

PRODUCT NICKEL
PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE British Columbia

N.T.S. AREA 82 E/3
RÉGION DU S.N.R.C.

REF. NI 1
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ OLD NICK

OBJECT LOCATED - West end of showing.
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 49°2.7'
Lat.

Long. 119°6.6'
Long.

Mining Division Greenwood
Division minière

District
District

Similkameen

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

A large area of altered rock changes eastward and southward to schists, phyllites, and metagreywackes of the Permian and/or Triassic Anarchist Group. Within the altered rock are small patches of chlorite-mica phillite, mica hornfels, and hornblende-plagioclase schist. A large dunite dyke cuts the altered rock and extends eastward for a further 2,200 feet, and is as much as 250 feet wide. The altered area is traversed by several shear zones striking N10° to 15° east. Adjacent to these the altered rock is brecciated and the dunite is altered to a mass of serpentine 15 to 20 feet wide. The altered rock is fine grained, hard, and consists largely of tremolite containing closely spaced narrow dark bands about 1 millimetre thick of epidote, zoisite, and clinozoisite. Quartz is both sparingly disseminated and present as small lenses and veinlets in the tremolite rock. The altered dunite dyke is a dense black rock containing seams of white to green serpentine. The alteration minerals include magnetite, brown chrysotile, antigorite, serpophite, chlorite, and tremolite. Nickel occurs with pyrrhotite that is disseminated through both the tremolite

see Card 2

Associated minerals or products - Copper.
Minéraux ou produits associés

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

The mineralized area is located on the south side of Rock Creek about 1½ miles east of Bridesville, between the creek and the abandoned Great Northern Railway grade. The showings extend for ½ mile east from a shallow shaft and short adit due south of the confluence of Baker Creek with Rock Creek. No information has been found regarding the shallow shaft and short adit or the initial staking of the property. Utica Mines Ltd. in 1966 optioned the old Nick 1-4 claims, held in the name of Estey Agencies Ltd., Vancouver, from Brian Fenwick-Wilson. Additional staking was done to bring the property to about 120 claims. Later in the year a half interest in the option was granted to Copper Ridge Mines Ltd. Work by Copper Ridge during 1967 included drilling in 35 percussion holes totalling 4,156 feet and 5 diamond drill holes totalling 2,911 feet. Under the terms of the option agreement with Utica a new company, Copica Mines Ltd. was incorporated in March 1967 to hold the property. Utica acquired a 10% interest in the company. The company name (Copica) was changed in May 1967 to Nickel Ridge Mines Ltd.

Newmont Mining Corporation of Canada Limited held an option on the property during 1968 and carried out geological mapping, geochemical soil and stream sediment sampling, airborne and ground magnetometer surveys, and trenching. This work indicated the mineralization extends over an area of about 4,800 feet by 400 feet.

Arctic Gold & Silver Mines Limited acquired the property in about September 1969. Tests on bacterial leaching were carried out by the British Columbia Research Council in 1971. "The tonnage of the mineralized area is estimated at over 100 million tons. The grade of the deposit averages 0.22% nickel" (Investigation Report 71-34, Mines Branch, Ottawa).

The Old Nick and UR groups, comprising 57 claims, were held by Northern Deep Level Mines Limited in 1972. Magnetometer and geochemical surveys were carried out. Ayerok Petroleum Ltd. acquired the property (114 units) in about 1979. Work in 1980 and 1982 included airborne and ground magnetometer and electromagnetic surveys and geochemical soil surveys (1,150 samples).

(con't card 2)

Eastwood, G.E.P.; Old Nick; Report of Minister of Mines, British Columbia, 1968, pp. 225, 226.

Reports of Minister of Mines, British Columbia: 1966, p. 192; 1967, p. 224.

Mineral Policy Sector; Corporation Files: "Dankoe Mines Ltd."; "Copper Ridge Mines Ltd."; "Arctic Gold & Silver Mines Limited"; "Ayerok Petroleum Ltd."

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1972, p. 38.

Mines Branch, Ottawa; Investigations in Ore Dressing and Metallurgy; Investigation Report 71-34.

Gerhard, E.S.; The Old Nick Prospect, M.Sc. Thesis, University of Manitoba, 1971.

Exploration in British Columbia; British Columbia Dept. of Mines: 1980, p. 24; 1982, p. 29; 1984, p. 12; 1985, p. C13; 1986, p. C21.

Mark, D.G.; Geophysical Report on Nickel claims, in Ayerok Petroleum Ltd Statement of Material Facts, No. 6-81.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 15-1961, Kettle River, (Geol.), Sc. 1":4 miles.

Map 82 E/3 E, Osoyoos, (Topo.), Sc. 1:50,000.

Claim map, Old Nick area, in Nickling Resources Inc Statement of Material Facts No. 17/85.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par		DMacR	DMacR	DMacR			
Date Date	01-72	10-80	01-86	03-88			

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DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT (continued)

rock and the altered dunite dyke. In the tremolite rock the pyrrhotite occurs preferentially in and near the dark bands; smaller amounts occur along grain boundaries in quartz lenses. Pyrite and locally chalcopyrite accompany the pyrrhotite in the tremolite rock. In the altered dunite, pyrrhotite is rather closely associated with magnetite. A composite sample, comprising chips from seven points within the altered area assayed 0.23% nickel.

HISTORY OF EXPLORATION AND DEVELOPMENT (con't)

HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

The property held in 1984 as the Mission 1 claim. British Challenger Mining Corporation as operator in 1984-85 carried out geochemical surveys comprising 49 soil and 15 rock chip samples; one rock chip sample assayed 0.09 oz/t gold.

Nickling Resources Inc. as operator in 1986 carried out magnetometer and VLF electromagnetic surveys over 18 km, with inconclusive results.