

6460

77-# 348-# 6460

PRELIMINARY REPORT ON THE "MARINER II" PROPERTY

NORMAN W. STACEY

OCTOBER 1976

- LOCATION:** Approximately 52°35' N by 121°26' E, the property is on the north-west slope of Spanish Mountain, 13 kilometers east-south-east of Likely, in the Cariboo Mining Division of British Columbia. Access is easy along a formed, gravel road to Spanish Lake, and the area abounds with partially overgrown 4 W.D. logging tracks.
- OBJECT:** The lapse of the Mariner C Mineral Claims and relatively recent logging operations having vastly improved immediate access to the area, re-examination for favourable structure and/or lithology for primary gold, or other potentially economic mineralization was desirable.
- FIELD WORK:** On September 10th, 11th and 12 N. Stacey, J. McMillan and M. Neilson, carried out general reconnaissance of the Spanish Mountain area, visual inspection of old workings, and selective sampling of a smaller area culminating in staking by M. Neilson of a 4 unit mineral claim, to be known as Mariner II Mineral Claims.
- GEOLOGY:** The claimed area has approximately 5% outcrop. Country rock is schistose, mafic, argillite and light grey-brown, medium to fine grained, quartzite, with minor areas of porphyritic rhyolite. Of major interest are several massive, white quartz veins. In the lower portion of the claimed area, a 2m to 4m quartz blow, striking approximately 050° and steeply dipping, is flanked by at least two, thinner, subparallel veins. In the upper, more southerly portion 10 cm to 80 cm quartz veins striking approximately 090° and dipping 5° to 10° south, are extensively faulted and warped, and appear younger. Sulphide mineralization abounds in all rocks from the western end of Spanish Lake to the summit of Spanish Mountain. Sulphide occurs as well formed crystals (to 1 cm<sup>2</sup>) in the country rock and as crystals and veins in the quartz veins.

MINERAL RESOURCES BRANCH

ASSESSMENT REPORT

NO. \_\_\_\_\_

**GEOLOGY:** Surface weathering of all rocks is extensive, the (continued) sulphides frequently oxidised, but of shallow depth. No free gold was recovered, though one small speck was seen in a limonite pseudomorph after pyrite, in quartz float near the major, lower quartz vein. Several pyrite and/or chalcopyrite rich specimens were collected and some tested for auriferous content.

**PREVIOUS WORKINGS:** Major work appeared on the lower quartz veins which had been longitudinally trenched. Later work was evident of bulldozer-trenching the upper quartz veins, ponding a central water-course, probable working and/or bulk sampling of alluvium and colluvium. A collapsed, 1 m high, horizontal shaft exists in the upper claimed area, and slag covered with heavy overgrowth in the south-eastern claim unit, indicates further underground workings. One definite drillsite was established, two further probable sites were evident.

**CONCLUSIONS** The claimed area covers the intersection of the 050° and 090° trending quartz veins (covered in heavy secondary growth), and the evident old workings. The 4 units cover the primary area of interest, but further work may reveal extensions or repetitions of quartz veins necessitating further staking.

The low auriferous content of the assayed samples should not be taken as indicative of the property, as these were randomly selected, to test the uniformity of pyrite in the major lithologies.

- RECOMMENDATIONS:**
1. An extensive literature search should be undertaken. This would include published information, as well as an attempt to obtain any previous reports on the property.
  2. Clearing of several old trenches and some new trenching to expose and establish accurate trends of the quartz veins is necessary.
  3. The property should be visited with a previously involved party to establish the exact locality and extent of previous workings.
  4. A base-map, preferably a mosaic, is necessary. Lithologic mapping on a scale of 1:10,000 is most desirable, covering major lithology distribution, with particular emphasis on the quartz veins.

RECOMMEND- 5. Systematic grab-sampling and assaying of the  
ATIONS: varying units should be undertaken to establish  
(continued) background values for Au, Ag, Cu, Pb and Zn.

6. Selective channel sampling of freshly exposed quartz veins should follow.

ADDITIONAL NOTES ON MARINER II PROPERTY

OCTOBER 15, 1977  
NORMAN W. STACEY

- PROGRESS:
1. A most successful literature search has been undertaken, by M. Neilson, and the existence of a report established, which may save considerably on selective sampling if a copy can be obtained.
  2. Extensive work on clearing trenches and opening new outcrop has been done. These will shortly be examined by myself.
  3. A visit to the property with a previously involved party to examine and discuss previous workings is imminent.
  4. A suitable base map has proved difficult, but work is under way on modifying our own.
  5. Systematic lithology sampling has been started, with localities recorded.

The possibility of placer gold on the property, and supplementary work in this direction, has been discussed.



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TO:  
**MR. NORMAN STACEY**  
 2960 West 41st Ave.,  
 Vancouver, B.C.

## CERTIFICATE OF ASSAY

No.: 7609-2154      DATE: Sept. 23/76

We hereby certify that the following are the results of assays on:

Ore

MARKED	GOLD	SILVER	XXX	XXX	XXX	XXX	XX	XXX
	OZ/ST <del>GR/MT</del>	<del>XXXXXXXX</del> OZ/ST GR/MT						
<u>E-6275</u>								
951 I	0.012							
952 I	0.010							
953 I	0.002							
954 I	0.018							

*COPY - BROWN SUPERINTENDENCE WITH 70% COUPLER  
 PULPS  
 80% WHITE SILTZ 10% LIMEWATER, TRACE OF  
 ZINC, LEAD AND COPPER - OTHER CONCENTRATIONS, 2% PULPS  
 MAIN APPLICATION - 200% PULPS.*

NOTE: REJECTS RETAINED ONE MONTH. PULPS RETAINED THREE MONTHS. ON REQUEST PULPS AND REJECTS WILL BE STORED FOR A MAXIMUM OF ONE YEAR.  
 ALL REPORTS ARE THE CONFIDENTIAL PROPERTY OF CLIENTS. PUBLICATION OF STATEMENTS, CONCLUSION OR EXTRACTS FROM OR REGARDING OUR REPORTS IS NOT PERMITTED WITHOUT OUR WRITTEN APPROVAL. ANY LIABILITY ATTACHED THERETO IS LIMITED TO THE FEE CHARGED.

*[Signature]*  
 I. WONG  
 PROVINCIAL ASSAYER

**COPY**

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ATTACHMENT #1  
SKETCH MAP OF MARINER II CLAIM # 257 (9)  
MAP REF 93A/11AW

