

A claims
G.P. Eastwood June 1974

93F/2W
92F-360,361

007767

FROM THE

DEPARTMENT OF MINES
AND PETROLEUM RESOURCES

VICTORIA, B.C., June 19, 1974

TO Dr. S.S. Holland,
Chief Geologist, Geological Div.,
Mineral Resources Branch

WHEN REPLYING PLEASE REFER

TO FILE NO. (92F/2W)

DEPT. OF MINES
PETROLEUM RESOURCES
JUN 19 1974

re Vezina's copper showings, Sproat Lake area

2 1/2 miles

At the request of J.E. McMynn, transmitted orally by K.E. Northcote, I undertook to examine these new showings south of Sproat Lake. Four covering claims have been retained, named A 5 to A 8. In a telephone conversation with Lawrence Vezina on June 5th I learned that he had offered to sell his claims to the Government. I explained that I had no authority to negotiate on behalf of the Government, but would be happy to examine his showings and give him what technical assistance I could. I advised him to see J.T. Fyles, which he did, and Dr. Fyles has asked me to submit an early report to you.

I met Vezina on his claims on June 11th and was conducted to two showings. Both were in an early stage of exploration, consisting of mounds of mineralized rock surrounded by overburden. Dynamite, a front-end loader and backhoe, and a bulldozer had been used to partly uncover the showings. No drilling has been done.

The showings are on a broad saddle between the Sproat Lake and Cous Creek drainages, at the head of a southeasterly tributary of St. Andrew Creek. The claims location on our claim map is incorrect. The showings are plotted on the accompanying 1:50,000 map as accurately as existing topographic mapping will permit.

A contact between Quatsino limestone and amygdaloidal andesite or basalt, which is probably Karmutsen, trends northwest through the property. The limestone is intruded by irregular bodies of andesite, which in at least two places have been altered to garnet-epidote skarn. In the north showing, chalcopyrite, less bornite, and superficial malachite and azurite occur in both skarn and limestone near their mutual contact. The irregular, branching shape of the intrusion has led to irregular, pockety mineralization; while specimens of very good grade may be obtained, any practical volume outlined must include much barren rock. The mineralized area exposed was 50 square feet, but this was open to the west and south.

At the south showing the same copper minerals are confined to an andesite body, and barren limestone is exposed a short distance to the northwest and southwest. The andesite is irregularly altered to garnet-epidote skarn, and both fresh and altered rock are irregularly mineralized. The area of rock exposed was 1,200 square feet, of which at most 20 per cent is mineralized.

A grab sample was taken from each showing, and consisted of chips of better-mineralized material taken from several places in the showing. At most, the samples indicate what might be obtained by

PROPERTY FILE 92F360

Dr. S.S. Holland

June 19, 1974

laborious selective mining. An accurate grade could only be obtained by close-spaced sampling on a 3-dimensional grid, which would require drilling. Incomplete exposure of each showing and indications of surface leaching also indicated that detailed sampling would have been premature. The samples have now been submitted for gold, silver, and copper assay.

Amygdaloidal andesite or basalt is exposed about 40 feet northeast of the north showing. The owner intends to prospect the contact zone by trenching across it.

Rusty, altered patches were observed in the amygdaloidal rock north-northeast of the north showing. The principal sulphide is pyrite but some chalcopyrite is present. The owner had done no work on these patches, and they were recommended for his attention.

G. E. P. Eastwood

G.E.P. Eastwood

Dr. J.T. Fyles,

Associate Deputy Minister.

June 19th

74

PF 92F/2W

Re: Vezina Copper Showing - Sproat Lake
(92F/2W)

Attached is a copy of Dr. Eastwood's brief report on the Vezina copper showing at Sproat Lake.

It would appear to be a small occurrence of copper bearing skarn possessing limited exploration interest.

SSH/jr

STUART S. HOLLAND,
Chief Geologist, Geological Division,
Mineral Resources Branch.

Attd. Report (with EVJ for info
+ filing)

PROPERTY FILE

MEMORANDUM

FROM THE

DEPARTMENT OF MINES
AND PETROLEUM RESOURCES

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TO Dr. S.S. Holland,
Chief Geologist, Geological Div.,
Mineral Resources Branch

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