

NAME *CR - Ministry Reference*

**MINISTRY OF ENERGY, MINES AND  
PETROLEUM RESOURCES  
VICTORIA, BRITISH COLUMBIA**

SUBJECT *82E SE 039 NORTHBUND*

*SUB*  
FILE No. *02*

**PROPERTY FILE 001111**

ANNUAL REPORT OF THE MINISTER OF MINES  
FOR 1936.

Part E -- Special Report  
by

H. Sargent.

The NORTHWIND GROUP includes the Northwind location held by W. H. Montgomery and the Mountain Rose location held in the name of Charles Hutchison, both of Paulson. The claims are situated in the Grand Forks Mining Division about 2.5 miles easterly from Paulson, north of Walker creek on the road leading from Paulson to the Inland Empire camp. The road elevation at the bridge is approximately 4,040 feet, which is about 480 feet higher than the railway crossing near Paulson.

The ground on which the claims are situated is a flat-topped ridge sloping southerly between one of the principal forks of Walker creek, and a gulch a short distance farther west. The ridge has been burned over and is now covered with small second growth, chiefly pine. Outcrops consist of greenstone, probably as remnants of the Rossland Volcanic group in the large area of somewhat porphyritic rock, mapped on Geological Survey of Canada, West Kootenay Sheet, as Nelson Granite.

The workings include a pit on the Mountain Rose, roughly 350 feet north of the Northwind boundary and 75 feet east of the location line. The bottom of the pit was full of water. On the dump there was a little altered greenstone, but most of the rock was pinkish granite in which the ferromagnesian minerals are altered to chlorite, and some specular hematite is developed. The granite is sheared over a width of 7 feet and contains some pyrite. Another pit, near the south boundary of the Mountain Rose, is about 6 feet deep. It exposes shearing in the granite over a width of 5 feet, striking about due north and dipping 65 degrees to the east. Along the foot-wall of the shearing, is from 0.3 to 0.9 feet of somewhat rusty quartz, a sample of which assayed, Gold, 0.06 oz. per ton; silver, 0.8 oz. per ton. There is also some quartz in the rest of the shear. \*

The principal working is approximately 250 feet from the south boundary of the Northwind claim. This consists of a cut driven in rock for about 40 feet following a shear striking 10 degrees west of north and dipping 65 degrees to the east. A flatter seam consisting of 0.1 to 0.7 feet of gouge and some quartz intersects the larger shear near the surface at the face of the cut. This seam dips at about 30 degrees to the east. A sample of material selected from the shear assayed, Gold, 0.52 oz. per ton; silver, 4.6 oz. per ton. Under the flatter seam the granite is sheeted for \*

5 feet east of the main shearing, the 1.8 feet next the steep foot-wall slip containing quartz, some pyrite, and pyrrhotite. A sample across this section assayed, Gold, 0.01 oz. per ton; silver, trace; while a sample of 3.3 feet of sheeted granite containing some pyrite east of the foot-wall section assayed, Gold, 0.01 oz. per ton; silver, trace.

South-east across the bridge is a cut on a narrow joint striking north 45 degrees west and dipping to the north-east. About 50 feet below the road, on the steep slope to Walker creek, is a short adit following a joint striking north 20 degrees west. The wall-rock here is fine-grained.