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*Glouster*

*on ref list.*

PROSPECTING REPORT

ON

THE GLOUSTER AND G. H. CLAIMS

GREENWOOD MINING DIVISION

BRITISH COLUMBIA

Nature of Report: Prospecting  
Claims Involved: Glouster (L2809) Rec. No. 1860; G.H. (L2810) Rec.  
No. 1859.  
Mining Division: Greenwood  
NTS Location: 82E/9W  
Latitude: 49°34'30"N  
Longitude: 118°22'W  
Registered Owner: Guy Allen  
Operator: Guy Allen  
Consultant: Allen Resource Consultants Ltd.  
Author of Report: Guy Allen, P. Eng.  
Date of Report: September 4, 1982

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

*82ENECC05.*

10,953

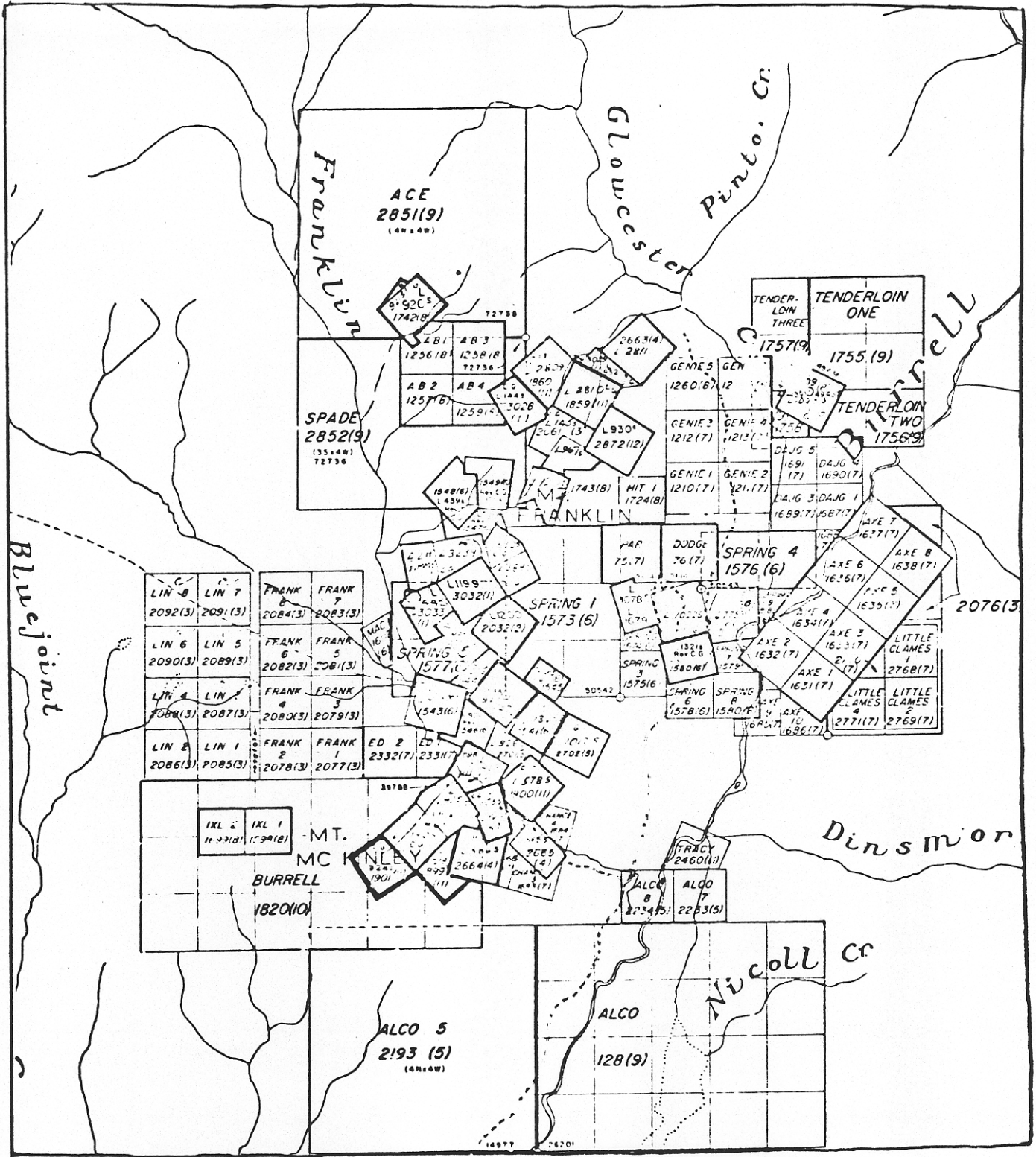


PLATE NO. 2

GLOUSTER PROPERTY

CLAIM MAP

Scale: 1 :: 50,000

## Introduction

Two days, August 17th and 18th, 1982, were spent locating, examining, and mapping the workings and mineral occurrences on the Gloucester claim.

The two claims, the Gloucester (L2809) Rec. No. 1860 and the G.H. (L2810) Rec. No. 1859 are located on the north slope of Mount Franklin, approximately 72 kilometers north of the town of Grand Forks, B.C., in the Greenwood Mining Division. Access to the claims is by the Granby River road, north from Grand Forks, then the Burrell Creek road to its junction with the secondary road leading to the Franklin Camp. This road is taken to its junction with the Franklin Creek road, which is followed around the south and west faces of Mount Franklin to within a mile and a half of the claims. Access from this point is by rough, four-wheel track. The claims occupy the moderate north slope of Mount Franklin, above Gloucester Creek.

Reports on the property date from 1900. During that year a 40 foot shaft was driven on a vein, which returned good gold and copper assays. This shaft was deepened by ten feet the following year on the Gloucester claim, and a 24 foot shaft was driven on the G.H. claim. In 1904, a 200 foot tunnel was run on the Gloucester claim, beneath the shaft with the hopes of encountering the vein at depth. This work was completed over the next two years, but was unsuccessful in reaching the vein. A 40 foot wide magnetite vein was encountered on the G.H., with values in copper and gold.

Work did not resume until 1913 when the Dominion Copper Company drove a 215 foot adit and a 93 foot raise at the end of the adit in an unsuccessful attempt to cut the vein. The property was bonded in 1915 by the Granby Company with some additional development work.

The property was diamond drilled in 1920. Eight holes, totalling

2,888 feet on the Gloucester claim, cutting greenstone, cherty quartzite, and an altered tuff, intermingled with granodiorite at the contact. Throughout the formations were small veinlets cut by pyrite, hematite, and chalcopyrite. Two holes were drilled on the G.H. claim, cutting a magnetite zone showing specks of chalcopyrite, and a considerable amount of magnetite and hematite carrying small values in gold and silver. This was the last reported work on the claims until 1977, when they were prospected by the Hecla Mining Co.

The claims are presently owned by Guy Allen, Box 7248, Postal Station E, Calgary, Alberta, who is also the operator.

The economic potential of this property is ascertained to be in gold and silver values, should mineralized rock of sufficient tonnage and grade be discovered.

During this examination, the Gloucester claim was prospected, the workings located and examined, and mineralized material sampled for assay.

#### Detailed Technical Data and Interpretation

The area believed to be occupied by the Gloucester claim was initially prospected to locate the old, reported workings.

Inclined Shaft: A large, open, inclined shaft was located on the moderate, northwest slope of a small valley, which runs northeast into Gloucester creek. The top of the shaft measures 2.2 meters by 3.3 meters. The incline strikes at  $242^{\circ}$  and dips at  $62^{\circ}$ . Observed in the walls of the shaft is a strong, vein-filled shear, running from corner to corner at the top of shaft. The shear strikes at  $257^{\circ}$  and dips at  $77^{\circ}$  northerly. At the west corner of the shaft wall, the vein widens from 2 inches at the surface to 15 inches, some 3 meters down the wall. At the east corner, the vein is 24 inches wide at

the surface. The country rock at the surface surrounding the shaft is also mineralized, especially around the south corner of the shaft. The strike of the mineralization in this area is  $65^{\circ}$ . There is considerable jointing in the country rock parallel to this strike. The country rock is primarily a cherty quartzite phase of the Franklin Group. This rock is highly faulted and fractured. The shaft appears to be open for most of its reported depth, although unsafe for entering without climbing equipment. It was not examined at depth. A sample of mineralized dump material at the shaft assayed: Au - 0.042 oz/T, Ag - 1.6 oz/T, Cu - 7.74%, Pb - <0.01%, Zn - 0.055%.

Two localized, mineralized outcrops were observed at 2.7 meters and 3.5 meters at  $265^{\circ}$  from the south corner of the shaft. The mineralization in this general area consists of chalcopyrite, sphalerite, pyrite and magnetite in a very limy, cherty, quartzite.

Upper Adit: The Upper Adit is located uphill a distance of 33 meters on a strike of  $243^{\circ}$  from the shaft. This adit strikes at  $290^{\circ}$ , and exposes at the portal a one to two foot zone of irregular mineralization. A sample of this material assayed: Au - 0.009oz/T, Ag - 0.16oz/T, Cu - 0.28%, Zn - .038%, Pb - .023%. Outcropping at the portal is a series of quartzites varying from a light grey, very cherty variety to a dark grey, argillaceous type.

Mid Adit: On a strike of  $133^{\circ}$  and a slope distance of 17.7 meters downhill <sup>from the shaft,</sup> on a  $30^{\circ}$  slope, is located the portal of the Mid Adit. The country rock around this portal is also a quartzite, with much less chert, and less lime content. Faulting and fracturing is also evident to a lesser degree. There is no mineralization observed in place. The Mid Adit strikes into the hillside at  $296^{\circ}$ . Some mineralized rock was observed in front of the portal, but it is not known if this material came from the interior of the adit.

Main Adit: The Main Adit lies 42.6 meters down a 32° slope from the Mid Adit. at 80°. This adit strikes into the hillside at 290°. Outcropping at the portal is a medium-grained granodiorite, light grey in colour, composed primarily sodic and calcic feldspers with minor dark minerals and quartz. There is no evidence of sulphide mineralization either in outcrop, or on the dump.

A trenched pit was located prospecting the upper part of the hillside, east of the aforementioned workings. This appears to be located just within the southwest boundary of the claim. The pit measures approximately 3 meters by 3 meters, and is about 1½ meters deep. Most of the rock exposed is very rusty. The material is a massive, blocky intrusive, probably granodiorite. Evidence of ultrabasics is also evident. A sample from this pit assayed: Au - 0.089 oz/T, Ag - 0.03 oz/T, Cu - 0.036%, Pb - 0.01%, Zn - 0.018%

It would appear, from the cursory examination, that sulphide mineralization on this property is developed within a skarn zone associated with the contact between the intrusive body and limy quartzites of the Franklin Group. It was significant to observe that most pieces of mineralized material gave a positive HCl test.

Further investigations of this property are warranted. Detailed geological mapping is required to trace the intrusive/Franklin Group contact, and identify areas of the aforementioned quartzite zones near this contact.

#### Itemized Cost Statement

1. Field Services		
M.L. Melott, geologist; 2 days @ \$150.00		\$300.00
G. Allen, P. Eng. geological engineer; 2 days @ \$150		\$300.00
2. Expenses		
Truck mileage; Calgary to property & return		
904 miles @ 30¢		\$271.20
Meals		\$58.00
Accommodations		\$83.46
3. Report & Map Preparation		
G. Allen, P. Eng. 1½ days @ \$150		\$225.00

