

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

VERNON, DONNA

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Mining Division <i>Division minière</i>	Omineca	District <i>District</i>	Cassiar
County <i>Comté</i>		Township or Parish <i>Canton ou paroisse</i>	
Lot		Concession or Range <i>Concession ou rang</i>	
Sec <i>Sect.</i>	Tp. <i>Ct.</i>		R. <i>R.</i>

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The country rock is part of the bottom massive limestone member of the Carboniferous or Permian Cache Creek group. In the few outcrops of this vicinity the formation strikes N12 to 35°W with a 30 to 50° dip westward. A few small faults of random attitude are present. Mineralization consists of replacement of limestone by sphalerite and galena with minor quartz, calcite, and occasionally barite, all accompanied by dolomitization. The showings are in four groups - A, B, C, and E. At the A showing disseminated sphalerite and scattered irregular masses of galena sparingly replace massive dark limestone. The B showing is an area of bare limestone bluffs in which sphalerite is meagrely disseminated in the matrix of breccia over an indeterminate area. In the most southerly trench on the C showing a small northerly striking and westerly dipping fault has a 2 to 4-inch streak of solid galena along its footwall. At the E showing, sphalerite, some galena, barite, calcite, and minor pyrite is disseminated in the matrix of dolomitized limestone breccia. A sample across 24 feet of brecciated dolomite at the E showing assayed: gold, nil; silver, 0.7 ounce a ton; lead, nil; zinc, 2.1%. A random chip sample in area B assayed: gold, nil; silver, trace; lead, nil; zinc, 0.7%.

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

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

This property is located about 3 miles northeast of Nina Lake, and some 20 miles northwest of Manson Creek.

The showings were discovered by Gordon and Earnest Davies in 1951. The Vernon Nos. 1 to 20 claims were staked and some trenching done. Northwestern Explorations, Limited optioned the Vernon, Davies, and Gordon groups in 1951 and geological and geochemical work was reported by the company the following year on the Davies and Gordon groups.

The Donna, B.V.D., and Lisa groups of 81 claims apparently cover these same showings. The claims were held by Canex Aerial Exploration Ltd. in 1967. During the year a geochemical soil- and stream-sampling survey was carried out.

The Crin 1-56 claims in this vicinity were held in 1973 by Cominco Ltd. Geological mapping and a geochemical soil survey (1,095 samples) were carried out.

(Handwritten notes and stamps, including a date stamp: 27/11/73)

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

REFERENCES/BIBLIOGRAPHIE

McCammon, J.W.; Osilinka River-Nina Lake Area; Report of the Minister of Mines, British Columbia; 1952, pp. 99, 100, 106.

Reports of Minister of Mines, British Columbia: 1967, p. 119.

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1973, p. 380.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 907 A, Fort St. James, B.C., (Geol.), Sc. 1":6 miles - accomp. Memoir 252.

Preliminary Map 45-9, Manson Creek, B.C., (Geol.), Sc. 1":2 miles - accomp. Geological Survey Paper 45-9.

Map 876 A, Manson Creek, (Geol.), Sc. 1":4 miles (1946).

Map 5249 G, , (Aeromag.), Sc. 1":1 mile.

Map 93 N, Manson River, B.C., (Topo.), Sc. 1:250,000.

Map 93 N/15, Germansen Landing, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	01-67	11-68	11-76				