

	FEET.
Very coarse white to buff loose sand, containing numerous small pebbles and a few blocks of rock 6 inches in diameter.....	4
<i>Miocene</i> (St. Marys) :	
Blue to buff (when weathered) fine sand, containing occasional rounded quartz pebbles, some as much as 1 inch in diameter. In upper 3 inches the sand is somewhat indurated and in this layer a few fossil impressions occur. <i>Pecten</i> and <i>Astarte</i> were recognized. Exposed to water's edge.....	8

The Miocene in the above section is similar to that at Shiloh Mills in which fossil shells are found, but is quite unlike that between Bell's Bridge and Dunbar Bridge.

Three Miles South of Battleboro on Road Between Battleboro and Rocky Mount, at Stream Crossing.—A series of marl pits is found here, though the marl was not observed in place. It evidently does not outcrop. The fossils indicate that the stratum is similar to the other St. Marys marl of this vicinity. *Mulinia congesta* is especially abundant.

One and One-fourth Miles East of Battleboro on a Tributary of Swift Creek.—On the land of H. B. Brown marl has been dug in several places. The marl does not outcrop, but is found underlying the stream valleys and can be obtained by removing about 5 feet of overburden. The fossils found in this marl are similar to those present in the marl about Rocky Mount.

Swift Creek, 1 Mile Northeast of Wrendale.—At this point the bluff is about 45 feet in height. The upper part is undoubtedly Pleistocene and is part of the second terrace, but on account of the vegetation it does not show.

<i>Pleistocene</i> (?) :	FEET.
Concealed by vegetation.....	35
<i>Miocene</i> (St. Marys) :	
Sandy diatomaceous earth, grading into lower member.....	4
Buff to blue fine sand.....	12
Blue sand filled with <i>Mulinia congesta</i> , with a few specimens of <i>Pecten eboreus</i>	1
Concealed to water's edge.....	2

Swift Creek, 2 Miles Above Hemmed Island.—At base of 12-foot bank shell marl outcrops. About 1 foot is exposed. It consists of blue sand well filled with perfect shells. The material resembles that exposed 1/2 mile above Bell's Bridge, except that *Divaricella quadrisulcata* does not appear.

SECTIONS ALONG TAR RIVER AND ITS TRIBUTARIES.

Tributary of Tar River, 3 1-2 Miles Northwest of Rocky Mount.—Marl has been dug in many places along this stream and has been