

**THE BLUE GROUSE MINE** is a former copper-silver producer located on southern Vancouver Island. The Blue Grouse Mine operated from 1917 to 1919, and from 1956 to 1960, producing 275,000 tons yielding 15,000,00 lbs. of copper and 78,800 oz. of silver. The Sunnyside deposit, also located within the claims produced 114 tons yielding 9100 lbs. of copper and 7 oz. of silver. Public records indicate that the Blue Grouse reserves were not completely exhausted. In addition, there are reports of hand sorted ore running 10% copper, 6 oz. silver and 0.08 oz. gold per ton.

The claims are underlain by volcanics and limestones of the Upper Triassic Vancouver Group, which have been intruded by Upper Jurassic feldspar porphyry dykes and sills. Stratigraphically overlying these rocks are Bonanza Group volcanics and sediments and Nanaimo Group sediments. Copper mineralization in skarns and volcanics is associated with the feldspar porphyry intrusions. A reconnaissance traverse located small copper showings south of the main area of the present survey. Geophysical surveys have outlined several anomalous zones in areas favorable for mineralization. The geochemical survey shows the Blue Grouse and Sunnyside areas to be anomalous in copper, and have outlined a zone reflecting a possible extension to the Sunnyside deposit. A 100m x 100m zone anomalous in gold geochemistry was located some 2.3 km northeast of the Blue Grouse deposit.

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