

NAME OF PROPERTY

CORONADO

OBJECT LOCATED -Coronado claim (Lot 1155).

UNCERTAINTY IN METRES 100. Lat. 54°46'47" Long. 127°21'55"

Mining Division Omineca District Range 5 Coast.

County Township or Parish

Lot Concession or Range

Sec. Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

There are two parallel zones on the property, 950 feet apart, that strike north 45 degrees east and dip from 75 to 85 degrees southeast. The zones are in rhyolite and andesite flows and andesitic flow breccias. They are fault or sheared zones, along which the wall-rock is bleached and silicified. Galena, sphalerite, tetrahedrite, and arsenopyrite, with a little chalcopyrite, occur as fissure fillings replacing the altered rock, and are accompanied by a little quartz gangue. Arsenopyrite is the dominant sulphide in the wall-rock, and assays shows that it is accompanied by some gold.

In the lower adit of the westerly zone a single fissure, sparsely mineralized, is followed for 20 feet to where it splits. The two branches lie 2 to 3 feet apart and continue along the walls of the adit. Between the two fissures, altered silicified rhyolite is cross fractured and traversed by small stringers of sulphides. A lens 8 inches wide, containing over 60 per cent sulphides, occupies the west branch between 20 and 30 feet from the portal. Another sulphide lens, 12 inches wide, see Card 2

Associated minerals or products of value - Silver, gold, zinc.

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located at elevations of 3,400 to 3,650 feet on the west side of Sloan Creek, on the southwest side of Hudson Bay Mountain, 7½ miles west of Smithers.

The Coronado group is one of the earliest mineral locations staked on Hudson Bay Mountain. In 1905, the owners, R.J. McDonnell, P.R. Fleming, and J.E. Halley, shipped 4½ tons of hand-sorted galena ore by pack-horse to Hazelton. Five claims, the Pay Roll (Lot 2547 R 5), Silver Star (Lot 2546 R 5), and the Coronado, Home Run, and Coronado Fraction (Lots 1155 R 5-1157 R 5, respectively) were Crown-granted in 1912. Intermittent development work was carried out by the owners; much of this work was done during 1912-14.

In February 1919 the Skeena Mining and Milling Company, Limited, was incorporated to develop the Coronado and adjacent Victory properties. Small scale intermittent work was carried out during the year. A 50-ton concentrator was purchased and moved part way to the property. Nothing further was reported and the company charter was surrendered in 1923.

The claims were apparently held under lease by C. Good-acre in 1938; prospecting and sampling were reported. During 1939-40 the property was held under lease from the R.J. McDonnell Estate by H. Orm and F. Griffin. Limited development work was done in open cuts and short adits. Some 46 tons of selected ore was shipped at that time. The workings to that date included 3 adits, totalling over 450 feet, on the westerly zone, and a 62 foot adit on the easterly zone.

Sil-Van Consolidated Mining and Milling Company, Ltd., incorporated in September 1950, acquired 51 claims including the Coronado group. In 1957 Silver Standard Mines Limited acquired a controlling interest in Sil-Van Consolidated and the latter name was changed to Sil-Van Mines Limited. In 1963 an electromagnetic survey was carried out in an attempt to find an extension of the Coronado vein.

120719

HISTORY OF PRODUCTION

From 1905 to 1940, 140 tons of ore were shipped from this property. From this ore 41 ounces of gold, 7,798 ounces of silver, 100,289 pounds of lead, and 15,755 pounds of zinc were recovered.

MAP REFERENCES

Map 69-1, Smithers, Hazelton, and Terrace Areas, (Geological compilation), Sc. 1":4 miles, British Columbia Dept. of Mines.
Preliminary Map 44-23, Smithers, (Geol.), Sc. 1":2 miles, Paper 44-23, Geol. Surv. of Canada.
Claim Map, Sc. 1":1,500 ft., Report of Minister of Mines, British Columbia, 1927, p. 136.
Hudson Bay Mountain, (Geol. & Mineral Properties), Sc. 1":1 mile, Fig. 1, Paper 36-20.
Map 5319 G, Smithers, (Aeromag.), Sc. 1":1 mile.
#Map 93 L/14 W, Smithers, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By	DMacR						
Date	1-76						

REFERENCES

- Kindle, E.D.; Mineral Resources, Hazelton and Smithers Areas, Cassiar and Coast Districts, British Columbia; Memoir 223 (Revised edition), p. 92, Geol. Surv. of Canada, 1954.
- Galloway, J.D.; Coronado Group; Report of Minister of Mines, British Columbia, 1914, pp. 213-215.
- Jones, R.H.B.; Geology and Ore Deposits of Hudson Bay Mountain, Coast District, B.C.; Summary Report 1925, Pt. A., p. 132, Geol. Surv. of Canada.
- Hurst, M.E.; Arsenic-Bearing Deposits in Canada; Economic Geology Series No. 4, p. 42, Geol. Surv. of Canada, 1927.
- Reports of Minister of Mines, British Columbia: 1905, p. 133; 1908, p. 171; 1909, p. 84; 1911, p. 118; 1912, pp. 114, 325; 1913, p. 107; 1914, p. 173; 1915, p. 77; 1919, p. 102; 1933, p. 97; 1938, pp. B37, C49; 1939, p. 92; 1940, p. 76; 1950, p. 100; 1963, p. 25.
- Kerr, F.A.; Mineral Resources Along the Canadian National Railway, Between Prince Rupert and Prince George, British Columbia; Paper 36-20, p. 90, Geol. Surv. of Canada.
- Leach, W.W.; Bulkley Valley and Vicinity; Summary Report 1908, p. 44, Geol. Surv. of Canada.

PRODUCT

LEAD

PROVINCE OR
TERRITORY

British Columbia

N.T.S. AREA 93 L/14

Card 2
REF. PB 1

NAME OF PROPERTY

CORONADO

DESCRIPTION OF DEPOSIT (continued)

110 feet from the portal carries about 50 per cent sulphides. From there to the face of the adit, the two fissures lie from 3 to 6 feet apart and carry sulphide lenses up to 6 inches in width. At the face, 36 inches of sheared, silicified rock is replaced by about 3 per cent of arsenopyrite. A 36-inch channel sample taken across the face assayed: gold, 0.035 ounce a ton; silver, 0.63 ounce a ton.

On the easterly zone the adit, at elevation 3,400 feet, follows two or more roughly parallel fissures 4 to 5 feet apart, for a distance of 62 feet. These are largely barren for 40 feet from the face of the adit, but near the portal carry narrow sulphide seams ranging from 2 to 6 inches in width. In a large open-cut 350 feet up the hill from the adit there is a 12-inch zone of brecciated, sheared rhyolite carrying galena, sphalerite, and a little tetrahedrite. The zone strikes north 35 degrees east and dips 75 degrees southeast. Along its northwest side, in a distance of 12 or 15 feet, it is joined by several branch fissures. They lie several feet apart, strike south 65 degrees west, and dip steeply southeast. They do not extend over 20 or 30 feet from the main fissure but near the latter carry 1 inch to 2 inches of almost solid sulphides, chiefly galena, sphalerite, and some tetrahedrite.