

NAME OF PROPERTY NOM DE LA PROPRIÉTÉ	CIRQUE
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OBJECT LOCATED - Deposit. OBJET LOCALISÉ			
UNCERTAINTY 500 m FACTEUR D'INCERTITUDE	Lat. 57°30'40"	Long. 125°09'	
Mining Division Division minière	Omineca	District District	Cassiar
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 Cirque deposit is contained within a thrust panel of Devonian sediments of the Gunsteel Formation. Stratiform massive barite overlies ribbon-banded black graphitic chert and shale and is overlain by thick-bedded pyritic siliceous argillite. Shallow drilling in 1978 encountered a relatively low-grade deposit ranging from 3 to 25 m in thickness. Deeper drilling in 1979 revealed a rapid increase in grade and a general thickening down-dip into a tabular body about 60 m thick. Mineralization typically consists of galena, sphalerite and minor pyrite disseminated in fine-grained, thin- to medium-bedded grey barite with minor shale interbeds.

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

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

The property is located near the headwaters of the Paul River, between the Kwadacha and Akie Rivers, some 40 miles north-northwest of the north end of Williston Lake.

A joint venture regional exploration program of geochemistry and geological mapping by Cyprus Anvil Mining Corporation (50%) and Hudson's Bay Oil and Gas Company Limited (50%) led to the staking of the Cirque 1-14 claims (approximately 155 units) in July 1977; the discovery was a visual find in the course of geochemical surveys. Electro-magnetic and geochemical soil and silt surveys (1,950 samples) in 1978 outlined a coincident lead-zinc soil anomaly over 2 km in length. Diamond drilling in 1978-79 totalled 8 848 metres in 30 holes. Further drilling in 1980 increased drill indicated reserves to 33,000,000 tons at 2.2% lead, 7.8% zinc, 1.5 oz/t silver, with an additional geologic reserve of 7 million tons (Hudson's Bay Oil and Gas, 1980 Annual Report). Drilling in 1981 confirmed a 40 million tonne deposit (Financial Post, Nov. 14, 1981). An 80 km access road from Williston Lake was completed in 1981.

In July-August 1981 Hudson's Bay purchased a 100% interest in Cyprus Anvil Mining Corporation. Dome Petroleum Limited during 1981-82 purchased a 100% interest in Hudson's Bay and simultaneously sold about 34% of this interest to associates Dome Canada Limited, Trans Canada Pipelines Limited and Dow Chemical Canada Inc. in effect making Hudson's Bay Oil and Gas Company Limited an indirectly wholly owned subsidiary of Dome Petroleum Limited.

Surface drilling on the deposit was completed in 1982 but plans for underground exploration were postponed indefinitely.

In 1985, Curragh Resources Inc. purchased the deposit. Trans Canada Pipeline were a minority partner. In 1989, Asturia de Zinc, S.A. purchased 15% interest. A decline was driven in 1989 and bulk testing was started.

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Geology, Exploration, and Mining; British Columbia
Dept. of Mines: 1978, p. E 247.

Geological Fieldwork, British Columbia Dept. of Mines:
1979, pp. 69-73+.

Mineral Policy Sector; Corporation Files: "Cyprus
Anvil Mining Corporation"; "Hudson's Bay Oil and
Gas Company Limited"; "Curragh Resources Inc.".

Western Miner, February 1983, p. 15.

Carne, R.C. and Cathro, R.J.; Sedimentary exhalative
zinc-lead-silver deposits, northern Canadian
Cordillera; CIM Bulletin April 1982, p. 74.

MacIntyre, D.G.; Geologic setting of recently discovered
stratiform barite-sulphide deposits in northeastern
British Columbia; CIM Bulletin April 1982, p. 105.

Pigage, L.C.; Geology of the Cirque barite-zinc-lead-silver
deposits, northeastern British Columbia in Mineral
Deposits of Northern Cordillera, C.I.M. Special Volume
37, pp. 71-86, 1986.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 207 A, Finlay River Area, (Geol.), Sc. 1":8 miles - accomp.
Summary Report 1927, Pt. A., Geol. Surv. of Canada.

Map 94 F W, Toodoggone & Ware, Sc. 1:250,000, Geol. Surv. of
Canada, Open File 483, 1977.

#Geology of the Akie River district, Figs. 17 and 20, Geological
Fieldwork 1979, British Columbia Dept. of Mines.

*Map 94 F, Ware, (Topo.), Sc. 1:250,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR	JL					
Date Date	08-83	10-90					