

NAME OF PROPERTY NOM DE LA PROPRIÉTÉ		HOPE NO. 2 (PIEDMONT)	
OBJECT LOCATED OBJET LOCALISÉ		Adit	
UNCERTAINTY FACTEUR D'INCERTITUDE	300 m	Lat. 49°43'30"	Long. 117°25'
Mining Division Division minière	Slocan	District District	
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

The country rock is mainly porphyritic granite of the Cretaceous Nelson intrusives, enclosing a large pendant of argillaceous quartzite, and minor limestone now largely altered to skarn, presumably belonging to the Palaeozoic Milford Group. The pendant rocks are cut by small irregular bodies of granitic rocks and pegmatite. The eastern contact of the pendant is marked by a sinuous fault. The ore minerals occur in a garnet, calcite diopside skarn that, in the vicinity of the glory hole, forms a flat lying lenticular mass at least 60 feet in diameter and 10 feet thick. Most of the ore consists of pyrrhotite, sphalerite and galena forming bands and disseminations. Lower grade zinc-lead-silver occurs over widths of 2 to 2.5 m in adits 1 and 2. Similar mineralization over a length of at least 50 m and width of 2-3 m occurs about 500 m southwest of the Hope No. 2 showings. Fine samples from this zone assayed 0.22 to 0.32 oz/t Ag, 0.1 to 0.48 % Pb, 0.2 to 4.88 % Zn, and 0.001 oz/t Au.

Associated minerals or products
Minéraux ou produits associés

Silver, lead.

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

The property is located at 4 500 feet elevation on the ridge between Cameronian and Chapleau Creeks, 6 km southeast of the south end of Slocan Lake.

The earliest reported activity in this vicinity was on the Cameronian claim (Lot 5976), located about 0.5 km north of the Hope No. 2 claim. The Cameronian workings in 1897 included a 80 foot shaft; some ore was reportedly soaked for shipment. The claim was Crown-granted in 1903 to the Cameronian Gold and Silver Mining Company, Limited Liability. The adjacent Sligo claim (Lot 5975) was probably also held by the company.

The Quebec claim (Lot 2885), located about 0.5 km southwest of the Hope No. 2 and lying across Cameronian creek, was Crown-granted to Wm. Harrison in 1899.

The Hope No. 2 claim (Lot 2884) was Crown-granted in 1899 to R. Cooper and H. Sheran. Development work from 1898 or earlier included open cuts and a 50 foot adit. No further work was reported until 1922 when owner R. Cooper resumed explorations. Regina interests acquired the property and in May 1927 incorporated Piedmont Mines Limited to put the property into production. A 5 500 foot long tramway was installed and some 480 tons of ore were shipped. A new adit exposed only limited mineralization and work ceased in 1928;

A claim group owned in 1927 by F. and J. Binnish, of Slocan City, and comprising the First Thought FR, Success, Motherlode FR and Diamond Jubilee FR, was located below the Hope No. 2 claim on the Cameronian creek slope. Surface work was reported on lead-zinc showings located about 1 000 feet lower than the Hope showings.

By 1948 the Hope No. 2 claim was owned by R.D. Kennedy of South Slocan. That year a lessee shipped 25 tons of mineralized dump rock. In 1951 lessee W. Foster shipped 12 tons of ore. The showings were reportedly examined and sampled for Cominco Ltd. in 1949 by E.H. Caldwell, who estimated a potential of about 143 000 tons at 7.7 oz/t Ag, 7.9 % Pb, 17.4 % Zn (D.G. Allen, 28/11/84, in Chapleau Resources Ltd Prospectus, 17/05/85).

When examined by A.B. Irwin for the Geological Survey of Canada in 1950, the workings included 4 adits totalling about 177 m of cross cuts and drifts, and a raise to a 10 m diameter glory hole which was the source of most of the ore shipments.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

Recorded production under the names Hope No. 2 and Piedmont for the period 1928-1959 totals 527 tons of ore. From this ore 2 297 ozs silver, 52 956 lbs lead, and 156 546 lbs zinc were recovered.

REFERENCES/BIBLIOGRAPHIE

Reports of Minister of Mines, British Columbia: 1897, p. 535; 1898, p. 1078; 1899, pp. 844, 846; 1903, p. 242; 1922, p. 204; 1927, p. 277; 1928, p. 295; 1929 p. 318; 1946, p. 168; 1948, p. 149; 1951, p. 43.

Exploration in British Columbia: 1986, p. c68.

+Little, H.W.; Nelson Map Area, West Half; Memoir 308, p. 189, Geol. Surv. of Canada, 1960.

++Allen, D.G.; Geological Report on the Hope Prospect, 28/11/84, in Chapleau Resources Ltd Prospectus, 17/05/85.

George Cross News Letter: 1988, No. 66.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1090 A, Nelson (W $\frac{1}{2}$), (Geol.), Sc. 1" = 4 miles, accomp. Memoir 308.

Open File 1195, (Geol.), Sc. 1: 250 000, Geol. Surv. of Canada.

Hope prospect, (claims, geology, sample sites), Sc. 1 cm: 150 m, Fig. 4, Report by Allen.

#Map 82 F/11, Kokanee Peak, (Topo.), Sc. 1: 50 000.

HISTORY OF EXPLORATION AND DEVELOPMENT (con't)

Chapleau Resources Ltd. in October 1984, optioned the Hope No. 2 from Lena Kennedy of South Slokan, the Hope 3-7 located claims, and the overlying Hope 8 and 9 (40 units) from R.D. Kennedy, of Cranbrook; the company also acquired the Quebec claim; prospecting and sampling was reported in the fall of 1984.

Noranda Exploration Company optioned the property from Chapleau in October 1986. Chapleau in January 1987, obtained an option on the Cameronian claim from D. Cameron, of Vancouver. Work in 1986-87 included geochemical soil, silt and rock surveys, mag, EM and HLEM surveys. Trenching of anomalous targets located narrow beds of low grade zinc but drilling was unsuccessful.

REMARKS/REMARQUES

BCI 82 F/NW-129

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	02-88						