



UMEX

UNION MINIERE EXPLORATIONS
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ASSESSMENT REPORT

GEOLOGICAL SURVEY

ON THE

ID 11-16 MINERAL CLAIMS

Dawson Mining Division, Y.T.

N.T.S. 116-B-13

Latitude $64^{\circ}50'N$

Longitude $139^{\circ}45'W$

by

Colin V. Dyson, P.Eng.

Work Done: August 11-14, 1976

Date: September 1976

Owner: Union Miniere Explorations and
Mining Corporation Limited

090171



This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of \$ 600.00

W. Skirvin

~~Resident Geologist or
Resident Mining Engineer~~

Considered as representation work under Section 53 (4) Yukon Quartz Mining Act.

B.K. Baxter

~~B.K. BAXTER
Supervising Mining Recorder~~

~~Commissioner of Yukon Territory~~

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ASSESSMENT REPORT

GEOLOGICAL SURVEY ON THE ID 11-16 MINERAL CLAIMS

INTRODUCTION

During the period August 11 to August 14, 1976 a geological survey was completed over the ID 11-16 mineral claims. The claims are located in the Dawson Mining Division, Yukon, at latitude $64^{\circ}50'N$ and longitude $139^{\circ}45'W$, and lie approximately 22 miles west of Kit Lake and 12 miles north-northeast of Mt. Harper (Figure 1). The claims cover the western side of a northerly trending mountain ridge where elevations range from 4000 to 6000 feet. Access to the property was via helicopter from a base established at Mile 68 on the Dempster Highway, a distance of approximately 42 miles to the east of the claims.

Geological mapping in the field was completed by Mr. R. Tolbert, B.Sc., geologist, assisted by Mr. Z. House, who were under the supervision of Mr. C.V. Dyson, P.Eng.

PROPERTY

Relevant details of the claims are as follows:

| Claim Name | Grant Number | Date Staked | Date Recorded |
|------------|-------------------|----------------|-----------------|
| ID 11-12 | YA 2292 - YA 2293 | August 3, 1975 | August 15, 1975 |
| ID 13-14 | YA 2294 - YA 2295 | August 2, 1975 | August 15, 1975 |
| ID 15-16 | YA 2296 - YA 2297 | August 3, 1975 | August 15, 1975 |

The claims are owned by Union Miniere Explorations and Mining Corporation Limited for whom the assessment survey was completed.

GEOLOGY

Regionally the claim area is underlain by a thick sequence of Proterozoic sediments described¹ (G.S.C. Unit 2b) as consisting of buff and orange dolomite, dark shale; minor quartzite limestone and conglomerate. Mapping on the claims shows a thick basal sequence of proterozoic (Helikian?) sediments, consisting of interbedded purple-to-maroon shales, siltstones, conglomerates, grey-black-green shales and pink-white dolomitic quartzites overlain by a thick sequence of black shales, laminated grey-black shales and grey-to-greenish siltstones, and minor dolomitic quartzites. These Helikian sediments are in turn overlain

¹Geological Survey of Canada, Map 1284A.



FIGURE 1

ID CLAIMS

LOCATION MAP, 1/250,000

N.T.S 116/B

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unconformably(?) by a sequence of Proterozoic (Hadrynian) massive grey-weathering, vuggy, veined, and solution eroded siliceous dolomites and blacky orange-weathering grey dolomite.

Younger fine-grained basic dykes and/or sills are present. Locally the area is faulted and folded. On the ID 11 claim a highly silicified, limonite stained fault zone, up to 250 feet wide, was traced in a northwesterly direction. Minor chalcopyrite and bornite mineralization in quartz-calcite veinlets was located within the fault zone.

CONCLUSIONS AND RECOMMENDATIONS

- (1) Geological mapping on the ID 11-16 claims has distinguished a highly varied sequence of Proterozoic (Hadrynian and/or Helikian) sediments in the area.
- (2) Copper mineralization has been located within a major fault structure on the claims.
- (3) Further work is warranted to examine the fault-controlled mineralization and search for its extensions along strike or presence in possible parallel or sub-parallel structures.

Respectfully submitted,



Colin V. Dyson, P.Eng.



- LEGEND**
- Outcrop mapped.
 - Claim post.
 - Copper mineralisation in place or float.
 - Strike, with dip direction & angle of dip.
 - Vertical bedding.
 - Plunging anticline.
 - Plunging syncline.
 - Geologic boundary (defined, approximate, assumed).

- congl. Conglomerate
- silt. Siltstone
- sh. Shale
- qtz. Quartzite
- qtz. Quartz
- dolo. Dolomite
- cp. Chalcopyrite
- bn. Bornite
- mal. Malachite

| Rock Unit | Description |
|-----------|---|
| 919 | Gray cherty siltstone or shales |
| 944 | Maroon or mottled maroon shales |
| 949 | Black shales |
| 913 | White to pink quartzite, sometimes dolomitic or jasper rich |
| 953 | Conglomerate |
| 948 | Massive gray dolomite (possibly correlates with Unit 3 of OD Claims) |
| 962 | Interbedded black shale & calcareous siltstone (possibly correlates with Unit 1 of OD Claims) |
| 998 | Greenish gray shale |
| 917 | Fine-grained basic dykes |

Colin V. Dyson

To accompany a report on a Geological Survey on the ID 11-16 Mineral Claims, by Colin V. Dyson, dated September 1976.

Figure No. 2

BLACKSTONE PROJECT 1976
ID CLAIMS
GEOLOGY

Scale: 0 500 1000 1500 2000 feet

UMEX CORPORATION LTD.

DRAWN BY: RST
DATE: September 1976
SURVEYED BY: RST, PPM, DAS

DWG. No.