

	FEET. INCHES.
Gray calcareous and argillaceous sand, becoming very coarse at base	1
Fine gray calcareous sand, streaked with yellow iron-stained sand	1½
Coarse stratified iron-stained sand, becoming gravelly at base, with small pebbles.....	3
Fine iron-stained sand.....	3
Shell marl in sand matrix, containing many characteristic Miocene fossils	4

FOSSILS FROM TAR RIVER, 5 MILES BELOW NEW BRIDGE.

CRUSTACEA:	<i>Phacoides crenulatus</i> Conrad.
<i>Balanus concavus</i> Bronn.	<i>Phacoides radians</i> Conrad.
GASTROPODA:	<i>Crassatellites undulatus</i> Say.
<i>Crepidula fornicata</i> Say.	<i>Diplodonta acclinis</i> Conrad.
<i>Turritella variabilis</i> Conrad.	<i>Ostrea compressirostra</i> Say.
SCAPHOPODA:	<i>Ostrea sculpturata</i> Conrad.
<i>Cadulus thallus</i> Conrad.	<i>Pecten eboreus</i> Conrad.
<i>Dentalium attenuatum</i> Say.	<i>Pecten jeffersonius</i> Say.
PELECYPODA:	<i>Pecten madisonius</i> Say.
<i>Arca improcera</i> Conrad.	<i>Plicatula marginata</i> Say.
<i>Mulinia congesta</i> Conrad.	<i>Venericardia granulata</i> Say.
<i>Ostrea sculpturata</i> Conrad.	PELECYPODA:
<i>Pecten eboreus</i> Conrad.	<i>Ostrea compressirostra</i> Say.
<i>Pecten jeffersonius</i> var. <i>edgecombensis</i> Conrad.	<i>Ostrea sculpturata</i> Conrad.
<i>Pecten madisonius</i> Say.	<i>Pecten jeffersonius</i> var. <i>edgecombensis</i> Conrad.

Right Bank of the Tar River, 1-2 Mile Below Mouth of Buck Swamp.
In ravine there is a section exposed as follows:

Pleistocene:	FEET.
Gray sand, in some places loamy, and with many small pebbles...	12-15
Miocene (St. Marys):	
Drab clay	5
White sand	5
Blue clay, very compact.....	12
Blue clay with shell impressions and gypsum crystals.....	2
Fossil layer, shells (<i>Pecten</i> , <i>Ostrea</i> , etc.), very rotten and in places shell substance removed and the matrix of sand slightly indurated	1½
Mud-covered slope to water (water 7 feet higher than normal)...	1

TAR RIVER, TARBORO SHEET, N. C., 6½ MILES BELOW NEW BRIDGE, RIGHT BANK.

Miocene (St. Marys):	
Concealed	5-10
Yellow stratified sand and drab clay, not well exposed.....	10
Dark greenish drab, argillaceous sand, very fossiliferous in lower 2 feet. <i>Mulinia congesta</i> is very abundant.....	7