

PRODUCT

GOLD

PROVINCE OR
TERRITORY

British Columbia

N.T.S. AREA 82 E/5

REF. AU 1

NAME OF PROPERTY

DUSTY MAC

LOCATION—Main showing.

Lat. 49°21'

Long. 119°32'40"

Radius of uncertainty - 300 metres.

Mining Division Osoyoos

District Similkameen

County

Township or Parish

Lot

Concession or Range

Sec.

Tp.

R.

OWNER OR OPERATOR AND ADDRESS

Dusty Mac Mines Ltd.

DESCRIPTION OF DEPOSIT

The underlying rocks belong to the upper part of the Tertiary section exposed in the White Lake basin, namely the White Lake Formation and the older Marama Formation. These comprise mainly feldspathic pyroclastic beds, thick lahar deposits, rhyolite and rhyodacite lavas, and some stream and lake sediments. The deposit lies on the south limb of a southeasterly trending syncline. The beds have variable dips ranging from about 30 to 55 degrees north-east. These rocks are cut by an important system of reverse faults; the system trends generally southeasterly, with interwoven easterly and southerly striking segments and splays. The mineralization appears to be largely controlled by the fault system. Quartz veins and gossans are present in or adjacent to most of the main faults. The main mineralized zone is a gently dipping lens of quartz breccia with varying admixtures of crushed andesite. The body is exposed over a length of about 700 feet striking roughly 140 degrees with a central cross-section width of about 160 feet and a maximum thickness of 30 feet. Based on exploration work to December 1969, reserves were estimated at 67,790 tons averaging

Associated minerals or products of value - Silver.

p.t.b.

HISTORY OF EXPLORATION AND DEVELOPMENT

The showings are located about 1 mile east of the community of Okanagan Falls, at the south end of Skaha Lake, some 10 mile south of Penticton.

Dusty Mac Mines Ltd. was incorporated in August 1968 to acquire a number of claims from insiders of the company. With the purchase of 12 adjoining claims and additional staking the property was expanded to 121 claims in the Dusty, Mac, J Gus, Joe, and other groups. Work by the company during 1968 include driving an inclined adit 126 feet, trenching, and geological mapping.

Noranda Exploration Company, Limited, optioned the property on December 1, 1969, and carried out percussion drilling in 101 holes, 7,610 feet of diamond drilling in 52 holes, and bulk sampling. The option was dropped late in 1970.

During 1973 Dusty Mac carried out shallow percussion drilling in 45 holes to confirm grades and search for additional ore. Measured reserves were reported at 132,585 tons at 0.20 oz/t Au, 3.60 ozs/t Ag (NM 07/11/74). A geochemical soil survey (25 samples) was carried out in 1974. Arrangements were made to have the open pit ore mined on a contract basis, with the ore to be milled on a custom basis at the Dankoe Mines mill, 20 air miles south-southwest of Okanagan Falls. Measured mineable reserves were reported at 102,413 tons at 0.24 oz/t Au and 4.29 ozs/t Ag, with 10% dilution (NM 09/10/75).

Mining in the open pit began in June 1975 and the ore was milled during the period August 15, 1975 to May 18, 1976. Reclamation of the open pit area was completed by September 1976. Percussion drilling in adjacent areas of the property was carried out in 1976.

HISTORY OF PRODUCTION

During 1975-76, 93,275 tonnes were milled at the Dankoe mill. From this ore 603.767 kg of gold, 10,503.576 kg of silver, 2,432 kg of copper, and 2,119 kg of lead were recovered.

REFERENCES

- Church, B.N.; Dusty Mac; Geology, Exploration, and Mining, British Columbia Dept. of Mines - 1970, pp. 402-406; 1969, pp. 294-296.
- Report of Minister of Mines, British Columbia; 1968, p. 217.
- Mineral Policy Sector; Corporation Files: "Dusty Mac Mines Ltd."
- Warren, H.V., Church, B.N., Northcote, K.E.; Barium-Strontium Relationships; Western Miner, April 1974, pp. 107-109.
- Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1974, p. 56.
- Church, B.N.; Geology of the White Lake Basin; Bulletin No. 61, pp. 89-92, British Columbia Dept. of Mines, 1973.

MAP REFERENCES

- Geology of the Okanagan Falls Area, Sc. 1":2,500 ft., Fig. 38 - accomp. Report by Church, 1969.
- Map 627 A, Okanagan Falls, (Geol.), Sc. 1":1 mile (1941).
- Map 15-1961, Kettle River, (Geol.), Sc. 1":4 miles.
- Map 82 E/5 E, Penticton, (Topo.), Sc. 1:50,000.
- Geology of the Dusty Mac prospect; Sc. 1":950', Fig. 5.1, B.C. Bulletin No. 61, p. 90.
- Geology of the White Lake basin, Fig. 1.2, Bulletin No. 61.

DESCRIPTION OF DEPOSIT (continued)

0.23 ounce gold and 4.97 ounces silver per ton. A similar large lens of quartz breccia located about 2,500 feet to the northwest showed only a trace of gold and silver in preliminary testing.

BCI 82E/SW - 78

JULY 1973
FEB 1975
JUNE 1980 DM