

TAFT'S LANDING, TAR RIVER, 6½ MILES BELOW GREENVILLE, RIGHT BANK.

*Pleistocene:*

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| Gray sand, ferruginous at base..... | FEET.<br>7 |
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*Miocene (St. Marys):*

Dark greenish-gray arenaceous clay with thin laminae of fine sand, iron-stained in places, with some fossils and casts near base.

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| Dark green or greenish-gray sandy clay full of shells at top with fewer shells at base..... | 6 |
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*Marl Pits 1-2 Mile North of Grimesland on Tributary of Chilcod Creek.*—Marl has been dug here within a few years and seems to be the same formation as that about Greenville, Tarboro, and Rocky Mount. The marl is very different, lithologically, from that near Chocowinity, though so few fossils could be found that it is difficult to say how unlike it is paleontologically. The shells are found in a blue sand matrix, and fragments of shells seem to be wanting. The owner of the pit reports that in this same vicinity the fragmental marl—red marl—occurs, so that it seems that the Yorktown and St. Marys formations occur here.

SECTIONS ALONG CONTENTNEA CREEK AND ITS TRIBUTARIES.

Record of County Well at Wilson, N. C., located on Courthouse Square.

*Pleistocene:*

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| Fine yellow argillaceous sand at depth of.....     | FEET.<br>1-10 |
| Fine yellow, slightly argillaceous sand.....       | 10-20         |
| Mottled pink and white finely arenaceous clay..... | 20-30         |

*Miocene (St. Marys):*

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| Bluish drab clay..... | 30-50 |
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Greenish-gray sandy clay, with a few shell fragments as follows:

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| <i>Mulinia</i> sp. (?), <i>Pecten</i> sp., <i>Phacoides crenulatus</i> ..... | 50-55 |
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Marine shells more or less fragmentary, with an admixture of coarse quartz sand and angular pieces of quartz, and pieces of crystalline rock up to ½ inch in diameter. The following forms were recognized: *Arca* sp., *Balanus concavus*, *Cadulus thallus*, *Crepidula aculeata*, *Crepidula fornicata*, *Echinoid* spines, *Ensis* sp., *Mulinia congesta*, *Ostrea sculpturata*, *Phacoides crenulatus*, *Venus rileyi*, *Yoldia laevis*.....

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| Shells more or less fragmentary, with some admixture of coarse angular quartz sand and angular pieces of quartz up to ½ inch in diameter. The following forms were recognized: <i>Arca</i> sp. (?), <i>Mulinia congesta</i> , <i>Pecten eboreus</i> , <i>Venus</i> sp..... | 55-60<br>60-65 |
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| Greenish-gray calcareous clay..... | 65-75 |
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*Pre-Cambrian:*

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| Crystalline rock, considerably decomposed in upper portion, less so in the lower levels..... | 80-113 |
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