

SECTION 1 MILE SOUTH OF HOPE MILLS ON RIGHT BANK OF BIG
ROCKFISH CREEK.*Pleistocene:*

Yellow sand, stratified, and containing a few clay layers at base..	FEET. 9
---	------------

Cretaceous:

Black Creek formation:

Tough, chocolate-tinted, carbonaceous clay with some lignite and vegetable particles	0-3
(Unconformity.)	

Patuxent formation:

Gray, arkosic sand and clay.....	24-27
----------------------------------	-------

SECTION BELOW WAGON BRIDGE OVER ROCKFISH CREEK, NEAR
BRUNT POST-OFFICE.*Pleistocene:*

Sand and gravel.....	FEET. 5
(Unconformity.)	

Cretaceous (Patuxent formation):

Compact, light gray and greenish gray, micaceous, arkosic sand and clay, in places slightly indurated and in places cross-bedded.	40
---	----

One doubtful Patuxent exposure has been observed on Lumber River in Robeson County, just below Redbank bridge. It is described as follows:

SECTION JUST BELOW REDBANK BRIDGE, LEFT BANK.

Cretaceous? (Patuxent formation?):

Yellowish-brown, loamy, arkosic sand.....	FEET. 4
Coarse, gray, compact, arkosic sand.....	6
Light drab, compact, sandy clay, becoming more sandy to a coarse, argillaceous sand at base.....	3
Very light drab, compact, slightly sandy clay.....	2

The materials in this section are not very characteristic, but it seems probable from their compact condition and the presence of arkosic matter that they should be correlated with the Patuxent formation.

UPPER CRETACEOUS.

BLACK CREEK FORMATION.

Name.—The name Black Creek was proposed by Mr. Earle Sloan in 1907.¹ It is derived from Black Creek, a tributary of Great Pee Dee River in Darlington and Florence counties, South Carolina.

The terrane to which he applied the name is the equivalent, as shown by both its lithologic and paleontologic characters, of the division in

¹Handbook of South Carolina, issued by the State Department of Agriculture, Commerce and Immigration, 1907. Chapter 5, pp. 77-145. (This chapter is said by Watson to have been issued as a separate in May or June, 1907, and a map was published in 1905 on which the name Black Creek shale was used.)