

PRODUCT GOLD  
PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE

British Columbia

N.T.S. AREA 82 L/7  
RÉGION DU S.N.R.C.

REF. AU 1  
RÉF.

NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ

CHAPUT (LUMBY)

OBJECT LOCATED - Plateau Zone, Fig. 4, Kuran Report.  
OBJET LOCALISÉ

UNCERTAINTY 300 m  
FACTEUR D'INCERTITUDE

Lat. 50°16'  
Lat.

Long. 118°56'30"  
Long.

Mining Division Vernon  
Division minière

District  
District

Osoyoos

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

GSC Open File 637 indicates the property is underlain by intermediate to felsic volcanic tuffs and marine sediments of the Triassic Sicamous Formation, Slokan Group. These rocks are intruded by a small late Cretaceous hornblende diorite stock. The Mine Zone is a 110°-120° striking shear which dips south in a series of steps.

Galena, sphalerite, tetrahedrite, chalcopyrite, pyrite and pyrrhotite usually occur on the hanging wall of a quartz vein over widths of 0.3 to 1.5 metres. Silver values range up to several hundred oz/t.

The Plateau Zone, some 800 m east and apparently on strike from the Mine Zone, consists of a 20-30m wide shear zone in argillite at the contact with acid volcanics. Gold values are erratic within the shear. Pyrite ranges from fine grained disseminated to massive, to locally coarse grained.

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

The property is located on "Saddle Mountain", 2 km north-east of Lumby and some 24 km east of Vernon. The important economic mineralization on the property is concentrated in two zones: the Mine Zone, the site of the old Lumby Mine, and the Plateau Zone 800 m east along strike from the upper workings of the mine.

A mineralized shear zone was discovered in the early 1960's in the course of logging operations. The Chaput 1-24 claims were staked over the showings by W. and E. Chaput.

F.K. Explorations Ltd. carried out development work in 1968 and 1969. Two adits totalling 240 feet were driven in 1968. The upper adit, 200 feet long, was driven on a quartz vein for 125 feet. Ore was cobbled and shipped to Trail. A third adit was started in 1969 and a total of 650 feet of drift and sublevels was driven on the quartz vein. Ore was cobbled and shipped to Trail. A small mill consisting of a crusher, pulverizer, and a Wilfley table was constructed, and operated intermittently.

Alberta Gypsum Ltd. optioned the property from W. and E. Chaput and S. Kostjuk in 1971. Geological, geophysical, and geochemical surveys were carried out. Reserves were reported at approximately 10,000 tons, no grade stated (Northern Miner, Oct. 28, 1971). The company built a 50 ton-per-day mill near Lumby in 1972. Trenching was reported on the property in 1974 and 1975. Some ore was milled in 1976 under the name "Saddle Mountain Resources".

Coast Interior Ventures Ltd., of which the Chaput family are principals, carried out 417 metres of diamond drilling in 5 holes in 1977.

Quinto Mining Corporation purchased the property in 1983. Work in 1984 included a VLF-EM survey, which indicated a 4,500' long anomaly, and a geochemical survey. Trenching on the anomaly exposed a mineralized shear zone (Plateau Zone); two drill holes returned significant Au-Ag values. Based on these results the property was expanded from 1,500 acres to 6,500 acres. A mill of potential 50-175 tons per day was purchased. Diamond drilling in the Mine zone in 2 holes indicated isolated pockets of high-grade silver but due to its scattered nature emphasis was shifted to the Plateau zone.

see Card 2 ....

513331

Associated minerals or products - Silver, lead, zinc,  
Minéraux ou produits associés

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

During 1968-69, 1,694 tons of ore were shipped from this property. From this ore 34 ounces of gold, 47,683 ounces of silver, 130,635 pounds of lead, and 99,575 pounds of zinc were recovered.

From 6 tons (mill salvage) shipped in 1973, 262 ounces of silver, 477 pounds of lead, and 432 pounds of zinc were recovered.

During 1976, 454 tonnes of ore were milled. From this ore .156 kg gold, 206.057 kg silver, 654 kg copper, 12 746 kg lead, and 5 485 kg zinc were recovered.

REFERENCES/BIBLIOGRAPHIE

Report of Minister of Mines, British Columbia: 1968, p. 222.

Mineral Policy Sector; Corporation Files: "Alberta Gypsum Ltd."; "Greyhawk Resources Ltd."; "Wilcrest Resources Ltd."

Mines Branch, Ottawa; Investigations in Ore Dressing and Metallurgy; 1972, Investigation Report 72-5.

Geology, Exploration, and Mining, British Columbia Dept. of Mines: 1969, p. 298; 1974, p. 90; 1975, p. E-53; 1978, p. E-96.

Mining in British Columbia; BCDM: 1978-1980, p. 40.

+Kuran, D.L.; Report on the Lumby Project, Phase 2 Program, Sept. 5, 1986, in Greyhawk Resources Ltd Statement of Material Facts, Dec. 19, 1986.

George Cross News Letters: 1984, No. 72, 115; 1985, No. 165, 177, 187; 1986, No. 57; 1987, No. 3.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1059 A, Vernon, (Geol.), Sc. 1":4 miles - accomp. Memoir 296, Geol. Surv. of Canada (1960).

Open File 637, (Geol.), Sc. 1:250,000, Geol. Surv. of Canada, 1979.

#Saddle Mountain, (Geol. & Claims), Fig. 4, Report by Kuran, 1986.

Map 8502 G, Shuswap Falls, (Aeromag.), Sc. 1:50,000.

\*Map 82 L/7, Shuswap Falls, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR	DMacR	DMacR				
Date Date	10-78	02-82	02-87				

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NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ

CHAPUT (LUMBY)

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

Greyhawk Resources Ltd in 1985 optioned a 50% interest in the property from Quinto. In Aug.-Sept. the company carried out 2,520' of reverse circulation drilling in 10 holes and 283' of diamond drilling in one hole, all on the Plateau zone.

Willcrest Resources Ltd in 1985 sub-optioned a 25% interest from Greyhawk. Work by Willcrest in Oct.-Dec. 1985 included a VLF-EM-16 Survey which indicated four moderate to strong conductors. Drilling was done in 8 holes (1 044 m) on the Plateau zone and 5 holes (352 m) on the Mine zone. A phase 2 drilling program in 1986 totalled 2 700 m in 22 holes. Phase 3 work carried out in Sept.-Dec. 1986 included airborne VLF EM and magnetometer surveys, a geochemical soil survey (3,000 samples), trenching and 961 m of diamond drilling in 10 holes, including 3 in the Mine zone.

Drill indicated geologically probable reserves were reported as 379,502 tons at 0.098 oz/t Au using a 13' width and a 0.05 oz/t Au cut-off (Kuran, D.L., Report on the Lumby Project, Sept. 5, 1986, in Greyhawk Resources Ltd Statement of Material Facts, Dec. 19, 1986).