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REPORT OF WORK ON THE  
SAN JACINTO MINERAL CLAIM GROUP  
GREENWOOD, B.C.  
1974

for

MASCOT MINES & PETROLEUMS LIMITED  
Suite 900 - 837 West Hastings Street  
Vancouver, B.C.  
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by  
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INTRODUCTION

The San Jacinto Group is a copper prospect located one mile west of Greenwood, British Columbia. Mascot Mines & Petroleum Limited completed an exploration program over parts of the San Jacinto Group from May through June, 1974. The principal objectives of the program were to test the Buckhorn showings and to search for Greyhound type mineralization on the claims bordering the Greyhound.

CLAIMS

Claims in the San Jacinto Group are:

Crown Grants

Buckhorn	L. 1107
Moreen Fr.	L. 1709
X.L.C.R.	L. 1556s
Syd M. Johnson	L. 1961
E.C.B.	L. 827

Claims Held By Location

Hound #1	22640
Hound #2	22641
Hound #3	22642
Hound #2 Fr.	22644
Jim McRae #1 Fr.	19131
Jim McRae #2 Fr.	19132
Frantic Fr.	24762

Mineral Leases

Little Ruth	L. 881s	M227
Tintic	L. 1461	M226
Red Metal	L. 1568s	M226

Mineralization occurs primarily as fracture fillings with some dissemination within a highly silicious rock phase that appears to be related to the diorite-andesite contact. One high grade pod, assaying 3% copper across 10 ft., occurs within the zone of showings.

The magnetometer survey did not appear to have contributed to outlining higher grade mineralization within or bordering the andesite. It did outline the andesite in a well defined anomaly with irregular boundaries.

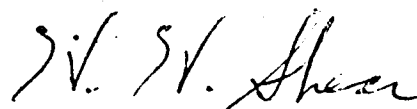
The andesite strikes N 66° W over a length of 1,100 ft. with a maximum width of 300 ft. Some interesting copper values occur in the showings along the middle of the north side of the andesite. Drilling has shown that these showings do not form a continuous zone. The mineralization surrounding the higher grade pods runs approximately 0.15% copper.

B13-1 intersected 20 ft., from 40 ft. to 60 ft., of 0.73% copper. This hole is on the eastern end of the line of six holes drilled along the Buckhorn showings. The area east and north of B13-1 remains untested over an area of approximately 300 ft. x 200 ft. Near barren diorite and andesite exposed and encountered in drill holes is known to limit the area.

#### CONCLUSIONS

The results of work completed on the San Jacinto Group has eliminated, as areas of exploration interest, the claims bordering the Greyhound, the showings on the Moreen Fraction, the showing at the west corner of the Buckhorn, and all but a small portion of the main Buckhorn showings. A small overburden and dump covered area around the main shaft remains untested. Considering the assay results from Mascot's drilling, this target is not particularly attractive.

The writer feels that the widespread, low grade copper occurring in the quartz diorite on the San Jacinto Group, and to the west may indicate that a porphyry type copper deposit lies somewhere in the area at depth. To test this theory some petrographic studies should be made to ascertain if an alteration pattern can be developed to suggest a target for deep drilling.



H.H. Shear, P.Eng.

SUMMARY LOGS OF PERCUSSION HOLES ON THE

SAN JACINTO GROUP

- B3-1 Drilled at  $-45^{\circ}$  to a depth of 120 ft. and a bearing of  $S24^{\circ}W$ . Grey-green fine-grained chloritized diorite with traces of pyrite and chalcopyrite.
- B5-1 Drilled at  $-45^{\circ}$  to a depth of 110 ft. and a bearing of  $S24^{\circ}W$ . Grey-green fine-grained chloritized diorite. Best sulphide from 50-70 feet; mostly pyrite with minor chalcopyrite.
- B7-1 Drilled at  $-45^{\circ}$  to a depth of 100 ft. and a bearing of  $S24^{\circ}W$ . 0-30 ft. barren grey-green fine-grained andesite with abundant iron oxide, 30-40 ft. grey- to blackish-green fine-grained chloritized diorite (rare specks of pyrite and chalcopyrite), 40-100 ft. grey-green fine-grained diorite with only traces of sulphides.
- B9-1 Drilled at  $-45^{\circ}$  to a depth of 150 ft. and a bearing of  $S24^{\circ}W$ . 0-140 ft. dark greyish-green fine-grained chloritized diorite. 140-150 ft. fine-grained diorite.
- B11-1 Drilled at  $-45^{\circ}$  to a depth of 100 ft. and a bearing of  $S24^{\circ}W$ . 0-10 black fine-grained diorite with some chalcopyrite and pyrite, 10-50 ft. greyish-green fine-grained diorite, 50-100 ft. dark grey-green fine- to medium-grained diorite. (Sulphides, mainly pyrite, more abundant than in previous section.)
- B13-1 Drilled at  $-45^{\circ}$  to a depth of 111 ft. where it broke into old workings. Bearing  $S24^{\circ}W$ . Black to greyish-green fine-grained chloritized diorite throughout. 40-60 ft. represents the best sulphides with an assay of 0.74% copper.

- G1 Drilled on the Moreen Fr. with a bearing of  $275^{\circ}$  and dip of  $-45^{\circ}$  for a depth of 200 ft. The hole consisted of fine-grained light green chloritized diorite. 0-20 ft. weathered zone with minor iron oxide and traces of secondary copper carbonate and the odd speck of sulphides. 20-50 ft. best run of sulphides.
- G2 Drilled on the Arlington Fr. with a bearing of  $S 55^{\circ} W$  and dip of  $-45^{\circ}$  to a depth of 110 ft. where the hole was abandoned because of loss of circulation. The hole consisted of light grey medium-grained siliceous quartz-diorite with minor chlorite and traces of pyrite and chalcopyrite.
- G26 Drilled on the Syd M. Johnson on government road below Greyhound tailings dam. Drilled vertically. 0 - 20 ft. overburden, 20 - 80 ft. quartz-diorite.
- G27 Drilled on the Syd M. Johnson near the northwestern boundary. Drilled vertically to 90 ft. 0 - 65 ft. overburden, 65 - 90 ft. pyritized and chloritized quartz-diorite. Abandoned due to caving.

ASSAYS IN % COPPER

FOOTAGE	HOLE				NUMBERS			
	<u>B3-1</u>	<u>B5-1</u>	<u>B7-1</u>	<u>B9-1</u>	<u>B11-1</u>	<u>B13-1</u>	<u>G1</u>	<u>G2</u>
0-10		0.12			0.14	0.10	0.12	
10-20		0.11		0.09	0.32	0.24	0.14	
20-30	0.08	0.13	0.08	0.30	0.36	0.25	0.17	
30-40	0.04	0.12	0.10	0.17	0.23	0.22	0.11	
40-50	0.12	0.20	0.18	0.11	0.18	0.97	0.09	0.09
50-60	0.14	0.31	0.18	0.19	0.18	0.50	0.07	0.11
60-70	0.18	0.24	0.16	0.20	0.14	0.30	0.06	0.11
70-80	0.20	0.15	0.15	0.23	0.12	0.17	0.07	0.14
80-90	0.20	0.08	0.10	0.18	0.12	0.17	0.06	0.10
90-100	0.20	0.15	0.11	0.16	0.14	0.14	0.05	0.08
100-110	0.21	0.30		0.17		0.16	0.05	
110-120	0.19			0.15	.19	0.19	0.07	.10
120-130		Aug. 11	.10	0.14			0.05	
130-140	Aug. 15			0.14		.21	0.04	
140-150				0.07			0.05	
150-160				.11			0.05	
160-170							0.05	
170-180							0.06	
180-190							0.05	
190-200							0.05	

*Assays made by ...*

