

	FEET.
materials above. The latter, however, are probably conformable upon the former. Lignite is present in greater or lesser amount throughout the mass, the surface is stained with sulphur in places, and a few gypsum crystals were observed.....	24
Indurated layer of sand containing rounded pellets of drab clay..	1
Light gray to yellow, compact, homogeneous sand, in places slightly indurated	3
Thinly laminated, dark-blue to black clay, with thin layers and larger lenses of gray sand, in places colored yellow with sulphur, the whole containing more or less lignite.....	7

The indurated fossiliferous layer at the top of the Cretaceous portion of the section is questionably referred to the Black Creek formation, the forms present apparently indicating a position very close to the dividing line between the Black Creek and overlying Pee Dee formations. From this layer the following were identified:

U. S. G. S. LOCALITY Nos. 3354, 4145, 5338.

<i>Serpula cretacea</i> (Conrad).	<i>Cardium longstretti</i> Weller.
<i>Cucullaea antrosa</i> Morton.	<i>Cardium</i> sp.
<i>Arca</i> sp.	<i>Aphrodina</i> sp.
<i>Trigonoarca</i> ?	<i>Corbula carolinensis</i> Conrad.
<i>Ostrea</i> sp.	<i>Tellina</i> sp.
<i>Exogyra</i> sp.	<i>Gastrochaena americana</i> Gabb.
<i>Trigonia</i> sp.	<i>Lunatia obliquata</i> M. & H.
<i>Anomia lintea</i> Conrad?	<i>Turritella trilira</i> Conrad.
<i>Pholadomya occidentalis</i> Morton?	<i>Anchura</i> sp.
<i>Veniella lineata</i> Shumard?	<i>Pugnellus</i> sp.
<i>Crassatellites</i> sp.	Undetermined pelecypods and gastropods.
<i>Cardium spillmani</i> Conrad.	<i>Lamna texana</i> Roemer.

Three miles below Walkers Bluff, at milepost 57, right bank, a marine bed with a few shells in close association with overlying laminated materials was observed from the deck of a passing steamboat.

At Jessups Landing, milepost 56, the following section occurs:

	FEET.
Pleistocene:	
SECTION AT JESSUPS LANDING, LEFT BANK.	
Light colored, loose, coarse, cross-bedded sand, with cobbles and bowlders of crystalline rock at base.....	16
(Unconformity.)	
Cretaceous (Black Creek formation):	
Laminated, dark-blue clay, and light gray, cross-bedded, glauconitic, micaceous sand, the whole mass quite lignitic, the lignite occurring as pieces of limbs, smaller fragments and comminuted particles, the latter aggregated in the form of seams in places. Some fragments resembling charred wood were observed. Some of the larger pieces of lignite are teredo-bored. Iron sulphide concretions are present in association with the lignite.....	12