

LOG NO:	0927	RD.
SECTION:		
FILE NO:		

B.B. Claim
Blackbear Mountain

PROSPECTING REPORT 1988

Cariboo Mining Division
NTS 93 A/11 W

FILMED

Latitude 52° 37'30", Longitude 121° 22'30"

owner, operator: Merle Matherly

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

17,751

author: Merle Matherly

Sept. 17, 1988

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INTRODUCTION:

B.B. claim (3 units N., 6 units W.) is positioned on an eastern flank of Blackbear Mountain situated northeast of Likely, British Columbia. This property covers the headwaters of the southeast arm of Blackbear Creek, NTS 93 A/11 W. It is easily accessible from Likely by the 1300 (Spanish Lake) forestry road, where the claim is located 6km west on BB forestry road from the junction at km 1320 $\frac{1}{4}$. The area is in fairly steep mountainous terrain and has been well logged.

(FIG. 1)

B.B. claim

Located: 1987

Units: 18

Record No.: 8603

Anniversary: Sept. 18

owner: Merle Matherly, F.M.C. 292485

operator: Merle Matherly

Boundaries and posts were located by pace and compass and using 1:31680 claims map & 1:15840 forestry mylar maps, NTS 93 A/11 W.

Research has not revealed that companies had previously worked in this area.

4 zones carrying anomalous values in gold, silver, copper, lead, and molybdenum indicate a well mineralized environment, and more detailed exploration is required.

CHINA

CLAIMS-NTS 93 A 11/W
B.B. claim
Blackbear Mtn.
scale 1:31680

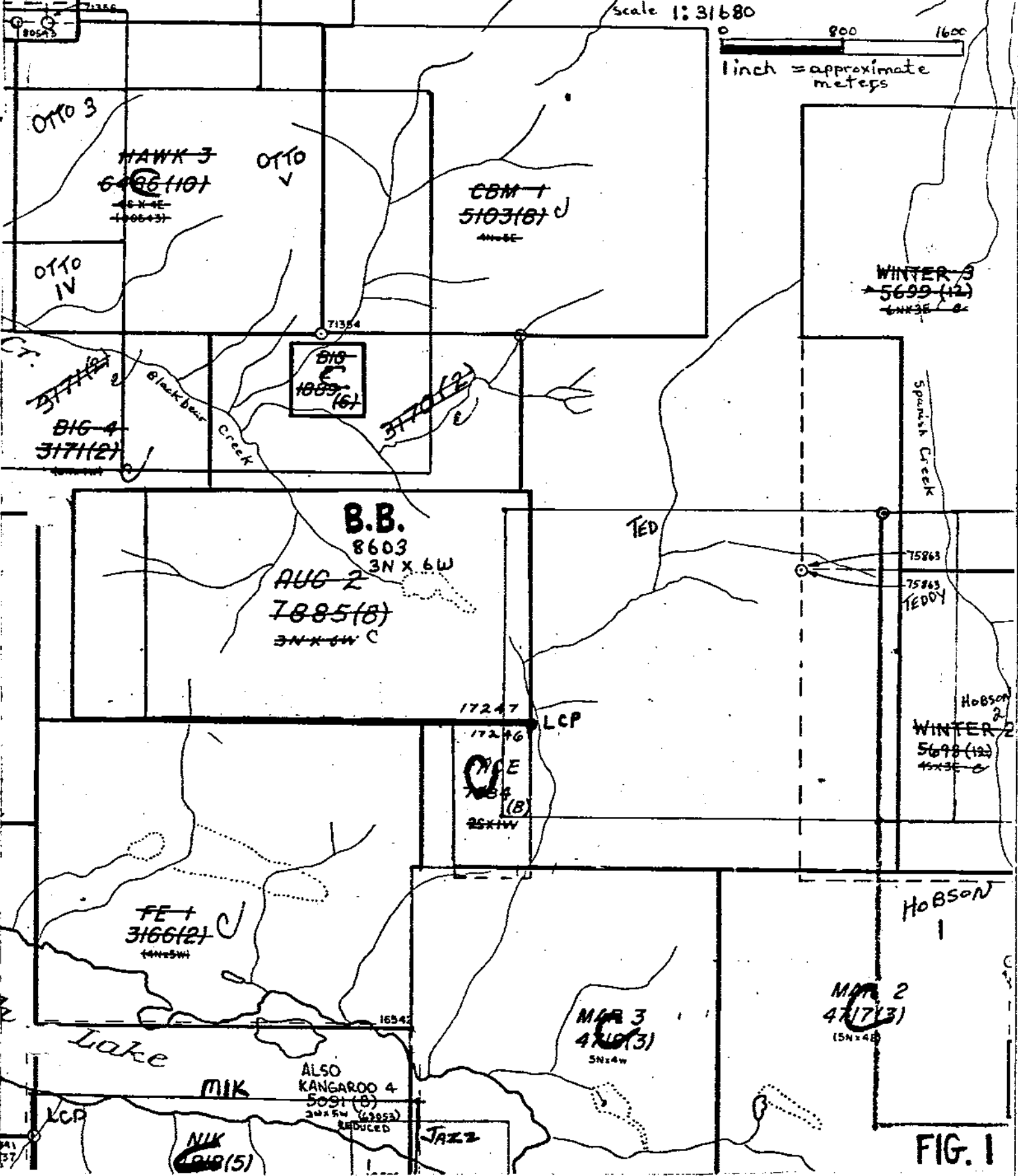
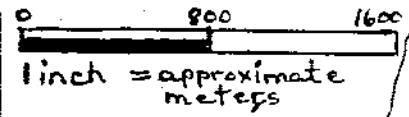


FIG. 1

GEOLOGY:

The brecciated green volcanic unit is believed to be of marine origin. This unit is defined for 3000 meters east and west, and up to 500 meters north along the southern portion of the claim, where it is in contact with the black phyllites. The phyllite unit covers the remainder of the property and has been recognized with at least 4 different horizons: graphitic black phyllites with pyrites; light, much vesiculed black phyllites with carbonate coating; metal sulphide banded, carbonated, graphitic black phyllites; knotty black phyllites with noduled carbonate fillings. The metal sulphide banded phyllites occur near: dolomitic sandstone with mariposite, shear quartz veining, and feldspar quartz porphyry with bodies of quartz.

(FIG. 2)

FIELD METHODS:

All forestry accesses were driven, the roads mapped, and 12 grab samples taken (numbered: B.B. 1-12), totalling 2 days.

A grid traverse of 6 northsouth lines and 1 eastwest line spaced 500 meters apart for 14,500 meters, was followed to outline the contact between the volcanic and phyllite units during which 9 samples were taken (numbered: B.B. 13-21), for a total of 5 days.

Mapping and sampling of 4 zones around roadcuts with very good mineralized exposures, consisted of 2 days taking 9 hand picked specimens (numbered: #12, #30, #31, #33-#38).

Follow up sampling of the 4 zones for further analytical data with 3 companies equaled 1 day, during which 17 samples were collected (numbered: #50-#57, #79-#82, #92-#96).

(FIG. 2)

Application of 1 day was required to record and classify 47 samples.

Mapping of compiled data consisted of 1 day.

1 day was applied to report preparation.

CONCLUSION:

A total of 47 samples had been collected. 25 samples were submitted for analysis, with results from 9 still not received.

The mineralized occurrences were discovered in: all phyllite horizons; quartz veins and lens, some with carbonates; and dolomitic sandstones with mariposite.

SAMPLE DESCRIPTION:

<u>Number</u>	<u>Location</u>	<u>Rock Type</u>
B.B. 1	NW of Zone 3-	very vuggy, quartz lensed, graphitic black phyllites
B.B. 2	NW of Zone 3-	much leached, weathered, graphitic black phyllites
B.B. 3	NW of Zone 3-	very brittle, vuggy, shear quartz vein with much leaching iron, muscovite mica
B.B. 4	Zone 3	- much metal sulphide banded, graphitic black phyllites with white carbonate
B.B. 5	Zone 3	- very brittle, vuggy, shear quartz vein with muscovite mica, iron stain, much disseminated metal sulphides
B.B. 6	Zone 3	- heavy feldspar quartz porphyry with disseminated pyrites, much iron leach
B.B. 7	Zone 3	- graphitic black phyllites with quartz lens
B.B. 8	Zone 2	- very vuggy, graphitic black phyllites with much iron leach & very brittle quartz
B.B. 9	Zone 2	- quartz lensed, graphitic black phyllites with much iron leach
B.B.10	Zone 1	- Quartz veining with much metal sulphides in knotty (carbonate nodules) black phyllites
B.B.11	Zone 4	- very fractured brittle quartz vein with much iron stain, in greasy graphitic black phyllites
B.B.12	NW of Zone 4-	white, brittle, barren quartz in pyritic graphitic black phyllites
B.B.13	SE of Zone 4-	black phyllites with minor quartz & pyrite
B.B.14	SW of Zone 1-	combined sample of black phyllites & volcanic breccia at contact
B.B.15	NE of Zone 2-	graphitic black phyllites with minor quartz

<u>Number</u>	<u>Location</u>	<u>Rock Type</u>
B.B.16	SW of Zone 4-	graphitic black phyllites with much brittle quartz, some iron stain, muscovite mica
B.B.17	SE of Zone 2-	heavy dense green volcanic breccia
B.B.18	S of Zone 2-	heavy dense green volcanic breccia
B.B.19	SE of Zone 3-	heavy dense green volcanic breccia
B.B.20	S of Zone 3-	heavy dense green volcanic breccia
B.B.21	Zone 3	- much weathered, dolomitic sandstone with mariposite
# 12	Zone 1	- very brittle, vuggy, quartz vein, much iron stain & metal sulphides
# 30	Zone 4	- very greasy, graphitic black phyllites with very fractured, brittle, rusty quartz vein with much metal sulphides
# 31	Zone 4	- much fractured, very brittle quartz vein with much iron stain & metal sulphides
# 33	E of Zone 2-	well leached, light, much vesiculed with carbonate coating, black phyllites
# 34	E of Zone 2-	very black greasy phyllites with fine quartz veinlets, minor carbonate
# 35	Zone 3	- metal sulphide banded, very graphitic black phyllites with white carbonate
# 36	Zone 3	- mixed sample of shear quartz vein, feldspar quartz porphyry, dolomitic sandstone - all with metal sulphides
# 37	Zone 2	- fractured quartz with galena
# 38	Zone 2	- dolomitic sandstone with mariposite & metal sulphides
# 50	Zone 1	- quartz with metal sulphides veining in knotty (carbonate nodules) black phyllites
# 51	Zone 1	- knotty phyllite quartz vein with ankerite/siderite

<u>Number</u>	<u>Location</u>	<u>Rock Type</u>
# 52	Zone 1	- quartz vein in knotty phyllites with ankerite/siderite
# 53	Zone 1	- quartz vein & knotty black phyllite wall-rock
# 54	Zone 3	- shear quartz vein with mariposite
# 55	Zone 3	- quartzite with metal sulphides
# 56	Zone 3	- quartz vein with metal sulphides
# 57	Zone 3	- metal sulphide banded, graphitic black phyllites with white carbonate
# 79	Zone 1	- quartz vein with metal sulphides
# 80	Zone 1	- quartz & pyrite grab
# 81	Zone 3	- metal sulphide banded, graphitic black phyllites with white carbonate
# 82	Zone 2	- very weathered dolomitic sandstone with mariposite & disseminated metal sulphides
# 92	Zone 1	- knotty black phyllites of noduled carbonate fillings
# 93	Zone 1	- rusty vuggy quartz vein with metal sulphides
# 94	Zone 2	- very weathered dolomitic sandstone with mariposite & disseminated metal sulphides
# 95	Zone 3	- metal sulphide banded, graphitic black phyllites with white carbonate
# 96	Zone 3	- shear quartz vein grab

ASSAYS:

<u>Zone</u>	<u>Sample</u>	<u>Cu</u> ppm	<u>MoS₂</u> ppm	<u>Zn</u> ppm	<u>Pb</u> ppm	<u>Ag</u> ppm	<u>Au</u> ppb
1	B.B.10	428	5	16		1.7	
1	# 12	14	1	4	2	.1	3
1	# 50	58		9	5	.48	
1	# 51	23		11	6	.48	
1	# 52	20		6	7	.16	
1	# 53	70		21	8	.64	
2	# 37	28		133	2240	152.8	50
2	# 38	70		78	1920	13.4	ND
3	B.B. 4	136	80	10		1.7	
3	# 35	25		35	24	1.44	60
3	# 36	118		24	12	1.20	135
3	# 54	53		34	18	2.08	
3	# 55	73		6	8	1.12	
3	# 56	28		5	309	1.28	
3	# 57	33		30	42	2.40	
4	# 31	75		25	12	.88	100

79-# 82 and # 92-# 96 samples not received yet.

EXPENDITURES:

Rentals - 1984 Ford Ranger 4x4 - 13 days X \$40.00/day	\$ 520.00
Room & Board - 13 days X \$50.00/day X 2 persons	\$ 1300.00
Labour: Foreman - 13 days X \$130.00/day	\$ 1690.00
Compassman - 13 days X \$120.00/day	\$ 1560.00
Travel Expense - 13 days X \$10.00/day	\$ 130.00
Prospecting materials & supplies -	<u>\$ 200.00</u>
	TOTAL \$ 5400.00

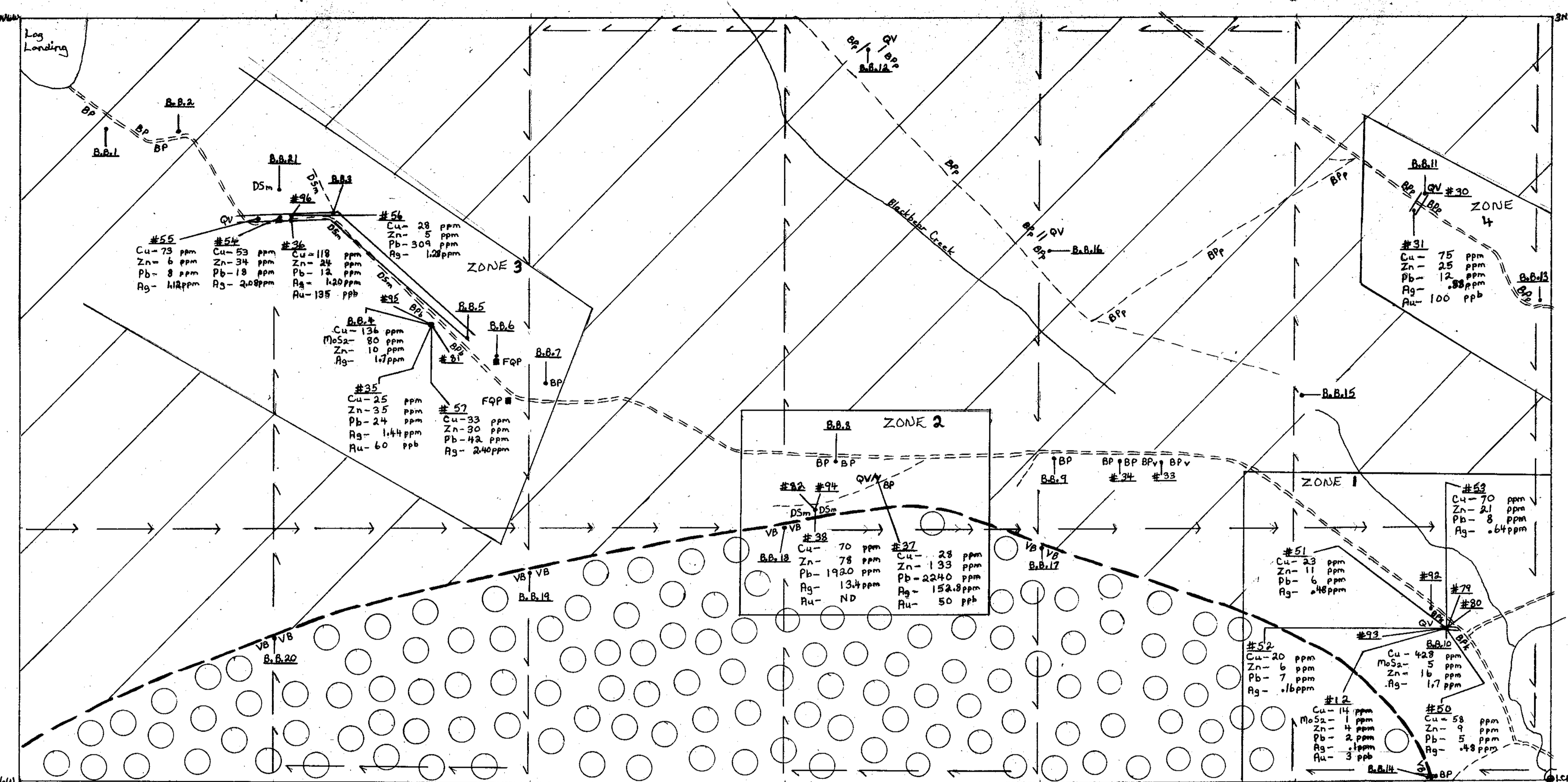
STATEMENT of QUALIFICATIONS:

I, Merle Matherly, of 150 Mile House, B.C., do certify that:

- I am a prospector with a valid Free Miners' Permit
- I have attended: The Prospectors' Course at Cariboo College, 1979, (instructor - Gary Bysouth, senior geologist, Gibraltar Mines Ltd., McLeese Lake, B.C.)
- I have completed the Advanced Mineral Exploration Course for Prospectors': Ministry of Energy, Mines & Petroleum Resources at Selkirk College, Nelson, B.C., 1981
- From 1978 to the present, I have been actively engaged in field exploration
- I have been personally involved in the prospecting programs and have organized the results

Merle Matherly,
F.M.C. 292485,
owner/operator

Merle Matherly



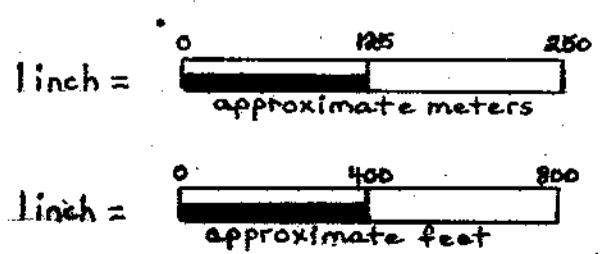
N

B.B. claim
18 units

BLACKBEAR Mtn.
NTS 93 A/11 W
Latitude 52° 37' 30", Longitude 121° 22' 30"

- LEGEND**
- black phyllite mass
 - volcanic breccia mass
 - BP graphitic black phyllites
 - BPK knotty (carbonate noduled) black phyllites
 - BPv vesiculed black phyllites
 - BPP metal sulphide banded black phyllites
 - BPPb pyritic black phyllites
 - VB volcanic breccia
 - FQP feldspar quartz porphyry
 - QV quartz vein
 - DSm dolomitic sandstone with mariposite
 - contact
 - # sample
 - ↔ traverse routes
 - == roads
 - ~ creek
- Boundaries + posts located by pace + compass using - 1:31680 claims map + 1:15840 forestry mylar map

SCALE
1:5000



By: MERLE MATHERLY, 1988
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ASSESSMENT REPORT**

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