

Cretaceous (Black Creek formation) :

FEET.

Dark, carbonaceous clay interlaminated with greenish-gray glauconitic sand, containing amber, lignite, and comminuted vegetable particles. Contains an occasional leaf of *Araucaria bladenensis* Berry and the seed of *Cephalotaxospermum carolineanum* Berry. A few bone fragments, probably turtle plates, and one coprolite were observed 2.5

At Sykes Landing, 74 miles above Wilmington, left bank, a section similar to the preceding is exposed, from which the following fossil plants were collected:

Araucaria bladenensis Berry.
Chondrophyllum Nordenskioldi Heer.
Cunninghamites elegans (Corda) Endl.
Cephalotaxospermum carolineanum Berry.

Near the site of an old mill one-fourth mile northeast of Sykes Landing, on land owned by C. S. Bradshaw, a few shell prints were obtained from fragments of sandstone which according to the owner were dug from a rock layer closely underlying the surface in the immediate vicinity of the mill. This rock is probably a lens in the Black Creek formation. The forms include *Glycymeris* (?), *Cardium* sp., *Tellinimera* (?), etc. (U. S. G. S. Loc. No. 5355.)

The next interesting exposure observed was at Big Bend, where the following strata appear:

SECTION AT BIG BEND, 73½ MILES ABOVE WILMINGTON, RIGHT BANK.

Pleistocene:

FEET.

Loam, clay, and sand, with a pebble band along base..... 7
 (Unconformity.) •

Cretaceous (Black Creek formation) :

Dark greenish-gray, tough, carbonaceous clay, in places laminated with thin sand partings. Contains amber, pyrites, lignite, and fossil leaves 6

The following fossil plants were collected from this outcrop:

<i>Andromeda novae-caesareae</i> Hollick.	<i>Salix flexuosa</i> Newberry.
<i>Araucaria bladenensis</i> Berry.	<i>Salix Lesquereuxi</i> Berry.
<i>Araucaria Jeffreyi</i> Berry.	<i>Cephalotaxospermum carolineanum</i>
<i>Chondrophyllum Nordenskioldi</i> Heer.	Berry.
<i>Cycadinocarpus circularis</i> Newberry.	

For the next two miles there are numerous low exposures of laminated Black Creek materials.

At the upper end of a low terrace bluff at Mossy Log Landing, 71½ miles above Wilmington, the following section occurs: