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ANNUAL REPORT OF THE MINISTER OF MINES
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Part F -- Special Report

by

~~B. T. O'Grady.~~ J. S. STEVENSON 1944
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REGINA GROUP. The Regina group comprises the Regina Nos. 1 to 3, inclusive, the Regina #2 Extension, and the Barney Barnato. Two of these, the Regina No. 2 and the Regina Extension, are Crown-grants in good standing; the remainder are reverted Crown-grants, but have been leased to various people.

The workings on these claims are in the heavy timber above the logging slash on the south side of China creek and from 1000 feet to 2000 feet west of Williams Creek, a small stream flowing northward into China creek almost opposite Mineral creek; they are at elevations ranging from 1850 feet to 2550 feet. At present they are most easily reached by following the 26-degree incline of the Alborni-Pacific Lumber Company, up the slope opposite Mineral Creek, to an elevation of 1880 feet, thence through the bush eastward for 125 feet to the first working, a short adit at an elevation of 1860 feet; from a point 40 feet above this working a trail winds eastward for 800 feet to an old cabin at an elevation of 2050 which place was formerly connected with China Creek by a pack-horse trail.

Near the workings the hillside is of uniform steepness, approximately 25 degrees, and heavily wooded by timber, which, although not merchantable, would be suitable mine timber.

Tight quartz-sulphide lenses in green andesite and pyritized, silicified greenstone have been explored by the various workings but nothing of value is as yet indicated.

The adit, previously mentioned, and at an elevation of 1860 feet, has been driven north 55 degrees east for 15 feet in highly silicified and leached andesite that contains such an abundance of disseminated pyrite and ankeritic carbonate that extreme oxidation has occurred. In this connection it may be mentioned that the "Big Showing" exposed at an elevation of 2100 feet on the incline consists of similarly altered and pyritized greenstone, a large bulk sample of which assayed 0.64 in gold and trace in silver; this was highly oxidized material.

One hundred feet south-west from the camp at an elevation of 2100 feet a 20-degree incline has been sunk south-eastward for a minimum, measured distance of 30 feet; at the time of examination it was filled with water. It has been sunk on a tight shear partly-filled by quartz, that strikes north 50 degrees east and dips 20 degrees south-easterly. In the north-east wall of the open-cut leading to the incline a small lens of quartz and accompanying veinlets are exposed, and in the south-east wall close to the floor of the incline there is a zone of greenstone that has been highly

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silicified over a width of 25 inches, and contains a 4-inch quartz lens and numerous related stringers; pyrite and chalcopyrite accompany the quartz; this zone is not continuous for more than 5 feet along the strike. Samples taken across the 4-inch quartz lens assayed only a trace in gold, and 1.0 oz. per ton in silver; whereas a 25-inch sample including quartz veinlets and sulphides assayed: Gold, 0.02 oz. per ton; silver, 0.8 oz. per ton. A grab sample of quartz containing considerable pyrite, chalcopyrite and galena from the dump assayed: Gold, 0.66 oz; silver, 14.0 oz. per ton.

Eight hundred and fifty feet south from the incline and reached by a poorly defined foot-trail going south-westerly for half the distance and south-easterly the remaining half, a short adit has been driven south 20 degrees east for 15 feet at an elevation of 2300 feet. The adit is now mostly caved, but part of the face showed a 2-foot length of a 2-inch quartz-chalcopyrite-galena veinlet; and the east wall at the portal a silicified zone 2 feet wide containing concentrations of pyrite. The zone strikes approximately north 70 degrees east and dips 25 degrees south.

One hundred feet in a direction south 25 degrees east from the last working and at an elevation of 2370 feet an adit has been driven southward for 94 feet along a shear striking north 11 degrees west and dipping 70 degrees north-easterly. The shear contains approximately 1 foot of gouge and crushed greenstone; and over a width of 1 foot in the hanging-wall replacement veinlets of quartz and pyrite. A sample of this material contained, however, only traces in gold and silver. Twenty-five feet from the portal the shear has cut a sheeted zone 1 foot wide, striking north 80 degrees east, dipping 25 degrees southerly, and containing numerous 2-inch quartz veinlets and very little pyrite; this zone is seen in the east wall only of the adit. The main shear ends in the face against another and a barren shear striking east-west and dipping 60 degrees southerly. The rock in the working is dark green andesite, mostly massive, but sheared in the crushed zones.

Two hundred and twenty-five feet in a direction south 25 degrees west from the last adit and at an elevation of 2450 feet, a short adit has been driven south 45 degrees east for 20 feet from a pit at the portal 5 feet deep. The only metallic seen was disseminated pyrite in the rock formation, a highly silicified greenstone, and a small quartz veinlet at the face; a sample of the pyritized rock and quartz veinlet contained only traces in gold and silver.

One hundred and twenty-five feet south, 25 degrees west from the adit there is a caved cut and 75 feet westward from this a second cut, showing similarly mineralized rock.

Seventy-five feet in a direction north 30 degrees west from the last cut and at an elevation of 2500 feet the longest adit

on the property has been driven south 17 degrees east for 33 feet, south 20 degrees east for 64 feet, and south 47 degrees east for 47 feet to the face. For 95 feet from the portal this working has been driven along a narrow shear containing crushed rock, and which strikes north 30 degrees west and dips 65 degrees north-easterly. The hanging-wall consists of silicified andesite containing disseminated pyrite and occasional quartz stringers and at 90 feet from the portal a one by two-foot lens of barren quartz. At 97 feet from the portal a 4-inch lens of barren quartz and chlorite strikes north 50 degrees east across the adit, dipping 30 degrees south-easterly. From here to the face the typical rock, andesite, prevails.

Various claims in the Regina group were apparently first Crown-granted in 1898 and 1899 to the Alberni Gold Development Syndicate. All the workings and cabin are very old, probably dating from the late 90's, the only recent work apparently being the cleaning out of the incline and possibly some in the open-cut adjacent.

Mention of the property may be found in the Minister of Mines Annual Reports for 1898, 1899, 1930, and 1933.

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