

83-#356-11532
8/84

REPORT ON
GEOLOGICAL MAPPING & TRENCHING

GILMAN GOLD PROPERTY
(L4496 4497 4498 2495 7061 7062)

REVELSTOKE MINING DIVISION
CAMBORNE, B.C.

Latitude: 50°45'N

Longitude: 117°34'W

N.T.S.: 82-K-12E

for

B & B MINING (CANADA) LIMITED

#505-318 Homer Street
Vancouver, B.C.
V6B 2V3

Tel: 681-1970

by

Chris J. Sampson, P.Eng.

July 1983

GEOLOGICAL BRANCH
ASSESSMENT REPORT Vancouver, B.C.

11,532
SAMPSON ENGINEERING INC.
336 West 11th Avenue
Vancouver, B.C. V6K 2L5

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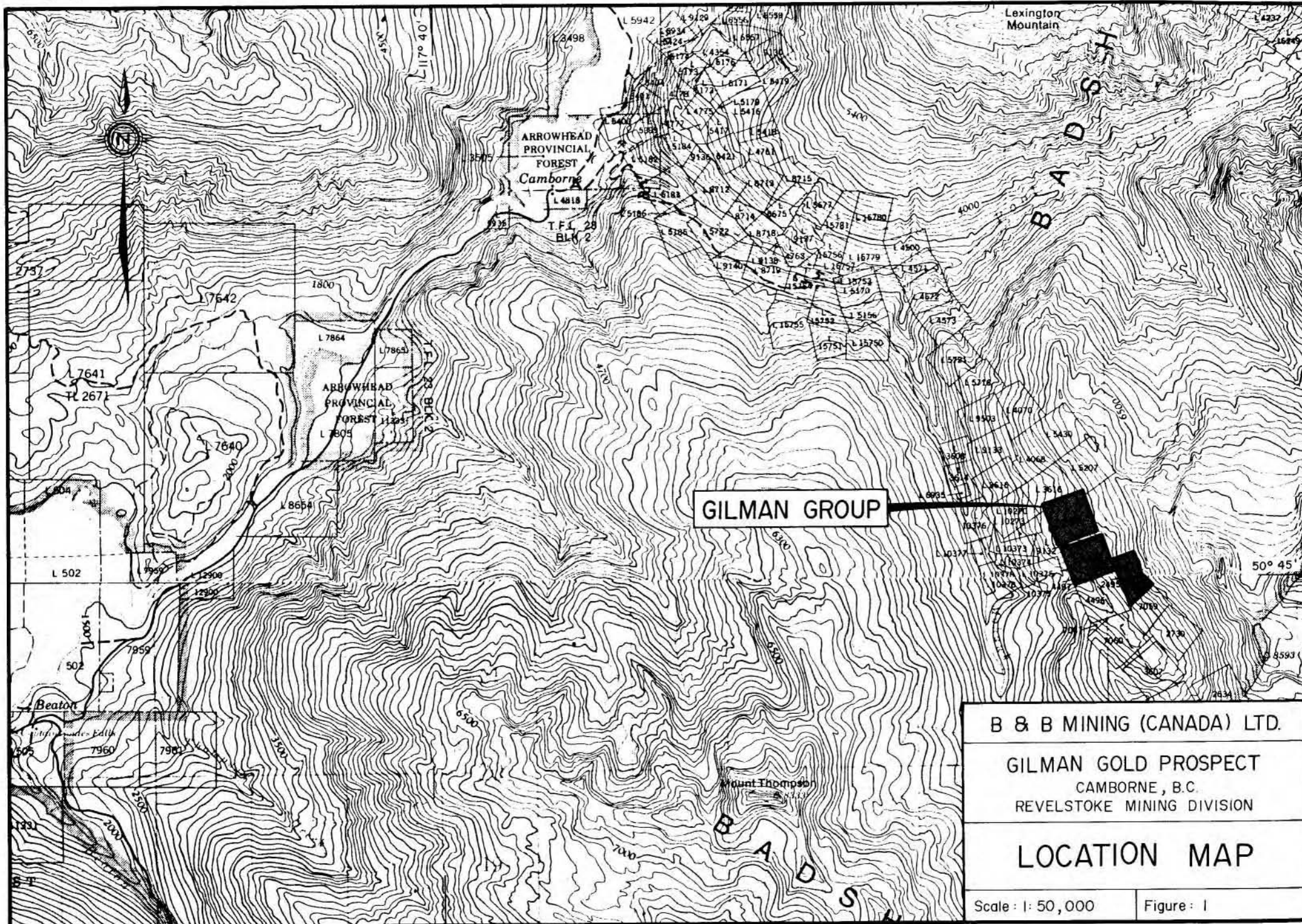
INTRODUCTION

During the period 21 July through 27 July 1983, the writer supervised a program of bulldozer trenching and geological mapping of the Gilman Gold Property which B & B Mining (Canada) Limited holds under option from Mr. Bob Leighton of Salmon Arm, B. C. The property consists of six reverted crown grant claims 45 km south-east of Revelstoke on a north-south striking gold bearing quartz vein exposed in a road cut.

The bulldozer trenching program was successful in extending the vein to the north along a total strike length to date of 170 m. Samples taken during the mapping program along the vein have confirmed the values obtained in a sampling program carried out by the B.C. Department of Mines in 1938 when the vein was extensively stripped by personnel from the adjoining Silver Dollar property which was a producing mine at that time.

Since the program successfully extended the known length of the vein and proved presence of ore grade gold values, a program of geochemical soil sampling, V.L.F.E.M. and diamond drilling is proposed to explore the down dip extension of the vein and location of ore shoots within the overall structure.

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B & B MINING (CANADA) LTD.

GILMAN GOLD PROSPECT
CAMBORNE, B.C.
REVELSTOKE MINING DIVISION

LOCATION MAP

Scale: 1: 50,000

Figure: 1

SUMMARY AND CONCLUSIONS

The program of bulldozer trenching, mapping and sampling of the Gilman Gold showing in July 1983 was successful in:

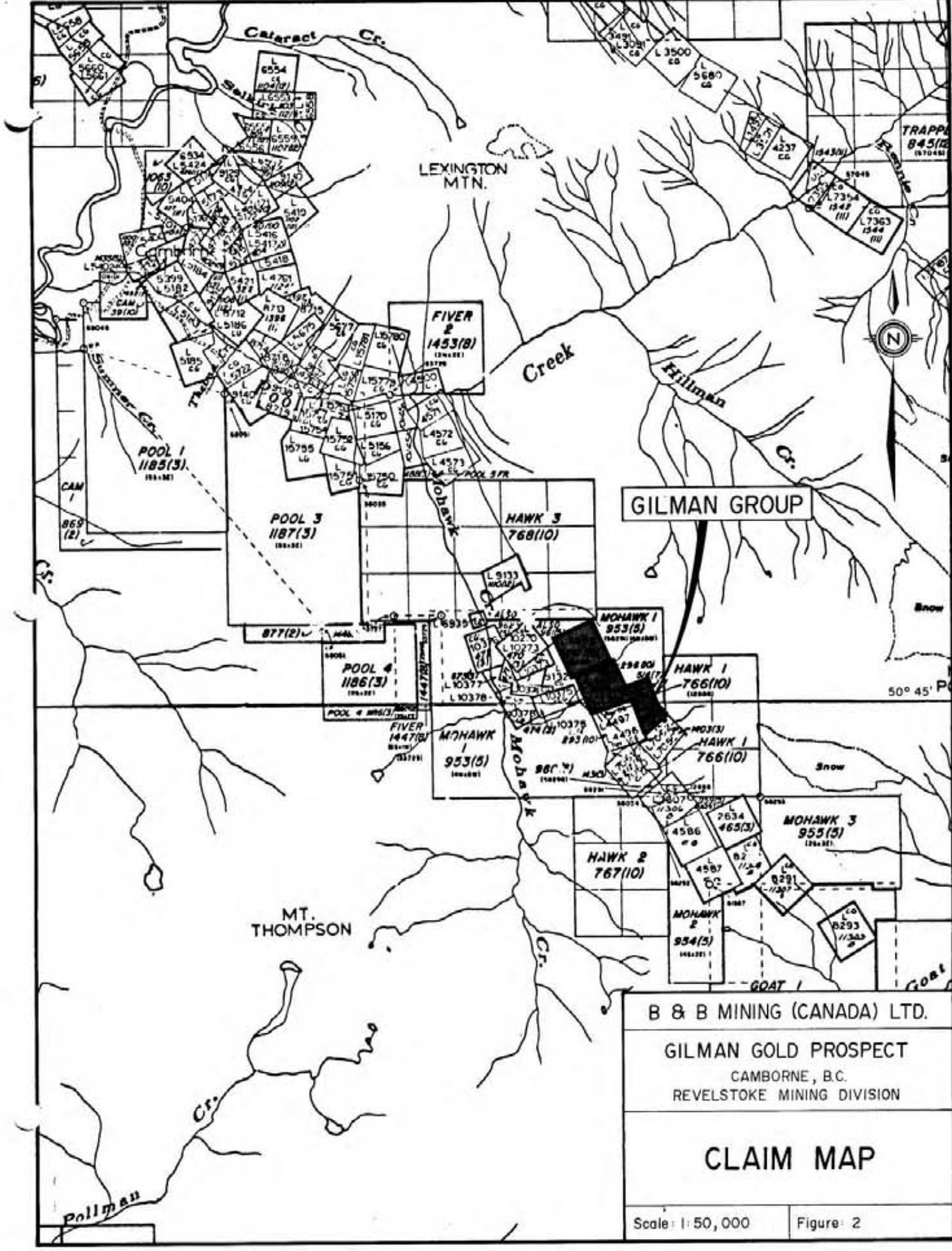
- a) Extending the known strike length of the vein to 170 m from the previously known 70 m.
- b) Confirming the presence of ore grade gold values (1.63, 1.84 oz/ton Au) of similar grade to those found in sampling programs done in the past (eg. the 1938 program).
- c) Indicating that As, Pb, Zn are present in the vein in sufficient quantities to permit their use as pathfinder elements in future geochemical soil sampling programs.

Claims, Location, Access & Physiography

The Gilman Gold property as shown in Figure 2 consists of six reverted crown grant mineral claims as follows:

Gilman	Lot No. 4496
The Black Hock	Lot No. 4497
Frisco	Lot No. 4498
Mountain Boy	Lot No. 2495
Carbonate Hill Fraction	Lot No. 7061
Little Johnie	Lot No. 7062

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GILMAN GROUP

B & B MINING (CANADA) LTD.
 GILMAN GOLD PROSPECT
 CAMBORNE, B.C.
 REVELSTOKE MINING DIVISION

CLAIM MAP

Scale: 1:50,000 Figure: 2

The property is held under option from Mr. Bob Leighton of Salmon Arm, B.C. by B & B Mining (Canada) Limited.

The claims are located 7.5 km south-east of the abandoned town of Camborne, which is itself situated 39 km south-east of Revelstoke. Camborne can be reached by public highway from either Revelstoke or the nearby village of Trout Lake. From Camborne a steep four-wheel drive road from the former Sunshine Lardeau millsite on the Incomappleux River leads along Poole and Mohawk creeks to the property. About 2 km from the prospect, the road follows Mohawk Creek and then follows a steep switch back along the north-east fork of the creek reaching the prospect at an elevation of approximately 1920 meters.

Topographically, the claim group is situated in steep mountainous terrain only 300 or 400 meters below the tree line. In spite of this, large trees, such as 75 cm diameter cedar and spruce occur on the claim group, which is mostly covered by mature forest with very little underbrush. The main showing is unfortunately located in an area of avalanche tracks, and is surrounded by tag alder principally.

The area is one of heavy winter snow fall, and this coupled with the high altitude results in the property being covered by snow from mid-October to Mid-June. Summers are wet necessitating extensive bulldozer repairs to the access road before the property can be opened up each year.

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History & Previous Development

The first mention of the Gilman showing is in B.C. Minister of Mines Annual Report for the years 1901 & 1903. The prospect is again briefly discussed in the 1914 Annual Report where it is reported that exploration completed to that date was restricted to a few shallow surface cuts, a prospect shaft 2 m deep and a short cross cut close to creek level near the southern end of the showing (the adit shown in Figure 3). A grab sample taken from the prospect shaft at that time assayed 3.5 oz/ton Au and 6.1 oz/ton Ag.

In 1933, a hand-cobbed shipment of undisclosed tonnage, locally reported to amount to 16 tons, shipped to Trail gave the following assay:

Au - 2.04 oz/ton

Ag - 2.6 oz/ton

Pb - 2.9%

Zn - 3.1%

The property is well described in the 1938 B.C. Minister of Mines Report. It was at the time under option to J.S. Rear of Vancouver, B.C. who also held the adjoining Silver Dollar property which was in production at that time. During 1938 a crew of four men from the Silver Dollar property stripped the Gilman vein both north and south of the present road, a strike length of approximately 60 meters. The B.C.D.M. geologists took 15

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samples along the surface exposure of the vein, within the 4 m adit at the southern end of the vein close to Mohawk Creek and within an adit which had been driven under the main part of the vein at some stage prior to 1938 and which is shown on the sketch map produced at that time. Most of the samples taken were channels across the vein up to 1.8 m in length. Gold values varied from trace to 1.34 oz/ton.

The property then lay idle until recently acquired by Mr. Bob Leighton of Salmon Arm who repaired the access road, performed some excavation work on the vein, and drilled an 18.2 m percussion drill hole down the vein, which averaged 0.4 oz/ton Au.

GEOLOGY

The area is underlain by phyllite and schistose greenstone of the Jowett formation of the Lardeau series. According to government reports, the general strike of the formation is N45°W with a steep dip to the north-east. The well developed schistosity and complex folding have, however, obliterated all evidence of original bedding in outcrops seen on the property and it is not therefore possible to establish with any certainty the overall attitude of the country rocks at the Gilman prospect.

Mapping of the showings indicated that in the immediate area of the main showing on the Camborne-Silver Dollar road, the country rock is a slightly pyritized green schist or phyllite showing very well developed cleavage striking north-westerly with a steep north-easterly dip.

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At the northern end of the vein, however, the country rock is a pale green talc schist containing many brown limonite specks showing relict structures after pyrite. Abundant fine grained talc minerals are present giving the rock a slippery feel in hand specimen, and a generally silvery sheen.

South of the main showings, around Mohawk Creek, the phyllite grades into massive black shale, which contains abundant disseminated pyrite and graphite (derived from the extensive shearing). The black shale in turn grades southward into phyllite which resembles that seen around the main showing. All the units seen in and around the showing have been metamorphosed to what is probably lower almadine-amphibolite grade since extensive quartz rodding is present along the noses of the folds. The quartz rods are up to 50 cm in diameter by 5-10 meters in length, and because they contain much disseminated pyrite they were sampled in several localities, but contain only very low gold values.

ECONOMIC GEOLOGY

As shown in Figure 3, the main showing on the Gilman property is situated on the Camborne-Silver Dollar road. It consists of a 2-3 m thick fault bounded vein, strike 360° , dip 80°E in this locality. Mineralization consists of 4-5 cm clusters of pyrite with minor amounts of 1-2 m crystals of galena and subhedral sphalerite. Former assaying and mill testing has shown that the

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gold occurs in the pyrite. The mineral zone in the main showing is bounded both on the foot wall and hanging wall side by strong fault contacts. Massive quartz occurs over slightly more than a metre and is confined here principally to the hanging wall side of the fractured zone.

The vein was traced by bulldozer trenching as far south as Mohawk Creek but could not be followed on the southern side of the creek due to the presence of deep overburden. As seen in the 3.5 m adit close to Mohawk Creek, the zone is 2.5 metres thick, strikes north-south, but is here dipping 50°E . Between the foot wall and hanging wall fault contacts, one metre of massive quartz is seen on the hanging wall side, the remainder of the zone consisting of 2-3 cm quartz stringers in black shale country rock. A one metre channel sample from the massive quartz in this locality, which showed appreciable pyrite, galena and sphalerite assayed 1.63 oz/ton Au.

Immediately north of the main showing on the road, the vein is covered by thick overburden in a slide area. A 5 m deep bulldozer trench in this locality failed to reach bedrock and showed that trenching originally done here in 1938 to a depth of maybe 3 m could not have reached bedrock. The vein was however located in outcrop further north (see Figure 3). It consists here of strongly fractured parallel planar foot wall and hanging wall contacts which show well developed slicken sides. The vein strikes approximately north-south, dips at 45°E . It averages

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30 cm thick in this locality, but the complete zone between the bounding fractures is filled by massive white quartz, showing sparse disseminated pyrite which carries low values in gold.

RECOMMENDATIONS

The following exploration program is proposed to extend the Gilman vein along strike and explore continuity and thickness down dip.

1. Line Cutting

500 m north-south base line.

150 m cross lines at 15 m spacing (31 lines) with stations picketed every 10 m. The southern 4 lines to be cut to 250 m length to cover extensions of Silver Dollar veins onto Gilman ground,

i.e. 7 km of line @ \$300 per km \$2,100

2. Geochemical Soil Sampling

50 samples collected per day (every 10 m) i.e. 600 samples in 2 weeks.

Spec. assays run on samples from vein show good response in As, Pb, Zn.

Analytical Costs would hence be:

Preparation	\$1.00
As	3.00
Pb/Zn	<u>2.90</u>
	\$7.00

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Total Analytical: \$7.00 x 600 = \$4,200
 Freight, Bags, etc. = 800
 Total Time: 2 weeks \$5,000

3. Geophysics

The appreciable pyrite content in the vein should respond to the V.L.F.E.M. Due to close spacing of lines and stations, total time for V.L.F.E.M. would not be more than one week.

Equipment Rental: \$1,000
 Operator: \$2,000

4. Drilling

Topography of the property would permit drilling of

4 x 60m BQ diamond holes $\frac{m}{240}$
 2 x 45m BQ diamond holes $\frac{90}{330}$

Based on recent costs, overall price should not exceed \$75 per m for BQ = \$25,000

Assays = 5,000

Total time: 2 weeks \$30,000

5. Cost Summary

	<u>\$</u>
Line Cutting	2,100
Geochemical Analyses	5,000
Geophysical Equipment Rental	1,000
Operator	2,000
Drilling	30,000
Bulldozing Drill Sites	<u>2,000</u>
	42,100

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Accommodation (3 persons) 6 weeks (\$100 per day)	4,200
Food (3 persons, 6 weeks \$50 per day)	2,100
Supervision (3 persons, 6 weeks \$400 per day)	<u>17,000</u>
	65,400
Contingency 10%	<u>6,600</u>
	<u>\$72,000</u>

CERTIFICATE

I, Christopher J. Sampson of 2696 West 11th Avenue, Vancouver, B.C. V6K 2L6 hereby certify that:

1. I am a graduate (1966) of the Royal School of Mines, London University, England, with a Bachelor of Science degree (Honours) in Economic Geology.
2. I have practiced my profession of mining exploration for the past 17 years in Canada, Europe, United States and Central America. For the past 8 years I have been based in British Columbia.
4. I am a Consulting Geologist.
5. I have not written any previous reports on the Gilman Property. This report describes programs of bulldozing, geological mapping and sampling which I directed while at the property during the period 21-27 July 1983.
6. I have not received nor do I expect to receive any interest, direct or indirect, in the Gilman property nor in the securities or other properties of B & B Mining (Canada) Limited,

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nor in those of any associated companies.

7. B & B Mining (Canada) Limited and its associated companies are hereby authorized to use this report in or in conjunction with, any prospectus or statement of material facts.
8. I have no interest in any other property or company holding property within 10 km of the Gilman Property.

Vancouver, B. C.

August 1983

Chris J. Sampson
Chris J. Sampson, P.Eng.

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SAMPSON ENGINEERING INC.

2595 West 11th Avenue
Vancouver, B.C. V6K 2L5

GILMAN PROPERTY

COST STATEMENT - For Assessment Credit

In accordance with mineral Act Regulations (B.C. Reg. 587/77)

Valuation of Work is hereby listed as follows:

1) Days worked by personnel

R. Leighton: 27,28 June, 13-27 July	
17 days@\$150 per day	\$2,550.00
 C. Samson : 28 June, 21-27 July: Property work	
3-5,8-11 August: Report Preparation	
15 days@\$200 per day	<u>3,000.00</u>
 Total Labour:	\$5,550.00

2) Food and Accommodation

R. Leighton	
27-28 June: Swiss Chalet, Revelstoke	
13-23 July: Canyon Motor Inn, Revelstoke@\$54 per day	
24-27 July: Windsor Hotel, Trout Lake@\$44 per day	
 C. Sampson	
21-23 July: Canyon Motor Inn, Revelstoke@\$35 per day	
24-27 July: Windsor Hotel, Trout Lake@\$22 per day	
 Total Including Food for Both Persons	\$1,348.73

3) Transportation Costs

R. Leighton: Vancouver-Gilman Property-Vancouver	
27-29 July: Gas	\$ 77.46
: Vancouver-Gilman Property-Vancouver	
11-27 July: Gas, Truck Rental	1,174.68
 C. Sampson : Vancouver-Gilman Property-Vancouver	
Gas, Mileage, etc.	334.45
Helicopter Charter-28 June 83	<u>776.28</u>
 Total Transportation Costs:	\$2,362.87

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4. Bulldozing Costs

Alan Marlow: D6 Caterpillar Tractor worked
14-16,18,21-26 July@\$55 per hour \$4,340.00

5) Analytical Costs

26 Assays (at \$21 per unit) 546.00
26 I.C.P. Analyses (Spec Assay@\$7.50 per unit ... 195.00
(All analytical work by Min-En Laboratories,
Vancouver) \$ 741.00

6) Report Preparation Costs

Drafting 16 hours@\$20 per hour \$ 320.00
Xerox and printing costs 150.00

\$ 470.00

7) Cost Summary

Labour	\$ 5,550.00
Food & Accom.	1,348.73
Transportation	2,362.87
Bulldozing	4,340.00
Analytical	741.00
Report Preparation	<u>470.00</u>
	<u>\$14,342.60</u>

Although all the above work was done on the Gilman Claim (L4496), assessment work credit would be applied to all six claims comprising the Gilman group (L4496-4498, L2495, L7061, L7062).

APPENDIX A

Assay Certificates

Certificate of Assay

TO: Sampson Engrg. Ltd.,
2696 West 11th Ave.,
Vancouver, B.C.

PROJECT No. _____
 DATE: July 29/83.
 File No. 3-642

SAMPLE No.	Au				
	oz/ton				
501	.040				
502	.024				
503	1.835				
504	.007				
505	.002				
506	.016				
507	.017				
508	.015				
509	.020				
510	.001				
511	.001				
512	.053				
513	.034				
514	.012				
515	.001				
516	.001				
517	.001				
518	.001				
519	.143				
520	1.630				
521	.176				
522	.041				
523	.076				
524	.001				
525	.001				
526	.001				

MINE-EN Laboratories Ltd.
 CERTIFIED BY: *[Signature]*

ATTENTION: MR SAMPDON
 (REPORT VALUES IN PPM)

	83	84	88	9	91	94	99	99	99	95	X	MB
501	5.3	2700	458	3	21	3300	11.3	12	265	26400	1750	2151
502	2.5	1650	413	3	16	11700	10.5	8	192	17500	1200	2680
503	15.3	1310	2530	12	82	201	75.4	34	678	172000	255	101
504	1.5	10900	155	9	25	4350	6.8	19	104	36300	1390	6920
505	3.9	545	323	1	14	177	5.8	7	136	12006	187	143
506	2.0	1310	271	3	19	3310	7.5	11	53	24300	557	710
507	4.2	461	359	2	19	232	8.6	7	125	17500	183	58
508	3.3	174	203	0	13	140	1.1	5	36	7530	70	36
509	2.3	1056	148	1	15	142	2.4	7	49	16300	145	163
510	1.6	1250	164	2	15	9850	4.1	3	11	20600	678	2180
511	.3	990	257	1	10	268	.4	5	2	8000	155	111
512	4.4	2490	761	8	46	665	52.3	22	1030	47100	1300	324
513	3.7	1150	218	1	14	139	3.4	7	101	10900	355	73
514	4.7	5250	188	4	19	2490	2.3	10	102	16500	677	1670
515	1.3	1970	163	1	13	223	.2	10	9	11400	193	531
516	1.0	11100	157	8	20	594	3.5	15	30	25900	990	4580
517	1.1	2360	161	1	14	605	1.0	6	9	9200	121	1070
518	.3	4630	199	3	15	531	2.4	9	25	16900	423	1550
519	44.7	1470	253	1	96	171	8.9	6	346	12000	756	106
520	24.7	1330	470	1	55	132	12.4	7	247	26200	420	71
521	12.3	940	355	2	30	3300	10.9	11	151	31700	330	1350
522	2.9	1520	222	0	16	1180	3.3	5	41	12900	596	401
523	4.1	635	358	2	26	1750	9.5	9	399	21500	291	573
524	2.0	1780	250	2	20	13700	4.2	10	36	27400	658	5850
525	1.3	2010	133	1	19	2550	2.4	11	40	26200	378	2070
526	.6	1740	172	1	13	532	.4	5	4	8920	227	573

PROJECT No:

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

FILE No: 3-6428

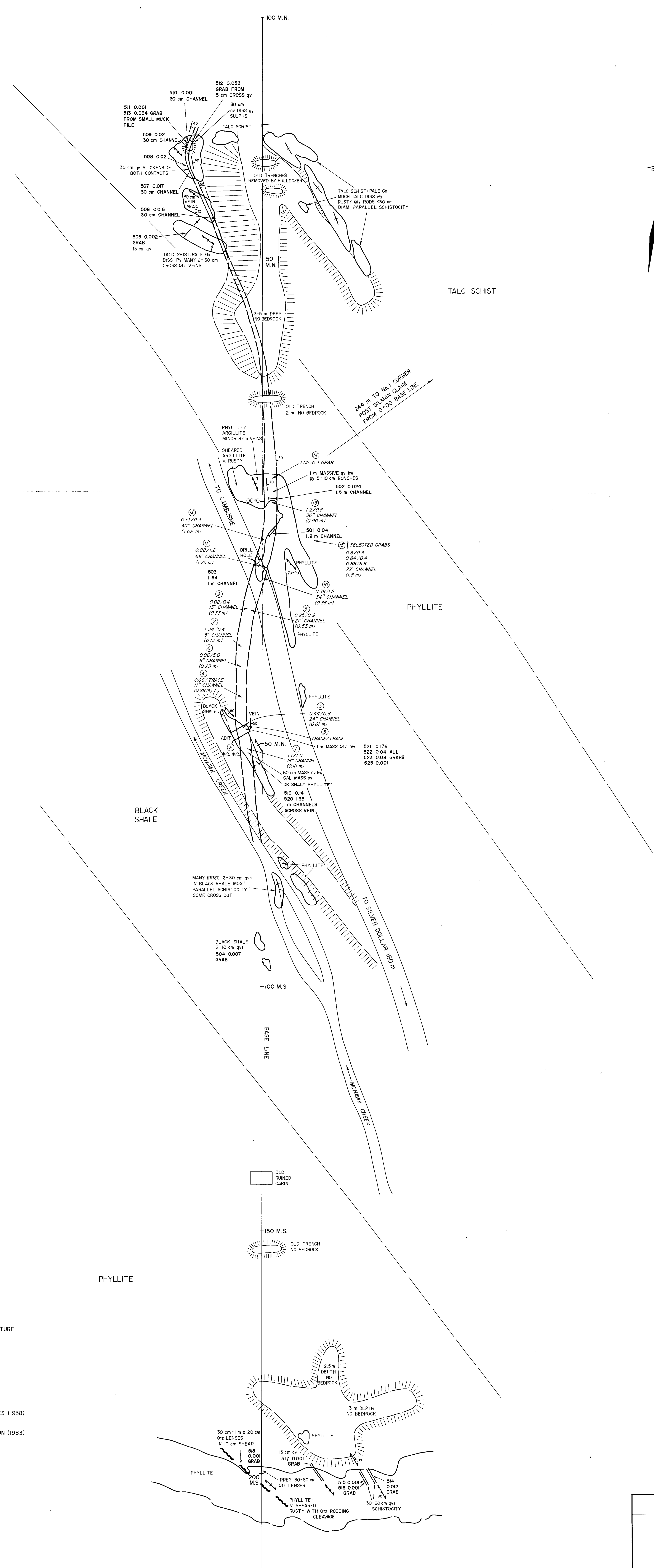
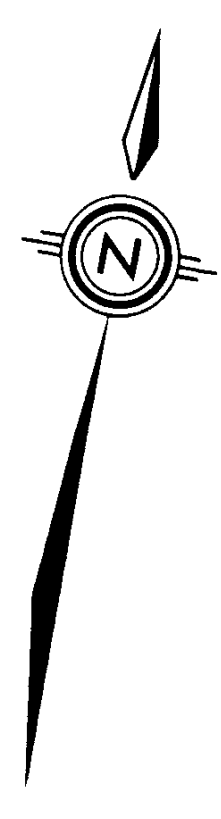
ATTENTION: MR SAMPRON

(604)980-5814 OR (604)989-4824

DATE: AUGUST 2, 1987

(REPORT VALUES IN PPM)	MN	MO	NA	NI	P	PP	SR	SS	TA	U	V	ZN
801	209	8	205	39	253	332	11	42	13	10	29.3	947
802	392	8	233	23	243	267	10	93	14	9	22.1	1820
803	0	31	45	71	318	4780	702	118	42	20	54.3	2313
804	640	15	361	50	381	162	13	63	21	12	28.0	175
805	136	7	57	29	56	2150	63	15	9	9	45.0	3750
806	550	7	428	29	585	359	35	37	17	12	24.3	253
807	130	5	101	23	114	2080	64	13	8	11	27.7	2590
808	108	4	91	18	62	399	45	8	5	8	31.7	213
809	358	5	149	20	153	250	19	13	8	9	24.9	224
810	493	9	244	25	292	35	6	82	14	13	26.3	59
811	173	5	154	23	71	24	2	11	8	11	22.1	62
812	305	20	275	46	527	13500	359	58	20	13	34.5	32800
813	116	4	170	25	40	569	16	11	9	9	21.4	1130
814	484	6	182	34	174	118	54	33	13	12	26.4	450
815	760	5	179	27	77	32	2	11	9	11	24.3	94
816	870	11	146	49	289	83	5	39	17	17	26.7	107
817	368	4	90	20	63	12	2	14	6	13	24.2	47
818	742	7	133	29	194	32	3	25	12	16	27.3	90
819	93	3	149	22	49	12900	15	12	9	15	29.2	6740
820	39	8	96	20	93	2850	11	21	10	16	27.4	2080
821	150	12	107	31	109	2290	12	48	17	18	26.3	2880
822	103	6	137	14	69	506	3	22	8	17	20.8	276
823	124	5	89	26	75	3130	87	32	10	14	20.5	2820
824	747	13	240	40	282	168	8	98	20	18	42.2	289
825	321	7	210	27	407	53	5	36	15	15	13.7	123
826	247	4	51	20	65	34	0	14	7	14	25.1	55

(REPORT VALUES IN PPM)	BA	SE
501	73	55
502	23	72
503	49	280
504	30	97
505	2	0
506	18	70
507	6	32
508	0	8
509	11	30
510	13	63
511	5	5
512	27	95
513	11	26
514	15	37
515	5	18
516	26	55
517	1	27
518	8	36
519	4	42
520	4	35
521	10	70
522	8	35
523	5	41
524	13	90
525	14	60
526	2	1

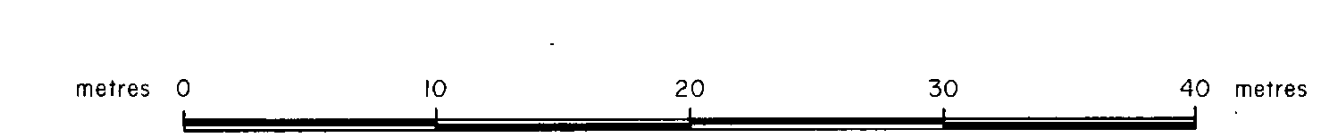


- LEGEND**
- STRIKE, DIP - PRIMARY FEATURE
 - STRIKE, DIP - SCHISTOCITY
 - OUTCROP
 - BULLDOZER TRENCH
 - SAMPLING BY DEPT. OF MINES (1938)
 - SAMPLING BY CHRIS SAMPSON (1983) (ONLY Au VALUES SHOWN)
 - QUARTZ VEIN
 - HANGING WALL
 - FOOT WALL

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,532

B & B MINING (CANADA) LTD.
GILMAN PROPERTY
PLAN
GEOLOGY; SHOWINGS



DATE JULY, 1983 SCALE 1:300 BY CHRIS J. SAMPSON