

continuous with the strata in Columbus County and also with similar beds that occur in Marion, Florence, and Darlington counties in South Carolina, though this is rather doubtful.

South of the Neuse River, except in the vicinity of Wilmington, where thin films of the shell marl are present, erosion seems to have removed all of the easternmost portion of the formation, and likewise it has been removed along the principal river valleys that cross this region and is present only where it has escaped erosion because of its position in interstream areas.

The limited number of exposures of the Duplin formation and its occurrence in isolated areas occupying depressions in the eroded surface of underlying strata of Eocene or Cretaceous age scarcely permit the determination of the strike and dip. The local exposures seem to indicate a practically horizontal position of the beds, though it is probable that there is a gentle dip toward the east or southeast similar to the other formations of the Atlantic Coastal Plain.

Detailed Sections.

In the vicinity of Maysville many old marl pits occur, and these continue all the way to Pollokville. In these pits the Duplin Miocene shell marl has usually been quarried, but in some places the material is of Eocene age. Between Pollokville and New Bern both the Miocene marl, which here occurs in patches, and also the Eocene white limestone, which is more continuous, have been quarried for fertilizing purposes.

TWO AND ONE-HALF MILES SOUTH OF CLINTON, ON DUNCAN BRANCH.

Pleistocene:

	FEET.
Black silt loam, chocolate brown when wet.....	1
Coarse sandy loam with pebbles $\frac{1}{2}$ inch in diameter and iron-stone nodules	2-3

Miocene (Duplin):

Bluish drab, sticky clay.....	2
Shell bed, shells constituting almost entire bed in lower part.....	6

THREE MILES SOUTH OF CLINTON, ON GUM CHIMNEY BRANCH.

Pleistocene:

Bluish sandy clay.....	1
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Miocene (Duplin):

Shell marl which is quite sandy, light brown in color.....	4-5
Below the marl is dark colored clay.	

Four Miles South of Clinton, N. C., Along a Branch Which Crosses Wilmington Road.—Here there is a series of pits in which a dark, chocolate-brown, loose, sandy loam with a thickness of 3 feet overlies