

At the time of his work in this area, through the paucity of rock outcrops, he failed to note two bands of sediment in his Moyie sill. So, instead of one sill as Daly described, there are three sills. This new field fact, which was found by the writer in 1910, materially affects the problem of petrogenesis. In 1911, the writer guided Daly to the several important exposures and the section was again carefully studied with the results given below. The exposures are not very satisfactory and other bands of sediment may be present in sill D.

The mountain to the west of Kingsgate consists of argillaceous quartzites, belonging to the oldest known member of the Purcell series, dipping 60 degrees to the east and intruded by sills of igneous material. Sections of these sills are given in Figs. 2 and 3.

Tabular section of the Moyie Sills. (Measured at a locality $1\frac{1}{2}$ miles distant from section illustrated in Figs. 2 and 3.)

Sills, thicknesses in feet.	Rock zones, thicknesses in feet.	Character of rock.
	100+	Sediments.
A, 315±	50+ 100± 165±	Gabbro. Granite. Gabbro.
	100	Sediments.
B, 523	210 215	Granite. Gabbro.
	45	Sediments.
C, 30	30	Gabbro
	250	Sediments.
D, 435+	135 300+	Granite. Gabbro.