

1814

GEOLOGICAL REPORT  
on the  
ANANDY GROUP, OMBLAIN DISTRICT  
BRITISH COLUMBIA

Property of Mr. J. A. Willican  
Grand Forks, B. C.

prepared by  
STEREOGRAMMETRY LTD.  
Peter J. Hama, Ph.D., P.Eng.

April 28, 1969

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Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT

NO. 1814 MAP

GEOLOGICAL REPORT  
on the  
AMANDY GROUP, BOUNDARY DISTRICT  
BRITISH COLUMBIA

Introduction

A photogeological and field investigation was carried out on the Amandy Group, upon request by Mr. J. A. Millican, Grand Forks, B.C., holder of the Amandy Group claims, Boundary District, B.C.

The Amandy Group consists of four leased crown-granted claims, namely:

Amandy	L.2795	Alice	L.698
Lady of the Lake	L. 1171	Roderick Dhu	L.598

and eight staked and recorded claims:

Skipper # 1 to # 8. (Skipper # 1 to # 6 cover the former crown-granted claims Agnes, Electric, Halifax and Moonlight).

The claims are located 6 miles northeast of Greenwood, at latitude  $49^{\circ}11'$  and longitude  $118^{\circ}37'$ .

The undersigned carried out a geological field investigation on April 22, 1969 and a photogeological study on April 25 and April 26, 1969. The geological data were compiled and this report was written on April 28, 1969.

Mining History

Mining activity within the Amandy Group was reported by the B.C. Minister of Mines since the late 1890's.

1897 - Roderick Dhu, L. 598. Work was done on two veins, the first being 2" to 14" wide, carrying quartz with galena, pyrite and tellurides. A 50' shaft was sunk on this vein. The second vein is 4' to 6' wide but has not been explored.

Amandy, L.2795. At the south end of the claim a vein 15" to 18" wide carried quartz, galena and pyrite. At the north end of the claim is another outcrop of a 4' quartz vein. Small shafts have been sunk on each.

- 1921            Roderick Dhu, L. 598. A quartz vein, 2" to 12" wide, carried values of 1.12 oz. gold and 1.5 oz. silver.  
Electric, L. 1575. One vein 1 foot wide carried 1.68 oz. gold and 22.9 oz. silver, and 1.6 % lead.
- 1934            Amandy, L. 2795. Three samples of a mineralized quartz vein, 4" to 8" wide were taken from a thousand foot interval.  
#1 - .5 oz. gold                      8.0 oz. silver  
#2 - .7 oz. "                            42.0 oz. "  
#3 - .8 oz. "                            8.0 oz. "
- 1935            Amandy, L. 2795. A sample taken from the shaft assayed .50 oz. gold and 5.5 oz. silver.

1955 - Index No. 3	<u>Tons shipped</u>	Gold, oz/ton	Silver, oz/ton
<u>Amandy</u>	1,167	.29	5.4
Roderick Dhu	28	.57	7.9
	(1940)		

### Geology

The geological map sheet Kettle River, Map 6 - 1957, shows that the Amandy claim group is located within sedimentary and volcanic rocks of the late Paleozoic Anarchist Group, flanked to the north and south by granitic to dioritic igneous rocks of the Nelson Intrusions.

A recent map published by J.W.H. Monger (1967) shows very similar geological conditions. Monger shows also a number of dykes trending in north-northeasterly direction within the Anarchist Group, to the southwest of the property.

The photogeological and fieldgeological investigation undertaken by the undersigned resulted in a modification of the previously known geology. Most part of the property lies within quartzitic schists of the Anarchist Group. There occurs, however, a northerly trending apophysis of the Nelson Intrusive, which has its main body to the southwest of the property. This northerly extension of the intrusive extends through Skipper # 7, and through the western part of the Amandy, Lot 2795. (consult accompanying geological map).

Several major lineaments trending northeast are apparent on the aerial photographs. These lineaments are interpreted as fractures or faults, and strike N 75° E to East - West, and N 30° to 50° E within the property.

The veins previously explored on the Amandy and Roderick Dhu strike north-northeasterly, approximately parallel to the major lineament striking N 30° E. A previous structural analysis by the undersigned in the general Greenwood - Grand Forks area suggested that north-northeasterly and west-northwesterly trending fractures were active at the time of the Nelson intrusion, and are frequently infilled by veins carrying economic minerals. A similar structural relationship is apparent on the Amandy Group. The veins on the Amandy and Roderick Dhu strike north-northeasterly, and are near the apophysis of the Nelson intrusive. It was not possible, however, to identify the veins on the aerial photographs, probably because they are infillings of minor fractures emanating from the intrusive contact.

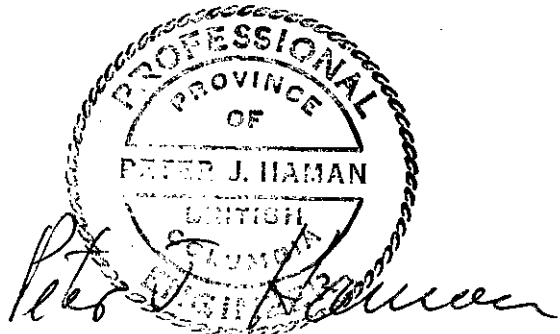
It is recommended that further exploration be concentrated near the northeast contact of the Nelson Intrusive, and particularly along the major lineament striking N 30 E where it intersects the intrusive contact. Soil sampling and biochemical testing together with detailed geological field mapping is suggested.

The geological data described in this report are shown on a geological map with a scale of approximately 4 inches to 1 mile. The map was prepared from aerial photographs flown on June 20, 1964, and were obtained from the Air Division, Dept. of Lands, Forests and Water Resources, Victoria, B.C. The photographs used are: BC 4240 - 014 to 016, and BC 4239 - 215 to 217. The planimetric detail on the accompanying map is not accurate due to varying scale depending upon the elevation of the terrain. The position of the claims as shown on the map must be considered approximate.

#### References

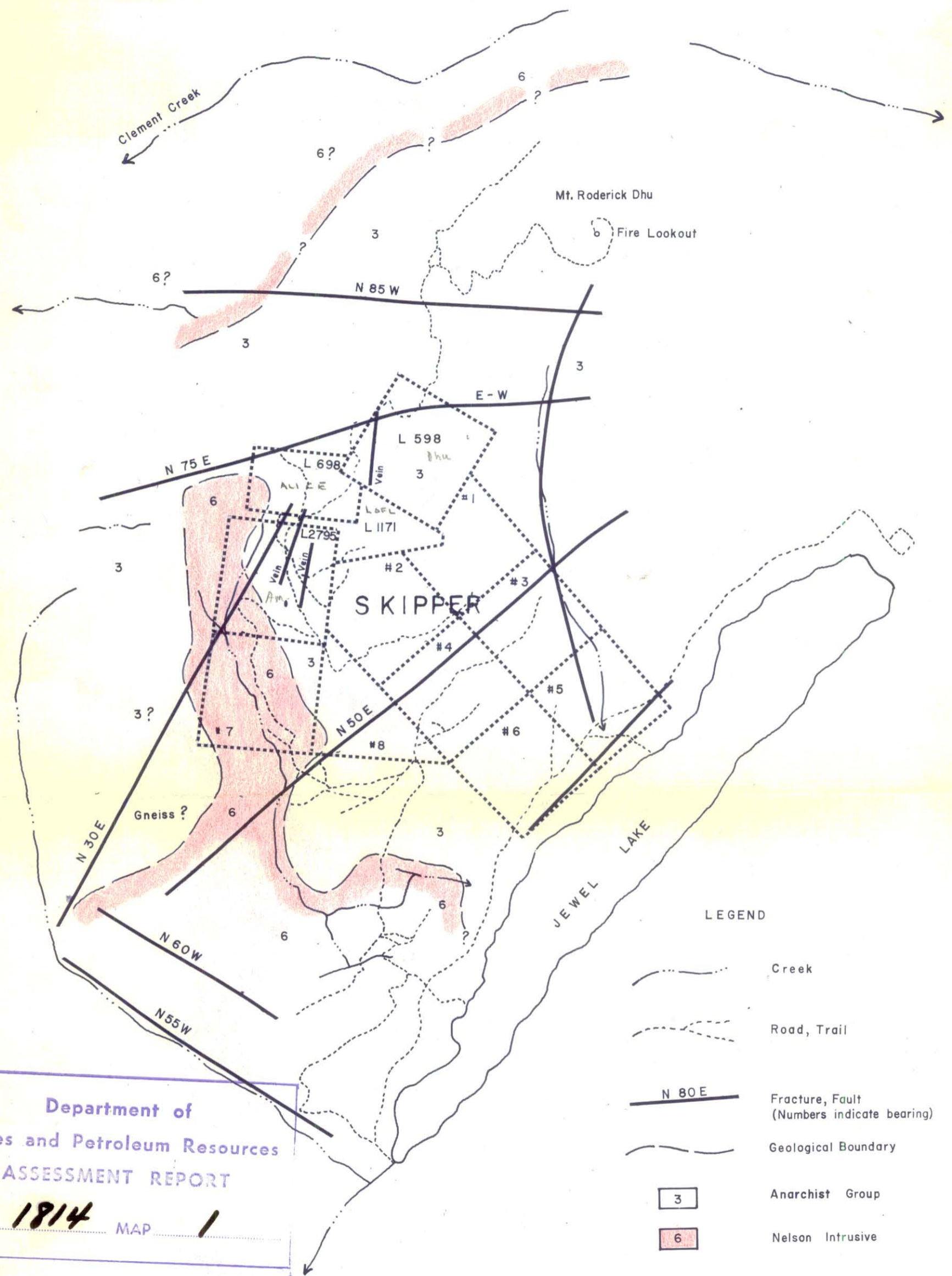
- British Columbia Department of Mines and Petroleum Resources : "Annual Reports of the Minister of Mines for the years: 1897, 1921, 1934, 1935, 1955 - Index No. 3.
- Geological Survey of Canada      Geological Map 6 - 1957, Scale 1 inch to 4 miles  
Monger, J. W. H.                      "Early Tertiary Stratified Rocks, Greenwood Map Area, (82 E/2). Geol. Surv. Can. Paper 67 - 42.

Respectfully submitted,



Expiry Date: March 26, 1970

Peter J. Haman, Ph.D., P.Eng.



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LEGEND

	Creek
	Road, Trail
	Fracture, Fault (Numbers indicate bearing)
	Geological Boundary
	Anarchist Group
	Nelson Intrusive

GEOLOGICAL MAP  
 AMANDY GROUP, BOUNDARY DISTRICT, B.C.  
 prepared by  
 STEREOGRAMMETRY LTD  
 Dr. Peter J. Haman, P. Eng.

Scale approx. 4 inches to 1 Mile

April 28, 1969

*Peter J. Haman*