GEOCHEMICAL REPORT
BLACK MARTIN MINERAL CLAIMS
RECORD NO. 1128, 1129
CUNNINGHAM CREEK AREA
CARIBOO MINING DIVISION B.C.
MAP 93A 14W

for

RESOURCEX LTD.
709-744 WEST HASTINGS STREET
VANCOUVER, B.C.

by

STEPHEN QUIN
B.Sc. MINING GEOLOGY
709-744 WEST HASTINGS STREET
VANCOUVER, B.C.

August 18, 1980

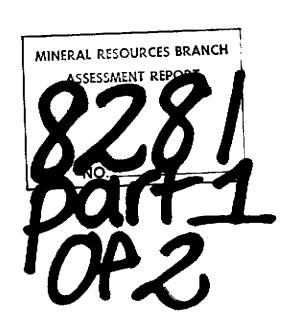


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^{*}From Prospecting Report Quin S.P. 1980

LOCATION AND ACCESS

The Black Martin Claims are located 20 miles south of Barkerville in the Cariboo Mining Division of B.C. The approximate centre of the claims is Lat. 52°55'N, Long 121° 21'W.

Access is by a dirt road passable to four wheel drive vehicles, south from Barkerville towards Likely for a distance of approximately 20 miles. Barkerville is 53 miles east of Quesnel by Highway #97.

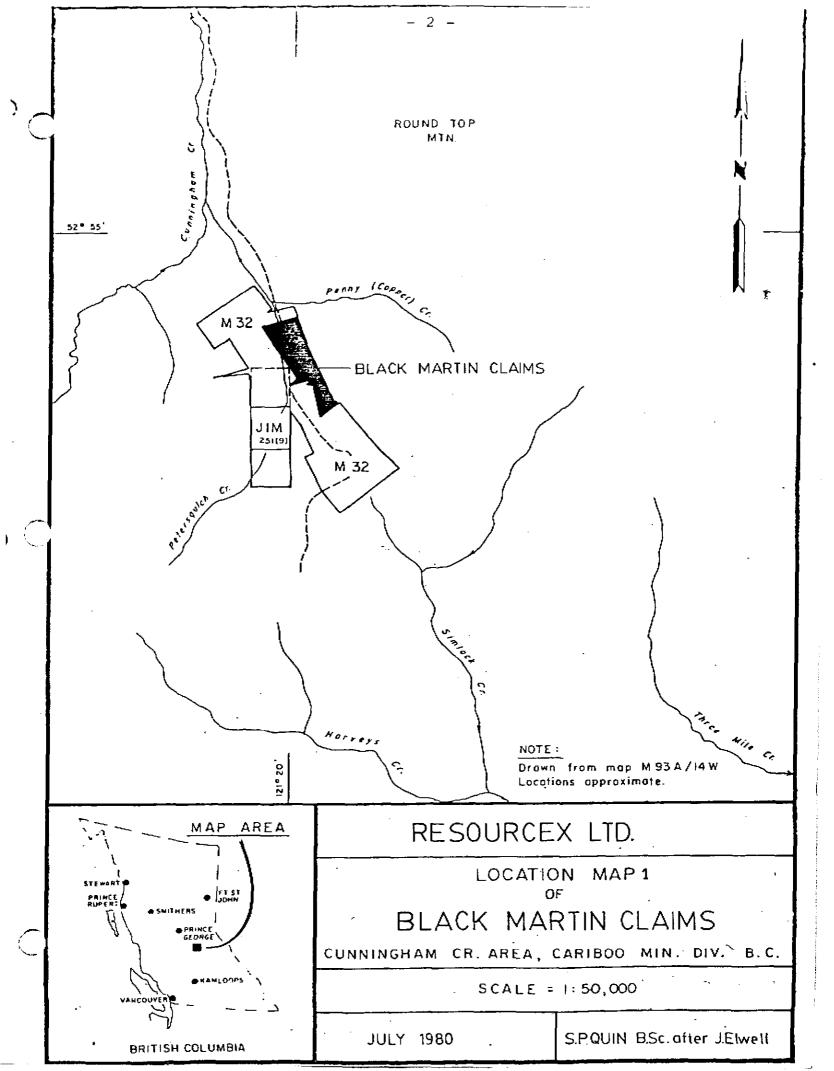
A Location Map accompanies this report (Map 1).

THE PROPERTY

The Black Martin property consists of 4 reverted Crown Grants that were held under Mineral Lease #M32 until 1974 when they were dropped from the Lease.

The details are:

Reverted C.G. Claims	Lot NO	Record No
Black Martin #2	L5914	1129
Black Martin #1	L5915	1129
Black Martin #3	L5916	1128
Black Martin Fraction	L5918	1128



PROPERTY HISTORY

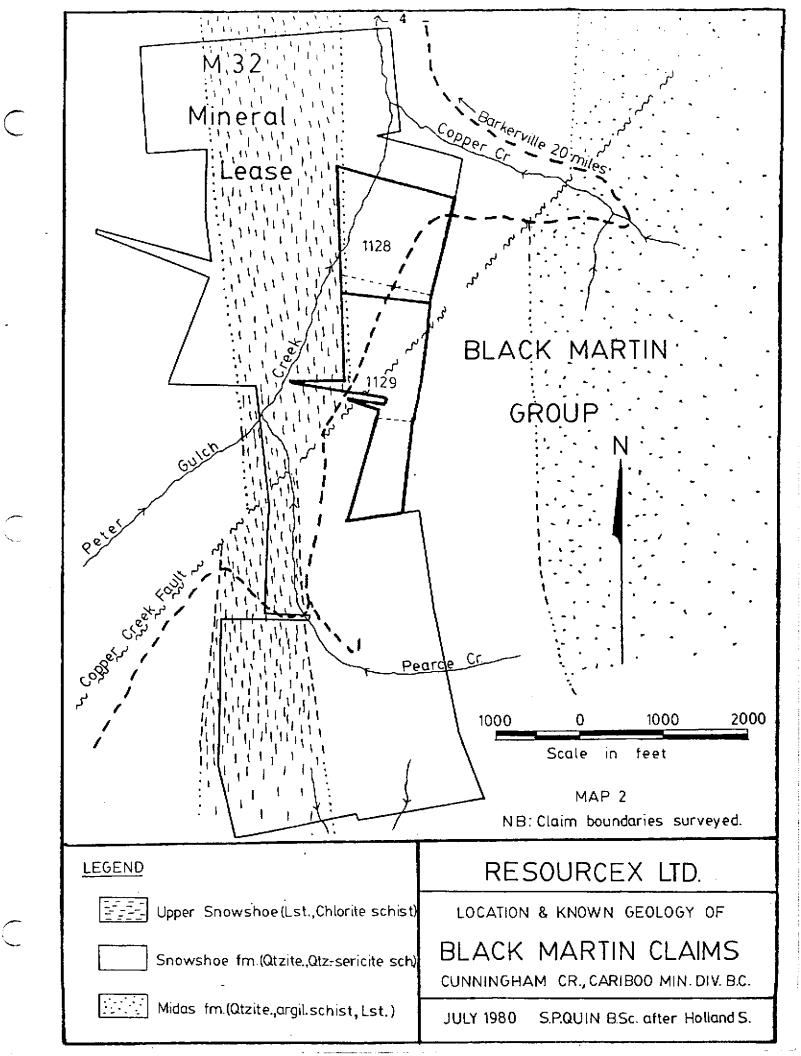
The Black Martin Lots were part of the M32 Mineral Lease in 1974 but were dropped by the owners, Resourcex Ltd. of Calgary, Alberta between their general survey in 1973 and the detailed study in 19762. They were reaquired by Resourcex Ltd. in 1979 as Mineral Claims.

PREVIOUS WORK

The only recorded work on the area consists of a geophysical and geochemical study by Resourcex in 1973^{1} involving VLF EM, Magnetometer and soil surveys on a 400 ft. x 400 ft. grid over the whole M32 Mineral Lease, after which these Lots were dropped from the Lease.

Previous to this the only work consists of a general geological survey by S. Hollands in 1953³ which indicate the claims to be on the eastern limb of a syncline within the Showshoe Formation (Quartzite and Conglomerate). The area is possibly cut by a dextral shear zone -(see Map 2) - the Copper Creek Fault.

In August 1979 the author visited the property and soil sampled the Northern unit along the road and stream and prospected the whole length of the 2 units. (Quin S.P. Prospecting Report Black Martin claims 1980). The interpreted and mapped geology for these is given on Maps 12 & 11 respectively.



WORK DONE AND PERSONNEL

In August 1980 the author visited the property and soil sampled along the Likely-Barkerville road. The samples were taken from above the road and from the B horizon where such existed. A total of 43 soil samples were taken at 10m intervals and analysed for Cu, Pb, Zn, Aq, Au and W.

Also any mineralized outcrop or Qurtz vein float were chip sampled. A total of 13 were collected and analysed for Cu, Pb, Zn, Ag, Au and W.

All analyses were done by Acme Analytical Ltd. of 852 E. Hastings Street, Vancouver.

RESULTS

The soil geochemistry results are given in Appendix 1 and plotted as worm maps for each individual element in Maps 4-9.

The Rock chip geochemistry results are given in Appendix 2 and the sample sites on Map 10.

DISCUSSION OF RESULTS

The anomaly at \$130 is of most interest in this traverse since it contains anomalous Copper, Lead, Gold, Silver and Zinc and is possible the southward extension of a Pyrite-Galena-Sphalerte-Quartz vein to the NNW - almost along strike-known to be anomalous in gold and silver but just outside the property boundaries (both Black Martin's and M32's).

There are other soil anomalies of minor interest. Two chip

samples; S129-5R and S137-2R are anomalous in gold. The former was Ω uartz vein float while the latter was grey quartzite float.

RECOMMENDATIONS

The S130 soil anomaly should be followed up by detailed soil sampling on a 5m x 20m grid (20m North South spacing) right up to the Northern claim boundary and south as far as it is possible to trace it. If a continuous anomaly is found it should initially be trenched out by a backhoe.

The two float samples should be traced back to their source, if possible, and the source bulk sampled.

S.P. QuiN

CERTIFICATE

- I, Stephen Paul Quin, of 709-744 West Hastings, Vancouver, B.C., do hereby certify that
- 1. I am a Mining geologist of 709-744 West Hastings, Vancouver, B.C. with an office at this address.
- 2. I am a graduate in Mining Geology from the Royal School of Mines, London, Great Britain, and I am an associate of the said school.
- I have 6 months prospecting and exploration experience in British Columbia with Invex Resources Ltd.
- 4. The above report is compiled from the given references on the authors personal experience of the property.

Dated at Vancouver, B.C. this 18th day of August, 1980.

S.P. QUIN, B.Sc., A.R.S.M.

HOW!

ITEMISED STATEMENT OF COSTS

43 Soil Samples for Cu, Pb, Zn, Ag, Au, W at \$7.50	\$	300
13 Chip Samples for Cu, Pb, Zn, Ag, Au, W at \$9.00		117
Sample Shipment		10
Labour - 1 person, 2 days at \$85 p.d.		170
Room & Board - 1 person, 3 nights at \$20 p.d.		60
Transport - Blazer and Fuel		100
Equipment and Misc. (Flagging, Bags, Thread etc.)		15
Report - 3 days at \$80 p.d.	;	240
TOTAL	\$10	012

APPENDIX 1

SOIL GEOCHEMISTRY

Invex Resources Ltd., 709 - 744 W. Hastings St.,

Vancouver, B.C.

Assaying & Trace Analysis

EE2 F. Hasting: St., Vancouver, B.C. V6A 1R6

phone:253 - 3158

File No. 80-717
Type of Samples Soils

GEOCHEMICAL ASSAY CERTIFICATE

Disposition_____

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104			38 .3	.030	15				;	-
105	38		30 .2	.025	2					<u> </u>
106	36		8 .2	.025	0					
107			94 .3	.025						-
108					0					1
109			38 .2 4 .2	.030	0					
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DETERMINATION:	ASSAYER
	DEAN TOYE, B.Sc. CHIEF CHEMIST CERTIFIED B.G. ASSAYER

10 Invex Resources Ltd.,

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	8	30-717
	File No.	 Sō11s
~	Type of Samp	

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141	45 35	80 .:		0		
142	28 31	68 .:		5		
143	38 23	54 .3	.005	0 .		. 1
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DETERMINATION:....

DEAN TOYE, B.Sc. CHIEF CHEMIST CERTIFIED B.C. ASSAYER

ASSAYER

APPENDIX 2

ROCK CHIP GEOCHEMISTRY

Invex Pesources Ltd.,

Assigns & Terry Audion Park E. Horrisch, Mr. No.

phone 215 3415

80-717

Type of Samples _ Rocks _ GEOCHEMICAL ASSAY CERTIFICATE SAMPLE No. Cu ΡЬ Zn Ag Αu 6 *S* 94.2 40 . 1 i.UU5. 100.2 11 .005 2 101 .17 8 36 .005 103 2 6 32 ..005 5 11 104.7 . 1 .005 11 39 110.8 14005 12 .. 5 .005 13 12 _25 ...115-2 .005 14 119.2 4 .28.. ...030 . 0 15 126.5 12 .21. _10 ...040 16 .2 129.5 ٠5. ...160 17 _1 _ ..005 .. 9 21 2 131.5 18 2100 _137_2_ 111 19 _12 .005. 2 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 All reports are the confidencial property of clients DATE SAMPLES RECEIVED July 30, 1980 All results are in PPM. DATE REPORTS MAILED_ Aug.__8,_1980__

DETERMINATION:.....

CHIEF CHEMIST CERTIFIED B.C. ASSAYER

ASSAYER

DEAN TOYE, B.Sc.

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1.	Allen G.B. 1974	Geochemical and Geophysical
		Report on the Cunningham Creek
		Property (Resourcex)
2.	Allen G.B. 1977	Exploration Report for the
		Cunningham Creek Property(Resourcex)
3.	Elwell J.P. 1979	Report on the Cunningham Creek
		Property (Invex)
4.	Hollands S. 1954	Geology of the Yanks Peak and Roundtop Mountain Area, Cariboo
		District, B.C.
		(B.C. Dept. Mines Bull N ^O 34)
5.	Quin S.P. 1980	B.Sc. Min. Geol. Thesis for Royal
		School of Mines, London, U.K.
6.	Quin S.P. 1980	Prospecting Report on the Black Martin claims

