

PERIOD	STAGE	DEEP RIVER BASIN	WADESBORO BASIN Randazzo and others (1970)	SANFORD BASIN Campbell and Kimball (1923) Reinemund (1955)	DURHAM BASIN Bain and Harvey (1977)	DURHAM BASIN Hoffman and Gallagher (1989)	DURHAM BASIN Olsen and Huber (1997)
UPPER TRIASSIC	NORIAN	?	?	?	?	?	?
	CARNIAN	CHATHAM GROUP	Upper sandstone and border conglomerate	Sanford Formation (Red sandstone and mudstone)	Eastern conglomerate-fanglomerate Red sandstone-mudstone Tan arkosic fluvial	Lithofacies Association II Trcc Trcs/c Trcsc Trcs	Lithofacies Association III Trcc Trcs/c Trcs/sc
			Middle clay shale and mudstone	Cumnock Formation (Coal and black shale)	Chert-limestone-mudstone	Lithofacies Association II Trcsi/s Trcs/si ₂	Lithofacies Association II Trcsi/s Trcs/si ₂
			Lower pebbly sandstone	Pekin Formation (Mudstone, sandstone, and conglomerate)	Argillite-graywacke-conglomerate Western conglomerate	Lithofacies Association I Trcs/si ₁	Lithofacies Association I Trcs/si ₁
			?	?	?	?	?

Source: Clark et al. (2001)

Progress Energy Carolinas

**Shearon Harris Nuclear Power Plant
Units 2 and 3
Part 2, Final Safety Analysis Report**
New Hill, North Carolina

Stratigraphy of the Chatham Group in the
Deep River Basin of North Carolina
and South Carolina
FIGURE 2.5.1-261

Rev. 1