

PRODUCT
PRODUIT

COPPER

PROVINCE OR
TERRITORY

PROVINCE OU
TERRITOIRE

British Columbia

N.T.S. AREA 92 I/9
RÉGION DU S.N.R.C.

REF. Cu 3
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

KIMBERLEY

OBJECT LOCATED open cuts
OBJET LOCALISÉ

UNCERTAINTY 300 m
FACTEUR D'INCERTITUDE

Lat. 50°37'40"
Lat.

Long. 120°21'
Long.

Mining Division
Division minière

Kamloops

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

Widely disseminated chalcopyrite occurs in Triassic Cherry Creek porphyry breccia of the Iron Mask Batholith, near its northeastern edge. The exposed underlying rock is a fractured and brecciated monzonite, weakly to strongly altered by pink to red and less commonly white feldspathization, and carrying varying amounts of sulphides including pyrite, pyrrhotite, and chalcopyrite. Most of the exposed fractures trend north to northwest. Surface mineralization is widespread.

Four apparently separate zones of copper mineralization are known to occur in a northwesterly trending area of more than 1 219 by 243 m. They are all found within or close to the monzonitic rocks, near their contacts with Iron Mask diorite. The mineralization occurs as fracture coatings and as disseminations.

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

This property is located 3 miles south-southwest of Kamloops and about 1 mile northwest of Knutsford.

Some 200 claims were located in this vicinity in 1896 and it is probable that the 7 claim Kimberley group was located at that time. The owners, Messrs. Fowler and Carter, carried out exploration and development work until 1900. Most of this work was done on the Charlotte claim and included a 225 foot long adit, an 18 foot deep shaft and numerous open cuts.

The Kimberley Copper Mines of Kamloops, British Columbia, Limited was formed in July 1900 to purchase the property. Some exploration work was reported by the company in 1900 and 1901; the adit was reportedly extended a further 175 feet. The claims were apparently under option to a Mr. Beckman, of Cleveland, Ohio, in 1908 and further trenching was reported at that time. Three claims, the Morning Star (Lot 1450), Stemwinder (Lot 1451), and Keystone Fractional (Lot 1453) were Crown-granted to the company in 1911; the company charter was surrendered in 1912.

The property was subsequently acquired by Angelo Sartorio and in 1929 the following claims were Crown-granted to him: Kimberley, Charlotte, and Last Chance (Lots 1447-1449), and Occidental (Lot 1452). No work was reported at that time. In about 1940, the property was owned by Baroness Sartorio.

New Jersey Zinc Exploration Company (Canada) Limited held the property, probably under option, in 1964 and completed 6 BX diamond drill holes totalling 2 040 feet. Owner F. Sanft did a limited amount of diamond drilling in 1965.

Kimberley Copper Mines Ltd. optioned the Crown-granted claims from F. Sanft in April 1966 and acquired by staking the Kim group of 5 claims. An additional 20 claims in the Alf, Jeep, and Don groups were purchased at this time. Initial work by the company included geological mapping, geochemical and magnetometer surveys, and 906 feet of diamond drilling in 3 holes. Percussion drilling totalling 3 861 feet was done in 42 holes, of which 9 failed to reach bedrock. Most of the holes drilled on the Crown-granted claims cut only minor amounts of copper. The best hole cut 60 feet averaging 0.54 % copper, including 20 feet of 1.07 % copper. Some 2 000 feet

con't card 2

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Karr, J.M.; Deposits associated with the Eastern Part of Iron Mask Batholith near Kamloops; Report of Minister of Mines, British Columbia, 1956, pp. 48, 69.

Mineral Policy Sector; Corporation Files: "Kimberley Copper Mines Ltd."; "Phillips Petroleum Company"; "Glitter Gold Mines Ltd."

Reports of Minister of Mines, British Columbia; 1898, p. 1102; 1899, p. 730; 1900, p. 889; 1901, p. 1078; 1908, p. 122; 1909, p. 139; 1913, p. 191; 1964, p. 98; 1966, p. 148; 1967, p. 141; 1968, pp. 169-172.

Cockfield, W.E.; Geology and Mineral Deposits of Nicola Map-Area, British Columbia; Memoir 249, p. 112, Geol. Surv. of Canada, 1948.

Geology, Exploration and Mining; British Columbia Dept. of Mines: 1969, p. 236: 1986, p. C 236.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

#Eastern Part of the Iron Mask Batholith, (Geol.), Sc. 1.6":
1 mile - Fig. 3, Report of Minister of Mines B.C., 1956,
p. 149.

Map 886 A, Nicola, (Geol.), Sc. 1": 4 miles - accomp. Mem. 249.

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

Prel. Map #26, Iron Mask Batholith, (Geol.), Sc. 1: 15 840,
BC Dept. of Mines, 1977.

REMARKS/REMARQUES

BCI 92 I/NE-17

Comp./Rev. By Comp./rév. par		DMacR					
Date Date	04-71	08-88					

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NOM DE LA PROPRIÉTÉ

KIMBERLEY

HISTORY OF EXPLORATION AND DEVELOPMENT (con't)

HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

northwest, a drill hole cut 50 feet of 0.30 % copper

Phillips Petroleum Company sub-optioned the property from Kimberley Copper in July 1968. Work by the company included induced polarization and geochemical surveys, 8 021 feet of diamond drilling in 20 holes and 5 900 feet of percussion drilling in 23 holes. The sub-option was dropped in 1969. Kimberley Copper Mines changed its name in February 1971 to Nor-West Kim Resources Ltd; the company abandoned its option in about 1973.

On the Kim claims in this vicinity Teck Corporation in 1985 or 1986 carried a VLF electromagnetic survey over 10.7 km and a geochemical soil survey (148 samples).

Glitter Gold Mines Ltd in October 1986 optioned 100 % interest in the MD 1-6 claims (37 units) covering this property from Michael McElgunn, of Kamloops. The company reported that past work had outlined 400 000 tons at 0.35 % copper (Glitter Gold Mines, Filing Statement 76/87).