

## MEMORANDUM

93E/2E

TO Dr. Stuart S. Holland, Ph.D., P.Eng.,  
Chief Geologist, Mines Branch

FROM THE

DEPARTMENT OF MINES  
AND PETROLEUM RESOURCES

VICTORIA, B.C., Sept. 26, 1973

WHEN REPLYING PLEASE REFER  
TO FILE NO. ....

PRELIMINARY MINERAL POTENTIAL APPRAISAL OF RON, BOB CLAIMS AREA

Tweedsmuir Park, 93E/2E

Claims owned by Stenecha Exploration Ltd.

The claims area is underlain by andesitic to rhyolitic tuffs, breccia, and flows with minor red basaltic strata, all of the Hazelton Group.

The RON-BOB claims are located on the eastern boundary of the Coast Crystalline Complex. This setting is regarded as being very favourable for porphyry copper deposits and especially stockwork molybdenite deposits. Along this belt many properties have undergone extensive exploration by large companies. Such properties include the Berg, Red Bird, Dak River, and B.C. Moly properties.

On a more local scale it is important to note that many of the mountain blocks in the area, including the Sibola, Red Bird, Tahtsa, and Rivers Peak-Mt. Preston ranges, have one or more large gossan zones and that several of the large gossan zones are associated with molybdenite and/or chalcopyrite deposits.

Based on the local and regional geological settings and upon the fact that there are many showings in the claims area, with appreciable copper assays, I would tentatively assign a mineral potential category of 2B to the area in which the RON-BOB property is situated.

With specific reference to mineralization on the RON and BOB property, according to Assessment Report 3540, approximately fourteen showings of copper mineralization have been found on the RON and BOB claims. These occurrences, somewhat generalized, are shown on the accompanying geology map.

A "main zone" has been trenched and drilled on the JAM 2 claim which adjoins the BOB and RON claims on the southeast and north respectively. The JAM 1 to 7 claims are owned by John Shelford of Burns Lake and were optioned to Stenecha Exploration Ltd. in 1969. It is not clear if Stenecha presently maintain any interest in the JAM claims.

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PROPERTY FILE

PROPERTY FILE

Mineralization on the BOB, RON and JAM claims is of two types, mineralized fractures and strata-bound mineralized flows.

Most of the mineralized fractures strike northerly and appear to have limited strike length. The strong fracture on JAM 7, however, was traced for 500 feet. Mineralization in this "main zone" consists of bornite pods. The other fractures are mineralized with disseminated chalcopyrite with minor bornite. Diamond drilling in 1970 under the main zone indicated that it does not continue to depth.

In the strata-bound occurrences, disseminated chalcopyrite occurs in scoriaceous andesite close to contacts with friable red basalt.

Mr. John Lamb, P.Eng., examined the property in 1969 and reported that "of the showings examined, only one contained mineralization of ore grade. The wide distribution of copper merits a much closer examination of the area for it is logical to assume that more 'hot spots' exist. In 30 years of experience, I have never seen more extensive mineralization. It has possibilities as an underground operation." This possibility was apparently diminished by the negative results of the 1970 drilling.

In 1971 the showings were sampled with the following results.

Mineralized Fractures

Claim	Width (ft.)	% Cu.	Oz./T Ag.	Comments
JAM 2	5	13.40	7.90	Main trench, 10 ft. bornite lens
"	8	1.45	0.60	Adjoins previous sample
"	20	0.81	0.43	200 ft. S.W. of main trench
"	10	1.62	0.40	120 ft. N.E. of main trench
"	15	1.47	1.10	260 ft. N.E. of main trench
"	5	0.70	0.60	460 ft. N.E. of main trench
"	10	0.68	2.37	530 ft. N.E. of main trench
RON 43	7	3.30	0.14	
RON 4	4	3.70	0.22	
RON 10	8	0.34	0.15	Also .084 oz./T Au
JAM 7	30	0.31	0.10	
JAM 7	100	0.24	0.10	
BOB 5	3	0.99	1.57	

Strata-Bound Mineralized Flows

Claim	Thickness (ft.)	% Cu.	Oz./T Ag.
RON 48	40	1.20	0.76
RON 47	10	0.33	0.17
RON 47	8	0.12	0.10
BOB 2	20	0.81	0.58

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R. W. Phendler examined the property in August 1971 and in a report dated March, 1972 stated:

"The rugged nature of the terrain limits exploration possibilities. Further prospecting may disclose the presence of additional disseminated pyrite, but the apparent lack of continuity of the mineralized formations, the flat dip and the nature of the hanging wall suggest that it is unlikely that commercial grade deposits exist on the property.

Recommendations are that no further interest be shown in the Mount Preston property" (i.e. the RON-BOB claims).

References: Assessment Reports 2993, 3540, and 4185  
GEM 1972

*E. V. Jackson*

E. V. Jackson, P.Eng.,  
Geologist, Mines Branch

EVJ:jmcm

PROPERTY FILE

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Gabbro

CRETACEOUS TO OLIGOCENE  
UPPER CRETACEOUS TO OLIGOCENE  
OOTSA LAKE GROUP

12

Rhyolite, dacite, andesite, basalt, associated tuffs and breccias; minor conglomerate

CRETACEOUS  
LOWER CRETACEOUS

11

Argillite, arkose, breccia, tuff, andesite, basalt

JURASSIC (?) AND LATER  
UPPER JURASSIC (?) AND LATER  
COAST INTRUSIONS

10

MOUNT BOLOM STOCK: granite, in part porphyritic

9

SWING PEAK STOCK: fine-grained porphyritic diorite

8

Granodiorite, quartz diorite, diorite, granite

7

QUANCHUS INTRUSIONS: granite, quartz monzonite, quartz diorite

6

Red granite

5

Red syenite, granite, monzonite

4

Diorite

3

Gabbro

JURASSIC  
MIDDLE JURASSIC (Mainly)

HAZELTON GROUP  
Breccia, tuff, andesite, dacite, rhyolite, basalt, argillite, greywacke, chert, conglomerate, minor limestone.  
May include some undifferentiated I and II

2

TRIASSIC AND JURASSIC  
UPPER TRIASSIC AND LOWER JURASSIC  
TAKLA GROUP

1

Breccia, tuff, andesite, minor argillite, and limestone

A

Metamorphic rocks, greenstone, amphibolite, phyllite, schist, gneiss, crystalline limestone; undifferentiated minor diorite and granite, Mesozoic and (?) Palaeozoic

MESOZOIC

PROPERTY FILE

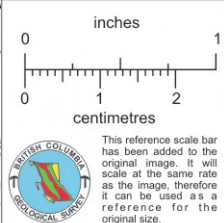
NOTE: Age of 3 to 8 relative to 2 uncertain; 9, 10 younger than 2.

45'

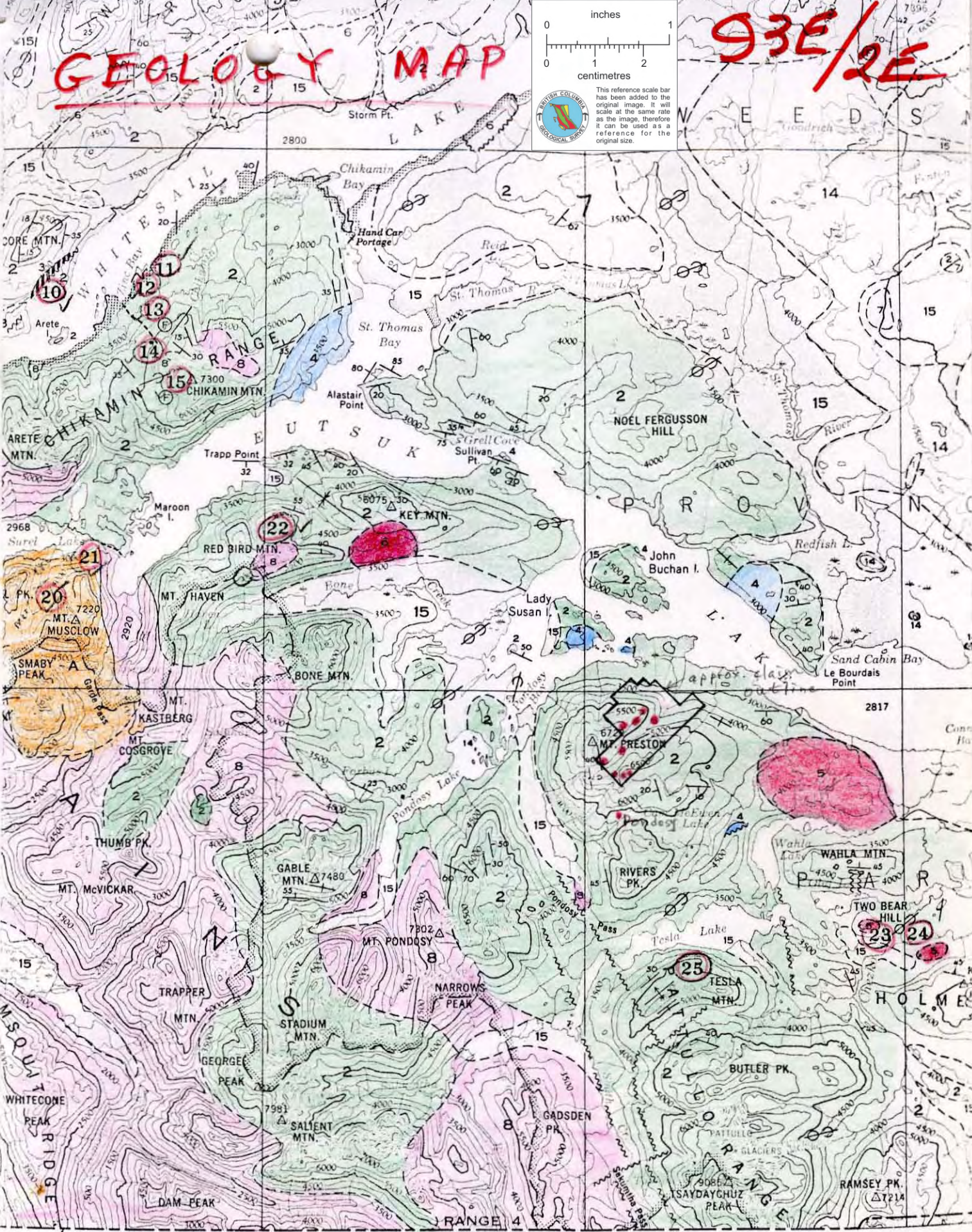
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# GEOLOGY MAP



# 93E/2E



# PROPERTY FILE

12700

45'

Mineral occurrence

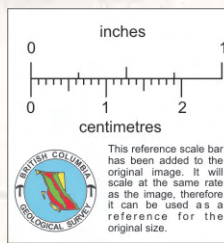
30'

CU 7 Sept. 25/73

MAP 1064A

93E/2E RON, BOB claims, Stoneche Expl. Ltd

# CLAIM MAP



93E/2E

