

SECTION ON LITTLE ROCKFISH CREEK, 100 YARDS ABOVE THE HOPE MILLS-FAYETTEVILLE ROAD BRIDGE, LEFT BANK.

Pleistocene:

FEET.

Coarse white sand, becoming gravelly at base and containing iron
crusts 3

(Unconformity.)

Cretaceous:

Black Creek formation:

Yellow, ferruginous, stratified sand, with some thin layers, grading
into dark, slightly chocolate tinted, laminated clay and sand lay-
ers, the latter containing leaf remains, lignite, amber, and
pyrites 8

(Unconformity.)

Patuxent formation:

Typical light gray, arkosic, banded sand and clay layers..... 25

From the Black Creek formation in the above described section the
following fossil plants were collected:

Araucaria bladenensis Berry.*Ficus daphnogenoides* (Heer) Berry.*Myrsine borealis* Heer.*Podozamites Knowltoni* Berry.*Sequoia Reichenbachii* (Gein) Heer.*Tumion carolinianum* Berry.

Teredo-bored logs.

An account of the first appearance of the formation observed in
descending Cape Fear River between mileposts 101 and 98, where its
feather edge occurs resting unconformably upon the Patuxent forma-
tion, has already been given. (See detailed sections and illustration,
p. 98, and Figs. 1 and 2.)

The materials in these exposures consist of dark laminated sands
and clays which contain a large amount of lignite in the form of large
logs, smaller pieces and comminuted particles, and also in some of
the exposures of an abundance of large irregular concretions of iron
sulphide, probably in the form of marcasite. The lignite is in part
distributed irregularly throughout the deposits, but in part the com-
minuted particles and small pieces are collected together in the form
of seams. The sand partings contain a considerable percentage of
mica. Descending the river, poor exposures of laminated materials
were seen at Willis Creek Landing, milepost 96, and at T. M. Sykes'
Landing, milepost 95.

Prospect Hall Bluff, just above milepost 93, presents a fine section
of laminated sands and clays of this formation. The bluff is some 75
or 80 feet in height, it being one of the highest on the river. The