

# Assessment Report on Prospecting

Golden Gap 1-8 Claims, Sawmill Creek Area

Fort Steele Mining Division  
British Columbia

N.T.S.            82f09 E  
Latitude        49 - 32' 26"  
Longitude      116 - 02' 00"

MINERAL TITLES BRANCH	
Rec'd.	
JUN 05 1997	
L.I. #	_____
File	_____
VANCOUVER, B.C.	

## Owner

Mike Kennedy  
2290 DeWolfe Avenue  
Kimberley, B.C.  
V1A - 1P5

## Operator

Mike Kennedy

## Report By:

Mike Kennedy

GEOLOGICAL SURVEY BRANCH  
ASSESSMENT REPORT

25,027

## **Table of Contents**

1.00	Introduction
	1.10 Location and Access
	1.20 History
	1.30 Property
	1.40 Scope of Present Work
2.00	Prospecting Report
3.00	Conclusions
4.00	Statement of Costs
5.00	Authors Qualifications

## **List of Illustrations**

Figure 1. Location Map

Figure 2. Claim Map

Figure 3. Prospecting Traverse Map

## 1.00

## Introduction

### 1.10 Location and Access

The Golden Gap 1-8 mineral claims are located approximately 25 km north west of Cranbrook B.C. (see location map, figure 1 for location of claim block). The claims are located between Sawmill and Lisbon creeks, mid-slope, within the Perry Creek drainage, in the Fort Steele Mining Division. The claims are on reference map N. T. S. 82f09E centered near latitude 49 - 32' 26" and longitude 116 - 02' 00".

The property is accessed from Hospital Creek road, northwest of Cranbrook, up the Perry Creek logging road, then either by the Sawmill or Lisbon creek logging roads. The distance traveled on logging roads is 14 km. All of the mineral property is easily accessible by foot.

### 1.20 History

This area has been held under tenure by junior mining companies and individuals through the past 25 years.

### 1.30 Property

The Golden Gap 1-8 claims (figure 2) are a contiguous block of claims owned by Mike Kennedy, 2290 DeWolfe Ave. Kimberley B.C.

Claim name:	Golden Gap 1 - 344151	Golden Gap 2 - 344152
	Golden Gap 3 - 344153	Golden Gap 4 - 344154
	Golden Gap 5 - 345626	Golden Gap 6 - 345627
	Golden Gap 7 - 345628	Golden Gap 8 - 345629

Current Expiry Dates:	Claims Golden Gap 1-Golden Gap 4	March 2, 1997
	Claims Golden Gap 5-Golden Gap 8	April 24, 1997

### 1.40 Scope Of Present Work

The objective of the 1996 prospecting was to provide ground confirmation of silica flooding within an area of heavy brecciation between the St. Mary's and Perry Creek faults. Geology mapping in this area has been completed by private companies and the Provincial Government.

## Prospecting Report

The Golden Gap claims overlay an area of shearing and brecciation within rocks inclosed by the intersecting St. Mary's and Perry Creek faults. Both structures hosts small gold deposits directly north and south of the Golden Gap claim groups. The majority of bedrock is located on the eastern section of the claim block, south of the Perry Creek fault.

Major features of interest that exist on the claim block and adjoining ground are the following:

- 1) Argillic alteration
- 2) Silicification
- 3) Hematite magnetite breccia float
- 4) Hematite mineralization adjacent to property
- 5) Gold mineralization adjacent to property
- 6) Structural complexity

### **2) Argillic alteration**

The logging road which traverses through the western portion of the claim group has exposed a wide zone of argillic alteration. This zone is widespread and can be traced by a strong colour anomaly. The colour anomaly favours a northwest, southeast trend and approximately parallels the Sawmill Creek drainage.

### **2) Silicification**

Within the argillic alteration zone quartz float is quite common. Most of the float encountered is angular and limonite/pyrite rich. The silicification encountered in the road cut within the argillic envelope is also quite pyrite rich, with abundant sericite mica and carbonate alteration.

### **3) Hematite Magnetite breccia float**

Another common type of mineralized float encountered is hematite magnetite breccia. This float can be found erratically dispersed over adjoining and claim block ground. All float observed was strongly mineralized with fresh pyrite and/or limonite. Chlorite is also common along fractures and as part of the breccia matrix along with hematite and magnetite.

### **4) Hematite Mineralization in Sheared Sediments**

On the Golden Gap 6 claim a shear zone has been exposed in a road cut. These northeast trending structure hosts scattered developments of hematite seamlets both on the hanging and footwall. This alteration accompanies narrow quartz veining which is carbonate and pyrite rich.

### **5) Gold Mineralization adjacent to the Property**

Directly south of the Golden Gap 1 and 2 center line a gold occurrence exists as part of the above mentioned argillic envelope. This occurrence is currently being evaluated by a junior mining company. Northwest of the Golden Gap 1 claim another gold occurrence is actively being explored. Both of these zones are associated with argillic alteration and hematite and magnetite breccia similar to those found on the Golden Gap claim block in place and float.

### **6) Structural Complexity**

The Golden Gap claims occupy ground that lies between the northeast St. Mary's fault on the north and the northeast trending Perry Creek fault to the south. The argillic alteration indicates structure parallel to Sawmill Creek. This orientation (northwest) is quite prevalent in the Pre-cambrian rocks, and possibly indicates an old reactivated structure. Of further interest is the existence of Nicol Creek Volcanics, and upper middle proterozoic lithology in contact with middle proterozoic Creston formation. This would indicate another northeast structure on the eastern section of the Golden Gap 7 and 8 claims.

## **3.00**

### **Conclusions**

Prospecting has indicated the existence of a large argillic alteration zone with accompanying quartz flooding. The Golden Gap claims seem to be centered in an area of intense hydrothermal channeling. Future work should include float and/or soil geochemistry to determine the presence of gold mineralization on the claims as well as a VLF-EM and magnetic survey to identify hidden structures.

#### 4.00

#### Statement of Costs

Prospecting (Mike Kennedy) 3 days @ \$230.00 per day (includes vehicle)	\$690.00
Report writing (Mike Kennedy) 1 day @ \$200.00 per day (includes typing)	\$200.00
<b>Total Cost</b>	<b><u>\$890.00</u></b>

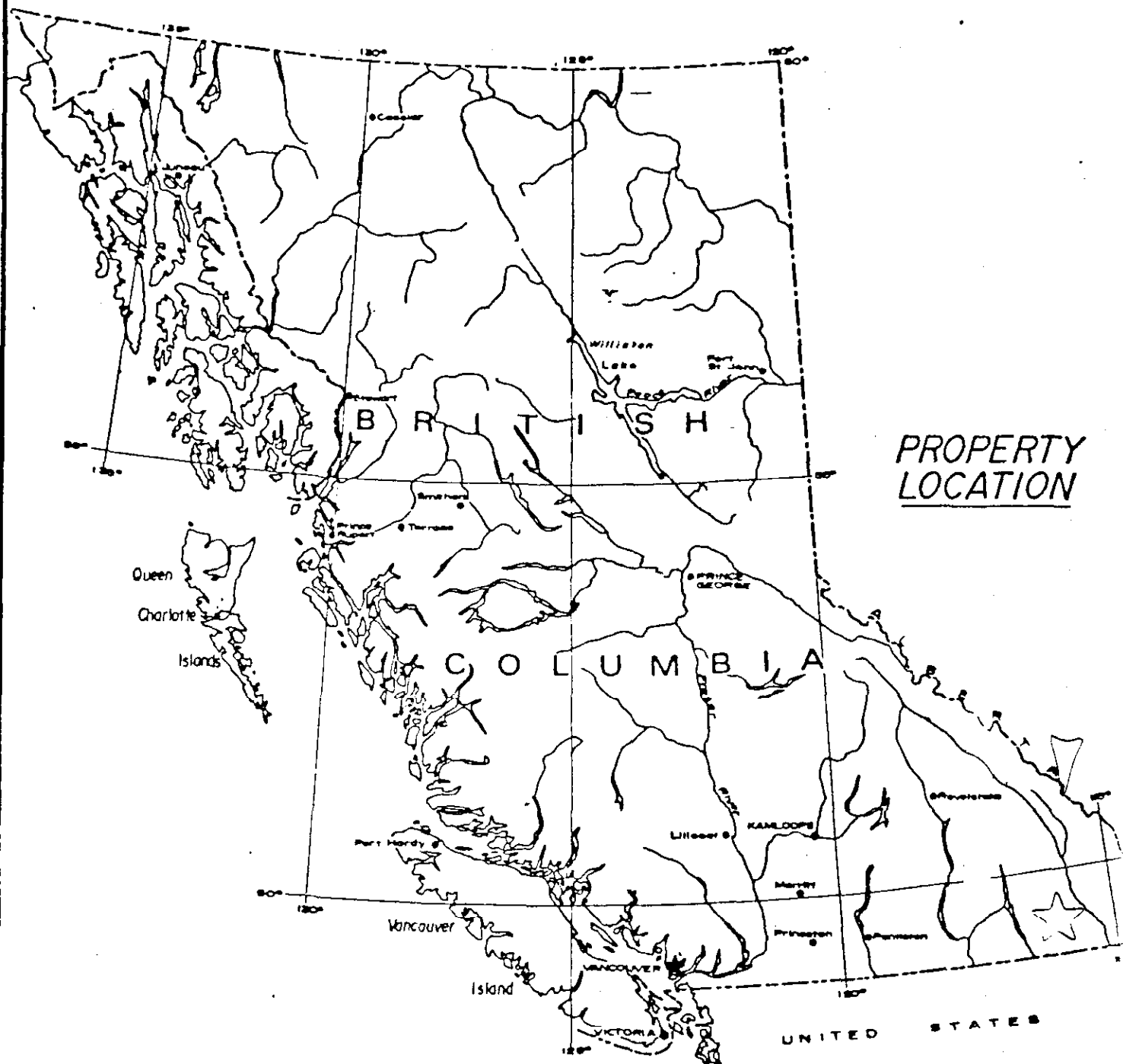
#### 5.00

#### Statement of Qualifications

As the author of this report, I Mike Kennedy certify that:

1. I am an independent prospector residing at 2290 DeWolfe Avenue, Kimberley B.C.
2. I have been actively prospecting in the East Kootenay district of B. C. for the past 5 years, and have made my living by prospecting for the past 3 years.
3. I have been employed as a professional prospector by major and junior mineral exploration companies.
4. I own and maintain mineral claims in B.C. and have optioned numerous claims to various exploration companies.

Signed Mike Kennedy  
Mike Kennedy



PROPERTY  
LOCATION

Figure 1  
Golden Gap  
LOCATION MAP

