:

Draughting & Reprographics \$ 172.00

Typing & XeroX 64.00

Total expenses.....\$ 236.00

TOTAL DUE\$ 1,736.00



DUBARRY RESOURCES LTD.

"GO" claim

SAMPLE LOCATION MAP

PHOTOBASE = BC7851-51/87

SCALE = 1: 20,000 (approx.)

DATE = 2-09-81

WELLS