

Cretaceous:

Peedee sand (?):

FEET.

Fine grained, light gray to white, almost pure sand, slightly argillaceous in places, more compact than the Pleistocene above, and delicately mottled with chocolate tints and in places with light yellow. Probably a leached-out phase of marine Cretaceous materials 8

Peedee sand:

Dark green, compact, finely micaceous, glauconitic clay..... 2
 Dark green, very compact, glauconitic, very calcareous, arenaceous, slightly micaceous clay, indurated in places with lime cement to hard rock layers or concretions; contains characteristic fossils; partially concealed by high tide..... 4-5

The lowest Cretaceous layer in the section appears interruptedly for several hundred yards along the left bank of the river below the pump station. The following forms were obtained:

U. S. G. S. LOCALITY No. 4143.

<i>Hemiaster</i> sp.	<i>Pecten simplicius</i> Conrad.
Bryozoa.	<i>Lima</i> sp.
<i>Serpula</i> sp.	<i>Anomia argentaria</i> Morton.
<i>Cucullaea</i> sp.	<i>Crassatellites?</i>
<i>Perna</i> sp.	<i>Panopea decisa</i> Say.
<i>Exogyra costata</i> Say.	<i>Nautilus dekayi</i> Morton.

Exposures of Peedee beds occur interruptedly on Neuse River from near Williams Landing, 52 miles above New Bern, to within a few miles of the mouth of Contentnea Creek. With the exception of two occurrences of Eocene strata which are indicated on following pages, the deposits observed overlying the Peedee beds along this stream are of Pleistocene age. A detailed account of the Neuse River exposures is given below. (See sketch map of Neuse River, Fig. 4, p. 96.)

Two miles above the steamboat landing at Kinston (51¾ miles above New Bern), near Williams Landing, a dark green, argillaceous green-sand of the Peedee formation forms a bluff 12 or 15 feet in height along the left bank, and this overlain by several feet of Pleistocene material. The following species, several of which are characteristic of the Peedee sand, were collected, occurring mostly in a layer near the base:

U. S. G. S. LOCALITY No. 4152.

<i>Ostrea subspatulata</i> Forbes.	<i>Gryphaea vesicularis</i> Lamarck.
<i>Ostrea larva</i> Lamarck.	<i>Lima reticulata</i> Forbes.
<i>Ostrea plumosa</i> Morton.	<i>Anomia argentaria</i> Morton.
<i>Exogyra</i> sp.	