

PRODUCT SILVER
PRODUIT

PROVINCE OR PROVINCE OU
TERRITORY TERRITOIRE

British Columbia

N.T.S. AREA 93 M/6
RÉGION DU S.N.R.C.

REF. AG 1
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

SUNRISE

OBJECT LOCATED - Sunrise - Noonday claims boundary.
OBJET LOCALISÉ

UNCERTAINTY 300 m
FACTEUR D'INCERTITUDE

Lat. 55°20'35"
Lat.

Long. 127°28'10"
Long.

Mining Division Omineca
Division minière

District
District

Cassiar

County
Comté

Township or Parish
Canton ou paroisse

Lot
Lot

Concession or Range
Concession ou rang

Sec
Sect.

Tp.
Ct.

R.
R.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

Upper Jurassic Hazelton group sedimentary rocks (Upper Bowser assemblage) are intruded by an Upper Cretaceous granodiorite stock (Bulkley intrusions) measuring 4 miles long by ½ mile wide. Quartz veins occur in the granodiorite in a disturbed zone that measures 700 feet in width and 1,000 feet in length from northwest to southeast across the Sunrise property and extends an additional 1,500 feet southeast across the adjoining Lead King property. Its northeast boundary is about 500 feet southwest of the sedimentary contact. Two sets of veins occur; one set strikes northeast and dips from 30 to 50° southeast; the other set strikes east and dips from 10 to 40° south. The veins range from 100 to 500 feet in length and from 3 inches to 4 feet in width. The veins are locally mineralized over narrow widths with sphalerite, galena, pyrite, arsenopyrite, argentite, jamesonite, and tetrahedrite.

Associated minerals or products - Lead, zinc, antimony, cadmium.
Minéraux ou produits associés

HISTORY OF EXPLORATION AND DEVELOPMENT
HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

The Sunrise property lies at the 5,000 foot elevation on the north slope of Nine Mile Mountain, nine miles northeast of Hazelton. A number of adjoining properties are aligned in two parallel rows in the vicinity of the granodiorite intrusives. From northwest to southeast within the granodiorite are the Barber Bill, Sunrise, Lead King, and Silver Pick properties. A parallel group, lying about a mile to the southwest and mainly in the sedimentary rocks, includes from northwest to southeast the Silver Cup, Pole Star and Slocan properties.

A number of claims, including those of the Sunrise group, were located after the discovery in 1909 of mineralized quartz veins; some 90 additional locations were recorded during 1910. The Sunrise group of 4 claims, located by Messrs. Harris and Rosenthal, was acquired in 1911 by The Hazelton Sunrise Mines, Limited which was incorporated in February of that year. Intermittent exploration work was done in open cuts and short adits. Six claims, the Ethel, Sunset, Sunrise, Noonday, Hidden Treasure and Ethel Fr. (Lots 593-597, 599 respectively) were Crown-granted to the company in 1915.

The Sunrise, Lead King, Silver Cup and other groups were optioned by Byron R. Jones for a Eastern syndicate in 1918. Some stripping was done on the Sunrise, however work was not resumed the following year and the option expired. Later in 1919 the American Smelting and Refining Company optioned the Sunrise group; an inclined shaft was sunk 40 feet; the option expired in 1920. Under an option agreement of 1922 the Trethewey Bros. provided funds for further development and in 1924 acquired control of the company. A crosscut adit about 250' below the surface showings was driven to 750' in 1927 and a 45° raise put up 58'. This work failed to locate the vein extensions at depth and operations ceased. The workings at that time, comprised numerous open cuts and about 1,000' of crosscut and drifts in 4 adits.

Sunrise Silver Mines Ltd., incorporated January 1966, leased the 6 Crown-grants from Hazelton Sunrise and purchased the adjacent Van 1-6 and Alpha 1-30 claims from O. Schneider, a principal of Hazelton Sunrise. The located claims cover in part the adjacent Lead King, Slocan, and Silver Pick properties (93 M/6, Ag 2 & 3). Work during 1968-69 included extensive stripping on the Alpha claims and 2,829' of diamond

see Card 2

Mineral Policy Sector, Department of Energy, Mines and Resources, Ottawa
Secteur de la politique minière, ministère de l'Énergie, des Mines et des Ressources, Ottawa

500261

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

Ore shipped in 1915 and 1970 totalled 98 tons. From this ore 8,790 ozs Ag, 68,519 lbs Pb and 3,942 lbs Zn were recovered.
 Ore shipped in 1975, 78 and 79 totalled 247 tonnes. From this ore 87 959 g Ag, 9 299 kg Pb, and 9 638 kg Zn were recovered.

REFERENCES/BIBLIOGRAPHIE

Reports of Minister of Mines, British Columbia:
 1909, p. 84; 1910, p. 86; 1911, pp. 79, 104;
 1914, p. 204; 1915, p. 448; 1918, p. 117;
 1919, p. 102; 1920, p. 86⁺; 1922, p. 98;
 1923, p. 106; 1924, p. 94; 1925, p. 134;
 1926, p. 126; 1927, p. 131; 1950, p. 97;
 1968, p. 111.

Geology, Exploration and Mining; British Columbia Dept. of Mines: 1969, p. 99; 1970, p. 175; 1971, p. 189; 1972, p. 430; 1973, p. 357; 1974, p. 270; 1978, p. E 224.

⁺⁺Kindle, E.D.; Mineral Resources, Hazelton and Smithers Areas, Cassiar and Coast Districts, British Columbia; Memoir 223, pp. 11-16, Geol. Surv. of Canada, 1940.

O'Neill, J.J.; Preliminary Report on the Economic Geology of Hazelton District, British Columbia; Memoir 110, p. 34, Geol. Surv. of Canada, 1919.

Leach, W.W.; The Skeena River District; Summary Reports: 1909, p. 66; 1910, p. 98, Geol. Surv. of Canada.

Mineral Policy Sector; Corporation Files:
 "Trans Pacific Ventures Ltd."; "Sunrise Metals Corporation".

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Preliminary Geological Map, Hazelton (West Half-south portion), Sc. 1";4 miles, Paper 75-1 A, Fig. 1, p. 32, Geol. Surv. of Canada.
 Map 971 A, Smithers-Fort St. James, (Geol.), Sc. 1":8 miles, Geol. Surv. of Canada.
 Preliminary Map 44-24, Hazelton, (Geol.), Sc. 1":2 miles, Paper 44-24, Geol. Surv. of Canada.
 Sketch Map of workings, Sc. 1":150', Report of Minister of Mines, 1920, p. 85.
 Map 5256 G, Suska River, (Aeromag.), Sc. 1":1 mile.
 Map 93 M/6, Suskwa River, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	08-81						

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HISTORY OF EXPLORATION AND DEVELOPMENT (continued)
HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

drilling in 10 holes. Further stripping was reported during the period 1972-74 and a small ore shipment was apparently made from surface workings. The Hazelton Sunrise changed its name in 1970 to Anoda Nickel Ltd., and in 1974 to Trans Pacific Ventures Ltd. Sunrise Silver changed its name in 1977 to Sunrise Metals Corporation. — holds lease to 1991

Mark Kryger, of Smithers, leased the property in 1978 and Kryco Mines Ltd. was incorporated in December of that year. A small amount of crude ore was shipped in 1978 and a portable mill acquired by the company processed small amounts of ore in 1979 and 1980; the lease terminated in 1980.

at Sunrise with ...
15000 ... m GCL 28/1/82