

	THICKNESS IN FEET.
different samples vary slightly in color, some having a bluish-gray tinge, and others a dark brownish tinge. The lower samples become slightly less argillaceous. Finely comminuted shell fragments occur in sample No. 54.....	265- 365
68-74. Gray, calcareous, glauconitic sand, slightly argillaceous in upper samples, becoming coarser and very glauconitic in lower samples	365- 400

Section of well at Fort Caswell, near the mouth of Cape Fear River, N. C., from samples furnished by the officer in charge:

Pleistocene:	THICKNESS IN FEET.
1. Loose beach sand with small shell fragments.....	0- 30
2-3. Gray, calcareous, sandy clay with well-preserved Pleistocene fossils, <i>Barnea</i> , <i>Crepidula</i> , <i>Nassa</i> , etc.....	30- 45
4-6. Loose, calcareous sand with numerous shell fragments and in sample No. 6 large fragments of Pleistocene fossils as follows: <i>Cardium</i> , <i>Teredo</i> , <i>Ostrea</i> , <i>Scutella</i> , <i>Crepidula</i> . Also, in sample No. 6, pieces of calcareous sand-rock, fragments of peat, iron crusts, and one fragment of crystalline rock, probably granite.....	45- 78
Eocene:	
7-25. Consists principally of yellow, calcareous, fossiliferous sand, with some clay. Sample No. 11 consists of white chalk-like rock (thickness 4 inches)	78- 254
Cretaceous:	
Peedee sand:	
26-33. Gray, very calcareous clay, with an admixture of soft sand in last two samples. <i>Serpula</i> casts in sample No. 32.....	254- 418
34. Gray, calcareous, very glauconitic sand.....	418- 419
35-46. Gray, calcareous clay, slightly sandy in some samples...	419- 678
46½. Mixture of gray, calcareous clay, sand and fragments of shells; containing Bryozoa, <i>Ostrea</i> fragments, etc.....	678- 680
47. Sample missing.....	680- 690
48-48½. Same as No. 46½, but contains impure lime concretions as large as 1 inch in diameter. Contains Bryozoa, <i>Ostrea</i> sp., etc.....	690- 693
49-55½. Gray, argillaceous, calcareous sand, with numerous small shell fragments. No. 50 contains fragments of gray, calcareous sand-rock. Samples 55 and 55½ contain <i>Ostrea</i> sp., etc.....	693- 795
56-57. Dark green, very glauconitic, calcareous sand.....	795- 880
58. Mixture of chunks of dark green, glauconitic sand, and gray, calcareous sand	880- 896
59. Coarse, gray sand, with small shell fragments.....	896- 899
59½. Light gray, argillaceous limestone, with casts of pelecypods and gastropods. Contains <i>Cardium</i> sp., <i>Lunatia</i> sp., etc.	896- 899