

	FEET.
Bright yellow and pink clay.....	1½
Dark, bluish or drab, sandy clay, becoming more sandy toward base, contains impressions of fossil shells.....	1
Light, coarse sand, mottled with yellow.....	1½
Concealed by beach sand.....	1½
Dark to black clay and sand containing a large amount of brown lignite in the form of twigs, limbs and trunks, etc. This layer exposed only at low tide.....	1

At one locality on Neuse River which is questionably referred to the Chowan formation a large accumulation of fossil leaves, nuts, and other plant remains has been preserved. Collections of these have been studied by E. W. Berry.¹ This deposit is believed to have been formed near the head of an estuary. The details of this section are given below:

SECTION ON NEUSE RIVER, 79½ MILES ABOVE NEW BERN AND ABOUT 4½ MILES ABOVE SEVEN SPRINGS, RIGHT BANK.

Pleistocene (Chowan formation?):

	FEET.
Clay loam, grading down into sandy loam.....	4
Coarse white and yellow sand with gravel layers toward base; some boulders of crystalline rock in lower portion.....	7
Tough blue clay with interstratified laminæ and layers up to 2 or 3 inches in thickness consisting of masses of well-preserved leaves with some lignitized wood, acorns, hickory nuts, beech nuts, etc.	3

The section is formed where the river cuts against the edge of a very level stream-bordering terrace. On account of the lack of topographic maps, it is impossible to determine with certainty the proper correlation of this deposit, but the evidence seems to favor the interpretation here adopted.

E. W. Berry refers to the above locality as Station 850, Neuse River. He has identified the following forms:

STATION 850, NEUSE RIVER.

<i>Pinus rigida</i> Mill (leaves).	<i>Salix</i> sp., No. 2 (leaves).
<i>Taxodium distichum</i> (L.) Rich (foliage).	<i>Carpinus caroliniana</i> Walt. (leaves).
<i>Hicoria ovata</i> (Mill) Britt (leaves and nuts).	<i>Betula nigra</i> Linné (leaves).
<i>Hicoria glabra</i> (Mill) Britt (leaves).	<i>Betula pseudofontinalis</i> Berry (leaves).
<i>Hicoria aquatica</i> (Michx. f.) Britt (leaves).	<i>Fagus americana</i> Sweet (leaves and fruit).
<i>Salix</i> sp., No. 1 (leaves).	<i>Quercus platanoidea</i> (Lam.) Sudw.?
	(leaves).
	<i>Quercus prinus</i> Linné (leaves).

¹Jour. of Geol., vol. 15, 1907, pp. 338-349.