

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

DRIFTPILE CREEK (D, P)

OBJECT LOCATED - showing, NW side of creek.
OBJET LOCALISÉ

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| UNCERTAINTY 2,000 m FACTEUR D'INCERTITUDE | Lat. 58°04'30" | Long. 125°54' |
| Mining Division Liard Division minière | District District | Peace River |
| 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

Several stratiform lead-zinc horizons occur in siliceous shales of the Devonian Gunsteel Formation. The Devonian section is extensively folded and faulted in this area and some of the mineralized horizons may represent fault repeats. Mineralization varies from coarse bedded barite with minor sulphide content to massive, poorly bedded pyrite, sphalerite and galena. Mineralization can be traced for a strike length of 2 km. The best drill intersection during the 1978 program averaged 9.05% lead and 3.53% zinc over 8.1 metres.

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

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

The property straddles Driftpile Creek, a tributary of the Kechika River, some 60 miles south of Muncho Lake and 130 miles southwest of Fort Nelson.

The first major regional exploration in the area was a geochemical survey by Geophoto Consultants in 1970 for a syndicate comprised of Pembina Pipe Line Ltd., Sun Oil Company Limited, and General Crude Oil Company, Northern Ltd. The Driftpile Creek showings were discovered in 1973 by Canex Placer Limited in prospecting the geochemical anomalies of the 1970 survey under a joint venture agreement with the syndicate. The D 1-54, P 1-54, G 1-40, and Goof 1-5 claims and fractions were staked in the area. Work during 1974-75 included geological mapping, VLF electromagnetic and magnetometer surveys over 23.17 km, geochemical soil surveys (1,824 samples), and trenching. Canex Placer Limited was dissolved in December 1977 and the property transferred to the parent company, Placer Development Limited.

The Gata joint venture, comprised of Welcome North Mines Ltd., Castlemaine Explorations Ltd., Aquitaine Company of Canada Ltd., Chevron Canada Limited, and Getty Mining Pacific, Limited by a July 1978 agreement with Placer Development Limited, General Crude Oil Company, and Pembina Pipe Line Ltd. acquired an option on a 50% interest in the Driftpile Creek property. Work during 1978, carried out by Welcome North, included electromagnetic and geochemical soil and rock surveys, trenching, and diamond drilling in 9 holes totalling 1,016 m. An additional 21 holes totalling 2,417 m were drilled in 1979. Shallow drilling in eleven areas indicated reserves of approximately 20,000,000 tons averaging 2.38% combined lead-zinc (Canadian Mines Handbook 1980-81, p. 280).

The Gata joint venture continued drilling into 1982 for a total of 54 holes, thereby earning a 50% interest in the property. The Getty Mining Pacific interest was transferred to Getty Mines, Limited. In November 1981 Aquitaine, which had been acquired by the Federal Government's Canada Development Corporation, changed its name to Canterra Energy Ltd. The mineral interests formerly held by Aquitaine were transferred to Canada Development Corporation's wholly owned Kidd Creek Mines Ltd.

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HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

REFERENCES/BIBLIOGRAPHIE

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1974, p. 317; 1975, p. E 171; 1978, p. E 249.

Geological Fieldwork, British Columbia Dept. of Mines: 1979, pp. 55-64⁺; 1982, p. 155.

Mineral Policy Sector; Corporation Files: "Welcome North Mines Ltd."; "Aquitaine Company of Canada Ltd.".

MacIntyre, D.G.; Geologic setting of recently discovered stratiform barite-sulphide deposits in northeast British Columbia; CIM Bulletin, April 1982, pp. 99-113.

Cathro, R.J. and Carne, R.C.; Sedimentary exhalative (sedex) zinc-lead-silver deposits, northern Canadian Cordillera; CIM Bulletin, April 1982, p. 73.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1343 A, Tuchodi Lakes, (Geol.), Sc. 1:125,000 - accomp. Memoir 373, Geol. Surv. of Canada.

#Geology of the Driftpile Creek district, Sc. 1 cm:2.8 km (approx.), Fig. 16, Geological Fieldwork 1979, p. 58, British Columbia Dept. of Mines.

General geology and drill hole locations, Sc. 0.79 cm:100 m, Fig. 50, Geological Fieldwork, 1982, p. 154.

*Map 94 K, Tuchodi Lakes, (Topo.), Sc. 1:250,000.

REMARKS/REMARQUES

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| Comp./Rev. By Comp./rév. par | DMacR | | | | | | |
| Date Date | 07-83 | | | | | | |