

<i>Eocene</i> (Castle Hayne and Trent) :		FEET.
Calcareous marl interstratified with strata of shells.....		65
Hard shell rock.....		4
Shell marl, containing some water.....		2
Shell rock		6
Shell rock with cavities, water-bearing.....		4

SECTION AT BLACK ROCK LANDING, RIGHT BANK OF CAPE FEAR RIVER,
37 MILES ABOVE WILMINGTON.

<i>Pleistocene</i> :		FEET.
Mottled red and orange-yellow sand, passing downward into a brownish-yellow sandy clay.....		24
Layer of fine quartz pebbles poorly exposed.....		1/2-1

<i>Eocene</i> (Castle Hayne) :		
White sand containing considerable calcareous material and in- closing some fragile fossils. At the base are some phosphatic nodules, a few of which measure over 6 inches in diameter....		4

<i>Cretaceous</i> :		
Dark blue to black micaceous sandy clay.....		8

About 1 mile south of Elpaso postoffice, Brunswick County, a solid Eocene limestone rock, with many casts of shells, principally *Cardium* and a few *Gastropods*, outcrops along a small branch to the west of the road. In places the rock is decidedly arenaceous.

The farm of George H. Bellamy, about 2 1/2 miles south of Elpaso postoffice, is in part underlaid by limestone rock. One poor exposure was seen at a spring a few hundred yards from his residence.

In former years the limestone was used as a fertilizer, and many small pieces of a rather rotten fossiliferous limestone rock may be seen scattered about in nearly all his fields. A few fossils were obtained from these pieces which seem to belong to the same species as those occurring at the rock quarries at Wilmington and Castle Hayne. It is evident, therefore, that the rock underlying Mr. Bellamy's land represents the same horizon as those localities.

Lithologically, the pieces of rock picked up in the fields resemble the soft rotten rock exposed in the Wilmington rock quarries, and the outcrop seen at the spring is the same as the solid white limestone overlying the phosphate conglomerate at that place.

SECTION OF WELL No. 2, WINTER PARK GARDEN, 3 MILES EAST OF
WILMINGTON.

<i>Pleistocene</i> :		FEET.
1. White, coarse, gravelly quartz sand. One pebble an inch long, probably a partially decomposed igneous rock.....		32- 44
2. Very coarse, gravelly quartz sand.....		44- 50