

**NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ**

AL

OBJECT LOCATED Thesis zone
OBJET LOCALISÉ

UNCERTAINTY 300 m
FACTEUR D'INCERTITUDE

Lat. 57°28'10" Long. 127°22'40"

Mining Division Liard
Division minière

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

Host rocks are lower to mid Jurassic volcanics ranging from andesite to dacite, or latitic ash flows, air-fall tuffs, and flows. All deposits lie along fault systems which host the associated alteration and gold mineralization. The gold mineralization is primarily associated with replacements of quartz-barite and quartz-hematite. It also occurs in drusy barite-quartz veins. Silicified zones carry widespread low-grade gold values.

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

The property is located in the Toodoggone River area some 300 km north of Smithers. Gold showings found during early work on the property, and named the Thesis III, BV, Ridge, Verreness, Bonanza and Hump zones, are all located within a 4 km by 3 km area.

Energex Minerals Ltd. in May 1979 optioned from T. Cameron Scott, of Vancouver, the AL 1-8 claims (72 units). Exploration started as a result of one anomalous geochemical soil sample from a regional survey. Texasgulf Canada Ltd. optioned an 80 % interest in the property in April 1980; the company name was changed in November 1981 to Kidd Creek Mines Ltd., a Delaware incorporation. Texasgulf was acquired in June 1981 by Canada Development Corporation (CDC) which at that time was 87.7 % owned by the Government of Canada. CDC transferred the property to Kidd Creek Mines Ltd., a Canadian incorporation which was formed August 31, 1984. Work in the 1980-84 period included extensive geochemical soil and rock chip surveys, trenching and diamond drilling.

Energex Minerals Ltd. in November 1984 re-acquired a 100 % working interest subject to a 15 % net profit royalty interest to Kidd Creek Mines and 5 % to the vendor. Work in 1985-86 included further geophysical and geochemical surveys and a major program of backhoe trenching and diamond drilling. A 6 ton-per-day pilot mill operated in August-September 1986 on bulk samples mainly from the Thesis III zone. Feasibility studies were in progress in 1987 along with extensive drilling to determine the open pit potential of the Thesis, BV and Bonanza zones. Work to the end of 1987 totalled over 55 000 feet of diamond drilling and 70 000 feet of trenching. Un-diluted mineable proven open pit reserves were reported to be 304 000 tons at 0.33 oz/t Au. Drill proven in situ reserves for the Bonanza, Thesis and BV zones were reported as 809 000 tons at 0.175 oz/t Au. Reserves in all categories for all known deposits were calculated to be 1 900 000 tons at 0.157 oz/t Au (Energex Minerals Third Quarter Report, 29/02/88). The Omineca Resource Road was extended to within 20 km of the property in 1987.

The feasibility study was expanded in early 1988 to evaluate a combined seasonal heap leaching operation with the conventional milling of high grade ore.

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Geological Fieldwork, British Columbia Dept. of Mines:
 1980, p. 127; 1982, pp. 125, 130; 1984, p. 295+; 1985,
 p. 171; 1986, p. 111.

Exploration in British Columbia; BCDM: 1980, p. 427; 1982,
 pp. 336, 337; 1983, p. 485; 1984, p. 353; 1985, pp. A20,
 A51, C355; 1986, pp. A12, A20, A44, C403; 1987, p. A13.

Mineral Policy Sector; Corporation Files: "Kidd Creek Mines
 Ltd."; "Energex Minerals Ltd."

George Cross News Letters: 1985, No. 129, 137, 141, 144, 154,
 158, 166; 1986, No. 22, 139, 149, 162, 169, 206, 217;
 1987, No. 19, 79, 86, 137, 145, 150, 154, 167, 170, 174,
 182, 199; 1988, No. 83, 103, 135.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Open File 483, Toodoggone & Ware, (Geol.), Sc. 1: 250000,
 Geol. Surv. of Canada, 1977.

#Geology of the A1 property, Sc. .85 cm: 500 m, Figure 24-3,
 Geological Fieldwork, 1985, p. 172, BCDM.

Preliminary Map 61, Geology of the Toodoggone River Area,
 Sc. 1: 50 000, BC Dept. of Mines, 1985.

*Map 94 E/6, Moosehorn Creek, (Topo.), Sc. 1: 50 000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR	DMacR					
Date Date	04-85	08-88					