

NAME OF PROPERTY SURF POINT (TRIXIE) (PATTERSON)

OBJECT LOGATED - No. 1 adit, Trixie claim (Lot 6515).

UNCERTAINTY IN METRES 300. Lat. 54°01'25" Long. 130°35'10"

Mining Division	Skeena	District	Range 5 Coast
County		Township or Parish	
Lot		Concession or Range	
Sec	Tp.		R.

OWNER OR OPERATOR

DESCRIPTION OF DEPOSIT

Quartz veins containing auriferous pyrite occur in quartz diorite of the Coast Plutonic Complex about 1,000 feet east of the contact with Triassic-Jurassic metavolcanics. Andesite and basalt dykes cut the ore-bearing structures and the quartz diorite. The veins trend easterly with dips ranging from 60°N to vertical. The widest individual vein encountered is about 3 feet but the average is less than 1 foot. The greatest length of any vein yet found is 400 feet. The vertical extent of the individual veins is greater than the length. Ore shoots are erratic.

Associated minerals or products - Silver, copper.

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located at the 400 foot elevation at the north end of Porcher Island, opposite Edge Passage. The Edge Pass property (103 J/2, AU 2) adjoins to the north. The Eagle (AU 3) and IXL (AU 4) adjoin to the northwest and southwest respectively.

The Patterson-Gillett group, comprising 19 claims including the Western Hope, was optioned early in 1917 to Belmont Surf Inlet Mines, Limited. Extensive prospecting, and development work in open cuts and two short adits was carried out before the option was abandoned later that same year.

The Patterson group, comprising the Trixie, Jeanie, and Western Hope claims, was owned in 1919 by Frank Patterson, of Prince Rupert. Development work to date had been done in open cuts and several adits and 10 tons of ore were shipped to the Anyox smelter. During 1920 the property was under lease to Percy Sharpe, who installed an arrestra in an attempt to grind the ore. During the following years Patterson mined & shipped small amounts of hand sorted ore. The Trixie and Western Hope claims (Lots 6515 and 6516 respectively) were Crown-granted to Patterson in 1927. The Old Kentucky (Lot 6514), located at the shore directly west of the workings, was Crown-granted at the same time.

Patterson sold the Crown-grants in 1927 to J.B. Woodworth of Vancouver. In 1929 The N.A. Timmins Corporation, of Montreal, acquired a 75% interest in the property; Woodworth retained a 25% interest. During that year the No. 1 adit was extended to a length of 715 feet, and connected by a 20 foot raise to No. 3 adit, which was extended to a length of about 400 feet. A narrow guage railway 1 1/4 miles in length was built to connect the No. 1 adit with a dock at the beach. Development and mining operations continued until April 1931 when operations were suspended.

Development work resumed in the latter part of 1932. A 25 ton-per-day flotation mill was installed at about the 350 foot elevation on the Trixie claim, just below No. 1 adit. Milling began in July 1933 and continued during the following years.

Reward Mining Company, Limited, owner of the adjacent Edge Pass property, in February 1937 bought the 75% interest held by the Timmins company. Mining and milling operations see Card 2

HISTORY OF PRODUCTION

From 1919 to 1939, 67,724 tons of ore were shipped or milled at this property. From this ore 20,333 ounces of gold, 7,188 ounces of silver, and 9,174 pounds of copper were recovered. Ore milled in 1939 was from the Edye Pass property.

MAP REFERENCES

- Map 1385 A, Skeena River, (Geol.), Sc. 1:1,000,000, Geol. Surv. of Canada, 1979.
- Map 12-1966, Prince Rupert-Skeena, (Geol.), Sc. 1":4 miles - accomp. Paper 66-33, Geol. Surv. of Canada.
- Geological Maps, Surf Point & Edye Pass Mines, Sc. 1":650 ft. and 1":2,500 ft., Figs 1 and 2 - accomp. Rept. by Smith (1948), pp. 95, 96.
- Porcher Island (claim map), Sc. 1":600 ft., Report of Minister of Mines, B.C., 1930, p. 71.
- #Surf Point Mine (Workings), Sc. 1":225 ft., Report of Minister of Mines, B.C., 1934, p. B 7.
- *Map 103 J/2 E, Stephens Island, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By	DMacR	DMacR					
Date	12-79	08-86					

REFERENCES

- Reports of Minister of Mines, British Columbia:
 1917, p. 44; 1919, p. 42; 1920, p. 39;
 1922, p. 46; 1924, p. 46; 1925, p. 67;
 1926, pp. 64, 72; 1927, pp. 61, 480;
 1928, pp. 70, 422; 1929, pp. 75, 430; 1930,
 p. 70; 1931, p. 36; 1932, p. 49; 1933,
 p. 41; 1934, p. B 6; 1935, p. B 2; 1936,
 p. B 56; 1937, p. B 42; 1938, pp. B 4, B 26;
 1939, p. 68.
- Dolmage, V.; Coast & Islands of British Columbia between Douglas Channel and Alaskan Boundary; Summary Report 1922, Pt. A., pp. 27-29, Geol. Surv. of Canada.
- Mines Branch, Ottawa; Investigations in Ore Dressing and Metallurgy; 1932, Rept. 736, pp. 165-170 (No. 456).
- Smith, Alexander; Surf Point and Edye Pass Mines; Structural Geology of Canadian Ore Deposits, The Canadian Institute of Mining & Metallurgy, Jubilee Volume 1948, pp. 94-99; also in Western Miner, August 1946, pp. 40-42.
- Geological Society of America, Bulletin, Vol. 58, pp. 245-262, 1947.
- Mineral Policy Sector; Corporation Files: "Reward Mining Company, Limited"; "Porcher Island Gold Mines Ltd."; "E & B Explorations Ltd."; "Imperial Metals Corporation".
- Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1974, p. 325; 1975, p. E 176; 1977, p. E 208.
- Exploration in British Columbia; BCDM: 1978, p. 236; 1979, p. 256; 1980, p. 401.
- George Cross News Letter: 1986, No. 155.

PRODUCT

GOLD

PROVINCE OR
TERRITORY

British Columbia

N.T.S. AREA 103 J/2

REF. AU 1

NAME OF PROPERTY

SURF POINT (TRIXIE) (PATTERSON)

HISTORY OF EXPLORATION AND DEVELOPMENT (continued)

continued until the mill was destroyed by fire in June 1938. Development work during the early part of 1938 included sinking to establish a level 100 feet below No. 1 level.

During the latter part of 1938 a new 50 ton-per-day mill was installed at the beach on the adjacent Edye Pass property. Reward Mining transferred that property to a subsidiary company, Porcher Island Mines, Limited, which was incorporated in August 1938. The mill was put into operation on January 6, 1939 on a restricted basis, milling ore from the Edye Pass property. During 1939 the Edye Pass crosscut was extended southerly with the objective of intersecting the downward continuation of the Surf Point veins. The company (Porcher Island) went into bankruptcy in October 1939 and all work ceased.

Porcher Island Gold Mines Ltd. in 1974 acquired the Surf Point and Edye Pass properties comprising 6 Crown grants, the Trixie, Western Hope, Jeanie, Nabob, Pirate, and Reward. Limited geological mapping and sampling was carried out. Tombill Mines Limited optioned the property in 1975 and carried out 736 metres of diamond drilling in 8 holes at or near the south end of the Edye Pass crosscut to test for the downward extension of the Surf Point veins. During 1977 the properties were under option to Carolin Mines Ltd. Work included a geochemical soil survey (60 samples), and a self potential survey covering the Trixie, Western Hope, Jeanie, and Nabob claims. Diamond drilling (624 m) was carried out in 1978. The properties were reportedly owned in 1979 by Porcher Island Gold Mines Ltd and Banwan Gold Mines Ltd. An option on a 32.5% interest was acquired in 1979 by E & B Explorations Ltd; this company was subsequently acquired by Imperial Metals Corporation. Work in 1979-80 included geological mapping, surface drilling in 3 holes (290 m) and underground in 50 holes (3 472 m). Indicated and inferred reserves were reported at 249,300 tons grading 0.25 oz/t Au (Imperial Metals Corporation, Listing Statement, July 1985).