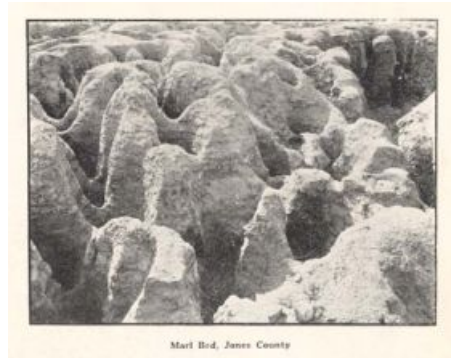


Marl Beds ^[1]

Marl Beds



Marl Beds, Jones County. Image courtesy
by Louis P. Towles, 2006 of DocSouth, UNC Libraries. ^[2]

Marl beds are found along the eastern and southeastern coastline of the United States and on land across the world that was once covered by the sea. Such beds, referred to by Roman writer [Marcus Varro](#) ^[3] as "white fossil clay," were formed by the breakdown of rock and the buildup of seashell, animal, and plant remains. The result was a varying mixture of sand, clay, azote, magnesium, iron, and limestone that was used by the Greeks, Romans, Gauls, Britons, and others to add lime, a natural fertilizer, to the soil.

In North Carolina, marl has been found in most of the counties that make up the coastal plain. This marl area, which consists of more than 20,000 square miles, extends west from the fall line and is in places nearly 200 miles from the Atlantic shore. North Carolina's natural limestone was far less valuable and accessible than that of neighboring states. The blue/gray and green marls, found chiefly in [Pitt](#) ^[4], [Columbus](#) ^[5], [Wayne](#) ^[6], [Lenoir](#) ^[7], [Craven](#) ^[8], [Duplin](#) ^[9], and [Onslow](#) ^[10] Counties, were generally suitable only for supplemental side-dressing of the lighter and poorer state soils. Since the effect lasted for little more than a season, few farmers availed themselves of local "white fossil clay." By the early 2000s, marl beds in the state were lying dormant.

References:

F. Willard Berry, *Marls and Limestones of Eastern North Carolina* (1947).

Gerald F. Loughlin, *Limestones and Marls of North Carolina* (1921).

Additional Resources:

Report of the North Carolina geological survey, together with descriptions of the fossils of the marl beds (1858). Internet Archive. Available from <https://archive.org/details/reportofnorthcar00nortrich> ^[11] (accessed September 25, 2012).

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Subjects:

[Natural resources](#) ^[12]

Authors:

[Towles, Louis P.](#) ^[13]

Origin - location:

[Columbus County](#) ^[14]

[Craven County](#) ^[15]

[Duplin County](#) ^[16]

[Lenoir County](#) ^[17]

[Onslow County](#) ^[18]

[Pitt County](#) ^[19]

[Wayne County](#) ^[20]

From:

[Encyclopedia of North Carolina, University of North Carolina Press.](#) ^[21]

Source URL:<https://www.ncpedia.org/marl-beds>

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