

PRODUCT NICKEL  
PRODUIT

PROVINCE OR PROVINCE OU British Columbia  
TERRITORY TERRITOIRE

N.T.S. AREA 104 J/13  
RÉGION DU S.N.R.C.

REF. NI 1  
RÉF.

NAME OF PROPERTY OPAL LAKE, TEDIDEECH LAKE, KING NICKEL  
NOM DE LA PROPRIÉTÉ

OBJECT LOCATED - showing.  
OBJET LOCALISÉ

UNCERTAINTY 1,000 m Lat. 58°47' Long. 131°48'40"  
FACTEUR D'INCERTITUDE Lat. Long.

Mining Division Atlin  
Division minière

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 showings lie in a belt of sheared serpentine and greenstone, close to a regional northwest trending fault zone. Small faults and fractures transverse to the regional strike are opalized and locally contain concentrations of millerite. The ore has a brecciated, mottled appearance and ranges in colour from white to green, grey, and black. The breccia fragments are composed largely of magnesite and opal. Quartz provides the matrix and also forms veinlets which cut the opal and magnesite. The most abundant sulphides are pyrite, marcasite, and millerite. The millerite occurs largely as microscopic needle-like crystals. Much of the millerite is disseminated in the quartz, frequently in long sinuous bands parallel to the margins of the quartz veins. Millerite is also disseminated throughout the masses of pyrite and marcasite. A sample of the ore, sent to the Mines Branch, Ottawa, assayed 0.96% nickel. Copper reportedly occurs near where the fault zone crosses the Nahlin River. (See 104 J/13, Cu 2).

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

These showings are located in the vicinity of the Nahlin River some 60 miles west of the north end of Dease Lake.

The discovery was made by prospector Sigmund Muldal late in 1954. The following year he returned, further prospected the area, and staked a few claims on the main showings. In 1956 Muldal and his party returned to stake 56 claims for Canadian Explorers Ltd. in the Tagoon Silver, Web, Opal, Nor, Jim, and Windfall groups, extending northwesterly from Opal Lake for about 5½ miles. Later in the year numerous other properties were staked along the fault zone, extending from southeast of Tedidéech Lake northwesterly across the Nahlin River, a distance of some 30 miles.

Work by Canadian Explorers Limited during 1956-1957 consisted of about 1,000 feet of open cutting and 1,290 feet of diamond drilling.

Moneta Porcupine Mines, Limited, in association with Cominex Corporation Limited, located 24 claims east of and adjoining the Canadian Explorers ground. Some diamond drilling was done by the company before the claims were dropped in 1957.

The British Yukon Exploration Company Limited staked claims towards both the southeast and northwest extremities of the fault zone. Newkirk Mining Corporation Limited staked 64 claims on the southwest extension of the fault zone. Conwest Exploration Company Limited staked a strip of ground adjoining the above mentioned properties on the southwest. Silver Standard Mines Limited staked the King Nickel group of 44 claims on strike to the northwest of Canadian Explorers ground. Assessment work was reported and the claims were abandoned in 1958 after exploration work by other companies on adjoining properties proved disappointing.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

REFERENCES/BIBLIOGRAPHIE

Annual Reports, Dept. of Mines, B.C.: 1957, p. 5.

Mines Branch, Ottawa; Investigation No. MD 3186;  
 Flotation Tests on a Sample of Nickel Ore from a  
 Property of Canadian Explorers Limited, Located in  
 Northern British Columbia; Reports of the Mineral  
 Dressing and Process Metallurgy Division, 1957.

Mineral Policy Sector; Corporation Files: "Canadian  
 Explorers Limited"; "Moneta Porcupine Mines, Limited";  
 "Silver Standard Mines Ltd."

Opal Lake Nickel Staking; Western Miner & Oil Review,  
 October 1956, pp. 132-135.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 21-1962, Dease Lake, B.C., (Geol.), Sc. 1":4 miles.  
 Map 104 J/13, Prairie Lake, B.C., (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	10-67	08-74					