

NAME OF PROPERTY DA, AX (NAKINILERAK LAKE)

OBJECT LOCATED -showing.

UNCERTAINTY IN METERS 100. Lat. 55°17'15" Long. 126°14'05"

Mining Division Omineca District Cassiar

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

Noranda Mines Limited,
44 King St. W.,
Toronto, Ont.

DESCRIPTION OF DEPOSIT

The underlying rocks consist of a north-northwest striking easterly dipping succession of andesite and rhyolite tuffs and breccias, and argillites, intruded by stocks, sills, and dykes of granodioritic-biotite-feldspar porphyry. Near the central part of the property the andesite, and some acid volcanics and argillites, have been intruded by an elongated porphyry stock that appears to be more than 2,000 feet long and 1,800 feet wide. The stock is composed mainly of hornblende-biotite-feldspar porphyry of granodiorite composition. The stock is bordered on its west side by a 300- to 400-foot wide sill of similar composition which has been traced 2,500 feet in a north-northwest direction. Copper mineralization is exposed over an area 200 feet square on the extreme south end of the porphyry sill. Chalcopyrite, pyrite, and minor bornite occur as disseminations in feldspar porphyry and in 1/8-inch quartz veinlets in hornblende-biotite-feldspar porphyry and equigranular quartz diorite. A grab sample of mineralized feldspar porphyry assayed 0.35 per cent copper.

Associated minerals or products of value

HISTORY OF EXPLORATION AND DEVELOPMENT

This showing is located at the 3,400 foot elevation about 3 miles east of the north end of Nakinilerak Lake, and some 56 miles east of Hazelton.

The DA and AX groups, consisting of 54 recorded claims, were under exploration by Noranda Exploration Company, Limited, during 1964 and 1965. The work included geochemical and geophysical surveys over 15 line-miles, 4,000 feet of trenching, and diamond drilling in 6 holes totalling 405 feet. Additional trenching was done in 1966. Work by Noranda Exploration during 1967, 1968, and 1969 included geological mapping, 7.1 line-miles of induced potential survey, 48 line-miles of magnetic and electromagnetic surveys, a magnetometer survey, and 203 feet of diamond drilling in 6 holes. In 1970 the property comprised 106 claims in the DA, NAK, Wendy, Bear, and Sno groups. Work during 1970 and 1971 included further geological mapping, a geochemical soil survey, a magnetometer survey over 15.5 line-miles, and 4,323 feet of diamond drilling in 13 holes.

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

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HISTORY OF PRODUCTION

REFERENCES

Reports of Minister of Mines, British Columbia: 1964, p. 53; 1966, pp. 95-97; 1967, p. 103; 1968, p. 131.

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1969, p. 112; 1970, p. 176; 1971, p. 192.

MAP REFERENCES

#Geological Map of the DA and AX, Nakinilerak Lake, Sc. 1": 2,640 ft., Fig. 13, Reports of Minister of Mines, B.C., 1966, p. 96.

Map 93 M, Hazelton, (Topo.), Sc. 1:250,000.

*Map 93 M/8, Nakinilerak Lake, (Topo.), Sc. 1:50,000.

REMARKS

BCI 93 M-10, 137

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