

PRODUCT PRODUIT	MOLYBDENUM	PROVINCE OR TERRITORY	PROVINCE OU TERRITOIRE	British Columbia	N.T.S. AREA 82 F/4 RÉGION DU S.N.R.C.	REF. MO 3 RÉF.
NAME OF PROPERTY NOM DE LA PROPRIÉTÉ	GIANT, CALIFORNIA, NOVELTY, GOLD KING			<p>HISTORY OF EXPLORATION AND DEVELOPMENT (continued) HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR</p> <p>ing in 17 holes was done, mainly on the Giant claim. Reserves on the Giant claim were estimated at 558,375 tons. The company reported total indicated open pit reserves at 1,078,233 tons averaging 0.282% molybdenite and 0.034 ounce per ton in gold.</p> <p>In January 1967 Cascade Molybdenum and Scurry-Rainbow Oil Limited agreed to a joint exploration program. During the year the full width of the breccia complex on the Giant and adjoining Novelty claim, and the eastern part of the breccia on the Golden Queen and St. Elmo claims (see 82 F/4, Mo 2), was tested by diamond drilling totalling 46,000 feet in 174 holes, mainly on the Giant claim. Scurry thereby earned a major share position (28%) in Cascade and assumed the management of that company. Based on the drilling by Scurry on this property, and on the adjoining Golden Queen-St. Elmo property, independent consultants calculated the indicated reserves available for open pit operations in 5 separate orebodies at 810,540 tons averaging 0.39% molybdenite. In addition, some 88,000 tons of possible ore of various grades are indicated below open pit limits. In 1970 Red Mountain Mines Limited carried out trenching on the Novelty claim. Mine Finders, Inc. of Lakewood Colorado carried out a geochemical soil survey over the property in 1973. Scurry-Rainbow sold its interest in Cascade Molybdenum in 1975. The company name (Cascade) was changed in June 1975 to New Cascade Minerals Ltd., and in January 1976 to Maloney Steel Ltd.</p> <p>David Minerals Ltd. by an agreement of August 1980 acquired the property from Maloney Steel for 12,000 shares, subject to a 5% net smelter interest in Giant claim in favour of Cominco Ltd. Drilling was carried out on the Novelty claim in 1981. From the exploration done by Cascade there were estimated 1,070,280 tons grading 0.282% MoS₂ and 0.034 ozs Au/ton on the Giant and Novelty (1967) or 778,500 tons grading 0.340% MoS₂ and 0.058 ozs Au/ton (1971). (Geol. Rept. for David Minerals in SMF 268/80, 24/12/80).</p> <p>Undiluted drill indicated reserves on the Novelty Main Zone were reported as 85,000 tons at 0.15 oz/t Au, 0.380% MoS₂, 0.126% cobalt (J.L. Deleen (1984) - in David Minerals Statement of Material Facts, 11/07/85, p. 7).</p>		

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NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ GIANT, CALIFORNIA, NOVELTY, GOLD KING

OBJECT LOCATED - Center of Giant claim (Lot 997).
OBJET LOCALISÉ

UNCERTAINTY 200 m Lat. 49°05' Long. 117°49'27"
FACTEUR D'INCERTITUDE Lat. Long.

Mining Division Trail Creek District
Division minière District

County Township or Parish
Comté Canton ou paroisse

Lot Concession or Range
Lot Concession ou rang

Sec. Tp. R.
Sect. Ct. R.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The oldest rocks are Palaeozoic argillites or siltites of the Mount Roberts Formation, exposed in the valley of Jumbo Creek and the western half of the Giant claim. They have been extensively metamorphosed to various types of hornfels. The hornfels contain quartz, pyroxene, biotite, and locally, hornblende, garnet, and epidote, all of which are very fine grained. Contacts along the siltites and hornfels are gradational. A thick sill-like mass of augite and hornblende porphyry lies beneath the hornfels and siltite. The hornfels contain a mass of breccia, throughout which are irregular masses of aphanitic and porphyritic rock variously described as diorite, andesite, or hornblende porphyry. Two types of mineral deposits occur on the property. The initial work was on a narrow easterly dipping vein mineralized with sulphides of lead, zinc, cobalt, nickel, iron, and molybdenum, with gold. The molybdenum zone developed in later work occurs in the breccia and consists of molybdenite, pyrrhotite, and minor chalcopyrite.

Associated minerals or products - Gold, silver, copper, cobalt.
Minéraux ou produits associés

HISTORY OF EXPLORATION AND DEVELOPMENT

HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

The Giant claim is located at the 4,250 foot elevation on the southwesterly slope of Red Mountain about 1 mile northwest of Rossland. The claim is adjoined to the north and east by the Novelty claim (Lot 958) and to the southeast by the California (Lot 956). The Gold King claim (Lot 1061) lies about 300 feet west of the Giant claim.

The Giant, Novelty, California, and Gold King claims were Crown-granted in 1896 to G.W. Coplin, T.F. Wren, Chas. Warren and D.M. Lennard, respectively. Very little development work was reported on the Gold King. On the Novelty claim a shaft was sunk to 40 feet and 2 short adits driven. The Giant and California were developed by two companies, the Giant Gold Mining Company and the California Gold Mining Company, which were organized in Spokane. Development work continued into 1903 and included, on the Giant, 2 shafts totalling about 200 feet and 500 feet of drifts and crosscuts, and, on the California, about 1,000 feet of drifts and a 168 foot shaft.

The Giant-California Mining Company, Limited was incorporated in 1907 as successor to the above companies. The property was apparently optioned by The Granby Consolidated Mining, Smelting and Power Company, Limited. Development work during 1907-1908 was confined to the California claim in search for the extension of the ore zone from its adjacent Annie claim held by Le Roi No. 2, Limited. A 1,200 foot crosscut and 300 foot shaft were driven to connect with the Le Roi No. 2 workings. In 1914 the Le Roi No. 2, Limited secured a bond on the Giant and California and some development work was reported in 1914 and 1915. The Cal-Roi Mining Company, Limited was incorporated in 1921 to acquire the property but no work was reported.

Cascade Molybdenum Mines Ltd. was incorporated in October 1964 to acquire 9 Crown-granted claims (Gold King, Evening, etc.). The Giant claim was acquired on a 20-year lease from Cominco Ltd. During 1965 the company explored several zones of mineralization by 30 diamond drill holes totalling 8,610 feet on the Giant, by 15 holes totalling 3,803 feet on the Evening, by 7 holes totalling 3,020 feet on the Gold King, and by 3 holes totalling 968 feet on the Little Darling. The work on the Giant was localized in two areas, the first in the vicinity of the upper adit at about 4,250 feet elevation, and the second a breccia zone to the northeast of the first at 4,450 feet elevation. In 1966 approximately 30,000 feet of AX wireline drill-

- see Card 2

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

From 1898 to 1913, 4,555 tons of ore were shipped from the Giant & California claims. From this ore 3,641 ounces of gold, 748 ounces of silver, and 2,932 pounds of copper were recovered. Included in this figure are 4,344 tons shipped from the Giant before operations were suspended in 1903.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Geology of Red Mountain, Sc. 1":1,000 ft., Fig. 29, Report of Minister of Mines, British Columbia, 1967, p. 237.
 Map 941, Rossland and Vicinity, (Geol. & claim map), Sc. 1":1,600 ft., Geol. Surv. of Canada, 1906.
 Map 1091 A, Nelson, (Mining Properties), Sc. 1":4 miles - accomp. Mem. 308.
 Map 1090 A, Nelson, (Geol.), Sc. 1":4 miles - accomp. Mem. 308.
 Map 82 F/4 W, Rossland-Trail, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

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