

NAME OF PROPERTY NIMPKISH COPPER GROUP (KINMAN) (HAZEL)
 NOM DE LA PROPRIÉTÉ (ALPHA) (A, B, C)

OBJECT LOCATED - showings.
 OBJET LOCALISÉ

UNCERTAINTY 1,000 m Lat. 50°19'58" Long. 126°50'50"
 FACTEUR D'INCERTITUDE Lat. Long.

Mining Division Nanaimo District
 Division minière District

County Township or Parish
 Comté Canton ou paroisse

Lot Concession or Range
 Lot Concession ou rang

Sec. Tp. R.
 Sect. Ct. R.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT
 Wavecom Development Ltd.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT
 The area is underlain by the Upper Triassic Quatsino Formation and the Jurassic Bonanza Subgroup. The rocks are intruded by a stock.

The formation consists of a thick bed of grey to white, medium-grained limestone underlain conformably by a series of green to greenish-black andesite and basaltic flows. The intruding granodiorite is a medium-grained grey rock and is cut by pink and brown aplite dykes. Fine to medium-grained green lamprophyre dykes cut the granodiorite, limestone, and volcanics. Locally the granodiorite appears to be in the form of a fairly flat lying sheet, underlain at no great depth by limestone.

Mineralization has been formed by replacement of the limestone at or very close to the contact of the granodiorite. Four main ore exposures have been made over a length of 3,000 feet. An open cut through the upper exposure showed it to be a body about 60 feet in diameter, 15 feet of which is solid chalcopyrite, lying on the limestone like an inverted bowl, the thickest point being 8 feet of solid ore. South of this 3,000 feet and nearly 1,000 feet vertically lower a body of

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

The property is located 4½ miles up Kinman (Lime) Creek which flows westerly into Nimpkish Lake near its southeast end. The showing was discovered by E.L. Kinman & associates of Vancouver in 1928. Considerable surface stripping was done at this time and claims were staked for about 3 miles on both sides of the creek.

The Consolidated Mining & Smelting Co. optioned the property in September 1929. A program of surface stripping, tunnelling and diamond drilling was begun in November. A large amount of open-cutting and stripping was done along and near the contact for about a mile; 175 feet of tunnel and 6,800 feet of diamond drilling was completed. The results indicated several thousand tons of high-grade copper or copper-zinc ore present in the workings, but no very large orebodies of commercial grade are indicated. The option was dropped in April 1930.

Camloc Copper Ltd. investigated the property in 1962. There was no development at that time.

In 1965 the property, known as the Hazel and Alpha group, totalling 41 claims, was owned by Empire Development Company, Limited. Work included detailed geological mapping of the mineral showings, and a dip-needle survey of an area on the Alpha Nos. 1 and 3 claims, where 3 small magnetic anomalies were located. In 1966 the Company carried out an induced polarization survey over a U-shaped block 1,600 by 7,700 feet.

In 1970 the Kinman property consisted of the Hazel and Pie groups (120 claims) owned by Juniper Mines Ltd. The property was optioned to A.D. Ross and K. Ross. Work during the year included extensive prospecting, an induced polarization survey, a geochemical soil and stream sediment survey of 500 samples, and 216 cubic feet of trenching.

In 1971 the property was acquired by Wavecom Development Ltd. as the A, B, and C group of 40 claims which included A 1 to 11, 13 to 28, B 10 to 17, and C 2, 4, 6, 8, 10. Work over the area included geological, geochemical and magnetometer surveys.

One of the zones was acquired in 1979 by Reako Explorations Ltd. and subsequently a 33% interest was obtained by Panther Mines Ltd. During 1980 about 10,000 tons of metal bearing rock was drilled, blasted and stockpiled.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT (continued)

massive chalcopyrite about 25 feet wide and 18 feet long has been exposed by open cuts and a tunnel. Between these two showings there are two large strippings disclosing bodies of chalcopyrite and zinblendé.

Assays ranged from 0.30 per cent to 13.75 per cent copper and 0.50 per cent to 9.6 per cent zinc.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1029 A, Nimpkish, Vancouver Island, (Geol.), Sc. 1":
1 mile - accomp. Mem. 272.

*Map 92 L/7, West Half, Nimpkish, (Topo.), Sc. 1:50,000.

#Mines and Mineral Occurrences of Alert Bay-Cape Scott area,
Sc. 1:250,000, Fig. 15 - accomp. Paper 74-8, Geol. Surv.
of Canada, 1974.

REMARKS/REMARQUES

REFERENCES/BIBLIOTHÈQUE

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Mineral Policy Sector; Corporation Files: "Reako Explorations Ltd."; "Panther Mines Ltd."; "Imperial Metals Corporation"; "Mar-Gold Resources Ltd."

Comp./Rev. By Comp./rév. par				LJ			
Date Date	08-64	03-74	04-75	10-75			

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