

33. SHORE LABORATORY REPORT ON MESOZOIC PLANKTONIC FORAMINIFERA – DSDP LEG 16

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COMPOSITE BIOSTRATIGRAPHIC DETERMINATION FOR SAMPLES 163-15-1(45-48CM) AND 163-27-1(78-80 CM)

Species	Age
<i>Pseudoguembelina costulata</i> (Cushman)	late Campanian-Maestrichtian.
<i>Globotruncana bulloides</i> (Vogler)	middle Santonian-early Maestrichtian.
<i>Globigerelloides ferreolensis</i> Moullade	Aptian (late Bedulian-early Gargasian).
<i>Globigerinelloides blowi</i> (Bolli)	Aptian (late Bedulian-early Gargasian).
<i>Hedbergella sigali</i> (Moullade)	Aptian (late Bedulian-early Gargasian).
<i>Hedbergella pacifica</i> Douglas	Aptian-early Albian.
<i>Hedbergella delrioensis</i> (Carsey)	Cenomanian-Albian

Species	Age
<i>Praeglobotruncana delrioensis</i> (Carsey)	Cenomanian-late Albian.
<i>Schackoina</i> n. sp.	

All of these samples are assignable to the *G. fornicata-stuartiformis* Assemblage Zone (*G. elevata* Subzone to *R. subcircumnodifer* Subzone) of the late Campanian to early Maestrichtian. Practically all of the samples sent to us contain numerous reworked Cenomanian-Albian and Aptian (Upper Bedulian to Lower Gargasian) planktonic foraminifera. In most samples the Aptian foraminifera are numerous and tend to mask the late Campanian to early Maestrichtian elements.

Bukry (personal communication) examined the matrix from the crushed tests of some of the reworked Aptian species and found them to contain Campanian-Maestrichtian nannofossils. One must conclude, therefore, that the tests of these Aptian forms were free of any sort of matrix when they were introduced into the basin of deposition.