NO.189(1990) SEPTEMBER 29, 1990 A SPECIAL REPORT

George Cross Reliable /

WESTERN CANADIA

Strong copper and gold prices plus the Mt. Milligan discoveries in northern B.C. have prompted a renewed interest in and search for porphyry copper and gold properties in B.C. The producing Island Copper Mine and several nearby undeveloped deposits have focussed the attention of explorationists on northern Vancouver Island. Because most porphyry copper gold deposits in the world occur in belts containing a series of ore bodies, the Northern Island is a prime target. Two significant deposits, the Hushamu and the Red Dog are now being re-explored to assess their economic viability. (SEE ATTACHED MAP)

In recent months major mining companies have been discussing property options and acquisitions in the northern Vancouver Island area.

<u>The Island Copper Mine</u>, owned by BHP-Utah Mines Ltd. and <u>located 20 miles southwest of Port Hardy. on</u> <u>tidewater at Rupert Inlet</u>, began operations in 1971. The concentrator has a consistent throughput of 55,000 tons per day and has achieved peak day throughput of 70,000 tons per day. In an average year Island Copper produces about 275,000 tonnes of copper concentrate, 4,600 tonnes of molybdenum concentrate and some 40,000 to 60,000 ounces of gold. The Island Copper mine since 1971 has produced to date, 267,000,000 tonnes of ore with an average grade between 0.4% and 0.45% copper. The remaining reserves of 130,000,000 tonnes grading about 0.35% copper are sufficient for operations until 1996 or 1997.

A concrete slurry wall was recently constructed at a cost of \$15,500,000 to retain tidal water from Rupert Inlet and out of the new open pit, which, when completed, will be 1,500 feet below the original ground surface and 1,200 feet below sea level. The total cost to develop the additional 80,000,000 tons below and behind the wall ; is \$55,000,000.

BHP-Utah's large reconnaissance and exploration ' programs began in the early 1960's and were responsible for discovery of the Red Dog Hill, Hushamu and other deposits in the area. Due to weak metal prices in the mid-1980's BHP-Utah concentrated its efforts on the Island Copper mine and returned the Red Dog property to its original owners and optioned the Expo property containing the Hushamu deposit to Moraga Resources.

At the time of this earlier exploration road access was very limited with transportation primarily by helicopter. Logging over the past 20 years has greatly opened the area and exposed much rock providing an excellent geologic picture of the belt, not previously available.

<u>The Red Dog Hill deposit is 39 km and the Hushamu</u> deposit is 26 km from Island Copper, and about 30 km <u>southwest of Port Hardy</u>, which has regular air service from Vancouver and road access from Campbell River along the paved Island Highway. Much of the area from Port Hardy to Holberg Inlet is accessible by logging roads. Island Copper Mine loads concentrates directly onto deep sea ships which enter Rupert and Holberg inlets through Quatsino Sound. High voltage electricty lines are available in the vicinity.

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## MORAGA RESOURCES LTD.

In April 1987, Moraga Resources Ltd. acquired an option to earn an undivided 45% interest in the 30,000-acre Expo property, containing the Hushamu deposit, by spending 2,700,000 on exploration over seven years and making a cash payment of US\$260,000.

BHP-Utah spent approximately \$5,000,000 on the Expo property before it was optioned to Moraga. BHP-Utah located a drill proven and probable reserve in the <u>Hushamu zone</u> of 57,500,000 tons grading 0.32% copper and 0.012 oz.gold/ton, and geological reserves of 159 million tonnes of which 144 million tonnes are within a possible pit outline.

This year Moraga has drilled several holes and encountered copper/gold mineralization between the Hushamu zone and McIntosh Mountain, where BHP-Utah had earlier drilled three successfull holes. As a result, the length of the Hushamu zone has been extended to 1,650 meters, the width to 500 meters and the depth to 200 meters containing a mineral inventory of 300,000,000 tons. An in-fill drilling program of eight holes was started in July 1990. Drill results of the 1990 program to date are in the table below.

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	ILL RESULTS TO			PROPERTY	
HOLE	INTERVAL	LENGTH	COPPER	GOLD	
No.	METERS	METERS	7.	0Z/T	
EC-171	6.7 - 254.0	247.3	0.36	0.015	
EC-172	247.5 - 253.5	6.0	.14	.004	
and	262.5 - 274.5	12.0	.20	.007	
EC-173	101.0 - 134.0	33.0	.08	.014	
and	326.0 - 456.3	130.3	.22	.010	
incl.	326.0 - 338.0	12.0	.50	.014	
	338.0 - 365.0				
	365.0 - 456.3	91.0	.24	.010	
	(Lost in a fau				
EC-175	126.0 - 162.0	36.0	.22	.008	
incl.		9.0		.005	
	15.2 - 234.0			.010	
	45.0 - 204.0				
	78.0 - 189.0			.014	
	6.1 - 231.0			.004	
	24.0 - 177.0			.006	
incl.	48.0 - 168.0	66.0	.43	.007	
	65.0 - 77.0			.004	
and	89.0 - 113.0	24.0	.16	.006	
and	126.0 - 155.0	29.0	.28	.008	
and	221.0 - 242.0	21.0 <sup>°</sup>	.15	.008	
EC-179*	246.0 - 496.0	250.0	.33	.013	
incl.	378.0 - 496.0	118.0	.34	.016	
incl.	378.0 - 414.0	36.0	.36	.020	
*bottomed in mineralization, with last 4 meters					
recording 0.55% copper, 0.029 oz.gold/t.					

Additonal reserves may also be added on the northwest extension where soil sampling in new road cuts has indicated underlying copper/gold mineralization.

The president of Moraga is Mr. Maurice Young, P.Eng. He was formerly exploration manager, North America, for Utah International. He worked on or managed the programs that discovered the Island Copper Mine deposits and both the Hushamu and Red Dog deposits. -CONTINUED ON PAGE TWO- NO.189(1990) SEPTEMBER 29, 1990 A SPECIAL REPORT Geverge Cours Reliable &

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Transtel Communications Corp.(TCU-Y) holds the No.5, Georgie Lake group of 1,400 acres, where moss mat sampling returned one sample grading 180 parts per billion gold and two samples carrying anomalous amounts of cobalt and manganese along or near a major northwest structural feature. Prospecting for gold mineralization is underway.

Western Magnatite, a private company, holds five properties in the region where prospecting programs are planned. The No.6A, Shuttleworth group of 3,540 acres, held 50% by Westward Explorations Ltd., covers three copper occurences located by prospecting in 1990. The copper is in volcanics adjacent to porphyries that carried silver and zinc in previous soil samples. There is a strong N.W. - S.E. trending magnetometer anomaly on the property. The prospecting program is seeking merohypericative imferelization. Universal Trident and Western Magnatite hold the No.7A, Shannon group of 2,400 acres adjoining the Expo property, about 20 km west of the open pit. This is a largely unexplored property just south of the property of Hisway Resources and Silver Drake Resources where several skarn zones carry lead, zinc and gold. A program of silt and soil sediment sampling and prospecting is planned to seek replacement-style gold strataform mineralization. Western Magnatite also holds the No.7B, Stran group of 8,100 acres adjoining the Expo and Placer Dome properties. The geolegy of the property is Bonanza volcanics associated with sedimentary formations and

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limestones. There is also strong magnetic relief indicating intrusive formations. Exploration is seeking areas of copper/gold mineralization.

Placer Dome Inc. has acquired by staking approximately 10 square miles near Cape Scott on which considerable exploration for porphyry copper deposits was carried out by Quintana in the 1960's.

Hisway Resources Corporation (HIS-V) now controls about 25 km, 10,000 acres, along the Nahwitti mineral belt, from the west end of Nahwitti Lake, east and south to Quatse Lake. Some of the claims are under option to Silver Drake Resources Ltd. (SRD-V). The claims cover extensive base-precious metal skarn occurrences. Hisway Resources has received a substantial offer from BHP-Utah Mines Ltd. for exploration and possible development and mining of Hisway's Quatse Lake property which is comprised of the Chris 1-7, Pam, Tom, Pick 7,9,10 and 11 claims and the Cascade, Caledonia and Bluebell Crown grants, representing about 1/3 of the company's property interests in the area. The terms of the proposed agreement are under review by Hisway Resources.

Electra North West Resources Ltd. (ETA-V) and Topper Gold Corp. (TPC-V) also hold claims in the area.

Silver Spur Resources Inc.(SLC-V) has acquired a 50% interest in the Marisa 1 & 2 claims, subject to a 2% net smelter return royalty. The company has paid \$2,850 and will conduct a preliminary examination of the property before entering into a formal joint venture. These adjoin the Quatse Lake property of Hisway Resources.

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A COMPARISION BETWEEN THE MT. MILLIGAN DEPOSIT OF CONTINENTAL GOLD CORPORATION

AND

THE HUSHAMU DEPOSIT OF MORAGA RESOURCES LTD.

THE MT. MILLIGAN DEPOSIT IS ONE OF THE MOST SUCCESSFUL COPPER/GOLD DISCOVERIES IN B.C. IN RECENT YEARS WITH PLACER DOME INC. OFFERING APPROXIMATELY \$261,400,000 TO BUY A 100% INTEREST. PLACER DOME WILL PAY CONTINENTAL GOLD \$182,546,960 FOR 69.84% INTEREST, THAT IS \$20.00 PER SHARE FOR THE 9,127,348 FULLY DILUTED SHARES ISSUED, AND \$78,800,000 TO B.P. CANADA INC. FOR THE REMAINING 30,16% INTEREST.

B.P. CANADA INC. FOR T	THE REMAINING 30.16%	INTEREST.			
	CONTINENTAL GOLD	MORAGA RESOURCES			
	_MT,MİLLIGAN	HUSHAMU			
RESERVES TONS	440,000,000	plus 300,000,000			
COPPER X	0.20%	0.32%			
OZ. GOLD PER TON	.014	.012			
STRIPPING RATIO	1.2:1	* 1.5/ 2.0:1			
*estimated					
BLANKET LIKE DEPOSIT	800 ft. thick	800 ft. thick			
HOLES DRILLED TO DATE	760	84			
TOTAL FEET OF DRILLIN	G 400,000 feet	50,000 feet			
OWNERSHIP	• • • • • • • • •				
CONTINENTAL GOLD	69.84%				
B.P. MINERALS	30.16%				
MORAGA RESOURCES		EARNING 45%			
BHP UTAH		55%			
SUGGESTED CAPTIAL COST TO PRODUCTION					
AT 55,000 TONS/DAY	\$50,000,000				
TIME TO PRODUCTION	36 months	6 months			
SHARES ISSUED					
FULLY DILUTED	9,100,000	14,000,000			
EXPLORATION EXPENDITUR	\$5,000,000				
RECOVERABLE METAL VALUES					
PER TON AT					
U.S.\$1.00/1b.copper	\$4.00	\$6.40			
U.S. \$400 / oz.gold		4.80			
TOTAL	\$9.60	\$11.00			
SHARES ISSUED	9,127,348	8,799,015			
FULLY DILUTED		13,299,015			
		on tidewater			
150 km n		adjoining a			
rrince G	eorge central B.C.				
		operating copper			

mine and concentrator.



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