

gastropods and pelecypods, shells of *Exogyra* and guards of *Belemnitella*, all in a matrix of yellowish brown, calcareous sand. The shore near-by is strewn with casts, phosphate nodules, etc., which appear to have been washed from this conglomerate. The following forms were collected in place in the conglomerate: *Belemnitella americana* Morton, and undetermined casts of pelecypods and gastropods. (U. S. G. S. Locality No. 4051.) In addition, a number of forms which had been washed from this conglomerate were picked up loose on the shore, as follows:

U. S. G. S. LOCALITY No. 4146.

<i>Cucullaea antrosa</i> Morton.	<i>Cardium</i> sp.
<i>Cucullaea</i> sp.	<i>Cyprimeria</i> sp.
<i>Exogyra costata</i> Say.	<i>Gyrodes</i> sp.
<i>Gryphaea vesicularis</i> Lamarck.	<i>Rostellites</i> sp.
<i>Anomia argentaria</i> Morton.	<i>Belemnitella americana</i> Morton.
<i>Veniella</i> sp.	Fish vertebra.
<i>Crassatellites</i> sp.	

The deposit is a basal conglomerate of the Miocene, the fossils being derived from the underlying Cretaceous. Beneath the conglomerate there is exposed at low water 2 or 3 feet of compact, dark gray, calcareous and micaceous sand, referable to the Peedee formation. This sand is exposed along the shore for a few rods only.

Sets of well samples have been examined from a number of wells in the southeastern part of the State in which Peedee beds were penetrated, and from these the sections given on the following pages have been prepared. The figures to the left in the sections indicate sample numbers.

Section of well at Bolton, Columbus County, N. C., owned by the Waccamaw Land and Lumber Company, and drilled in 1906 by Lowry and Faulkner, prepared from samples furnished by Mr. John D. Lowry.

	THICKNESS IN FEET.
<i>Pleistocene:</i>	
1. Missing	1- 10
2. Pale yellowish, very sandy clay.....	10- 30
3. Yellow, coarse, very argillaceous sand.....	30- 40
<i>Miocene:</i>	
4. Light gray, calcareous sand with numerous shells.....	40- 50
<i>Cretaceous (Peedee sand) :</i>	
5. Gray, very calcareous, arenaceous clay.....	50- 70
6. Same as No. 5.....	70- 90
7. Similar to Nos. 5 and 6, but a shade darker.....	90-110
8. Greenish-gray, very calcareous, arenaceous clay.....	110-130
9. Similar to No. 8, but a shade lighter.....	130-140