

PRODUCT PRODUIT	LEAD	PROVINCE OR TERRITORY	PROVINCE OU TERRITOIRE	British Columbia	N.T.S. AREA 82 M/4 RÉGION DU S.N.R.C.	REF. PB 2 RÉF.
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NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

SPAR 1 (EX, EX 1), ELK 5 FR.

OBJECT LOCATED - Elk No. 5 Fr. (Lot 5438).
OBJET LOCALISÉ

UNCERTAINTY 300 m
FACTEUR D'INCERTITUDE

Lat. 51°03'35" Long. 119°32'45"

Mining Division Kamloops District
Division minière District

County Kamloops 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 area is underlain by a thick assemblage of metamorphic rocks of probable Paleozoic or earlier age. The principal rock types in evidence are dark grey and brown phyllite, sericitic schist and greenstone schist, sericitic quartzite and limy phyllite. For the most part these bedded metamorphic rocks strike northeast and dip 10-40 degrees northwest. The metamorphic rocks are cut by fairly small dykes of fine-grained diorite and in a few places by dyke-like bodies of granite porphyry. Mineralization on the EX property occurs as a selective replacement of certain beds and is controlled by and concentrated along folds or crumpled zones in the enclosing sericitic phyllite sequence. Diamond drilling indicated three superimposed monoclinical type mineralized zones averaging 10 feet thick at their crests and gradually thinning in both directions. An open cut has exposed the crest of the upper zone. Drilling has outlined a central zone 10 feet lower and a third conformable lower zone at a further 20 feet of depth. These replacement zones are stated to have lengths exceeding 200 feet. The mineralization includes pyrite, pyrrhotite, sphalerite, and galena.

Associated minerals or products - Zinc, silver.
Minéraux ou produits associés

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

The showings are located at approximately 5,500 feet elevation on the west side of Nikwikaia (Gold) Creek, on Adams Plateau, some 45 miles northeast of Kamloops.

A number of occurrences on Adams Plateau were reportedly known to the Bischoff Bros. from the 1920's, however, no record has been found as to when the EX showings were discovered and staked. Activity by Cominco Ltd. on the nearby Mosquito King group (82 M/4, AG 2) in 1949 heightened interest in the area.

Westville Mines Limited in 1949 acquired 28 claims and 3 Fractions surrounding the EX No. 1 claim, which was owned by the Bischoff Bros. Prospecting and trenching by the company in 1949 located showings on the adjacent Elk 5 and Elk 8 Fractional claims. The company carried out further prospecting in 1950. Bischoff Bros. shipped ore from open cuts on the EX No. 1 claim in 1952.

Trans-Mountain Mines Ltd. in 1953 optioned the EX group, comprising the EX No. 1 and 15 other recorded claims from the Bischoff Bros. Some ore was mined from a small open pit and a magnetometer survey and 2,500 feet of diamond drilling in 31 holes was carried out. Additional ore was shipped in 1955.

Plateau Metals Limited was incorporated in 1951 by Christopher Riley and associates to acquire the Elk 5 and Elk 8 fractions and other claims from Westville Mines Limited. Additional staking was done by Plateau. In 1953 some of the above claims were optioned to New Jersey Zinc Exploration Company (Canada) Ltd. Some exploration work was carried out before the option was allowed to lapse. In 1955 Plateau optioned 10 claims from the Bischoff Bros. After some development work this option was allowed to lapse. Plateau carried out geological and geophysical surveys in 1958. Late in the year 48 claims were optioned to a group of mining companies operating under the name "northern syndicate". Some \$50,000 was reportedly spent on exploration before the option was allowed to lapse. McIntyre-Porcupine Mines, Limited optioned 43 claims from Plateau in 1960. Some surface exploration was carried out before the option was abandoned. By the end of 1960 all the claims held by Plateau had lapsed with the exception of 10 located claims and the

see Card 2

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

From 1952 to 1955, 303 tons of ore were shipped from this property. From this ore 12 ounces of gold, 5,074 ounces of silver, 159,082 pounds of lead, and 28,593 pounds of zinc were recovered.

A shipment of 220 tons of ore in 1973, listed under the names Mosquito King, EX, is here arbitrarily credited to the EX. From this ore 726 ounces of silver, 17,453 pounds of lead, 13,386 pounds of zinc, and 93 pounds of cadmium were recovered.

In 1976, 181 tonnes of crude ore were shipped from this property. From this ore .062 Kg gold, 91.567 Kg silver, 291 Kg copper, 5,667 Kg lead, and 2,438 Kg zinc were recovered.

REFERENCES/BIBLIOGRAPHIE

Reports of Minister of Mines, British Columbia:
1949, pp. 134, 136; 1952, p. 41; 1953, pp. 44, 102⁺; 1955, p. A 47; 1958, p. 72; 1967, p. 134.

Geology, Exploration and Mining; British Columbia Dept. of Mines: 1970, p. 317; 1971, p. 436; 1972, p. 85; 1974, p. 96; 1976, p. E 60; 1977, p. E 90.

Zachanko, V.; General Report on Giant Metallics Mines - in Giant Metallics Mines Limited Statement of Material Facts, May 17, 1971.

⁺⁺Hainsworth, W.G.; Report on Giant Metallics Mines, Adams Plateau - in Consolidated Giant Metallics Ltd. Statement of Material Facts, July 13, 1973.

Mineral Policy Sector; Corporation Files: "Jetcan Limited"; "Plateau Metals Limited"; "Consolidated Giant Metallics Ltd."; "Quintaine Resources Inc."; "Hesca Resources Corporation Ltd."; "Orell Resources Ltd."

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 48-1963, Adams Lake, (Geol.), Sc. 1":4 miles.

Plan of geology, showings, and claim groups, southern half of Adams Plateau, Fig. 12, Report of Minister of Mines, British Columbia, 1949, p. 133.

#Map 82 M/4 E, Adams Plateau, (Topo.), Sc. 1:50,000.

Map 5320 G, Adams Plateau, (Aeromag.), Sc. 1":1 mile. (1968).

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR	DMacR	DMacR	DMacR			
Date Date	01-78	08-79	07-81	02-86			

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NAME OF PROPERTY NOM DE LA PROPRIÉTÉ		SPAR 1 (EX, EX 1), ELK 5 FR.			<p data-bbox="1074 156 2083 223">HISTORY OF EXPLORATION AND DEVELOPMENT (continued) HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR</p> <p data-bbox="1074 239 2083 371">two Crown-grants, Elk 5 Fr. (Lot 5438) and Elk 8 Fr. (5439). Utica Mines Ltd. in 1961 acquired an option to purchase these claims, however, no work was reported and the claims reverted to Plateau.</p> <p data-bbox="1074 371 2083 718">Giant Metallics Mines Limited in 1965 optioned the Elk 5 and Elk 8 fractions from Plateau and acquired about 150 located claims including the EX group and the nearby Mosquito King showings. A geochemical survey was carried out in 1966 along with drilling on EX No. 1 claim. During 1967 a program of geological mapping, gravity and electromagnetic surveys, and 3,000 feet of diamond drilling in 11 holes was carried out over the combined properties. The Elk 5 and Elk 8 Fractions were purchased from Plateau in Oct. 1969. Further work in 1970 included an electromagnetic survey over 22,170 feet of line on the EX, EX 1, C 1, Spar and F claims.</p> <p data-bbox="1074 718 2083 883">Indicated reserves were estimated in 1971 at 19,000 tons averaging 10 ounces silver per ton, 15% lead, and 10% zinc. (Zachanko, V., Report on Giant Metallics Mines - in Giant Metallics Statement of Material Facts, May 1971, p. 13). The company name was changed to Consolidated Giant Metallics Ltd.</p> <p data-bbox="1074 883 2083 1148">The EX No. 1 group, comprising the Spar 1 and Spar 2 claims, was owned in 1974 by George Kachuk of Salmon Arm, and associates. The owners incorporated Pamex Mining Ltd. in November 1975 to acquire the property. During 1976-77 the claims were under option to Hesca Resources Corporation Ltd. Diamond drilling was done in 16 holes totalling about 530 metres and a small ore shipment made; the option was subsequently dropped.</p> <p data-bbox="1074 1148 2083 1462">The company name (Pamex) was changed in May 1978 to Quintaine Resources Inc. During 1980 Orell Resources Ltd. was negotiating a lease on the Spar No. 1 and 2 claims. By an option agreement of June 1980 Orell acquired the Elk 5 and Elk 8 fractions from Ernest Empey of Cache Creek. Drill indicated reserves were reported (J.M. Black, 1983), as 12,300 tons at 4.83% Zn, 10.56% Pb, 6.03 oz/t Ag (Killick Gold Company Ltd, Statement of Material Facts 28/01/85), the company name (Orell) was changed in July 1984 to Killick Gold Company Ltd.</p> <p data-bbox="1074 1462 2083 1607">The property and adjacent ground was optioned to Noranda Exploration Company, Limited in December 1983. Work over the larger property in 1984-85 included airborne and ground geophysical surveys and geochemical soil surveys.</p>		