

NAME OF PROPERTY BRANDY (D) (SWEDE) (LAST CHANCE)

OBJECT LOCATED—showings.

UNCERTAINTY IN METERS 1,000. Lat. 52°42'40" Long. 131°49'35"

Mining Division Skeena District Queen Charlotte

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

Ana Lake Mining Ltd.

## DESCRIPTION OF DEPOSIT

The rocks on Swede Peninsula include massive amygdaloidal greenstones of the upper part of the Karmutsen Formation overlain by massive and thin-bedded limestones of the Kunga Formation. The peninsula appears to be bounded by block faults. The northeast fault, which is parallel with Anna Inlet, is a large one, with either the south block dropped relative to the north or a large right hand component of movement.

Mineralization is confined to the diabase flows of the Karmutsen Formation and consists of fine disseminations, blebs, hair-line veinlets and stringers of chalcopyrite and bornite. Pyrite is evident in trace amounts and the bornite appears to be primary rather than secondary. The mineralization is found scattered throughout all phases of the diabase with no obvious structural control. Disseminated sulphides show some preferential concentration in the fine-grained and epidotized phases and in flows with heavy epidots amygdules. Within the amygdules, fine kernels and blebs of chalcopyrite are observed.

The general copper content is about 0.6% with higher grade sections in excess of 1½% copper. Some samples also assayed small values in silver, gold, platinum and palladium.

Associated minerals or products of value - Silver, gold, platinum, palladium.

## HISTORY OF EXPLORATION AND DEVELOPMENT

The property includes the whole of the Swede Peninsula on the east side of Anna Inlet in Klunkwoi Bay, Moresby Island. It is located between sea level and 1,500 feet elevation.

The Swede group, consisting of 8 claims, was staked in January 1907 by Messrs. Larsen, Pearson, and Rogers. The adjoining Last Chance group, consisting of 6 claims, was staked late in 1907 by Messrs. Wintermite, McEachern, and Jones. A few open cuts were developed on the properties.

In 1908 the property was bonded to J. Wulffsohn, who by 1910 had carried out development work in 3 adits. The main adit, 80 feet above sea level, was driven for 170 feet. Another adit, 80 feet to the east and on the same level as the main adit, is a drift 32 feet in length. A third adit, at an elevation of 450 feet, was driven for 55 feet.

In 1916 The Granby Mining Company Limited carried out 1,991 feet of diamond drilling in 9 holes.

In 1951 Granby made a further reconnaissance examination of the property.

During 1956 New Jersey Zinc Explorations Company (Canada) Limited optioned the property. Exploration consisted of geological mapping, sampling, and the drilling of three diamond drill holes totalling 326 feet.

Queen Charlotte Resources Ltd. acquired the property during 1961, and carried out geological and geophysical surveys.

In 1967 Cosmic-Lode Mines Ltd. acquired the property under option from Fleetwood Resources Ltd. Work on the property, then known as the "D" claims, included 5 trenches totalling 1,000 feet and 11 diamond drill holes totalling 1,000 feet.

In the fall of 1968 the area was restaked as the Brandy group and later transferred to Ana Lake Mining Ltd. During 1969, the company conducted a program of bulk sampling of the mineral zones exposed in the adits and trenches, deepened old trenches and trenched new areas. Preliminary geological mapping and topographical surveys were carried out. X-ray diamond drilling totalling 3,023 feet was done to  
p.t.o.....

Mineral Resources Branch, Department of Energy, Mines and Resources, Ottawa.

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## HISTORY OF PRODUCTION

## REFERENCES

Brown, A. Sutherland; Geology of the Queen Charlotte Islands; Bulletin No. 54, pp. 215-216, British Columbia Dept. of Mines, 1968.

Reports of Minister of Mines, British Columbia: 1907, pp. 69-70; 1908, p. 61; 1909, pp. 71, 75, 85; 1910, p. 85; 1911, p. 77; 1912, p. 110; 1913, pp. 99, 104; 1914, p. 162; 1916, p. 87; 1918, p. 40; 1920, p. 44; 1921, p. 39; 1923, p. 43; 1925, p. 65; 1926, p. 67; 1928, pp. 65-66; 1929, p. 57; 1930, p. 64; 1956, p. 22; 1962, p. 134; 1967, p. 58.

McConnell, R.G.; Moresby Island, Summary Report, 1909, pp. 78-79, Geol. Surv. Canada.

Mineral Development Sector; Corporation Files: "Ana Lake Mining Ltd."; "New Jersey Zinc Explorations Company (Canada) Ltd.".

## MAP REFERENCES

Geology of the Queen Charlotte Islands, Sc. 1:125,000, Fig. 5, Sheet A - accomp. Bulletin No. 54.

#Sheet 103 B-C, (MI), Moresby Island, Mineral Inventory Map, Sc. 1:250,000, British Columbia Dept. of Mines, 1969.

\*Map 103 B/12 W, Darwin Sound, (Topo.), Sc. 1:50,000.

## HISTORY OF EXPLORATION AND DEVELOPMENT (continued)

obtain geological and structural information on the mineralized zones. An airborne magnetometer survey was completed in August 1969.

## REMARKS

Comp./Rev. By	LJ						
Date	6-75						

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