

Virginia was a land area during the deposition of the Trent, and the formation did not extend much farther north than its present position.

Structure.—As is true of all the strata of the Coastal Plain, the structure of the Trent formation is extremely simple. The beds in some places are practically horizontal, but, in general, dip toward the ocean at the rate of about 3 to 5 feet per mile.

Detailed Sections.

Spring Garden Landing, Neuse River.—A hard white Eocene limestone rises in the low river bank about $3\frac{1}{2}$ feet above the level of the water in the river. The limestone contains many fossil casts, the shell substance is entirely gone, and the cavities are usually filled with calcite crystals. In places the cavities have not been filled. This rock has been used for buhrstones.

The fossils present, though numerous, are not varied.

Above the rock occurs thinly laminated drab clay and gray sand of Pleistocene age with an average thickness of about 10 feet.

In the river bank the Eocene is well exposed.

SECTION ROCK LANDING, NEUSE RIVER.

Pleistocene:

	FEET.
Yellowish-brown loam and sand with a few small pebbles, principally concealed by vegetation.....	3-8

Eocene (Trent):

Hard, firmly indurated white limestone filled with casts and moulds of fossils, the shell substance having been largely removed, leaving cavities which, in some places, have been filled with calcite crystals. Grades into next member.....	4½
Less firmly indurated limestone containing pockets of brownish-gray sand, many hard nodules of brown sandstone bored by <i>Teredo</i> , and fossils, many of which preserve the shell structure, especially <i>Pecten</i> , <i>Ostrea</i> , and <i>Echinoids</i> . Grades into members below and above.....	1
Loose brownish to yellowish-gray quartz sand with many small black grains, principally magnetite; contains no fossils. Exposed to water's edge.....	5

The indurated layer in the above section is the one exposed at Spring Garden Landing, and it also outcrops along many small streams south and southeast of Rock Landing. About 2 miles south of Rock Landing it outcrops as a continuous ledge about 4 feet in thickness at the head of a small stream for a distance of about $\frac{1}{2}$ mile. Many excellent springs issue from beneath it.

Biddle Landing, Neuse River.—Here there is a thickness of about 20 feet of Eocene sandy limestone exposed. In places the gray calcareous