

REPORT ON THE
GEOLOGY
BURNIERE 1 and 2 MINERAL CLAIM
RECORDS NOS. 4198 & 4199

Latitude 50°51' N Longitude 117°42' W
NTS 82K/13E

REVELSTOKE MINING DIVISION
BRITISH COLUMBIA

Prepared for

GRID RESOURCES LTD.
1075 Duchess Avenue
West Vancouver, B.C.

By

B. TAYLOR, P.Eng.

September 27, 1983

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

12,332

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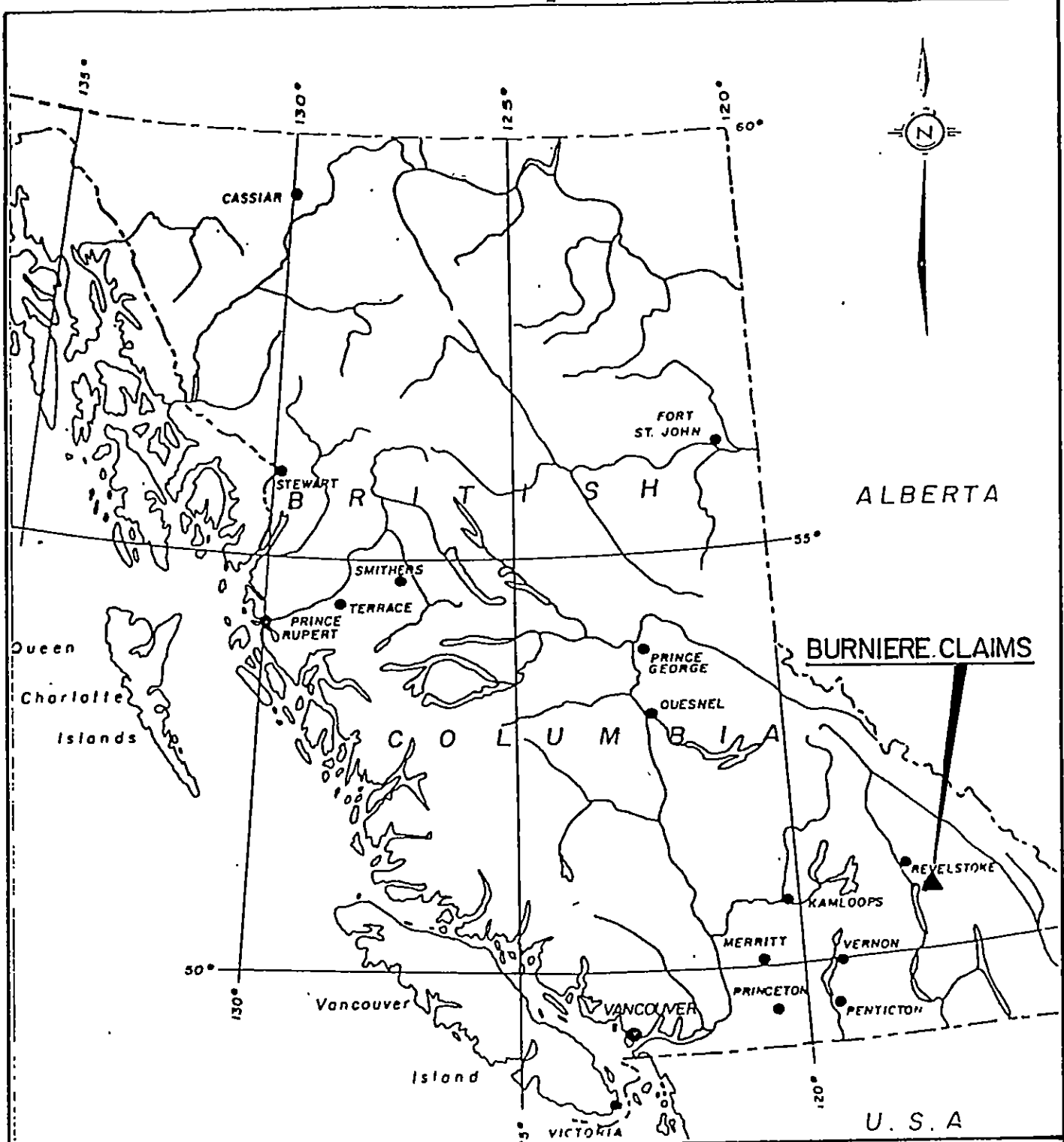
SUMMARY

The Burniere 1 and 2 claims are part of the Camborne gold camp within the Revelstoke Mining District. They were first staked in 1906. J.L. Fraser restaked the ground in 1960 and are still held by him.

Visible gold, associated with bright green fuchsite was found in a 20-200cm wide white quartz vein on the flanks of Comaplix Mountain. Two short adits plus some trenching has been done on the property in the early 1910's. Despite some encouraging gold values reported (0.3 oz/ton Au from surface, and 1.2 oz/ton Au over one foot taken underground), little exploration has been done.

It is recommended that another look at the prospect be undertaken. The property is small, and the showing is well exposed. Diamond drilling with some surface geologic and soil sampling is recommended as a first phase. This is estimated to cost \$74,000. It is suggested that a further \$200,000 be held in reserve, for a second phase of drilling if the initial program should prove encouraging.

A total program of \$274,000 is recommended.



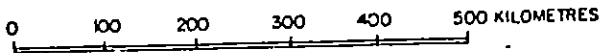
BURNIERE CLAIMS

GRID RESOURCES LTD.

G.A. NOEL & ASSOCIATES, INC. VANCOUVER, B.C.

**LOCATION MAP
BURNIERE 1 & 2 CLAIMS**

CAMBORNE AREA REVELSTOKE M.D., B.C.



SCALE: 1cm. = 87Km

SEPT. 1983

FIG. 1

BT

INTRODUCTION

The writer visited the property on August 12-14 1983 accompanied by Mr. J.E. Charlesworth of Grid Resources. The purpose of the visit was to inspect and report on the merits of the property. Mapping and sampling of the vein was part of the inspection process.

PROPERTY

The property consists of two claims, which are listed below and are shown on Figure 2.

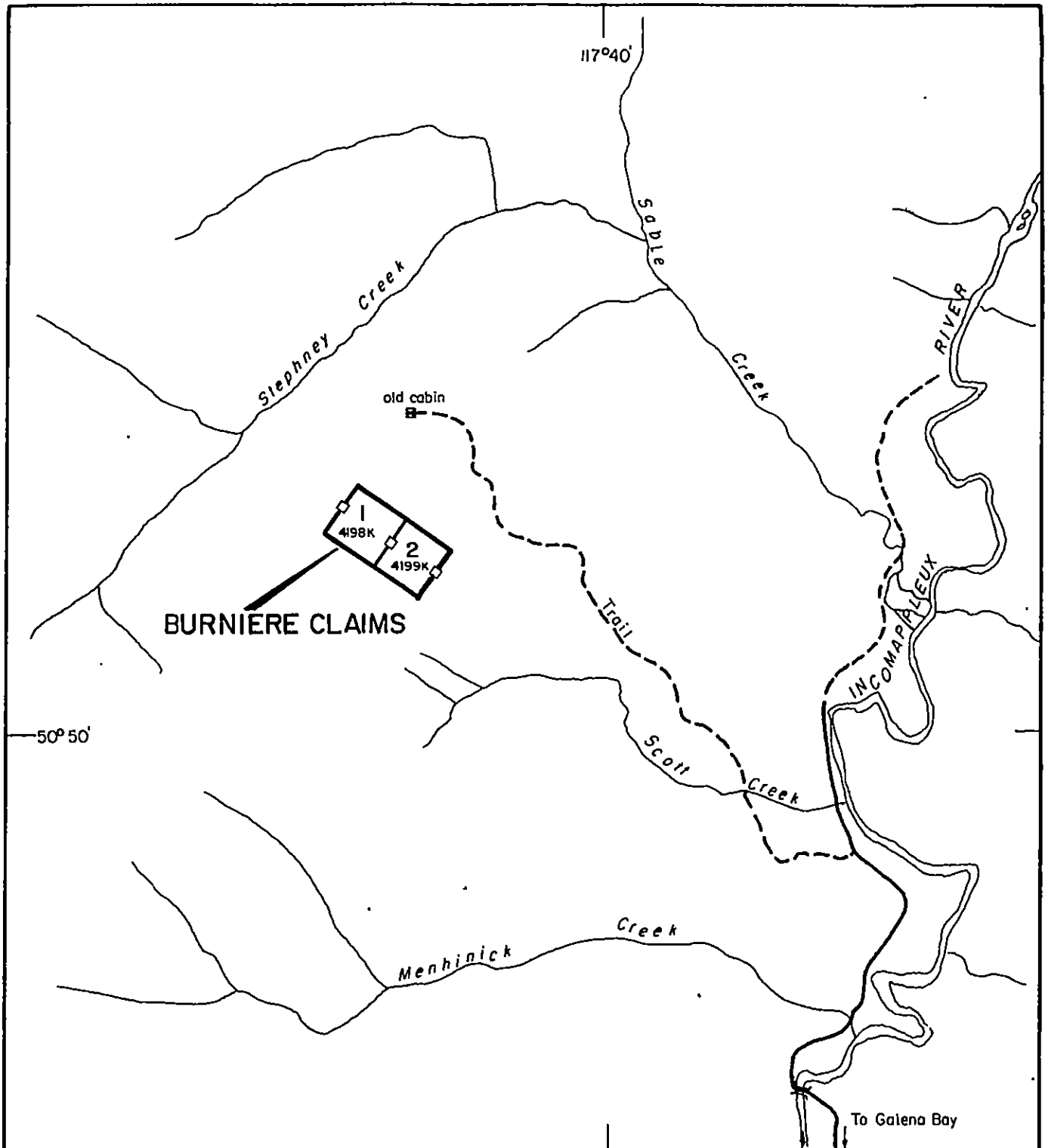
<u>Mineral Claim</u>	<u>No. of Units</u>	<u>Record No.</u>	<u>Expiry Date</u>
Burniere 1	1	4198	Aug. 5, 1985
Burniere 2	1	4199	Aug. 5, 1985

They are located in the Revelstoke Mining Division and are recorded as being owned by John Leslie Fraser of Fulford Harbour, B.C. An operating agreement exists between Grid Resources and Mr. Fraser.

LOCATION AND ACCESS

The property lies within the Selkirk Mountains at an elevation of 1860 metres, about 43 kilometres southeast of Revelstoke.

The property is reached from highway 23 either from Revelstoke or Nakusp. A ferry crosses the Upper Arrow Lake from Shelter Bay to Galena Bay. From Galena Bay, highway 31 leads to Trout Lake and eventually Nelson. Approximately 18 kilometres from the Galena terminal, a branch road to the north leads to the deserted community of Camborne and crosses the Incomappleux River about 2 kilometres beyond.



To Galena Bay

GRID RESOURCES LTD.

G.A. NOEL & ASSOCIATES INC. VANCOUVER, B.C.

CLAIM MAP
BURNIERE 1&2 CLAIMS

CAMBORNE AREA REVELSTOKE M.D.



SCALE 1:50,000

SEPT. 1983

FIG. 2

B.T.



Between Menhinick and Scott creek, a well used logging road leads uphill. A side road at about 1 kilometre from the bridge continues uphill for another 4 kilometres to an abandoned cabin site. Recent work has cleared a trail to a point just short of the property.

The use of an up-to-date logging road map is recommended as logging roads proliferate in the area.

HISTORY

The first gold claim in the vicinity of Camborne was staked in 1899. The Burniere claim was staked in 1906. A 100 pound white quartz specimen with visible gold was displayed. The expectations of the gold camp were never fulfilled. The most promising of the claims, the Eva, was worked only a short time, but its grade of 5 to 6 dollars gold ore proved to be too low. Over-optimism and lack of engineering and mining knowledge seem to have played too important a part in the development according to J.F. Walker of the Geological Survey of Canada in 1930.

The B.C. Department of Mines Annual Reports mentions the property, largely as lying idle, from 1906 to 1925. The most comprehensive report was written in 1914. It mentions only one adit, but "a number" of shallow prospect-pits existed along a length of 350 feet. A sample taken at that time along the surface outcrop assayed 0.3 oz/ton Au; and 0.2 oz/ton Ag. A sample taken underground over a width of 1 foot assayed 1.2 oz/ton Au; and 0.5 oz/ton Ag. Some preparations for work were made but little came of it.

The ground was restaked in 1960 by John Leslie Fraser who still holds title to the ground. It lay idle until 1981 when some work was recorded. An operating agreement exists between Mr. Fraser and Grid Resources Ltd.

REGIONAL GEOLOGY

The rocks in the area consist dominantly of phyllites of varying colors, some limy beds, and with minor amounts of interbedded volcanics. Two formations, the SHARON CREEK, which is dark grey to black phyllite, and the JOWETT, which is green phyllite with some greenstone, underlie the area. They undergo a lateral facies change to quartz grits and gritty phyllite to the south. They belong to the LARDEAU GROUP and are Lower Cambrian to Mid-Devonian in age.

The closest intrusive is the SUGAR PLUM stock of grandiorite which lies 10 kilometres to the east.

The stratified rocks are complexly folded, faulted and metamorphosed. The Finkle Creek Synform strikes northwesterly through the area, and thus the beds have the northwesterly trend that is associated with the Kootenay Arc.

PROPERTY GEOLOGY

Figure 3 is a geological map of the vein and workings.

The Burniere claims are underlain by thinly laminated meta-sediments. The strike is northwesterly with vertical to steep southwesterly dips. There appeared to be little change in rock type over the property, although some of the material from the dumps displayed limy characteristics. The strike of the beds was also remarkably uniform.

A white quartz vein, or series of parallel veins, up to 30 centimetres in width individually and 1 metre collectively is exposed over a length of 550 metres. The lower end of the exposure is spread over a width of 2 to 3 metres, and disappears under overburden towards the end of the claim. The strike is essentially parallel to the meta-sediments while the dip is very steeply to the southwest.

Trenching along strike has been done in the past for a length of 75 metres, with some additional prospect pits beyond. Two short adits have been driven with an elevation difference estimated to be about 20 metres. The waste material was laminated siliceous phyllites, with some black to brown weathering carbonate. Although dykes are reported in the literature, none were recognized on the exposures or dumps.

The vein material was essentially white quartz with variable but subordinate amounts of carbonate and sericite. Very little pyrite is present. In both dumps, a bright green mineral, fuchsite, was found. This is reported to be a guide to good gold values. On this property, the association is a rather loose one.

ROCK SAMPLING

A number of rock samples of the vein material were taken over the length of the exposure. Their locations are plotted on Figure 3, along with the values obtained. The following table lists the samples, descriptions and results.

<u>SAMPLE NO.</u>	<u>WIDTH</u>	<u>DESCRIPTION</u>	<u>ASSAY oz/ton Au</u>
42426	-	Quartz from dump at upper adit	.089
42427	-	Quartz from dump at lower adit	.001
42428	-	Grey, siliceous "dyke" with fuchsite streaks from lower dump	.016
42429	15cm	Vertical quartz-carbonate stringers at face of lower adit. Strike 270°	.001
42430	80cm	Quartz vein, NW side of raise at upper adit	1.970
42431	100cm	Continuous with sample 42430 phyllite wallrock; 10% quartz carbonate	.007
42432	80cm	Mainly quartz with phyllite inclusions, SE side of raise	.048
42433	20cm	50% quartz, 20% limonite	.001
42434	20cm	80% quartz	.001
42435	25cm	70% white and grey quartz	.001

<u>SAMPLE NO.</u>	<u>WIDTH</u>	<u>DESCRIPTION</u>	<u>ASSAY oz/ton Au</u>
42436	25cm	80% quartz with some green organic stain	.001
42437	200cm	30% quartz as veins	.001
42438	200cm	60% quartz with 15% limonite	.001
42439	35cm	90% quartz, trace of organic green stain	.001
42440	100cm	85% quartz, 15% limonite	.001
42441	200cm	20% quartz, 5% limonite, considerable fuchsite in grey wallrock	.001
42442	75cm	60% quartz; 5% limonite trace of fuchsite	.001
42443	50cm	40% quartz; light grey wallrock with trace of fuchsite	.127
42444	Lower dump	50% quartz; considerable fuchsite	.002
42445	100cm	80% quartz, 5% limonite, modest fuchsite	.001
42446	100cm	Joins sample 42445 on NE end. 95% quartz, modest fuchsite	.006

SOIL SAMPLING

For orientation purposes, two lines of soil samples were taken at right angles to the strike of the vein at the gold bearing section. These lines are 60 metres apart. Samples were spaced ten metres apart on the lines. Line direction was maintained by Silva Compass and measurements by Hip chain.

Samples were taken of the "B" soil horizon. This is about 15 centimetres in depth as the soil layer is thin. Holes were dug by prospector pick. Soil from the desired horizon was collected in a water resistant kraft bag and the identifying location marked upon it.

The analytical analysis of the samples was performed by MIN-EN Laboratories Ltd., of North Vancouver, B.C. Their procedure is; the sample is dried at 95° C; seived to -80

mesh; 5 grams of material is pretreated with HNO_3 and HClO_4 ; the sample is digested in aqua regia; it is then diluted with 25% HCl to a suitable volume; an extraction by MIBK is made; this material is analyzed by atomic absorption. A detection limit of 5 parts per billion is attained by this method.

The resulting analytical certificate is appended. Location and analysis results are plotted on Figure 3.

INTERPRETATION

The soil samples had been taken as a reconnaissance tool to evaluate the amount of gold scattered over the hillside by this known occurrence. Contamination of the soil by previous work is a probability. The conclusion reached is that the soil sampling is a valid tool in the search for gold bearing structures in this area. Targets are the southerly extension of the vein where outcrop is nil, and also for parallel veins, both on the uphill and downhill side of the presently known vein.

CONCLUSIONS

Gold has been found on the property over a length of 180 metres on surface. There are other showings in the area, of gold and base metals roughly along strike to the northwest and especially to the southeast. The property has definite promise and should be explored much more thoroughly.

RECOMMENDATIONS

Since there is a definite showing on the property, the most promising line of work is to put a number of diamond drill holes under and beside the showing. This would require a tote-road to bring in and move around a suitable drill. Some trenching could be done at the same time. Sufficient water for drilling may be a problem, so an early spring drill program is logical.

The possibility of parallel showings, and of downhill extension also exists. It is therefore also recommended that several more lines of soil sampling be done as well as a more comprehensive geologic mapping of the property. This exploration should be done in two or more stages.

COST ESTIMATE

Stage I

Road building - 3 days of Cat work @\$600/day	\$1,800.00
Camp set-up - (trailer rental or other arrangements)	3,000.00
Transportation, food, core boxes, etc.	4,000.00
Drilling, 300 metres @\$140/metre	42,000.00
Engineering supervision, assaying, report, geologic mapping, soil sampling	<u>13,000.00</u>
	63,800.00
Contingencies @ 15%	<u>10,000.00</u>
Say	\$74,000.00

Estimated time: Two to three weeks.

Stage II

Allowance for additional diamond drilling	<u>\$200,000.00</u>
Total estimated cost	\$274,000.00

Respectfully submitted,

B. Taylor
BERT TAYLOR, P.Eng,

CERTIFICATE

I, Bert Taylor, do hereby certify that:

1. I am a practicing geological engineer, with G.A. Noel & Associates, Inc., 721 - 602 Hastings Street, Vancouver B.C.
2. I am a graduate of the University of Saskatchewan and have been granted the degree of Bachelor of Science in Geological Engineering.
3. I have been practicing my profession as a geological engineer for over 25 years.
4. I am a member of the Association of Professional Engineers of British Columbia, Registration No. 7879.
5. I have no interest, nor expect to receive any interest, direct or indirect, in the properties or securities of Grid Resources Ltd.
6. The information in this report is from a study of previous reports and from my visit to the property August 12-14, 1983.
7. Grid Resources Ltd. is hereby authorized to use this report, or any part of it, for the purpose of financing or as otherwise required by regulatory authorities, providing no portion is used out of context as to convey a meaning differing from that in the text as a whole.

Dated this 28th day of September 1983.

B. Taylor.
B. TAYLOR, P.Eng.

BIBLIOGRAPHY

B.C. Department of Mines Annual Reports

1906	page 140
1907	" 94
1909	" 104
1910	" 95
1911	" 129
1914	" 248
1916	" 194
1918	" 190
1919	" 140, 151
1920	" 128
1925	" 261

Geological Survey of Canada

Memoir 161, Lardeau Area, B.C.
by J.F. Walker, M.F. Bancroft and H.C Gunning
pages 23, 36, 49 and 120 and Geologic Map 235A
Summary Report 1921, Part C.

A P P E N D I X

MIN-EN LABORATORIES LTD.

705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2

PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: Grid Resources,

PROJECT No. _____

1075 Duchess Ave.,

DATE: Aug. 22/83.

West Vancouver, B.C.

File No. 3-811

SAMPLE No.	Au oz/ton					
42426	.089					
27	.001 ✓					
28	.016					
29	.001					
30	1.970					
31	.007					
32	.048					
33	.001 ✓					
34	.001 ✓					
35	.001 ✓					
36	.001					
37	.001 ✓					
38	.001 ✓					
39	.001 ✓					
40	.001 ✓					
41	.001 ✓					
42	.001					
43	.127					
44	.002					
45	.001					
42446	.006					

MINE-EN Laboratories Ltd.

CERTIFIED BY: _____

COMPA

Grid Resources

GEOCHEMICAL ANALYSIS DATA SHEET

No. 3-811

PROJECT No.:

MIN - EN Laboratories Ltd.

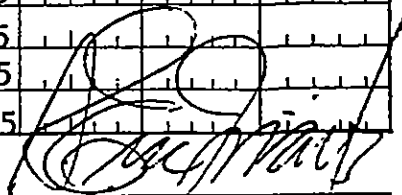
DATE: Aug. 23

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

ATTENTION: Ted Charlesworth

1983.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb			
6	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80
81	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160
A, 0							•					5			
1							•					5			
2							•					15			
3							•					30			
4							•					140			
5							•					26000			
6							•					55			
7							•					210			
8							•					15			
9							•					10			
10							•					5			
11							•					10			
12							•					10			
13							•					20			
14							•					25			
A, 15							•					5			
B, 0							•					5			
1							•					15			
2							•					5			
3							•					10			
4							•					5			
5							•					5			
6							•					40			
7							•					45			
8							•					5			
9							•					10			
10							•					5			
11							•					5			
12							•					5			
B, 13							•					5			



CERTIFIED BY

COMPA

Grid Resources

GEOCHEMICAL ANALYSIS DATA SHEET

No. 3-811

PROJECT No.: _____

MIN - EN Laboratories Ltd.

DATE: Aug. 23

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

1983.

ATTENTION: Ted Charlesworth

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb						
	86	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160		
B ₁ 14													1.0					
B ₁ 15													5					

CERTIFIED BY *[Signature]*

COST STATEMENT

August 8 - September 26, 1983

A. Physical

Labour	
Two persons 10 hours per day @\$10.00 per hour for 10 days S.J. McIlroy & G.E. McIlroy	\$2,000
Supervision	
One person 10 hours per day @\$12.00 per hour for 5 days J.E. Charlesworth	600
Food 10 days @ \$25.00 per day	250
Supplies and equipment	110
Accommodation - trailer 10 days @ \$10.00 per day	100
Transportation	
One 4X4 truck and one car, round trip from Vancouver including gasoline and oil 3,300 kilometers @20¢	660
Two motorcycles	200
One bulldozer	485
	<u>\$4,405.</u>

D. Geological, Geophysical, Geochemical.

Labour	
Two persons 10 hours per day @ \$10.00 per hour for 10 days S.J. McIlroy + G.E. McIlroy	\$2,000
Supervision	
One person 10 hours per day @ \$12.00 per hour for 8 days J.E. Charlesworth	960
Food	300
Supplies and equipment	150
Accommodation - trailer 10 days @ \$10.00 per day	100
Transportation	
One 4X4 truck and one car, round trip from Vancouver, including gasoline and oil 3,300 kilometers @ 20¢	660
Two motorcycles	200
Soil analysis and assays Soil-32, Rock-21 for Au	600
Geologist Examination and report	2,258
B. Taylor	<u>\$7,228</u>

Road To Burniere #1 + #2 Claims.
Revelstoke Mining Division.

Existing Road Apx 5.6 Kilometers
From Camp To Old Cabin.
Cleared And Washouts Filled.

Lead
Star Claims

Old Cabin

New Road Constructed
Apx 1 Kilometer
In Length.

Burniere
#1 + #2 Claims

Camp X

Scott Creek

To Camborne
Apx 15 Kilometers
From Camp

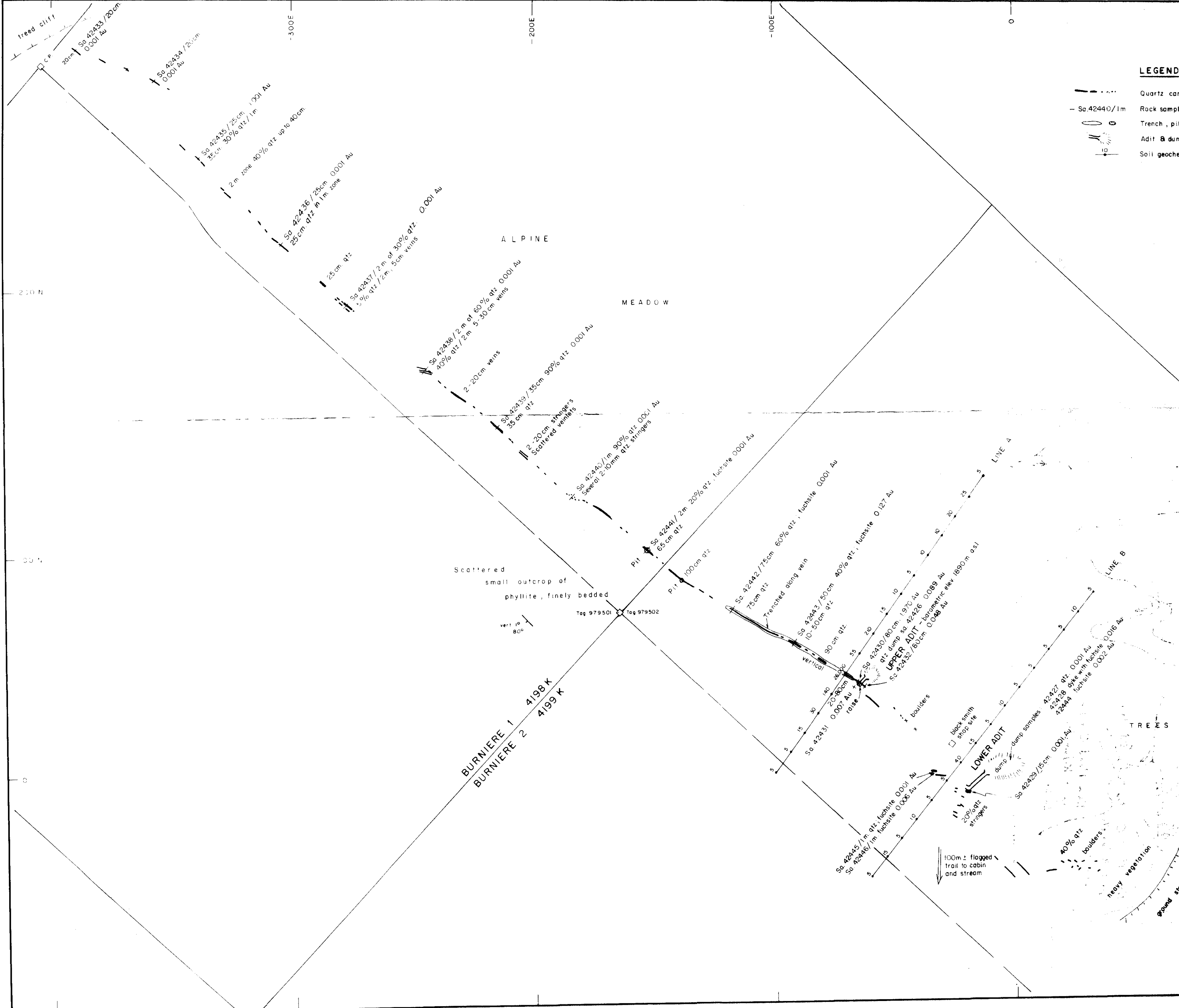
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GEOLOGICAL BRANCH
ASSESSMENT REPORT

12,332

Jan 10/84

Apx Scale 8 CM = 1 K

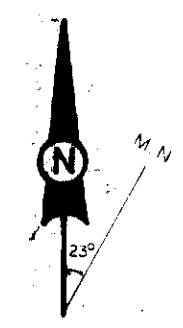


LEGEND

- Quartz carbonate vein
- Sp.42440/1m Rock sample number / width ; value - oz Au / ton
- Trench, pit
- ⊞ Adit & dump
- ⊞ Soil geochemistry Au value in ppb

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

12,332



B. Taylor

GRID RESOURCES LTD.	
G. A. NOEL & ASSOCIATES INC.	VANCOUVER, B.C.
GEOLOGY MAP	
BURNIERE 1 & 2 CLAIMS	
NTS 82K/13E	
CAMBORNE AREA	REVELSTOKE M.D., B.C.
0 20 40 60 METRES	
SCALE 1:1000	SEPT 1983 FIG. 3
BT	