SHELL CANADA RESOURCES LIMITED
RED CLAIM ASSESSMENT REPORT
GEOLOGICAL MAPPING AND PROSPECTING

104-P-4/5, LIARD MINING DISTRICT, B.C.

Submitted by C. J. C. Bloomer
July 26, 1979
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Figure 1: 1:25,000 Geological Compilation and Location Map (In Back)

Figure 2: 1:5,000 Topographic and Geological Map of the Red Claim (In Back)
**Introduction**

The Red Claim consists of four units currently held under option by Shell Canada Resources Limited from W. J. Storie of Cassiar, British Columbia.

As part of a preliminary exploration programme Shell Canada Resources Limited carried out detailed geological mapping and prospecting over the Red Claim. The purpose of the programme was to locate any sulphide showings within the Devonian-Mississippian volcanic rocks of the Sylvester Group that underlay the Red Claim, and to examine areas of vein quartz for possible gold mineralization.

**Property**

The Red Claim consists of four units owned by W. J. Storie of Cassiar, British Columbia. Shell Canada Resources Limited of Calgary, Alberta currently hold an option agreement with W. J. Storie for the Red Claim.

The valuation of work applied for in this report is for a period of one year for all of the four units of the Red Claim.

**Location and Access**

The Red Claim is located in the Liard Mining District of British Columbia approximately eight kilometres southwest of the junction of the Cassiar-Stewart highway (B. C. Hwy. 37) and the turn off to the townsite of Cassiar, British Columbia.

The Cassiar-Stewart highway (B. C. Hwy. 37) bisects the Red Claim.

**Work Completed**

A detailed geological mapping and prospecting programme was carried out over the Red Claim between June 18, 1979 and June 20, 1979. Mapping was completed on a topographic base map at a scale of 1 cm = 5,000 cm (1:5,000) prepared from an orthophotographic mosaic of the same scale. The geological base map is included as Figure 2.

The purpose of the programme was to locate any sulphide showings within the Devonian-Mississippian volcanic rocks of the Sylvester Group that underlie the Red Claim and to examine areas of vein quartz for possible gold mineralization.
Geology

The names and ages of the units are taken from G.S.C. Memoir 319, "McDame Map-Area, Cassiar District, British Columbia, Hubert Gabrielse, 1963", and Map Sheet 1110A, McDame.

The Red Claim is underlain by basic volcanic and argillaceous sedimentary rocks of the Devonian-Mississippian Sylvester Group.

The Sylvester Group is made up of basaltic to andesitic volcanic rocks and argillaceous to greywacke sedimentary rocks. Minor stratiform copper mineralization has been noted within the Group.

Within the Red Claim the Sylvester Group is a massive basaltic-andesite with minor pyrite. Quartz stockwork veins with associated carbonatized zone cut the volcanic rocks in some locals.

Results and Recommendations

Geological mapping and prospecting of the four units of the Red Claim failed to locate any sulphide or gold mineralization.

Further work within the Red Claim is not recommended for the present time.
APPENDIX I
Qualifications of Author

I, Christopher J. C. Bloomer state that I am a geologist in Minerals Exploration of Shell Canada Resources Limited of Calgary, Alberta. I have obtained a B.Sc., '77 degree at the University of Toronto and have practiced my profession since graduation. I was directly involved with the work submitted here in this report.

Christopher Bloomer

C. J. C. Bloomer
Geologist
Minerals Exploration
Shell Canada Resources

J. M. Brander, P. Eng.
Senior Staff Geologist
Minerals Exploration
Shell Canada Resources Limited
Expenditures

The Red Claim was worked from June 18, 1979 to June 20, 1979 by one geologist and a geological assistant. Below is a listing of expenditures.

1) Christopher Bloomer (Geologist): 2 days @ $85.00/day = $170.00
2) Larry Gagnon (Geological Assistant): 2 days @ $65.00/day = 130.00
3) Room and Board: 4 man days @ $45.00/man day = 180.00

Total Expenditures: $480.00