

**BC Geological Survey  
Assessment Report  
31061**

**2008 - 2009**

**PROSPECTING REPORT**

**“Sowaqua One Property”**

**EVENT # 4290914      TENURE # 536937**

**Tenure Name: GPEX LXLVII**

**Coquihalla Gold Belt Region**

**New Westminster District**

**Map 092H**

**Coordinate Reference**

**121° 11' 53.0" W Longitude – 49° 23' 37.3" N Latitude**

**Date of Report – September 11, 2009**

**Tenure Owner - William Larry Amey**

**FMC 145191**

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**Note: Unless otherwise referenced, map submissions are enhanced excerpts from the BC Ministry's Provincial Mapping System. Scale as that shown.**

## **Introduction & Location**

The Sowaqua One tenure, # 536937, a one-cell Mineral claim comprising 21.026 hectares, is situate approximately 16 kilometers east of Hope, along Sowaqua Creek, a northwesterly flowing tributary of the Coquihalla River. The property lies along the Coquahalla Gold Belt, a northwest trending mineralized zone, more commonly known as the Hozameen Fault. The general area is well notarized for its gold-bearing mineralization, with the more prominent of deposits being, the Carolin Mine, situate approximately 13.5 kilometers to the north-northwest of Sowaqua One..

## **Access**

Access to the property is gained via a good two-lane graveled forestry road, exiting BC Highway #5 (the Coquihalla Highway) fifteen kilometers north of the BC Highway #3 intersect, at the Sowaqua Creek turnoff.

## **Previous Work**

Previous prospecting was conducted on the tenure by the author during the 2006-2007 fiscal period and the 2007-2008 fiscal period. However, more in-depth prospecting had been conducted by A. Guyon on the A&W claim (Minfile 092HSW080), one kilometre to the south. The A. Guyon work is further described in Aris Report 11449, which serves to offers a more thorough reference of the area's underlying geology. Historically, placer operations along Sowaqua Creek yielded both gold and platinum, which had been recovered at creek level and from shafts, during the 1920's (Minfile 092HSW148).

## **General Area Geology**

In reference to the above-noted work by others, the tenure area's generalized geology is described as being, underlain by Permian to Jurassic Hozameen Complex rocks comprised mainly of interbedded chert, pelite and volcanic sandstones with distinct grey and black banding. The pelite is dark green and chloritized, with traces of calcareous and weakly hematitic bands. Minor quartz veinlets and secondary pyrite veinlets crosscut these metasediments. The Hozameen Complex is intruded by sill-like bodies of quartz diorite which are weakly foliated. The Hozameen fault traverses south-southeast separating the lower greenschist facies rocks of the Hozameen Complex from unmetamorphosed Mesozoic rocks to the east. Ultramafic rocks are cut by greenstones of the Hozameen Complex which generally occur along this fault. There is extensive shearing along the contact and in places the ultramafics appear to be intrusive. The ultramafic rocks which occur along the Hozameen fault are part of the Coquihalla Serpentine Belt.

..... *Geology continued*

*Geology continued.....*

In 1980, at the site of the A&W showing, samples were collected from a highly altered pelite close to a serpentinized intrusion,. The intrusion is described as having a granitic texture with chlorite and soft talc with clusters of radiating andalusite crystals. The pelite hosts secondary quartz and pyrite veinlets. Also, intense limonitic staining occurs adjacent to the intrusion. A grab sample from the pelite assayed 0.34 gram per tonne gold (Assessment Report 9581). Drilling in 1983 indicated short intervals of chlorite-silica- pyrrhotite in the black argillite which hosts disseminated to massive pyrrhotite. The argillite also contains quartz stringers with disseminated pyrrhotite. The pyrrhotite-rich sections in the argillite are oxidized and are associated with limonite and hematite. Thirty-three samples containing silica with visible pyrrhotite and pyrite were assayed. Assays yielded traces of gold, silver, copper and nickel (Assessment Report 11449).

At the St. Patrick showing, mineralization occurs along the contact between the serpentinite and diorite intrusion. Numerous quartz-carbonate veinlets crosscut the serpentinite. The veins and fracture fillings range from 2.5 to 20 centimetres in width. In 1983, samples collected from the quartz-carbonate veinlets averaged 0.343 gram per tonne silver and 0.034 gram per tonne gold. Samples collected from the serpentinite assayed 0.034 gram per tonne gold, 0.343 gram per tonne silver, 0.186 per cent nickel and 0.213 per cent chromium. Another sample assayed 0.213 per cent nickel and 0.069 per cent chromium. The laboratory testing facility found it difficult to dissolve and analyze the samples for chromium (Assessment Report 11449).

**Summary**

Prospecting on the claim was carried out over the traverse indicated by red line marking on Map 2, hereto attached. The 2008-2009 fiscal work centered around sampling creek gravels and bank sediments along Sowaqua Creek, commencing from the point where the 2007-2008 program completed, thence eastward to the claim's boundary. Approximately fifteen pans each were that which was sampled for indicator elements of potential underlying ore bodies. Such gravels bore heavy clay content, yet we carefully hand panned to determine any presence of gold, silver and/or copper-bearing mineralization. In total, approximately thirty-five fine colors of Au were recovered, along with one small (2 mm) flake of native copper. However, when the black sands saved were viewed later under microscope, some showed the attachment of gold to portions of their exterior. This matter was not pulverized to determine interior content.

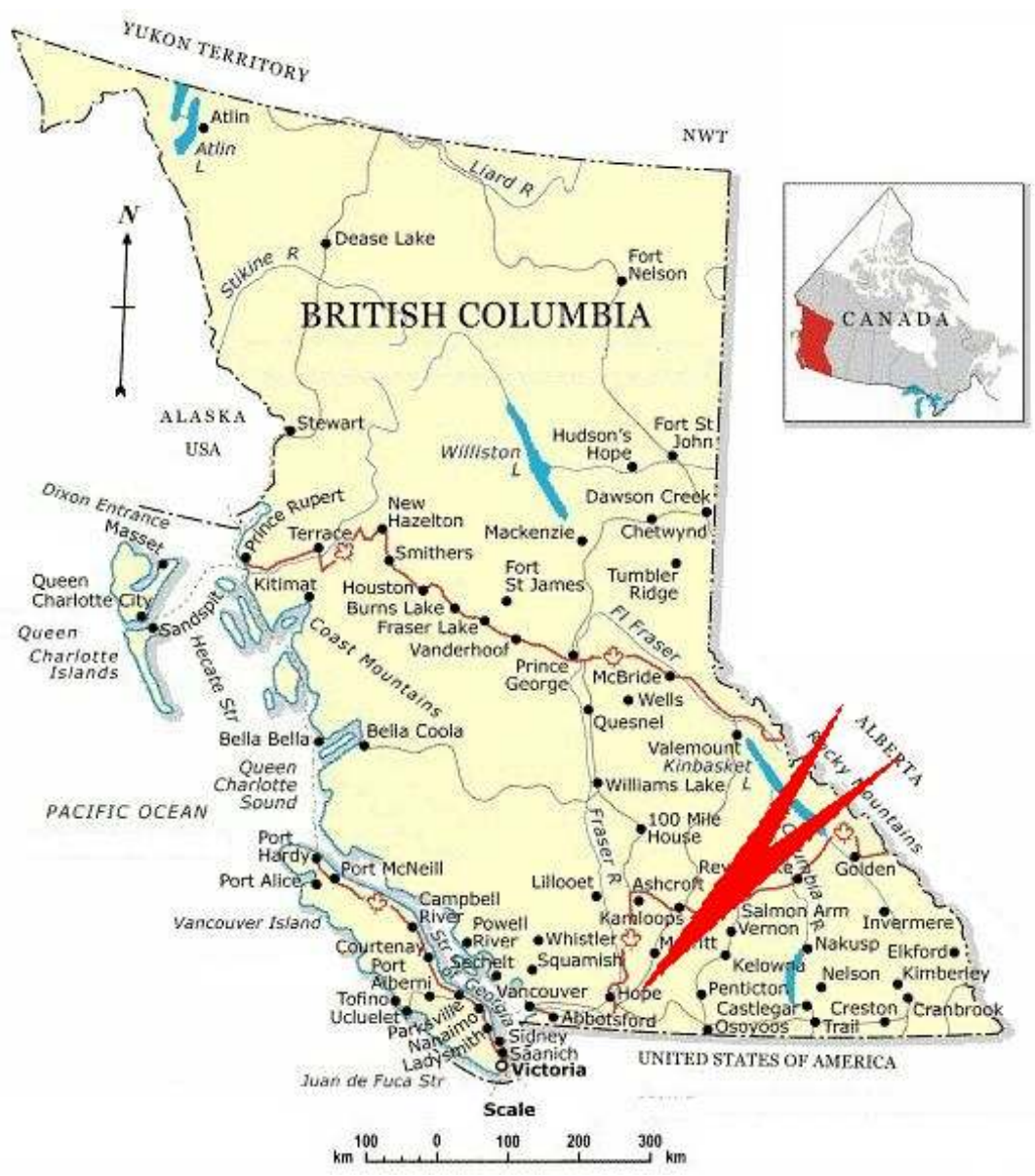
**Conclusion**

It was felt this property should be renewed to facilitate further explorations.



# REFERENCE MAP 1

## Geographical Location



**REFERENCE MAP 2**

**Area of Work**  
(Signified by Red Markings)

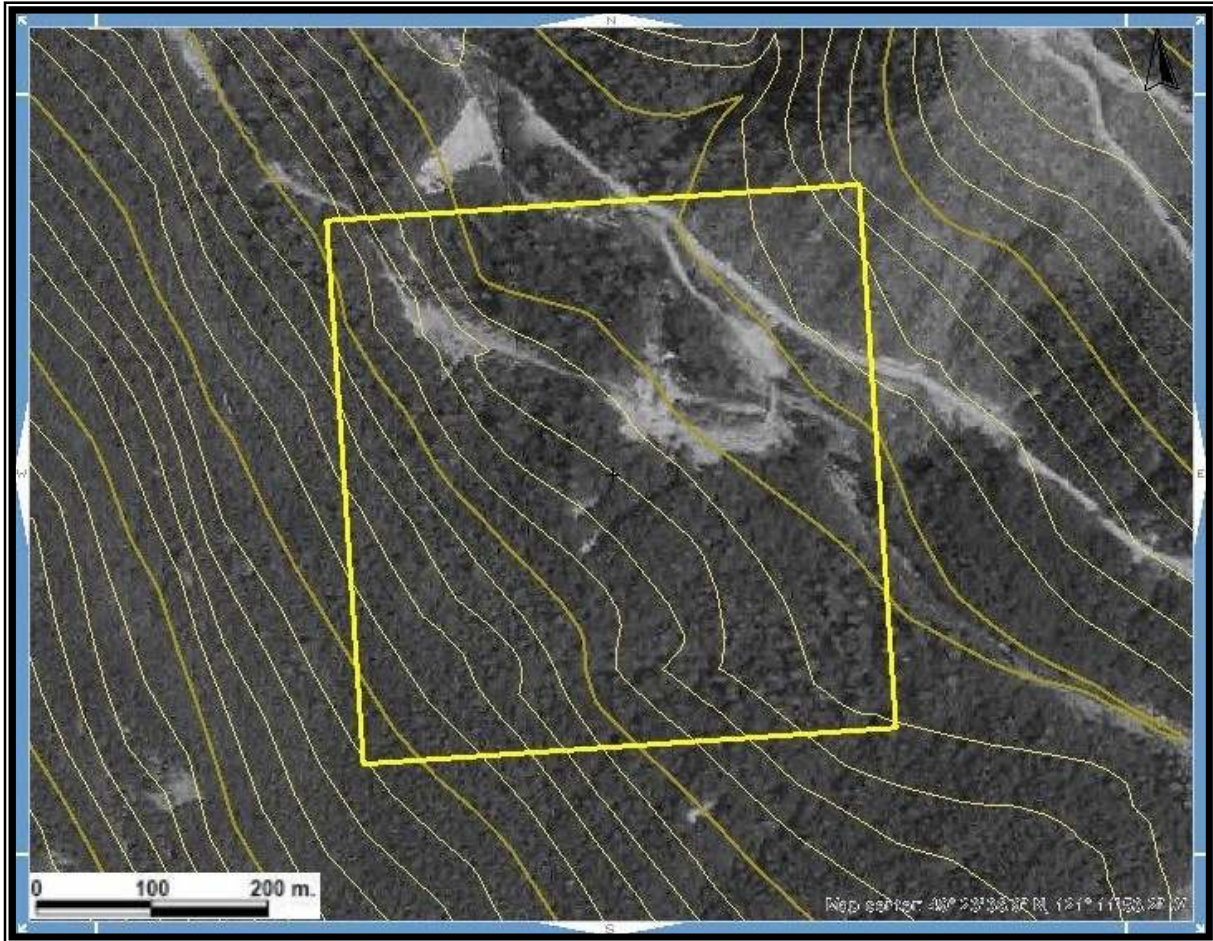


Scale 1: 5,000  
Map 092H Excerpt  
Tenure Coordinate Reference  
121° 11' 53.0" W Longitude – 49° 23' 37.3" N Latitude



**REFERENCE MAP 3**

**Contour Map of Tenure Area**



**Scale 1: 5,000**

**Map 092H Excerpt**

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