

TAR RIVER, RIGHT BANK, 1 MILE BELOW OLD SPARTA BRIDGE.

In a ravine the following section was observed:

Pleistocene:

	FEET.
Sandy loam, mainly covered with vegetation.....	15

Miocene (St. Marys):

Tough blue clay, containing a few shell impressions in certain layers	10
Blue clay filled with shells similar to those seen about Tarboro...	12
Blue clay without fossil shells, about.....	5

Cretaceous:

Slate-colored clay, breaking irregularly and grading into a sand containing some small pebbles, exposed.....	7
Mud-covered slopes to river, about.....	8

Marl Pit of W. R. Horn, 1 1-4 Miles Northeast of Farmville.—Mr. Horn has recently dug marl here, and there is a pile of marl by the pit. Marl is similar to that on Pinelog Branch. The shell bed is 8 feet thick and is overlain by about 6 feet of Pleistocene loam and sand.

Marl Pits on East Side of Pinelog Branch, 8 1-2 Miles West of Greenville.—Old pits are located here, from which great quantities of marl have been dug. The pits are filled with water, but beside two of the pits which have evidently been worked recently (within a few years) there are piles of marl. The shells are well preserved and occur in a matrix of greenish-gray fine sand. Portions containing *Pecten eboreus*, mainly, are quite firmly indurated. Small black phosphatic pebbles are present. Specimens of *Mulinia congesta* are unusually abundant. The marl is only a few feet thick, and evidently the Cretaceous is near the surface, as a small specimen of *Exogyra* was found beside the pit.

BLUE BANKS LANDING, TAR RIVER, ABOUT 6 MILES NORTHWEST OF GREENVILLE.

Pleistocene:

	FEET.
Very coarse, light yellowish to white, arkosic sand.....	8

Miocene (St. Marys):

Light yellow, stratified sand, with some thin drab clay layers at top, poorly exposed.....	20
Thinly laminated dark blue clay and light gray sand, the latter micaceous and, in places, iron-stained.....	0-4
Coarse sand, light yellow at top with pockets of blue sand and becoming dark bluish-green in lower half. Contains pieces of bones, phosphate pebbles, quartz pebbles, sharks' teeth, large coprolites, etc.	0-1

Cretaceous:

Dark green micaceous glauconitic sand to water's edge.....	18-24
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