

SECTION NEAR WADE, NORTH CAROLINA.

Pleistocene:

FEET.

Yellowish and gray sands with a thin gravel bed at base, containing in addition to rounded and angular quartz pebbles, erratic boulders of igneous and metamorphic rocks of all sizes up to several feet in diameter..... 6

(Unconformity.)

Cretaceous (Patuxent formation):

Coarse, light-gray sand, slightly darker at the top, mottled with yellow, slightly stratified, and containing layers more or less argillaceous 6

Greenish-gray, crumbly or grainy clay, darker in top layer, and mottled throughout with dark-red streaks..... 8.5

Fine micaceous, greenish-gray clay..... 2-5

Dark gray, micaceous, arkosic sand, mottled with rusty streaks and slightly indurated..... 3.5

Greenish-gray, micaceous sand, mottled with red and yellow and softer and lighter in color than preceding..... 5.5

Greenish-gray, micaceous, arkosic sand, coarse to fine, indurated to a soft sandstone, making a steep cliff. It is somewhat mottled with reds and yellows..... 16

Yellowish-green, micaceous sand, fine in upper part, becoming coarse and strongly mottled with reds and yellows in lower half. 5

Greenish-gray, very micaceous, slightly arkosic sand to water's edge 3

In its lithologic character this section is essentially the same as the two preceding.

At Fayetteville a fairly good exposure occurs between the wagon bridge and the C. F. and Y. V. Railway bridge. As this is essentially the same as a better section occurring $\frac{3}{4}$ mile below at the Wilmington and Fayetteville steamboat wharf, the latter will be given in detail.

SECTION AT WILMINGTON AND FAYETTEVILLE STEAMBOAT WHARF,
FAYETTEVILLE, N. C.*Pleistocene:*

FEET.

Sand and loam with gravel band at base containing erratic boulders of quartz and crystalline rocks..... 10

(Unconformity.)

Cretaceous (Patuxent formation):

Coarse gray, compact, argillaceous and arkosic sand with some mica and many small pebbles as large as peas. A yellowish band of iron crust, 1 to 2 inches thick, occurs along the base.... 6

Hard, bluish-gray, coarsely arenaceous, micaceous, arkosic clay grading down into next layer below..... 2

Fine, yellowish, micaceous, somewhat arkosic iron-stained sand, with an iron crust layer $\frac{1}{2}$ inch thick at base..... 5

Dark band of arenaceous clay, mottled with purple iron stain.... 2