

FEET.

- 4-6. Loose calcareous sand, with numerous shell fragments, and in sample No. 6 large pieces of Pleistocene fossils as follows: *Cardium fondo*, *Ostrea*, *Scutella*, *Crepidula*; 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 (Castle Hayne and Trent) :

- 7-8. Yellow, medium-grained, calcareous sand, with a few scattered grains of glauconite and many fragments of shells, especially branching *Bryozoans*..... 78- 102
9. Pale yellow, fine-grained, calcareous, slightly glauconitic sand 102- 109
10. Like samples 7 and 8, but contains numerous small pieces of chalk-like rock.....109-110 $\frac{3}{4}$
11. Pure white, soft, chalk-like rock, without grit and composed almost entirely of CaCO_3110 $\frac{3}{4}$ -111
- 12-22. Yellow, medium-grained calcareous sand, with a large percentage of shell fragments, especially *Bryozoans*; scattered grains of glauconite in some samples..... 111- 238
- 23-24. Yellow calcareous clay, and yellow sand, like preceding.. 238- 249
25. Yellow sand filled with *Bryozoan* remains, like samples 12 to 22..... 249- 254

Cretaceous (Peedee in part) :

- 26-33. Gray, very calcareous clay, with an admixture of soft sand in last two samples..... 254- 418
34. Gray, calcareous, very glauconitic sand..... 418- 419
- 35-46. Gray calcareous clay, slightly sandy in some samples..... 419- 678
- 46 $\frac{1}{2}$. Mixture of gray calcareous clay, sand and fragments of shells 678- 680
47. Samples representing 680 to 690 missing..... 680- 690
- 48-48 $\frac{1}{2}$. Same as 46 $\frac{1}{2}$, but contains impure lime concretions as much as 1 inch in diameter..... 690- 693
- 49-55 $\frac{1}{2}$. Gray, argillaceous, calcareous sand, with numerous small shell fragments. No. 50 contains fragments of gray calcareous sand-rock 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
- 59 $\frac{1}{2}$. Light gray argillaceous limestone, with casts of *Pelecypods* and *Gastropods*..... 896- 899
- 60-65 $\frac{1}{2}$. Gray calcareous, finely micaceous clay, large pieces of shells of *Ostrea* and *Exogyra* in last sample..... 899-1140

Age uncertain (possibly Lower Cretaceous in part) :

66. Light pinkish plastic clay.....1140-1160
- 67-68. Samples missing.....1160-1200
- 68 $\frac{1}{2}$. Gray calcareous clay, with a mixture of quartz pebbles up to $\frac{1}{2}$ inch in diameter and shell fragments.....1200-1237