

PRODUCT PRODUIT	COPPER	PROVINCE OR TERRITORY	PROVINCE OU TERRITOIRE	British Columbia	N.T.S. AREA 92 I/7 RÉGION DU S.N.R.C.	REF. CU 5 RÉF.
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NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ WIZ 21 & 30, CHATAWAY ZONE 4 (COPPER KING)

OBJECT LOCATED - Zone 4.
OBJET LOCALISÉ

UNCERTAINTY 300 m
FACTEUR D'INCERTITUDE

Lat. 50°19'45" Long. 120°51'25"
Lat. Long.

Mining Division Nicola
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 property lies within the Upper Triassic to Mid Jurassic Guichon Creek batholith, near its eastern edge, and is mainly underlain by Witches Brook "B" quartz monzonite and granodiorite and the Chataway variety of the Highland Valley phase. The host rock for the shear zone is Dot variety quartz monzonite (King Resources, 1968). Considerable alteration has been mapped extending over a width of about 500 feet. Talc and sericite occur within the shear and chloritization occurs up to 50 feet on either side of the veining. Zone 4 is a strong narrow shear containing chalcopyrite, bornite, chalcocite, native copper and numerous secondary copper minerals. This zone, from 2 to 30 feet in width, strikes N10°W and dips 60°SW to vertical. At the extreme north end an easterly dip has been reported. Strike length is over 3,000 feet but drill results indicate significant mineralization occurs only over 1,790 feet. Preliminary work (Bralorne, 1967) indicated this structure consists of three blocks as follows:-

see Card 2

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

The property is located at Gypsum Lake, about 16 miles north-northwest of Merritt. Zone 4 lies at about the 4,300 foot elevation on the WIZ 21 and 30 claims, some 5,500 feet south-southeast of the lake.

Claims in this vicinity were held as the Copper King group from about 1908. In 1915 the group comprised 4 claims, the Copper King, X, Z, and B, owned by Martin Bresnik and Jacob Zink of Merritt. The workings at that time included open cuts, an inclined shaft to 30 feet, and 2 short adits. Some 1,300 feet westerly a vertical shaft was sunk to 90 feet and an inclined shaft to 20 feet. A small amount of ore was shipped from these workings during the period 1908 to 1915.

More recent exploration in the area was begun in 1956 by the Chataway Mining Syndicate who carried out prospecting, soil sampling, and bulldozer trenching.

Chataway Exploration Co. Ltd. was incorporated in September 1962 to acquire zone 200 claims, including the WIZ group. Work during the period 1962-1964 included geological mapping, electromagnetic and induced potential surveys over various parts of the larger property.

Zone 4 was partly exposed during the course of road construction in 1965. A small magnetometer survey was carried out around the zone. Later in the year the Wiz group, as part of a group of 120 claims in the southeast part of the Chataway holdings, were optioned to Bralorne Pioneer Mines Limited; Pacific Petroleum Ltd. and Mountain Copper Company, of California, participated in the agreement. Work by Bralorne included magnetometer, induced potential, electromagnetic, soil geochemical surveys, trenching of the anomalies, diamond drilling in 4 holes totalling 1,118 feet, and percussion drilling in 20 holes totalling 4,448 feet from 1965 to 1967. A preliminary estimate for Zone 4 indicated 1,296 tons per vertical foot. Indicated reserves were reported at 324,000 tons averaging 1.26% copper to a depth of 250 feet, however, the zone was tested to a depth of only 170 feet. M.H. Sanguinetti, Apr. 20, 1972 Report - in Aselo Industries Ltd. Statement of Material Facts, June 26, 1972.

King Resources Company optioned the Chataway holdings in 1968. Test induced potential and electromagnetic surveys

see Card 2

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

During the period 1908-1915, 79 tons of ore were shipped from the Copper King group. From that ore 2 ounces of gold, 86 ounces of silver, and 8,156 pounds of copper were recovered.

REFERENCES/BIBLIOGRAPHIE

Reports of Minister of Mines, British Columbia:
 1908, p. 248; 1915, p. 233; 1962, p. 50;
 1963, p. 48; 1964, p. 90; 1965, p. 149;
 1966, p. 164⁺⁺; 1968, p.194.

Geology, Exploration and Mining; British Columbia Dept. of Mines: 1970, p. 371; 1971, p. 346; 1972, p. 159.

⁺Sanguinetti, M.H.; Report on the Geology and Mineralogy of the southeast quarter of the Chataway Highland Valley Property, April 20, 1972 - in Aselo Industries Statement of Material Facts, June 26, 1972.

Mineral Policy Sector; Corporation Files: "Aselo Industries Ltd."; "Chataway Exploration Co. Ltd."; "Lawrence Mining Corporation".

Seraphim, R.H.; Report on the Vimy Group - in Statement of Material Facts, 48/81, Lawrence Mining Corporation.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Geology of the Guichon Creek Batholith, Sc. 1":2 miles, Bulletin 56, British Columbia Dept. of Mines, 1969.

Map 886 A, Nicola, (Geol.), Sc. 1":4 miles - accomp. Memoir 249, Geol. Surv. of Canada, 1948.

#Preliminary Map 30, B.C. Dept. of Mines, (Geol.), Sc. 1 cm: 260 m (approx.), Fig. 3 (b) - accomp. Rept. by Seraphim.

Map 5212 G, Mamit Lake, (Aeromag.), Sc. 1":1 mile (1968).

Zone 4, Chataway Exploration Co. Ltd., Sc. 1":400 ft. - Fig. 26, Report of Minister of Mines, British Columbia, 1966.

*Map 92 I/7, Mamit Lake, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR	DMacR					
Date Date	09-78	04-81					

PRODUCT COPPER
PRODUIT

PROVINCE OR PROVINCE OU
TERRITORY TERRITOIRE

British Columbia

N.T.S. AREA 92 I/7
RÉGION DU S.N.R.C.

REF. CU 5
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ WIZ 21 & 30, CHATAWAY ZONE 4 (COPPER KING)

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

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT (continued)

Block No.	Length (ft.)	Width (ft.)	Grade % Cu
4A	220	7.3	1.85
4B	960	6.4	0.56
4C	610	9.8	1.74
TOTAL	1,790	Avg. 7.9	Avg. 1.26

were run over Zone 4 and limited hand trenching carried out. American Smelting and Refining Company held the entire Chataway property under option in 1970 and carried out reconnaissance percussion drilling. Bethlehem Copper Corporation Ltd. held an option on the southeast part of the Chataway holdings from April to December 1971 and carried out percussion drilling (6,000 ft.).

The structure is cut off on the north by the northwest trending Gypsum Lake fault while to the south mineralization decreases and the structure becomes obscured by overburden. Higher-grade mineralization occurs in clay gouge and in quartz-filled tension fractures within the confines of the shear. Lower-grade disseminated mineralization, consisting of chalcopyrite, and pyrite, have been noted on the footwall side only, however, this material grades less than one per cent copper. No mineralization was recorded in the hanging wall except occasional quartz veinlets bearing pyrite and chalcopyrite.

Aselo Industries Ltd. optioned 120 claims in the South-east part of the Chataway holdings in 1972. The company carried out an induced potential survey over 15.1 line-miles, a magnetometer survey over the southern half of the property, and 1,000 feet of diamond drilling in 2 holes on WIZ 17 and 26 near the south end of Twilight Lake. The option was subsequently abandoned.

The company name (Chataway) was changed in 1973 to Chatex Industries Ltd. and in 1978 to Rhodes Resources Inc.

The Zone 4 showings were re-staked by Klages as the Vimy 200 claim (6 units), which was purchased in August 1979 by Lawrence Mining Inc., a wholly owned subsidiary of Cleaver Lake Mines Ltd. Adjacent ground was staked by the company in November 1979 as the Vimy 100, Vimy 300-Vimy 900. In March 1980 the company name (Lawrence) was changed to Vimy Mining Inc., and Cleaver Lake Mining to Lawrence Mining Corporation.