

IX. — SECTION ON THE COAST SOUTH-WEST OF THE SHULEE RIVER.

Near the mouth of the Shulee River on Chignecto Channel the rock dips to the north-east at a low angle, and here is probably the axis of the main synclinal in the Cumberland Coal Basin. Proceeding south-westerly along the coast, an easterly dip is seen at Clam Cove, and about two miles further down the coast a south-westerly dip occurs at Sand Cove, and continues to Sand River.

This structure points to the existence of a subordinate anticlinal which has been recognized on Mill Creek about three miles from its junction with the Hebert River.

The axis of this subordinate anticlinal has a course nearly due east and west magnetic, and it is not improbable that it may have an important bearing upon the depth of workable seams of Coal in this part of the Basin. South-west of Sand River the dips are all nearly due south as far as Carron Cove within a mile and a half of Apple head. At the head waters of Mill Creek and for four miles down that stream the strata dip north, showing the existence of a trough or synclinal nearly parallel to the anticlinal before mentioned.

The view which has hitherto been entertained regarding the Cumberland Coal basin in the vicinity of Chignecto Bay, namely that the whole series represented in the section on the north side of the basin is reproduced with northerly dips on the south side of the synclinal axis passing through the Shulee River, is not borne out by the result of exploration. A great undulation in the southern part of the basin gives rise to a subordinate anticlinal and a subordinate synclinal. Near Spicer Cove and on the east branch of Apple River, Coal seams have been observed, showing that there the Coal measures approach the older metamorphic series very closely. The country between Fullerton's Lake and the coast is very little known; the last house west of Parrsboro' river is William Harrison's, distant five miles in an air line west from Fullerton's Lake. Between Harrison's and the head of Sand River Harbor, a distance of nine miles,