

Detailed Sections.

Sections Along the Meherrin and Chowan Rivers and Their Tributaries.—St. Marys formation is exposed along the Meherrin River in a number of places in Southampton County, Va., and Northampton County, N. C. It is similar in appearance at almost every point observed. The following sections are characteristic:

SECTION ON MEHERRIN RIVER, 12 MILES FROM EMPORIA, VA.

<i>Pleistocene</i> (?) :	FEET.
Concealed from view.....	18-20
<i>Miocene</i> (St. Marys) :	
Light drab or gray clay, grading downward into a light-gray fossiliferous sand, fine in texture. The shell material of the fossils has been entirely removed. The sand is indurated in places near the base. Several forms of <i>Pelecypods</i> and <i>Gastropods</i> were observed.....	33

Marl for fertilizing purposes has been dug in this immediate vicinity.

SECTION ON MEHERRIN RIVER, 1 MILE ABOVE THE SEABOARD AIR LINE RAILROAD BRIDGE, BETWEEN BRANCHVILLE, VA., AND MARGARETTSVILLE, N. C.

<i>Pleistocene</i> :	FEET.
Yellowish loam and sand with gravel-bedded base containing bowlders of variable size.....	10
<i>Miocene</i> (St. Marys) :	
Bluish-green plastic clay with casts of shells and a few fish vertebræ	2

Shell marl has also been dug in this vicinity for fertilizing purposes.

SECTION ON MEHERRIN RIVER, 2 MILES BELOW THE SEABOARD AIR LINE BRIDGE, BETWEEN BRANCHVILLE, VA., AND MARGARETTSVILLE, N. C.

<i>Pleistocene</i> (?) :	FEET.
Concealed from view	10
<i>Miocene</i> (St. Marys) :	
Greenish-gray, compact, fossiliferous, sandy clay. The fossils are fragile and difficult to collect. The most abundant form is <i>Mulinia congesta</i>	4½

The same fossiliferous bed is also exposed along the right bank of the river, ½ mile below the above section.

At Meherrin River, Branch's bridge, midway between the upper and lower Seaboard Air Line bridges, there is exposed 5 feet of dark greenish-gray sandy clay filled with fossils. The stratum is similar to the preceding section.