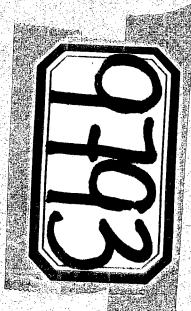
GEOCHEMICAL REPORT SCUZZY #1 and #2 MINERAL CLAIMS NEW WESTMINISTER MINING DIVISION LATITUDE 49°49'N LONGITUDE 121°45'W NTS 92H/13W FOR TERRITORIAL PLACER GOLD LTD. and JMT SERVICES CORP BY COLIN HARIVEL

81-#1024- #9793

NOV. 27/81



and the second

GEOCHEMICAL REPORT

SCUZZY #1 & #2 MINERAL CALIMS

NEW WESTMINSTER MINING DISTRICT

LATITUDE 49°49'N LONGITUDE 121°45'W

NTS 92H/13W

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FOR TERRITORIAL GOLD PLACERS LTD.
and

JMT SERVICES CORP.

BY Colin Harivel, B.Sc.

November 27, 1981



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APPENDIX I - GEOCHEM SAMPLE RESULTS	

LIST OF ILLUSTRATIONS

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. 1 12	•	PROPERTY LOCATION MAP		2
	2	CLAIM MAP		3
· • •	•	GEOLOGY & SAMPLE LOCATION MAP	IN	POCKET
:-		Mo, W GEOCHEMISTRY	IN	₽¢1
		Cu, Pb, Zn GEOCHEMISTRY	IN	P.



INTRODUCTION

In August 1980, during a programme funded by Territorial Gold Placers Ltd., float containing molybdenite was discovered by C. Harivel at the headwaters of Big Silver Creek, east of Harrison Lake. Further prospecting upstream produced mineralized float containing molybdenite, pyrite, chalcopyrite, magnetite and sphalerite. A moderately strong gossan on the ridge at the source of the creek was prospected and numerous quartz veins, some containing ferrimolybdite, were seen. Breccia samples were also collected from what was believed to be a pipe.

The area was staked in August and the property was visited in September 1981 during which time preliminary mapping and rock chip sampling was carried out. This report describes the programme of sampling, the results and makes recommendations for further work.

LOCATION AND ACCESS

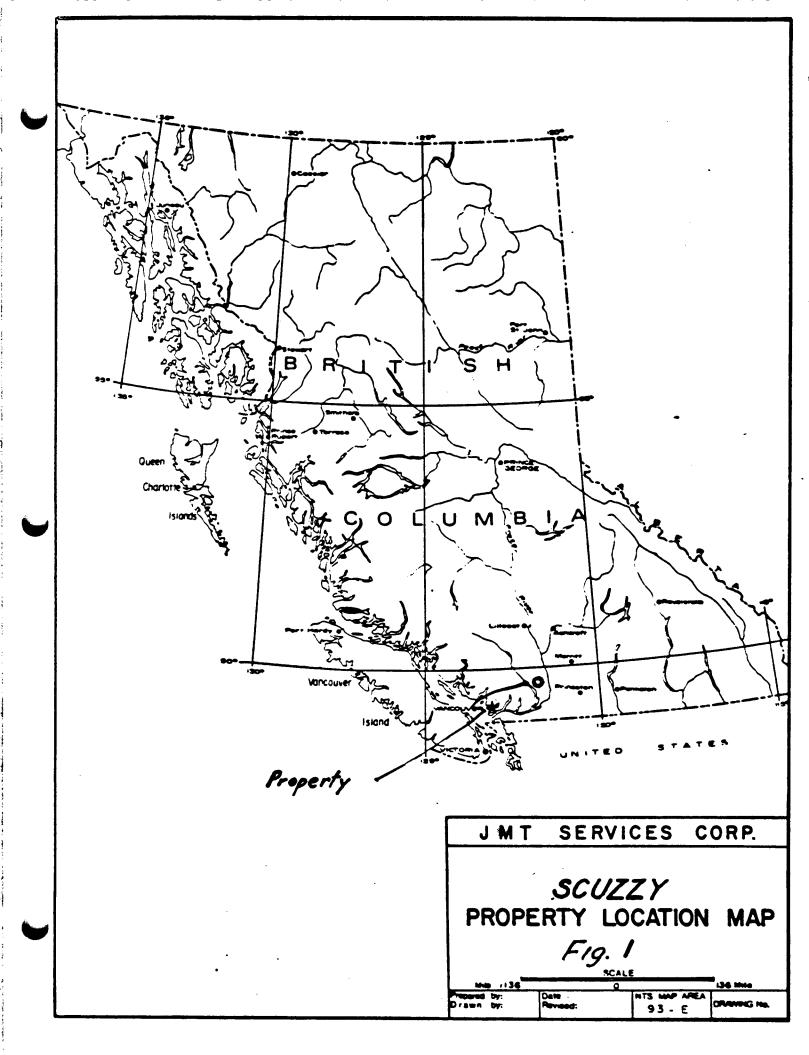
The Scuzzy property is contred on an east-west trending ridge about 5 km east of the north-south valley occupied by Big Silver Creek, which drains into Harrison Lake. Helicopter service from Pemberton and Agassiz provides convenient access to the property on which landing sites are numerous.

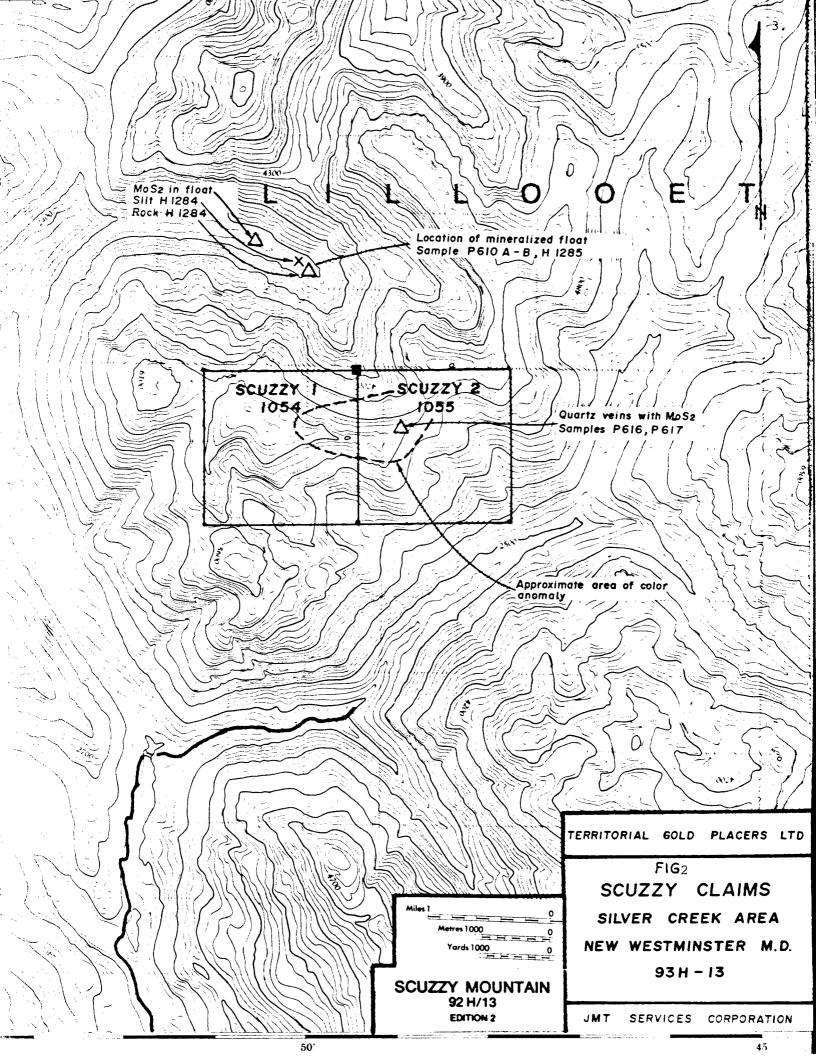
Elevations on the property range from 3000' to 6300' with the core area from 4700' to 6200' asl. Much of the property is above timberline and access to all parts is generally good. Some areas within the central area are very steep and inaccessible.

To the south, a large unnamed tributary to Big Silver Creek has had recent logging activity by B. C. Forest Products Ltd. and a good road passes within 3 km of the property.

MINERAL CLAIMS

Two claims Scuzzy #1 and #2, comprising 32 units cover theproperty. They have a common LCP.CLAIM NAMERECORD NUMBERSCUZZY #11054 (9)#21055 (9)September 23, 1983





GEOLOGY

L The property lies within Scuzzy Pluton, a granodiorite body mapped in the area by GSC geologists and outlined on GSC maps O.F. 482 and Map 12-1969.

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Two granodiorite varieties were noted on the property. To the west a coarse grained, foliated and generally unaltered body is well exposed (Unit 1). The contact between this rock type and the finer grained variety, assumed to be younger, is gradational over many tens of metres. This unit (Unit 2) is massive and generally unaltered. No cross-cutting relationships between these two units were noted. Over the great bulk of the property the only pervasive alteration in these rocks is weak chloritization. Weakly to moderatley developed albite is common along fracture walls.

In the central area of the property a breccia complex has been outlined. Within the complex an intensely brecciated zone with locally abundant feldspar porphyry matrix has been sampled. Some of the breccia fragments of granodiorite and aplite are well rounded. In the complex, secondary biotite is developed and locally, intense sericite alteration is present as small pods of pervasively altered granodiorite and along fractures in small zones.

A tentative anhydrite line is included on Figure 3

Aplitic and rhyolitic bodies penetrate the breccia complex and the host and late aplite dykes are common.

Quartz veins are locally strong and cross-cutting and are strongest within the breccia complex and immediate margin.

Late, uncommon grey quartz-eye feldspar porphyry dykes and plugs are shown on the accompanying map as small widely separated bodies.

MINERALIZATION

MoS₂ is the most commonly observed suphide on the property. Lesser amounts of pyrite (less than 1%), mostly on fractures, give rise to the colour anomaly in the west central part of the property. Still lesser amounts of chalcopyrite and pyrrholite were associated with pyrite and molybdenite on fractures. MoS, occurs as weak local diseminations along tight fractures as coatings, as fine stringers and disseminations

within ribbon quartz veins, and as coarse rosettes in larger quartz veins.

ROCK GEQCHEMISTRY

157 Rock chips were collected over the property at a density of about 1 per 1.3 ha. Chips from about 4 cm ³ to 15 cm³ were placed in a numbered kraft paper bag and shipped to Chemex Labs Ltd., North Vancouver, B.C. The samples, which weighed between 300g and 500g, were crushed and a pulp sample prepared for geochemical analysis. A portion of the prepared pulp was weighed and put in a solution of nitric and perchloric acidds. The metals in the solution were determined by atomic absorption spectrophotometry.

Results and Discussions

The 5 ppm Mo contour in rock closely corresponds to the outer limit of quartz veins but is open to the northwest. The 20 ppm contours define an arcuate zone about an anomalously low area which includes samples H1018,1019,1020 (see Fig. 4). The greater than 20 ppm zone measures about 1500m by 500m and is generally within the breccia complex with a large lobe on its southwest margin.

Values greater than 10 ppm Mo were considered anomalous and values range from 1 ppm to greater than 250 ppm. Some of the samples analysed were well-mineralized with MoS₂.

The results for W, when contoured, outlined anomalous zones which lie outward from the Mo anomalous zone and are roughly centred onthe northwest boundary of the breccia complex. The contoured results are shown on Figure 4. Values for W range from 1 ppm to 750 ppm in rock. Many values were returned at 1 ppm and 5 ppm is considered anomalous.

Analysis for Cu and Zn were also contoured on Figure 5. Values in Cu range from 1 ppm to 3300 (a CPY mineralized sample) and 20 ppm is considered anomalous. The anomalous copper zone is a contigious east-west trending zone with a north-trending lobe on the west side of the precisia complex. On the east of the breccia complex the copper atom systs outward from the central low with respect to Mo, whereas on the solution is the copy of and molybdenum anomalies are coincident. 5.

Zinc values display a strongly arcuate anomaly. The 50 ppm contour defines a low central zone about 1500 m in diameter which is centred on the north central border of the breccia complex. Only a few samples outward from the 50 ppm line were returned at less than 50 ppm. Values ranged from 1 ppm to 3200 ppm and 50 ppm is considered anomalous.

The geochemical patterns described here and shown on Figures 4&5 together with the breccia-complex geology are suggestive of a Henderson-type deep Mo system that has been barely unroofed. The high W values in close association with a semi-concentric Mo anomaly is an especially positive feature.

CONCLUSIONS AND RECOMMENDATIONS

Preliminary mapping and a rock geochemistry survey strongly indicate a significant deep porphyry-Mo target. The strong Mo and W anomalies in close proximity to the outlined breccia complex indicate a drill target in the zone of the Mo anomaly within the breccia complex. Two suggested sites are indicated on Figure 3 and of these the western site is considered a higher priority. Vertical holes to at least 300 metres as well as angle holes of similar length to the north and south will constitute a fair preliminary test.

Drilling should be begun in August, or earlier if snow conditions permit, and the camp and drill set-ups should be constructed so as to support a continuing programme should results prove favourable. Holes to 1000 m should be considered as possibly needed.

A preliminary budget of \$165,000 for three 300 metre holes at H reduced to N size core would be required for the next phase. 6.

STATEMENT OF COSTS

PERSONNEL

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C. Harivel geologist	Aug 7(‡),18(‡),19-27 Sept. 21,22	9-3/4 2	days days		\$200 \$200	\$1,9 50.00 400 .00
A. Muir assistant	Aug 18(1),19-24	6-1/2	days	6	\$110	715.00
	- 10 mandays @ \$22.50 - 4 days @ \$50/day					50.00 225.00 200.00
DISBURSEMENTS						
Highland Helicopters	\$ #20853 #20692					362.80 362.52
Chemex Labs #1811355 #1811355	21.93 2,039.25 72.60					
Miscl Expenses - C E Report preparation	Marivel .					65.00 240.00
	TOTAL TO SEPTEMBER 22, 19	81				\$6,704.10

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STATEMENT OF QUALIFICATIONS

I, Colin Harivel, of VAncouver, British Columbia, do hereby certify that:

- I am a geologist residing at 3996 West 10th Avenue Vancouver, British Columbia
- I am a graduate of the University of British Columbia;
 B.Sc. Honours Geology, 1972
- 3. I have practised my profession as a mining exploration geologist continuously since 1972

4.

I am a Fellow of the Geological Association of Canada.

Colin Harivel, B.Sc.

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ABOCIATION

- ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

212 BROOKSBANK AVE NORTH VANCOUVER, B.C. CANADA V7J 201

 TELEPHONE
 (604)984-0221

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CERTIFICATE OF ANALYSIS

212 BROOKSBANK AVE NORTH VANCOUVER, B.C. CANADA V7J 2C1

TELEPHONE (604)984-0221 TELEX 043-52597

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212 BROOKSBANK AVE NORTH VANCOUVER B.C. CANAČA V7J 2C1 TELEPHONE .604 984-0221

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IALYTICAL	CHEMISTS
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• GEOCHEMISTS

REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : JMT SERVICES CORP: 3027 HUDSON ST: VANCOUVER: 3.C. Vob 4N1 CERT. # : AP113558-003-8 INVOICE # : IS113558 DATE : 16-SEP-81 P.C. # : NCNE SCUZZY

Sample	Prep	F					
description	code	DDT					
31 H 1003	205	550			••		
91 H 1005	205	90					
31 H 1006	205	670					
91 H 1007	205	930					
51 + 1008	205	190			~-		
81 H 1009	205	340					
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212 BROOKSBANK AVE NORTH VANCOUVER BIC CANADA VTU 201

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 TELEX
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CERTIFICATE OF ANALYSIS

• REGISTERED ASSAYERS

• GEOCHEMIST#

SEP 1 8 1091

TO : JAT SERVICES CORP: 8827 HUDSON ST: Vancouver. 3.C. V63 4N1

· ANALYTICAL CHEMISTS

CERT. # : A8113558-004-4 INVDICE # : I3113555 DATE : 16-SEP-31 P.C. # : NONE SCUZZY

Sample	Prep	Cu	Mo	Pb	Zn	23	¥
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81 H 10+8	205	28	1	4	40		15
31 H 1049	205	5	1	1	63		7
81 4 1050	205	3	1	1	51		1
31 H 1051	205	3	1	1	53		1
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91 H 1052	205	37	1	1	76		
31 H 1052	205	13	1		62		,
91 H 1054	225	11	1	1	53		1
31 H 1055	205	30	<u>*</u>	11	92		30
31 H 1055	205	36	1	zz ·	155		390
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<u>31 H 1074</u>	205	40	22	3	6		2
31 H 1075	205	5	1	1	50		7

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certified by

