

DEPTH (m)	CORE NO.	C R I	LITHOLOGIC DESCRIPTION	NANNO	ZONE	FORAM	CHARACTERISTIC SPECIES
60	28						
	1						
	2		Green-gray clay, brown clay, red clay; dolomite mica, zeolites, feldspar in fine fraction.		Discoaster tani nodifer		Calcareous Nannofossils: <i>Reticulofenestra umbilica</i> , <i>Chiasmolithus gigas</i> , <i>Coccolithus pelagicus</i> , <i>Cyclococcolithus cf. floridanus</i> , <i>Discoaster barbadiensis</i> , <i>Discoaster deflandrei</i> .
160			Center bit contained green clay with <i>Discoaster tani nodifer</i> ? and white chalk with <i>Discoaster barbadiensis</i> , <i>Braarudosphaera</i> spp.		Discoaster tani nodifer		
MIDDLE EOCENE	3		Nano-sponge spicule-foram radiolarian chalky ooze with mica and diatoms. Green gray clay with nannofossils, radiolarians, sponge spicules forams.		Discoaster tani nodifer		Calcareous Nannofossils: <i>Reticulofenestra umbilica</i> , <i>Chiasmolithus gigas</i> , <i>Coccolithus pelagicus</i> , <i>Coccolithus eopelagicus</i> , <i>Cyclococcolithus quadratus</i> , <i>Braarudosphaera undata</i> , <i>Microantholithus basimarginatus</i> , <i>Ptycholithus bilobatus</i> , <i>Discoaster barbadiensis</i> , <i>Discoaster salpanensis</i> , <i>Discoaster tani nodifer</i> , <i>Discoaster gemmifer</i> , <i>Discoaster deflandrei</i> . Radiolaria: <i>Lychnocanium bellum</i> , <i>Sethohydris babylonis</i> group, <i>Thecocytis (?) fuscus</i> , <i>Podoconites papalis</i> , <i>Lithocyclita ocellus</i> group, <i>Lithohydris vespertilio</i> , <i>Thecocystis mongolfieri</i> , <i>Thyreocystis rhizodon</i> , <i>Thyreocystis triacantha</i> , <i>Euspringium fistuligerum</i> , <i>Podoconites mitra</i> , <i>Cycladophora hispida</i> , <i>Calocyclus (?) ampulla</i> , <i>Anthocyrtoma</i> . Benthonic Foraminifers: <i>Bathyiphon</i> spp.
220	4		Center bit-green clay with well preserved forams nannofossils, diatoms ooze.		?		
	5		White nannofossil clay ooze.		?		Benthonic Foraminifers: <i>Bathyiphon</i> ? <i>Cibicides</i> . Calcareous Nannofossils: <i>Discoaster ornatus</i> , <i>Discoaster barbadiensis</i> , <i>Chiasmolithus grandis</i> , <i>Braarudosphaera discula</i> , <i>Coccolithus eopelagicus</i> . Radiolaria: <i>Lychnocanium bellum</i> , <i>Thecocystis mongolfieri</i> , <i>Cycladophora hispida</i> .
LOWER MIDDLE EOCENE			Center bit - (A) radiolarian cherty claystone; (B) white chalky claystone; (C) gray nannofossil clay.		?		
	6		Brown zeolite clay.		?		
	7		Gray nannofossil chalk.		?		Calcareous Nannofossils: <i>Discoaster ornatus</i> , <i>Discoaster barbadiensis</i> , <i>Sphenolithus radians</i> , <i>Microantholithus flos</i> , <i>Braarudosphaera discula</i> . Radiolaria: <i>Calocyclus ampulla</i> , <i>Anthocyrtoma</i> sp.
330	8		Mixed rock fragments from 8 corecatcher: (A) white sugary chalk. (B) white nannofossil clay. (C) red radiolarian argillite (D) green banded clay. (E) brown banded clay. (F) brown claystone with dolomite. (G) blue claystone with carbonate. (H) pink claystone with rads and nannos. (I) Brown radiolarian siliceous clay. (J) Yellow clay with carbonate.		?		Calcareous Nannofossils: <i>Discoaster ornatus</i> , <i>Discoaster barbadiensis</i> , <i>Discoaster aster</i> , <i>Campylospira</i> <i>dela</i> , <i>Coccolithus eopelagicus</i> , <i>Sphenolithus radians</i> , <i>Helicopontosphaera lophota</i> .
LOWER MIDDLE EOCENE			Center bit - (A) white nanno chalk ooze (upper hole?) Brown clay with mica black opaque material (mixed sources).		Rotalipora appenninica appenninica		
400	9		Barrel 9 corecatcher: Green gray clays with pyrite, quartz, zeolites, chlorite, calcite.				
			In bit tooth grooves well preserved nanno-diatom light gray ooze (Mid Eocene nanno).				

Stratigraphic summary chart—Leg 4, Site 28.