



Descriptive Notes

QUATERNARY

Quaternary deposits are not shown on this map. They occur in the North Arm Burrard Inlet, the delta of the Fraser, on Vancouver and Gulf Islands, and on the latter island in the Strait of Juan de Fuca.

TERTIARY

Post-Tertiary deposits are not shown on this map and include alluvial deposits in the vicinity of Vancouver.

Tertiary deposits are shown on this map as a series of complexly eroded sandstones and shales which are developed mainly along the coast from French Creek point to Seawater Bay. The rocks include small areas of impure lignite but no coal. They have been mapped north of the international boundary.

MESOZOIC

Upper Jurassic - The Coast Range batholith has been entered in this map and occupies the entire coast. In the present map, the batholith is composed of a series of rocks which are from west to east in order of increasing age. The older rocks are the granites and gneisses which are separated by the younger rocks.

Most of the older rocks are in the West Coast Range, are in granite and in several places contain quartz veins and quartzite.

The younger rocks of the batholith there was a widespread intrusion of basic rocks which is shown on all the older rocks. They are of no economic importance. Crinoid stems and other fossils in some of these are representative basal beds occur in the rocks. They contain no coal.

PALEOZOIC

Devonian-Carboniferous - These rocks are geologically distinct of a threefold division - namely the Tertiary group, the Devonian group and the Marble Bay Formation. They occur in the Coast Range, the southern rocks of the Coast Range batholith. The Tertiary rocks are mainly composed of basic igneous rocks, the Devonian group of sediments and shales, and the Marble Bay Formation of limestones.

The Devonian rocks are important as nearly all the deposits of economic value are found in these rocks. They are in contact with the Coast Range batholith. The principal mineral resources are the best known - namely the British Mineral Zone and the Lynn Creek. The principal mineral resources are the best known - namely the British Mineral Zone and the Lynn Creek.