

92B/12E

92B-49, 92, 93

~~49 Annual Report~~

Xref. 48-123v

MOUNT RICHARDS (48° 123° N.W.)

(Several mineral claims have been staked on the southern and western slopes of Mt. Richards, a bluff hill between five and six miles north of the town of Duncan.) Relatively recent work in the form of surface trenching and cleaning out of old workings has been done on the Jane claim and old workings are present on the Sally and Sally No. 2 claims.

The rocky hillsides of Mount Richards rise abruptly from rolling farm lands to elevations of about 1,000 feet above sea level. In general the hillsides are lightly timbered with fir, arbutus, and oak trees but in places they are densely covered with small evergreens and thick underbrush. Outcrops though abundant are thickly moss-covered.

JANE

92B049

The workings are widely spaced but all are within a mile of the main Duncan - Nanaimo highway. The workings on the Jane Mineral Claim are about half a mile southeast of Westholme railway station, and are reached by a narrow farm road and an old railroad grade that turns east from the main highway less than a quarter of a mile south of Westholme station.

PROPERTY FILE

FILE 92B049

1949

The following table gives assays of samples taken in the adits. The assays show that no silver or gold was present in any of the samples.

Description	Width Inches	Copper %	Zinc %
Lower adit 20 feet from portal	30	Trace	1.9
Lower adit near north end of crosscut	24	Nil	1.7
Upper adit above portal	36	0.05	16.1
Upper adit near face	30	Trace	2.5

Several open cuts in the porphyry east and north of the adits expose pyritic schists and quartz veinlets. The schists contain coarsely crystalline pyrite but no other sulfides were seen and assays show they contain no silver or gold. Quartz (veinlets) in the form of irregular lenses up to 6 inches wide and 3 feet long occur in both the schist and massive diorite, but they appear to contain no sulfides.

SALLY 7256 92 1043

Workings on the Sally claims are at the base of Mount Richards a few hundred yards northeast of Richards Trail, a narrow road branching southeast from the main highway a little more than half a mile south of Westholme station.

92B092

One adit, 45 feet long, was seen on Sally No. 2 claim. It is less than a quarter of a mile northeast of a point on Richards Trail a quarter of a mile from the highway. The adit is in massive diorite containing a few small lenses of quartz. Diorite above the adit is cut by a vertical, irregular quartz vein striking north 60° east and extending up the hill for about 100 feet. The vein is made up of a series of lenses of coarsely crystalline quartz up to 1½ feet wide and 4 to 6 feet long along an otherwise barren fracture. Locally clusters of sulfides, mainly pyrite and chalcopyrite, are present in the quartz especially where northwesterly trending fractures intersect the main fracture. A sample of high grade material taken from a pile of broken quartz at the side of the vein contained 5.6% copper and no silver or gold.

92B093

Workings on the Sally claim are nearly half a mile southeast of the adit on the Sally No. 2 claim. They include three open-cuts and a caved adit along a vertical shear zone striking about north 50° west. The shear zone, which cuts porphyritic andesite, is 4 to 6 feet wide and is exposed over a length of about 500 feet. It contains massive, coarsely crystalline pyrite largely oxidized to limonite in the workings. No sulfides other than pyrite appear to be present and samples from the shear zone and from the waste dumps contained no silver or gold and only a trace of copper.

Mineralized areas and specimens on the Jane and Sally claims were tested for radio-activity but none was detected.