

# PALEOGENE CALCAREOUS NANNOPLANKTON BIOSTRATIGRAPHY: MISSISSIPPI, ALABAMA AND TENNESSEE

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## ABSTRACT

Distribution and abundance of calcareous nannoplankton in the Paleogene formations of Mississippi (MS), Alabama (AL) and Tennessee (TN) are reported in this study. These data have been used to assign each of the following nannoplankton-bearing formations and members to Martini's (1971) internationally recognized calcareous nannoplankton zones.

<b>Formations and Members</b>	<b>Zones</b>		
Paynes Hammock Formation (MS)	NP 24	Cocoa Sand Member (AL)	NP 17, NP 18, NP 19
Chickasawhay Limestone (AL)	NP 24	North Twistwood Creek Clay Member (AL)	NP 17
Bucatanua Formation (AL)	NP 22	Moodys Branch Formation (MS) (AL)	NP 17 NP 17
Byram Formation (MS)	NP 22	Gosport Sand (AL)	NP 17
Glendon Limestone (MS) (AL)	NP 22	Cook Mountain Formation Potterchitto Member (MS)	NP 16
Marianna Limestone (MS) (AL)	NP 21, 22 NP 21	Lisbon Formation 'Upper' (AL)	NP 16, NP 17
Mint Spring Formation (MS)	NP 22	'Middle' (AL)	NP 16
Forest Hill Formation (MS)	NP 21	'Lower' (AL)	NP 15
Red Bluff Formation (AL)	NP 21	Tallahatta Formation (AL)	NP 14, NP 15
Bumpnose Limestone (AL)	NP 21	Hatchetigbee Formation Bashi Marl Member (AL)	NP 9, NP 10
Crystal River Formation (AL)	NP 19/20	Tuscahoma Sand Bells Landing Marl Member (AL)	NP 9
Yazoo Formation		Nanafalia Formation 'Ostrea thirsae' beds (AL)	NP 7, NP 8
Shubuta Clay Member (MS)	NP 19/20, NP 20, NP 21	Salt Mountain Limestone (AL)	NP 7
(AL)	NP 19/20, NP 20, NP 21	Naheola Formation Coal Bluff Marl Member (AL)	NP 5
Pachuta Marl Member (MS)	NP 19/20	Porters Creek Formation (AL)	NP 3/4
(AL)	NP 19/20	Matthews Landing Marl Member (AL)	NP 3/4
		Clayton Formation (TN)	NP 2, NP 3/4
		McBryde Limestone Member (AL)	NP 3/4, NP 4
		Pine Barren Member (AL)	NP 1, NP 2

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