

NAME OF PROPERTY **CHOPPER**

OBJECT LOCATED -from Geology, Exploration, and Mining, 1971.

UNCERTAINTY IN METERS Lat. 58°07.3' Long. 125°12'

Mining Division **Liard** District **Peace River**

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The rocks on this property are Precambrian interbedded dolomite and shale of the Aida Formation overlain by slate, shale, and minor quartzite of the Gataga Formation and cut by several diabase dykes which trend approximately north 30 degrees west. These strata dip moderately to the southwest.

Copper mineralization occurs in quartz veins, which locally may also have some carbonate gangue, and is generally low grade, discontinuous, and erratically distributed. Some galena is visible in a few veins, and small amounts of lead and silver are reported in assays. The veins generally follow fractures which are also occupied by dykes. Except for a poorly mineralized 4-foot-wide vein exposed nearly continuously for more than 500 feet along a N20°E trending fault zone at the northernmost exposure, all the veins trend slightly west of north and appear to be narrow, discontinuous, and weakly mineralized.

Associated minerals or products of value

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located about 42 miles south-southwest of Summit Lake at Mile 392 on the Alaska Highway and 8.5 miles south of Churchill Peak.

Windermere Exploration Ltd. staked the Chopper 1-14 claims in 1969 as a result of a regional geochemical survey and prospecting. Work during 1970 included geological mapping, and sampling. Canadian Superior Exploration Limited optioned the property in 1971 and carried out further geological mapping; the option was terminated before the end of the year.

Windermere Exploration Ltd. in May 1972 amalgamated with Peregrine Exploration Ltd. to form Barrier Reef Resources Ltd.

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

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HISTORY OF PRODUCTION

REFERENCES

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1970, p. 47; 1971, p. 103.

Mineral Development Sector; Corporation Files: "Windermere Exploration Ltd.".

MAP REFERENCES

Geology of the Chopper claims, Figure 18, Geology, Exploration, and Mining, British Columbia Dept. of Mines, 1971.

Map 1343 A, Tuchodi Lakes, (Geol.), Sc. 1:125,000 - Accomp. Memoir 373, Geol. Surv. of Canada, 1973.

Map 94 K, Tuchodi Lakes, (Topo.), Sc. 1:250,000.

REMARKS

BCI 94K - 22-25

Comp./Rev. By	DMacR						
Date	3-74						