

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ VERONA, THEDA BARA, BASIN, SILVER BOW

OBJECT LOCATED - Silver Bow claim (Lot 3189).
OBJET LOCALISÉ

UNCERTAINTY FACTEUR D'INCERTITUDE	100 m	Lat. 55°23'40"	Long. 129°28'
Mining Division Division minière	Skeena	District District	Cassiar
County Comté		Township or Parish Canton ou paroisse	
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

The main showings are in the form of quartz-carbonate-sulphide veins which follow north-northeast striking shear zones in argillaceous microgreywackes near their contact with granodiorites and quartz diorites of the coast intrusions. On the Verona claims, quartz-carbonate-barite-sulphide veins follow bedding shears in the north-northeasterly striking microgreywackes. Intrusions of porphyritic basic sills along the same zones of weakness following the period of mineralization has resulted in great variation in width of the vein along strike. Both the sills and the veins are offset by northwest faults. At the northern end of the main sill, a near massive sulphide lens, varying in width from 9 to 28 inches and exposed over a distance of 20 feet contains pyrite, pyrrhotite, sphalerite, and galena in a quartz gangue. An assay of this material gave low values in gold, silver, copper and cadmium.

On the Theda Bara claim, quartz veins generally less than 1 foot wide occur in shear zones which have been intruded by granodiorite and lamprophyre dykes; the veins contain varying amounts of carbonate, pyrrhotite, sphalerite, and galena. On

p.t.o.

Associated minerals or products - Zinc, silver, copper, gold.
Minéraux ou produits associés

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

The original claims were located between elevations of about 2,500 and 3,750 feet at the head of the west fork of Lime Creek, 5½ miles south-southeast of the community of Alice Arm. The Verona showing is exposed in Lime Creek at an elevation of 3,150 feet. The Theda Bara showings are located 1,500 feet west of the Verona on a northerly sloping ridge; these claims are adjoined on the north by the Sunset property. The Basin showing is exposed on the side of a ridge west of the headwaters at an elevation of 3,750 feet and some 2,500 feet southwesterly from the Verona showing.

The showings in this area were investigated as early as 1912. The Silver Bow claim (Lot 3189) was Crown-granted to T. McRostie and J.L. Hatch in 1916. The Basin claim (Lot 3190) was Crown-granted to G.R. Naden that same year. Exploration work on the Basin claim to that date had been done in open cuts and 3 short adits.

The Verona group of 2 claims was owned by T. McRostie, of Alice Arm, in 1921. The Theda Bara and Phebe Daniels claims were staked and owned by F. Jones of Silver City; R. Ingraham purchased an interest in these claims in 1924. Exploration work by Jones and Ingraham was done in open cuts and two adits, one 50 feet and the other 20 feet long. The last reported work on these claims by the original owners was in 1927.

Marshall Creek Copper Co. Ltd. acquired 63 recorded claims and 3 optioned mineral leases, in about 1966. These claims cover the original showings as well as the adjoining Sunset property. Work during 1966 included a geological survey of the claims, some trenching and stripping in the vicinity of the showings, and some silt-sampling.

Lori Explorations Ltd. acquired mineral leases M 91 (Lots 4076-4083), M 93 (Lot 3190), and M 94 (Lot 3189) in 1968. General prospecting and some blasting on the Verona vein was reported.

Southern Lights Resources Ltd. 20/4/83

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT (continued)

the Basin showing a quartz vein 1 to 2 feet wide and exposed over a distance of 200 feet follows a shear in sedimentary rock adjacent to the granodiorite; the vein pinches out at both north and south ends. A chip sample across 2 feet near the south end assayed: gold, 0.18 ounce a ton; silver, 18.1 ounces a ton; copper, 0.8%; lead, 19.7%; zinc, 6.0%.

REFERENCES/BIBLIOGRAPHIE

Carter, N.C.; Silver Bow, MCC; Report of Minister of Mines & Petroleum Resources, British Columbia, 1966, p. 49.

Reports of Minister of Mines, British Columbia:
1916, p. 68; 1921, p. 48; 1923, p. 54; 1924, p. 51;
1927, p. 70; 1964, p. 24; 1968, p. 65.

Hanson, George; Portland Canal Area, British Columbia; Memoir 175, pp. 77, 82, 85, Geol. Surv. of Canada, 1935.

Mineral Policy Sector; Corporation Files: "Marshall Creek Copper Co. Ltd."

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Geology of the Lime Creek Area, Sc. 1":4,000 feet, Fig. 1, Report of Minister of Mines & Petroleum Resources, British Columbia, 1964.

Map 307 A, Portland Canal Area, B.C., (Geol.), Sc. 1":4 miles - accomp. Memoir 175.

Map 103 P, Nass River, B.C., (Topo.), Sc. 1:250,000.

*Map 103 P/6, Aiyansh, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	05-68	11-74					