

# 4678

GEOLOGICAL REPORT

ON

MAE & SP MINERAL CLAIMS  
ROCK ISLAND LAKE  
KAMLOOPS MINING DIVISION, B.C.

Latitude: 51° 33' 10" N  
Longitude: 120° 21' 10" W  
Map Sheet: 92P/9W



BY

JAMES S. DODGE, P. ENG.

SEPTEMBER 21 - October 5, 1973

Department of  
Mines and Petroleum Resources

ADDRESS REPORT

NO. **4678** MAP

398

TABLE OF CONTENTS

	<u>Page No.</u>
LIST OF CLAIMS.....	1
INTRODUCTION.....	2
LOCATION AND ACCESS.....	2 & 3
SURVEY TECHNIQUES.....	3
GEOLOGY.....	3 & 4
APPENDIX I - SUMMARY OF COSTS.....	5
APPENDIX II - STATUTORY DECLARATION.....	6
APPENDIX III - STATEMENT OF QUALIFICATIONS.....	7

MAP

- #1 GEOLOGIC RECONNAISSANCE MAP MAE & SP CLAIMS (Pocket)
- #2 Claim map

286

LIST OF CLAIMS

<u>Claim Numbers</u>	<u>Grant Numbers</u>	<u>Mining Division</u>	<u>Date Recorded</u>
MAE 1 - 4	61215 - 61218	Kamloops	October 12, 1966
SP 1 - 6	61209 - 61214	Kamloops	October 12, 1966

*J. B. B.*

INTRODUCTION

During September 21 - October 5, 1973, James S. Dodge, Professional Engineer (B.C.) Conducted a program of reconnaissance geological mapping for United Copper Corporation Limited on the MAE 1 - 4 and SP 1 - 6 mineral claims situated in the Rock Island Lake area of the Kamloops Mining District.

The purpose of this investigation was to determine if sufficiently encouraging geologic indicators of copper mineralizations were present in the claim area.

LOCATION AND ACCESS

The MAE and SP claims are centered approximately at latitude  $51^{\circ} 33' 10''$  N and longitude  $120^{\circ} 21' 10''$  W in the Kamloops Mining District on the Clearwater Map Sheet 92P/9W. The claims lie immediately west of Rock Island Lake, the outflow from which comprises a major tributary of Nehalliston Creek. With altitudes on the claims ranging from 4,300 to 4,600 feet, the area is characterized by a NW - SE trending ridge covered by an open forest of mixed fir and aspen.

Access to the claims is by the Rock Island Lake Jeep road which crosses MAE 3 and 4 claims approximately 1 1/2 miles east of the Friendly Lake road. The Rock Island Lake turnoff is just north of Silver Lake which may be reached by 10 1/2 miles of good gravel road branching from Mile 11 on the Little Fort - 100 Mile House road along Eakin Creek. This new gravel

road climbs steeply up the north side of the valley from a point 1/10 mile beyond the old road, and is marked "Rock Island Lakes 13 Miles". The total distance to the claims from Kamloops is 73 miles.

#### SURVEY TECHNIQUES

A fly camp was established along the road on the western side of Silver Lake. Access to the claims was on foot along the Rock Island Lake Jeep road and geological traverses were made in a NW - SE direction at 500 foot intervals along the road.

Numerous cliff-forming outcrops offer good bedrock exposure particularly along the northeastern slopes of the prominent ridge west of Rock Island Lake. Several exposures were mapped along the Jeep road cuts on MAE 3 and 4 claims.

#### GEOLOGY

The MAE 1 - 4 and SP 1 - 6 claims are underlain by a thick, massive sequence of marine volcanics comprising dominantly andesitic augite porphyry breccias with minor andesite and basalt flows. Andesite dikes were observed at two sites near the Jeep road. No plutonic intrusives were noted on the claims.

The entire volcanic sequence has been subjected to broad scale metamorphism of the greenschist facies grade, as expressed

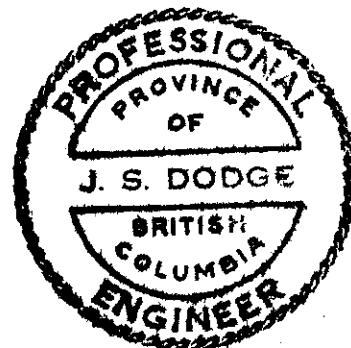
248

in chloritization of biotite, augite, and feldspars. The andesite dikes are silicified and weakly pyritized; however, the adjacent volcanics show essentially no hydrothermal alteration at the contact.

Outcrop areas mapped during this reconnaissance are shown on the accompanying geologic sketch map. No primary banding and locally, only weak foliation was noted in the volcanic sequence.

The absence of plutonic intrusives, paucity of broad-scale hydrothermal alteration, and lack of copper mineralization in outcrops on the MAE and SP claims, indicates only a low probability for the discovery of near-surface economic grade copper deposits.

*James S. Dodge*  
James S. Dodge, P. Eng.



Expiry Date: August 4, 1974

APPENDIX I

SUMMARY OF COSTS

Fees (September 21 - October 5, 1973)

James S. Dodge, P. Eng.		
September 22,		
October 1 - 4	5 days at \$150/day	\$ 750.00
October 5 - 6	1 1/2 days at \$150/day	\$ 225.00

Transportation & Subsistence

4-wheel drive truck	150 miles at 18¢ mile	\$ 27.00
Camp food & accomodation	5 days at \$7.00	\$ 35.00

Office - secretarial, report materials, photocopying \$ 30.00

GRAND TOTAL - \$1,067.00

Declared before me at the  
of  
Province of British Columbia  
day of ..

VANCOUVER, B. C.

, in the

*James S. Dodge*

NOV 1 1973

*[Signature]*  
Sub-Mining Recorder

A Commissioner for taking Affidavits within British Columbia or  
A Notary Public in and for the Province of British Columbia.

*[Handwritten mark]*

DOMINION OF CANADA:  
PROVINCE OF BRITISH COLUMBIA.  
To Wit:

**In the Matter of**

costs incurred in carrying out geological mapping on the MAE SP Mineral Claims.

I, James S. Dodge

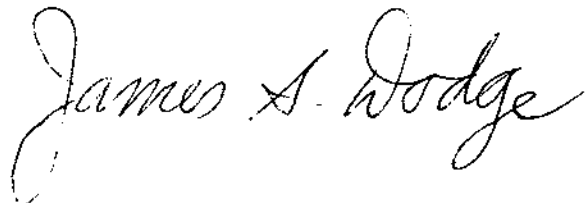
of # 736, 615 Westview Place, North Vancouver, B.C.

in the Province of British Columbia, do solemnly declare that

to the best of my knowledge and belief the Summary of Costs as presented in Appendix I of this report, "Geological Report on the MAE and SP Mineral Claims", is both true and correct.

And I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath and by virtue of the "Canada Evidence Act."

Declared before me at the City  
of Vancouver, in the  
Province of British Columbia, this 1st day  
of November 1973, A.D.

  
SUB-MINING RECORDER

A Commissioner for taking Affidavits for British Columbia or  
A Notary Public in and for the Province of British Columbia.



**In the Matter of**

..... COSTS INCURRED IN .....

..... CARRYING OUT GEOLOGICAL .....

..... MAPPING ON THE MAE & SP .....

..... MINERAL CLAIMS .....

---

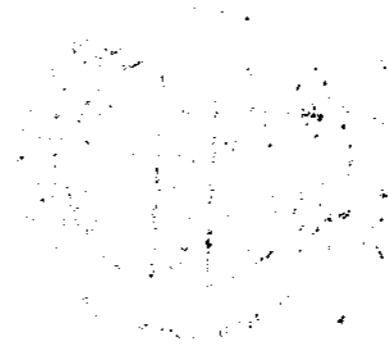
---

**Statutory Declaration**

(CANADA EVIDENCE ACT)

---

---



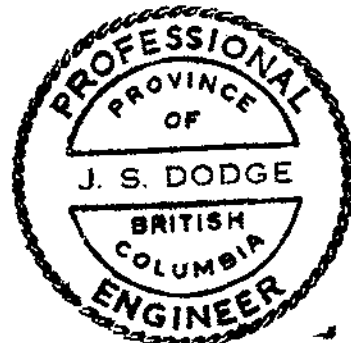
APPENDIX III

STATEMENT OF QUALIFICATIONS

1. I am a minerals exploration consultant residing at #736, 615 West-view Place, North Vancouver, British Columbia with offices at 3165 Dunbar Street, Vancouver, British Columbia and Red Mountain, Aspen, Colorado, U.S.A.
2. I graduated as a mining engineer from Missouri School of Mines, B.S., 1941; received the degree of Master of Science in economic geology from Stanford University, 1951; and attended Albert-Ludwigs University, Freiburg, Germany during 1952.
3. I am a certified member of the Association of Professional Engineers of British Columbia, and am a registered professional engineer in the State of Colorado. I am a member of the Society of Economic Geologists.
4. I am the author of this entire report.
5. I carried out the geological mapping performed on the MAE 1 - 4 and SP 1 - 6 Claims.

October 25, 1973

Signed: James S. Dodge  
James S. Dodge



Expiry Date: August 4, 1974

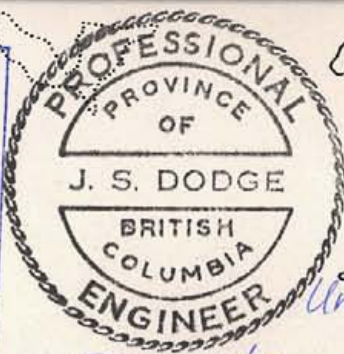
Department of  
Mines and Petroleum Resources

ASSESSMENT REPORT

4678

#2

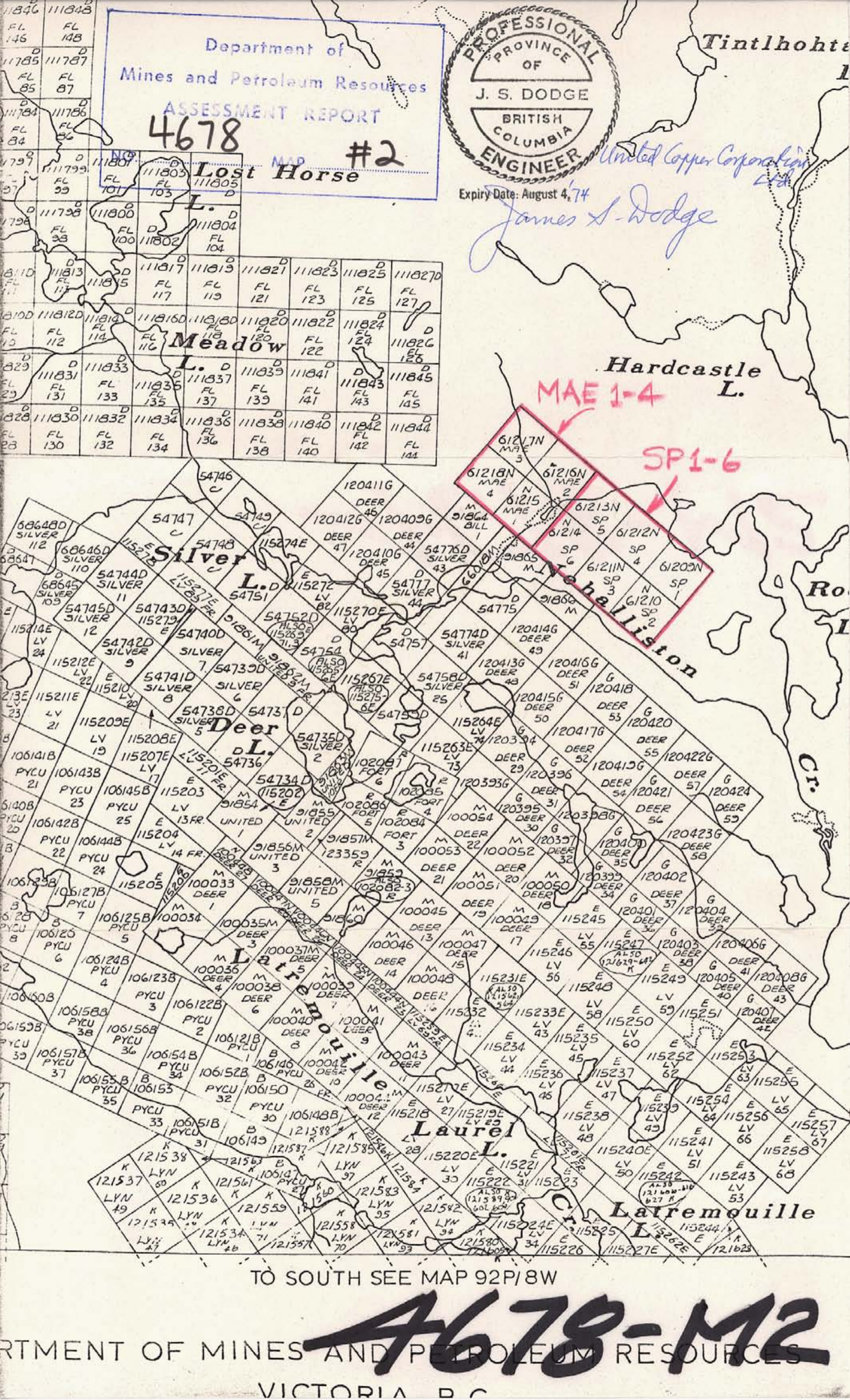
MAP  
Lost Horse



Expiry Date: August 4, '74

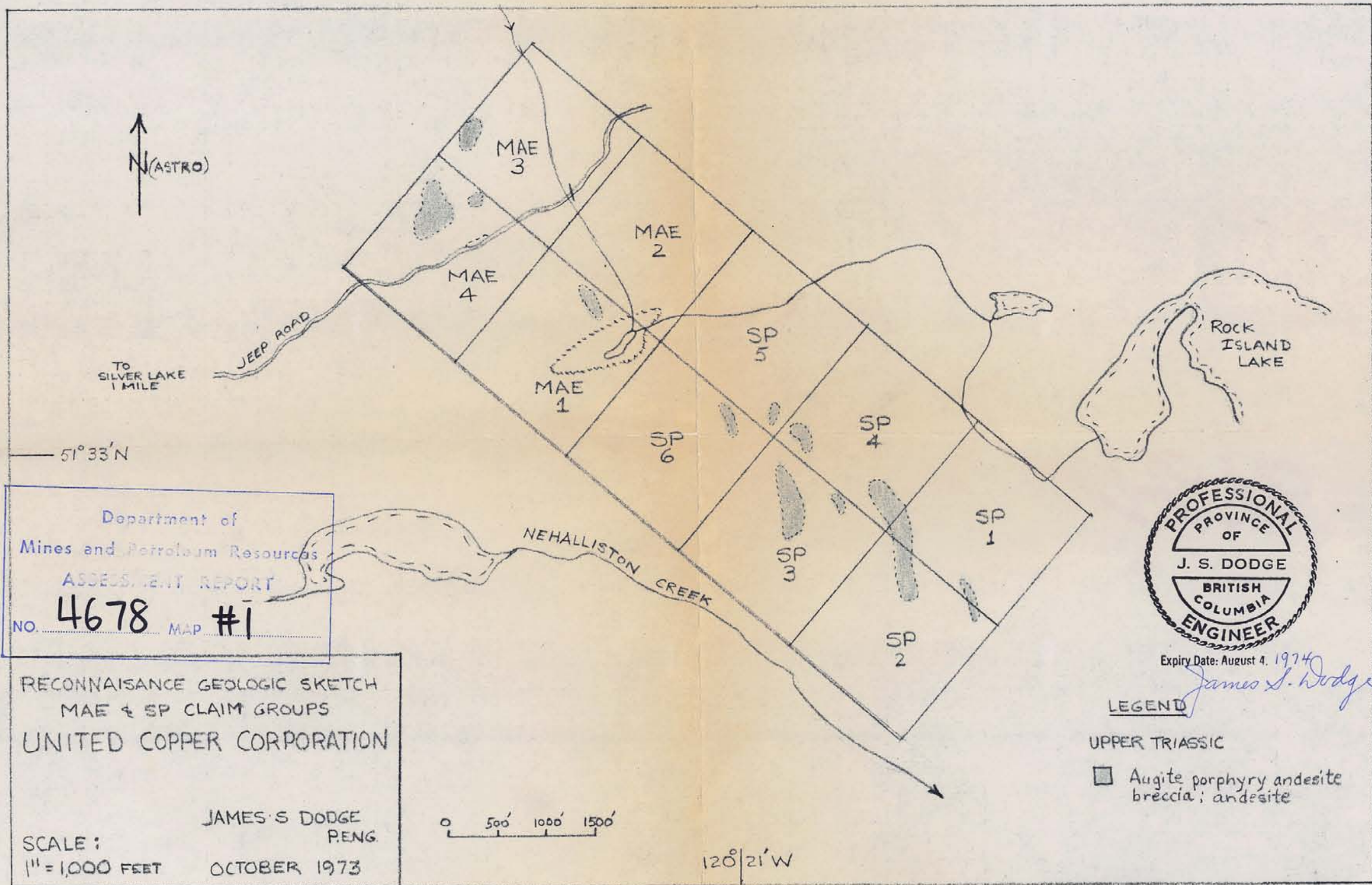
*James S. Dodge*

*United Copper Corporation Ltd.*



TO SOUTH SEE MAP 92P/8W

**4678-M2**



Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. **4678** MAP #1

RECONNAISSANCE GEOLOGIC SKETCH  
MAE & SP CLAIM GROUPS  
UNITED COPPER CORPORATION  
JAMES S DODGE  
PENG.  
SCALE :  
1" = 1,000 FEET  
OCTOBER 1973



LEGEND  
UPPER TRIASSIC  
□ Augite porphyry andesite breccia; andesite

**4678-M1**