GEOCHEMICAL REPORT

on the

PROSERPINE PROPERTY

BARKERVILLE, B.C.

CARIBOO MINING DIVISION

NTS 93H/4E

LATITUDE 53° 04' N LONGITUDE 121° 31' W

CLAIM OWNERS: B.J. Price

R.J. Barclay

OPERATOR: CLIFTON RESOURCES LTD.

SUBMITTED: May 3, 1984.

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INTRODUCTION

The Proserpine claim group is composed of 46 reverted crown granted claims located about 6 km southeast of Barkerville, B.C.. The claims are in open spruce forest with gentle topography at elevation about 1650 meters. Access to the claims is by two wheel drive vehicle from Barkerville.

PREVIOUS WORK

The claim area has been prospected since the 1860s. The claim with the most interest, the WARSPITE, was staked in 1916. Extensive underground and surface trenching was carried out between 1933 and 1946. Subsequently, McIntyre Mines conducted a soil survey over part of the claim area. This survey is a continuation of this preliminary investigation.

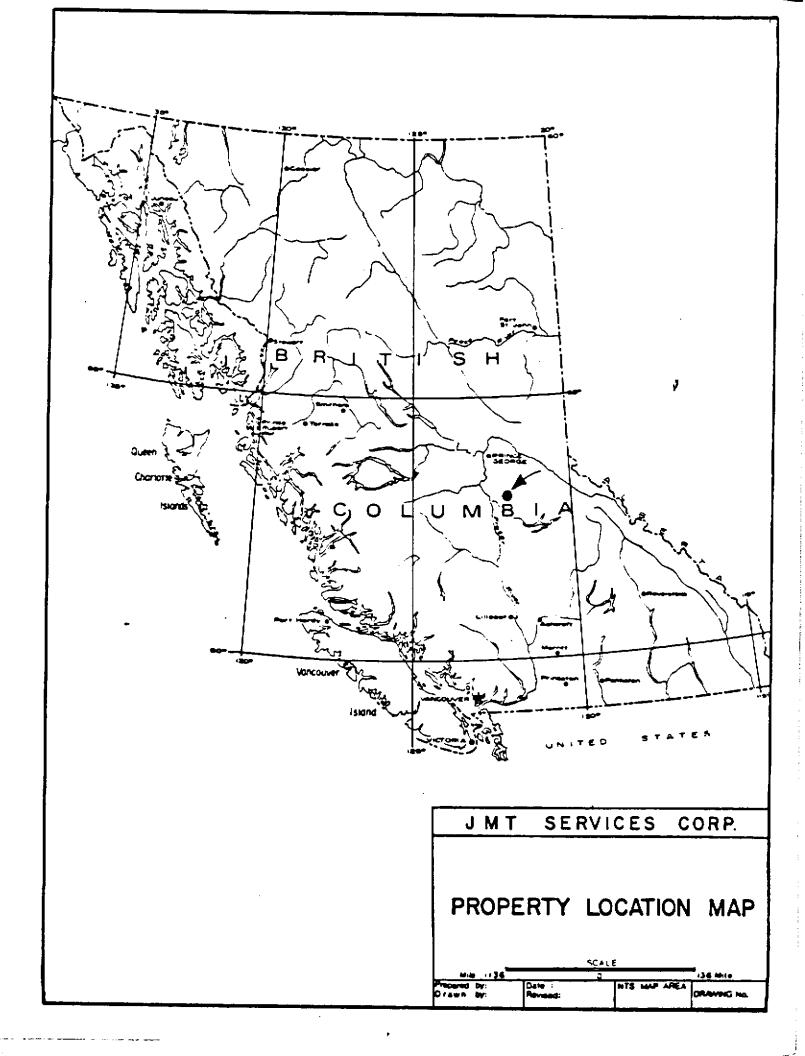
CLAIM OWNERSHIP

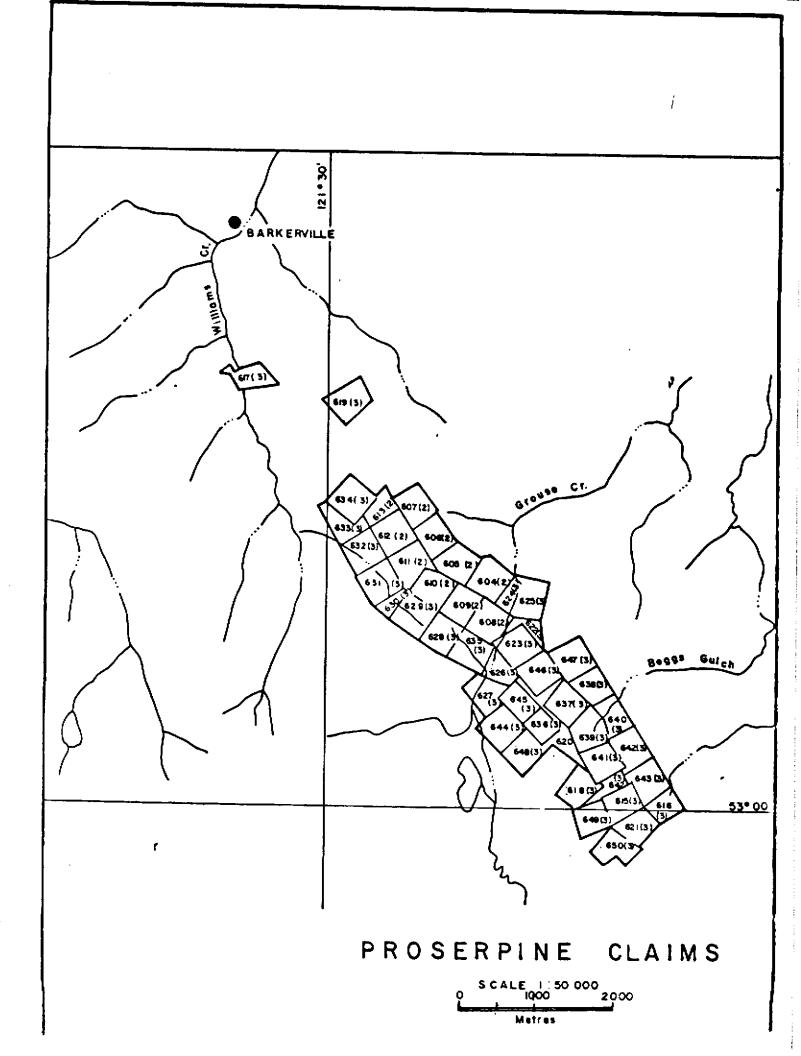
The claims are presently held under option to GEO-EX RESOURCES LTD. and CLIFTON RESOURCES LTD. from Mr. B. Price and Mr. R.J. Barclay.

Claim list: as appended.

GEOCHEMICAL SURVEY

In the summer and fall of 1983, JMT SERVICES CORP. carried out a soil geochemical survey for CLIFTON RESOURCES LTD. on the PROSERPINE property. A baseline oriented 150° was chained and flagged every 25 meters. Cross-lines were run at 30 meters, 40 meters, 50 meters and 150 meter intervals on various parts of the property, based on the results





of previous survey work and mapping. Detail sampling at 30 meter intervals was carried out over the area with known mineralized showings and old workings. More reconnaissance-type sampling was done elsewhere on the claim area.

A total of 1467 soil and 4 rock chips were taken. Soil was taken from the B horizon where possible. However, poor soil development was present in some of the claim area and C type soils were collected. Overburden is generally shallow, 3-5 meters, or less. The soils were collected in kraft sample bags. Chemex Labs Ltd., 212 Brooksbank Avenue, North Vancouver did all the analyses. Gold determinations were done by neutron activation analysis. Lead was determined by nitric-perchloric digestion and atomic absorption analysis.

RESULTS

Gold Anomalies - West Map

There are five strong anomalous areas, greater than 20 ppb Au in soil with contourable peak values greater than 160 ppb. The WARSPITE anomaly appears to be related to a quartz vein structure which was explored underground in 1946 and prior thereto. This anomaly appears to swing southward into the TIPPERARY claim. This southward extension may be related to a north-south fault described in the old reports. It is difficult to pick the location of this fault precisely by field outcrop mapping. Some back-hoe trenching of these anomalies is warranted. The HARD CASH and INDEPENDENCE anomalies are broader and more diffuse. They are in an area of poor exposure on a hillside below the mineralized showings on the INDEPENDENCE claim. It is possible that these are down

slope transported anomalies. No bedrock directly below these anomalies is exposed.

Lead Anomalies - West Map

The mineralization where exposed in old pits, adits and trenches generally carries minor amounts of galena. Lead was assayed in the belief it might be a pathfinder to gold mineralization. Unfortunately the pattern of anomalous lead is so broad as to be effectively useless as a specific way to find a target. It does however outline very well that package of rocks which contains the bulk of the mineralized showings. This in a general way mimics the Baker-Rainbow contact described in earlier reports.

The anomalous area trends northwest off the claims. The zone is 4-500 meters wide and 2000 meters long, open in both directions on strike. When trenching the gold anomalies some consideration should be given to evaluate the bedrock in the area of the highest Pb anomalous zones, such as on the TIPPERARY claim.

Gold Anomalies - East Map

A large geochem anomaly trending north-south, centered on 22+00S 0+30E, is the main feature. The anomaly greater than 20 ppb is 800 meters long by 1-300 meters wide. There are several smaller satellitic anomalies up to 80 ppb. Within this anomaly are several well mineralized prospect pits and trenches, the most notable is on the GROUSE claim. The northwest part of this anomaly is on a hillside on the east of Grouse Creek, and may be partly transported. Some mineralized galena

float has been found in this area. Trenching in the overburden covered parts of this anomaly is recommended.

Lead Anomalies - East Map

The lead anomaly is very similar in pattern and distribution to the gold anomalies except broader. The area greater than 60 ppm is 1100 meters long and 1-300 meters wide. It also defines a strong north-south orientation.

GEOCHEMISTRY -- SE RECONNAISSANCE MAP

Soil samples were taken on 150 meter spaced lines. The results of the survey are not conclusive. There are a few anomalous spot highs for Pb and Au which would warrant further investigation only after the areas of anomalous geochem on the other map areas have been investigated.

CONCLUSIONS

The geochemical survey has outlined very large target areas for further exploration. The broad patterns are believed to reflect major structural and lithologic controls to the gold mineralization. The typical ore body in this area is however considerably smaller than these broad geochemically anomalous areas. These broad anomalous zones have outlined a general target area for detailed geological work. Areas of poor exposure will have to be opened up by trenching. Initially,

trenching should be done close to areas of known mineralization uncovered by the old timers. Focus should be given to the GROUSE claim area, INDEPENDENCE, TIPPERARY and WARSPITE claim areas.

Respectfully submitted,

K. Wayne Livingstone,

STATEMENT OF COSTS

JMT Services Corp.

8827 HUDSON STREET + VANCOUVER, B.C. V6P 4N1 + TELEPHONE 266-1811



JAMES S. CHRISTIE, PhD K. WAYNE LIVINGSTONE, MSc. GORDON G. RICHARDS, M.A.Sc., P.Eng. 274-2839 GERALD LAUZON, Mgr. W.A. HOWELL, Geol.

FREE 8183.

INVOICE #83-730-051

228-8054 266-4208 277-4778 277-7082

August 25, 1983

Cliffton Resources Ltd.

960 - 675 Howe Street

Vancouver, B.C

V6C 2T6

INTERIM INVOICE

RE: PROSERPINE GEOCHEM

AND GEOLOGY

TIME

W. A. Howell, geologi	ist	7 days @ \$250.00 3 days no charge		\$ 1,750.00
K. W. Livingstone, ge	eologist	July 26,27, Aug 1-8	10 days @ \$250.00	2,500.00
M. Carr, geologist		Aug 1(1),2-8	71 days @ \$250.00	1,875.00
M. Hagemoen, geochem	sampler	July 26-31, Aug. 1-8	14 days @ \$135.00	1,890.00
J. Vezina, geochem sa	ampler	July 26-31 Aug 1-8	14 days @ \$135.00	1,890.00
DISBURSEMENTS				
		ys in field @ \$35.00 - August 8 l4 days @		1,750.00
	-	e), mileage (to be b	· · · · · · · · · · · · · · · · · · ·	560.00
PWA Freight	#82715F	· •	\$ 23.50	
D-Line	#616946		18,00	
M. Hageomen, expense:	s		60.22	
-	#99921		19.00	
ŧ	#80946		41.80	
1	#49553		116.82	
Min of Finance (air p	photos}		85.60	
)) II			29.96	
Kingsway Kourier			17.00	
Hudson Buildings Supp			278.74	
	#4	6230	95.65	
Gold Flake Motel			32.64	
W. A. Howell expense:	s -	gas	185.06	
	-	motel	38.16	
			60.91	
		vehicle rental	245.00	
K. W. Livingstone, ex	xpenses	- miscellaneous	125.37	
		- fuel & motel	294.54	
		11	212.82	

Richmond Reproducers	#3258	\$ 13.05	
	#316 6	79.54	
Sample bags consumed		250.00	
Northern Mountain Helic	copters #23064	704.06	
	#23072	754.35	
	Sub total	\$ 3,781,79	
	Plus 10%	378.18	
hdiranaa fan agaree 1	2001 A #10 00		\$ 4,159.97
Advance for assays - 1.	300 Samples 6 \$10.00		13,000.00
		TOTAL	\$29,374.97
PLEASE REMIT _ \$29,374	.97		
		Yours truly,	
		- ·	_

KWL:gmb enclosures K. Wayne Livingstone Geologist

STATEMENT OF QUALIFICATIONS

- I, K. WAYNE LIVINGSTONE of Vancouver, British Columbia do hereby certify that,
- I am a Professional Geologist, working in British Columbia and residing at 6775 West Blvd., Vancouver, B.C.
- I am a graduate of CARLETON UNIVERSITY, Ottawa, Ontario with a B.Sc. honours geology, 1966.
- I am a graduate of the UNIVERSITY OF BRITISH COLUMBIA with a M.Sc. geology, 1968.
- 4. I have practiced my profession as a mining exploration geologist since 1965.
- 5. I am a Member of the Geological Association of Canada.
- I am a Member of the C.I.M.M.
- 7. This report is based on personal knowledge of the geology and mineral potential of the claim area.

K. Wayne Livingstone, M.Sc.

APPENDIX 11

MINERAL CLAIMS

CLAIM NAME	RECORD NUMBER	RECORD DATE
GOGETTER	604	February 20, 1978
GENERAL CURRIE	605	February 20, 1978
BLIGHTY	606	February 20, 1978
TRUE BLUE	607	February 20, 1978
BARD CASE	608	February 20, 1978
INDEPENDENCE	609	February 20, 1978
KITCHENER	610	February 20, 1978
TIPPERARY	611	February 20, 1978
WARSPITE	612	Febraury 20, 1978
PENELOPE	613	February 20, 1978
MARS	615	March 16, 1978
AM NO. 6 KING FRACTURE	616	March 16, 1978
ANTLER No. 2	617 61 8	March 16; 1978 March 16; 1978
PIN MONEY STAR FRACTION	619 620	March 16: 1978
LUNA	621	March 16, 1978
PTARMIGAN PRACT	622	March 16, 1978
DISCOVERY	623	March 16, 1978
KUMANGETIT	624	March 16, 1978
HACKLE	625	March 16, 1978
LUFF	626	March 16, 1978
TOR	627	March 16, 1978
PORPHYRY	628	March 16, 1978
PRE CAMBRIAN	629	March 16, 1978
AVIATOR	630	March 16, 1978
AXOIC	631	March 16, 1978
AMOS	632	March 16, 1978
ANDY	633	March 16, 1978
NORAH	634	March 16, 1978
GRANITE FRACTION	635)	March 16, 1978
TOURMALINE	635	March 16, 1978
ANTLER	63 6	March 16, 1978
VENUS	637	March 16, 1978
AM No. 2	638	March 16, 1978

MERCURY	639	March 16, 1978
AM No. 3	640	March 16, 1978
SATURN	641	March 16, 1978
AM No. 4	642)	March 16, 1978
NUT FR.	642}	March 16, 1978
AM No.5	643	March 16, 1978
TWEEDSMUIR	644	March 16, 1978
GROUSE	645	March 16, 1978
JUBITOR	6 46	March 16, 1978
AM No. 1	647	March 16, 1978
TRIUMPE	648	March 16, 1978
ANTLER No. 3	649	March 16, 1978
ANTLER No. 4	650	March 20, 1978



