

the rocks are regular, dipping towards the north-west at a low angle as far as the Etta Road, where they take a more northerly dip.

Small seams of coal have been found in this portion of the valley of the Macan, but no recognized representation as yet of the great seams at Springhill. It is only by natural exposures that these could have been found, for it does not appear that any trial bore holes have been put down in this part of the basin. The discovery of one of the large seams in any part of the Upper Macan valley would be of great importance, for the uniformity in the structure of the rocks for many miles would indicate great regularity in their continuity over a very large area.

From Southampton towards Athol the dips of the strata trend slightly to the east of north, thus showing a trough-shaped form, and giving strength to the supposition that the Springhill seams occupy a superior horizon to that of the Joggins seams, or the seams on the north side of the Basin.

A spur of conglomerates forming the base of the Coal measures appears on the west side of the road leading from Fullerton's Lake to Southampton, and takes a northerly direction down the valley of the Hebert River. The west flank of this spur crosses the Halfway River about five miles from Fullerton's Lake, and its outcrop has been traced in a north-easterly direction for nearly two miles. In a westerly direction it has been traced from the place where it crosses Halfway River for three and a half miles, or beyond the outlet of Gaspereau or Welton's Lake. This mass of conglomerates appears to penetrate the Coal Basin in the form of an elongated dome. From Welton's Lake the Coal measures take a general course towards the head waters of Apple River, and terminate on the coast of Chignecto Channel at Spicer Cove, where they may be seen in close juxtaposition with the metamorphic series of the Cobequids, and where also, on the authority of Mr. Patrick, small seams of Coal are visible at low water.

IX. —

Near
nel the
is prob
Coal l
easterl
further
Cove,

This
antieli
three

The
due ex
it may
worka
west c
Carro
the he
stream
trough
menti

The
the C
name
the n
on th
Shule
ratio
basin
syncl
Appl
there
serie
and
Parr
an ai
and