

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

IRON CAP

OBJECT LOCATED - Iron Cap shaft.
OBJET LOCALISÉ

UNCERTAINTY 200 m FACTEUR D'INCERTITUDE	Lat. 50°39'37"	Long. 120°27'40"
Mining Division Kamloops Division minière	District District	Kamloops
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 mineralization occurs in micromonzonite of the Jurassic and (?) Later Iron Mask batholith which is in fault contact just north of the shaft with post Iron Mask intrusions (Cherry Creek porphyry). A shear zone 6 feet wide and dipping southwesterly carries veins and stringers of chalcopyrite varying from a fraction of an inch to 4 or 5 inches wide. Narrow alteration zones of pink albitite appear in the micromonzonite and associated with the ore. Gangue minerals include magnetite, epidote, calcite, quartz, and siderite. Pyrite occurs in the wallrock, but does not carry appreciable gold values. The vein is faulted 85 feet northwest of the shaft, and its continuation beyond the fault has not been discovered.

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

The Iron Cap Crown-granted claim (Lot 875) is located on the southwest side of Ironmask Lake, approximately 5 miles west-southwest of Kamloops.

The claim was staked in about 1897 and a 70 foot inclined shaft was sunk at that time; the claim subsequently reverted to the Crown for taxes. The claim was leased by G.C. Seatchard and several adjoining claims staked. The property was prospected under lease by D.B. Sterritt, of Kamloops, at intervals from 1937 to 1940. The shaft was extended down the dip of the zone to a depth of 125 feet. Levels, totalling about 200 feet of drifts, were driven at 60 and 120 feet. To the northwest the drifts followed ore for about 90 feet to the fault and this was stoped out to the surface. Open cuts and short drifts southeast from the shaft failed to find ore.

Berens River Mines Limited, a subsidiary of Newmont Mining Corporation, held the Iron Cap and a number of adjacent claims in 1952. An electromagnetic survey was carried out and five diamond drill holes were put down on the Iron Cap and adjacent claims. In all cases the conductors proved to be unmineralized faults.

Comet Mining Corporation Ltd., incorporated December 1964, leased the Iron Cap (Mineral Lease No. 21-0) and acquired a number of adjacent claims by option and by staking. In May 1966 the company amalgamated with Krain Copper Resources Ltd. to form Comet-Krain Mining Corp. Ltd.; the company name was changed in April 1971 to Comet Industries Ltd.

In December 1972 Getty Mining Pacific, Limited optioned 120 contiguous claims in the combined properties (Victor, Iron Mask, Iron Cap and DM (92 I/9, CU 1, 7-9) held by Comet, Initial and Davenport. Work by Getty in 1973 included an induced potential survey over 58 line-miles, a magnetometer survey over 54 line-miles, 6,839' of rotary drilling in 8 holes, 1,852' of diamond drilling in 2 holes, and 50,897' of percussion drilling in 159 holes. Among these holes, 25 were spaced over a 2 mile by 3 mile area. The option was given up in 1974.

Davenport Oil & Mining changed its name in 1973 to Davenport Industries Ltd. Initial Developers Corporation in May 1974 amalgamated with North Pacific Mines Ltd under the name Initial Developers Limited.

see Card 2

511436 *

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

Recorded production for the period 1896-1940 is 263 tons. From this ore 209 ounces of gold, 434 ounces of silver, and 10,583 pounds of copper were recovered.

REFERENCES/BIBLIOGRAPHIE

Carr, J.M.; Deposits Associated with the Eastern Part of the Iron Mask Batholith; Report of Minister of Mines, British Columbia, 1956, p. 68.

Cockfield, W.E.; Geology and Mineral Deposits of Nicola Map-Area, British Columbia; Memoir 249, p. 110, Geol. Surv. of Canada, 1948.

Mineral Policy Sector; Corporation Files: "Comet Industries Ltd."; "Initial Developers Limited"; "Teck Corporation"

Report of Minister of Mines, British Columbia: 1897, p. 612.

Geology, Exploration and Mining; British Columbia Dept. of Mines: 1973, p. 199; 1974, p. 150; 1976, p.E 99; 1977, p. E 154; 1978, p. E 167.

Exploration in British Columbia; British Columbia Dept. of Mines: 1983, p. 282.

George Cross News Letter: 1987, No. 169; 1988, No. 181

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Eastern Part of the Iron Mask Batholith, (Geol.), Sc. 1": 1 mile, Fig. 13, Report of Minister of Mines, British Columbia, 1967, p. 137.

Map 887 A, Nicola, (Geol.), Sc. 1":4 miles - accomp. Memoir 249.

Map 886 A, Nicola, (Mineral Localities), Sc. 1":4 miles - accomp. Memoir 249.

Map 5216 G, Kamloops, (Aeromag.), Sc. 1":1 mile. (1968).

*Map 92 I/9 W, Kamloops, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par		DMacR	DMacR	DMacR	DMacR		
Date Date	04-73	05-84	05-86	04-87	07-89		

PRODUCT PRODUIT	COPPER	PROVINCE OR TERRITORY	PROVINCE OU TERRITOIRE	British Columbia	N.T.S. AREA 92 I/9 RÉGION DU S.N.R.C.	- Card 2 - REF.CU 9 RÉF.
NAME OF PROPERTY NOM DE LA PROPRIÉTÉ		IRON CAP		HISTORY OF EXPLORATION AND DEVELOPMENT (continued) HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR		
				<p>Canadian Superior Exploration Limited optioned the above combined properties (some 5,400 acres) in 1975. Work in 1976-78 included a magnetometer survey over 89 line-k, 8,064 metres of diamond drilling in 47 holes and 4,211 metres of percussion drilling in 48 holes. The option was terminated in 1978.</p>		
				<p>Craigmont Mines Limited in February 1981 obtained an exploration agreement on the above four properties and on the adjacent Rainbow property (92 I/9, CU 5) of Pacific Seadrift Resources. Most of the work by Craigmont was on the adjacent Victor and Rainbow properties. This work indicated insufficient tonnage and the option was terminated in September 1981.</p>		
				<p>Comet Industries Ltd in 1983 carried out exploration on the combined Iron Cap, Lorna and DM properties, including magnetometer and electromagnetic surveys over 13 km and 294 m of diamond drilling in 3 holes. The property was owned in 1986 by Comet (40%), Davenport Industries Ltd (30%) and Initial Developers Limited (30%).</p>		
				<p>Teck Corporation and Metall Mining Corporation, through Afton Operating Corporation, in August 1987 obtained from Comet, Davenport, and Initial a 10 year exploration option on the Iron Cap property and adjacent ground.</p>		