

003586

February 14, 1980

Mr. J. A. Morin
District Geologist
Indian and Northern Affairs
Geology Section
200 Range Road
Whitehorse, Y.T.
Y1A 3V1

Dear Sir:

Further to your letter dated January 23, 1980, we return herewith corrected copies of reports on our MM, IGLE, HOWRU and BOJO properties, for inclusion in the D.I.A.N.D. Mineral Industry Report, Yukon Territory 1978.

Yours truly,

CYPRUS ANVIL MINING CORPORATION

J. G. Simpson
Vice President, Exploration

Encl.



Indian and
Northern Affairs

Affaires indiennes
et du Nord

Geology Section,
200 Range Rd.,
Whitehorse, Y.T.
Y1A 3V1

23 January 1980.

Cyprus Anvil Mining Corporation,
Geology,
P.O.Box 1000,
Faro, Yukon.
Y0B 1K0

Your file Votre référence

Our file Notre référence

Dear Sir:

Enclosed are reports on some of your properties in the Yukon which have been prepared for inclusion in the D.I.A.N.D. Mineral Industry Report, Yukon Territory 1978. I would appreciate your checking each for accuracy and deleting any information you wish to have ommitted. Please feel free to add any pertinent material. One copy of each report should be returned with your comments. The second copy is for your files. Your prompt attention to this matter will be greatly appreciated as we are in the final stages of compiling this report. It will hopefully be available in mid spring.

Yours truly,

J A Morin

J.A. Morin,
District Geologist.

our file copies

MM Zinc, Lead, Silver,
Cyprus Anvil Mining Corporation Copper
Hudson's Bay Oil and Gas 105 F 7
Company Limited (61°27'N, 132°40'W)

References: Sinclair et al (1975, p. 159);
Tempelman-Kluit (1977b); Morin et al (1977, pp.
83-97, 1979, p. 79).

Claims: MM (76); JJ (81); DD (32) - a total of 189

Location and Access:

The property is located in the Pelly Mountains on the west side of Seagull Creek. Access is provided by helicopter from Ross River, 60 km to the north.

History:

The MM and JJ claims were staked in 1973 on ground that previously had been staked as the ARNOLD and ZINC claims. The DD claims were subsequently staked in August 1976. Property work including geological mapping, geochemical soil and stream sediment sampling, a gravity survey and diamond drilling was carried out from 1973 to 1977. The drilling program involved two holes in 1973 (805 feet), two holes in 1974 (2,010 feet) and seven holes in 1976 (5,505 feet). In 1977, further geochemical soil sampling, ground magnetic and electromagnetic survey and diamond drilling programs were conducted. Four diamond drill holes (BQ) were drilled for a total footage of 5,388 feet and several narrow zones of sulphide mineralization were encountered.

Description:

The property is underlain by ^{a reversed} ~~an upside down~~ sequence of metamorphosed Mississippian volcanic, volcanoclastic and exhalite rocks overlain by equally metamorphosed Siluro-Devonian quartzite, dolomite and graphitic schist and Lower Cambrian calc-silicate schist and phyllite. The Mississippian rocks are isoclinally folded and have suffered extensive deformation.

Mineralization consists of three separate lenses of baritic quartzite with associated horizons of massive sulphide material (mainly pyrite with subordinate sphalerite, galena and chalcopryrite). These lenses are each in the order of several tens of metres long and several metres thick and probably coalesce below surface to form one horizon (see Morin et al, 1977 for more detail).

Current Work and Results:

During summer 1978, further geological mapping (1:4,800), geochemical soil sampling and geophysical survey programs were conducted.

IGLE Lead, Zinc
Cyprus Anvil Mining Corporation 105 F 9
Hudson's Bay Oil and Gas (61°37'N, 132°13'W)
Company Limited

Reference: Tempelman-Kluit (1977b).

Claims: IGLE 1-16

Location and Access:

The claims are located in the Pelly Mountains, 40 km south of Ross River. Access is by helicopter.

History:

The claims were staked in August 1977.

Description:

The property is underlain by galena-sphalerite bearing sandstone of Silurian and Devonian age.

Current Work and Results:

During summer 1978, geological mapping (1 inch to 1/4 mile) and geochemical soil sampling programs were conducted.

BOJO

Cyprus Anvil Mining Corporation

105 J 4, G 13

(62°00'N, 131°42'W)

Reference: Tempelman-Kluit (1977).

Claims: BOJO 9-78, 105-136, 143-174

Location and Access:

east
↓
38 km of Ross River. The property is situated in the Ross River valley. Access is provided by helicopter from Ross River.

History:

The claims were staked to cover three coincident airborne electromagnetic-magnetic responses outlined by an Input survey flown over a 100 square mile area in the Ross River valley. BOJO claims 9-78, 105-130, 133-136, 143-174 were staked in June 1977 and 131-132 in September 1977.

Description:

Most of the property is covered by glacio-fluvial overburden. However, north of the claim group occur limestone and black calcareous shale of Paleozoic age and south of the property occur metamorphic rocks similar to the Anvil Range assemblage of rocks, ie two mica schist, Calc-silicates, black to grey phyllite and associated interbeds of metabasites.

Current Work and Results:

During spring 1978, ground magnetic and electromagnetic surveys were conducted. Two coincident magnetic-electromagnetic anomalies were determined.