

"In passing down Alberni Canal from the settlement, carbonaceous shale can be seen exposed along the shore at the old Alberni sawmill site, lying almost horizontally. Farther along the shore of the canal, about a mile southwards, syenite crops out for a short distance, and is then replaced by a blackish, almost aphanitic diorite, which constitutes the body of Copper mountain. This formation extends along the shore down to a short distance below where the Esquimalt and Nanaimo railway boundary line crosses the canal, where syenite reappears and extends down to Hiwatches or Franklin river.

"A good contact of this blackish, fine-grained diorite with the syenite may be seen on China creek, the syenite dipping under the diorite westward at an angle of about 55 degrees.

"A most remarkable body of limestone crops out in what I have called Limestone mountain, at the head of Hiwatches river. There is an abrupt escarpment, almost perpendicular, of not less than 1000 feet of crystalline limestone, showing well the lines of stratification, and dipping about 15 degrees to the south. I did not succeed in obtaining any fossils, except a few crinoidal stems. A similar mass of the same kind of limestone occurs on the west side of Mount Douglas, showing a good exposure on the east side of Hidden lake, the vertical section being about 500 feet. All these limestones are highly crystalline and more or less dolomitic. They bear a great resemblance to several other large deposits on the island, such as at Horne lake, Kennedy lake, Nootka sound, and on Texada island. . . .

"In one spot on Granite creek I came across some chalcopyrite associated with molybdenite. It is interesting to note the common occurrence of molybdenite throughout British Columbia in association with copper ores; it has been found in numerous places but only in small quantities. . . ."

From the foregoing it will be apparent that Vancouver Island is the western bulwark of the Dominion of Canada; and that, as the Province becomes better settled and its resources more fully developed, it will, along with the island, not only maintain but exceed in value and importance its present high position.