SITE 1051	$H \cap I = A$	CORE 2H

SITE 105	1 HOLE A CC	RE 2H						CORED 5.8-15.3 mbsf
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
		♦		☆	middle Eocene	-ss	pal YE	NANNOFOSSIL OOZE WITH SILICEOUS MICROFOSSILS and ZEOLITE NANNOFOSSIL OOZE Dominantly pale yellow (5Y 8/2 to 2.5 Y 8/2) NANNOFOSSIL OOZE WITH SILICEOUS MICROFOSSILS to OOZE WITH SILICEOUS MICROFOSSILS to OOZE with blebs, diffuse patches, and streaks of gray material containing an ASH component throughout. Otherwise, sediment is extremelyhomogeneous. Core also contains cm-scale oval CLAY patches interpreted as burrows at two levels as noted. Drilling slurry of yellow ooze (5Y 8/2) with Mn nodules and large (medium to coarse sand size), discolored foraminifers, from Section 1, 0 cm to Section 2, 116 cm 130 cm - olive (5Y 4/4) oval patch, 5 x 2.5 cm, elongate along core, seems undisturbed, filled with clay, tentatively interpreted as a large burrow

1051A-3H

_	SIT	E 1051	HOLE	A COR	≣ 4H						CORED 24.8-34.3 mbsf
METRES	CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
3	22 7 6 5 4 4 3 2 1			GI	÷ · · · · · · · · · · · · · · · · · · ·	★ <p< td=""><td></td><td>middle Eocene</td><td>—ss —iw —ss —ss</td><td>pal YE</td><td>Generally homogeneous, pale yellow (2.5Y 8/1 to 5Y 8/2) SILICEOUS NANNOFOSSIL OOZE; Vague burrow mottling occurs throughout indicating heavy bioturbation. There are several rare olive blebs. ——ASH, mottled gray, Section 4, 93 cm minor lithology: SILICEOUS NANNOFOSSIL OOZE WITH CLAY, slightly darker color.</td></p<>		middle Eocene	—ss —iw —ss —ss	pal YE	Generally homogeneous, pale yellow (2.5Y 8/1 to 5Y 8/2) SILICEOUS NANNOFOSSIL OOZE; Vague burrow mottling occurs throughout indicating heavy bioturbation. There are several rare olive blebs. ——ASH, mottled gray, Section 4, 93 cm minor lithology: SILICEOUS NANNOFOSSIL OOZE WITH CLAY, slightly darker color.

1051A-4H

s	SITE 1051 CORE A HOLE 6H CORED 43.8-53.3 mbsf												
METERS	CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS		
4	3 2 1				♦		5	middle Eocene	—\$\$ \$\$ \$\$	pal YE	SILICEOUS NANNOFOSSIL OOZE Pale yellow (2.5Y 8/2 to 5Y 8/2), homogeneous SILICEOUS NANNOFOSSIL OOZE occurs throughout core. A single ASH bile (-1 cm diameter) occurs in Section 1, 72-73 cm. SM, Section 1, 72 cm: ASH-volcanic glass in a NANNOFOSSIL OOZE matrix SD		

1051A-6H

211E 1051

_	SITI	E 1051	I HOLE	A CORE	8H						CORED 62.8-72.3 mbsf
METERS	CORE AND SECTION	ІТНОГОСУ	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
2	8 7 6 5 4 3 2 1							middle Eocene	SS XXFF XRFF SS	pal YE	SILICEOUS NANNOFOSSIL OOZE WITH FORAMINIFERS Homogeneous SILICEOUS NANNOFOSSIL OOZE with Mn flecks scattered throughout. The color is pale yellow (5Y 8/1 to 5Y 8/2) from the top of Section 1 to Section 2, 55 cm, where there is a sharp color change to light greenish gray (5G 8/1) below. —SM Section 3, 90 cm: 1 cm thick brownish interval-no glass

1051A-8H

1051A-9H

5	SITI	E 105	1 HOLE	A CORE	10H						CORED 81.8-91.3 mbsf
METERS	CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
2	7 6 5 4 3 2 1		~~~					middle Eocene	—ss — iw —ss —pal	lt gn GY	NANNOFOSSIL OOZE WITH SPICULES General description: Core contains light greenish gray (56 8/1) NANNOFOSSIL OOZE WITH SPICULES with rare black flecks scattered throughout. ——Section 4, 61-62 cm: ASH layer ——SM Section 6, 76 cm: NANNOFOSSIL OOZE W/ASH

1051A-10H

SIT	E 105	1 HOLE	A CORE	11H						CORED 91.3-100.8 mbsf
METERS CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
4 11 4 1 9				♣		I	middle Eocene	—ss	It gn GY	SILICEOUS NANNOFOSSIL OOZE General description: Entire core is composed of homogeneous, light greenish gray (10GY 8/1) SILICEOUS NANNOFOSSIL OOZE with scarce pyrite blebs throughout. 0-115 cm: drilling disturbance (flow-in) 5-8 cm: Mn oxide nodule (downhole contamination)

1051A-11H

SITE 1051 HOLE A CORE 12H CORED 100.8-110.												
METERS	CORE AND SECTION	гиногоду	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS	
4	7 6 5 4 3 2 1						\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	middle Econe	—ss —ss —ss	lt gn GY	SILICEOUS NANNOFOSSIL OOZE General description: Core is dominantly composed of homogeneous, light greenish gray (56 8/1) SILICEOUS NANNOFOSSIL OOZE. Sediment becomes slightly darker through Section 5 but is still light greenish gray (10GY 8/1) and of the same composition. There are two dark intervals (Section 5, 96-97 cm and Section 6, 9-10 cm) but these too have the same composition based on smearslides. SD, Section 1, 56 cm	

1051A-12H

SITE 105	SITE 1051 HOLE A CORE 14H CORED 119.8-129.3 mbsf											
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS			
2		Py			↑	middle Eocene	—PAL	lt gn GY	CLAYEY CHALK WITH SILICEOUS MICROFOSSILS General description: The entire core consists of monotonous, structureless light greenish gray (10GY 8/1) CLAYEY CHALK WITH SILICEOUS MICROFOSSILS. Dark (pyrite?) spots occur throughout this undisturbed core. — Faint, slightly darker (5Y 7/1) layer Faint, slightly darker, light greenish gray (5G 8/1) layer			

1051A-14H

1051A-16H

1051A-17X

SITE 1051 HOLE A CORE 18X CORED 158.2-167.8 mbsf CORE DISTURBANCE ACCESSORIES ICHNOFOSSILS LITHOLOGY SAMPLES FOSSILS COLOR AGE REMARKS NANNOFOSSIL CHALK WITH SILICEOUS
MICROFOSSILS AND FORAMINIFERS to
SILICEOUS NANNOFOSSIL CHALK General Description: Entire core contains light greenish gray (10GV 8/1) NANNOFOSSIL CHALK WITH SILICEOUS MICROFOSSILS and FORAMINIFERS to SILICEOUS NANNOFOSSIL CHALK, alternating lighter and slightly darker intervals. The darker intervals are slightly richer —ss —ss in siliceous microfossils. ****** It gn GY ****** —ss 928

1051A-18X

SITE 1051	HOLE	A COR	≣ 20X						CORED 177.4-187.0 mbsf
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
	~~~				\$\$	middle Eocene	—ss —ss —pal	It gy GN	SILICEOUS NANNOFOSSIL CHALK  Alternating slightly darker and lighter shades of light greenish gray (10GY 8/1 to 10GY 7/2) SILICEOUS NANNOFOSSIL CHALK.  Bioturbation is moderate throughout; pyrite occurs as blebs, burrow linings, or in the Zoophycos spreiten in the lower part of the core.  A conspicuous dark gray (3 G 7/2) VITRIC ASH WITH QUARTZ AND BIOTITE occurs at Section 7, 35 cm. This ash can be traced to an ash of similar thickness in Sections1050A-1H and 1050B-1H.

1051A-20X

S11E 105

SITE 1	SITE 1051 HOLE A CORE 22X CORED 196.6-206.2 mbsf												
METERS CORE AND SECTION		PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS			
22 22 1 24 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4				2000		A	middle Eocene	—ss	pal gy GN	SILICEOUS NANNOFOSSIL CHALK WITH CARBONATE GRAINS Strongly burrowed, light greenish gray (5G 8/1) SILICEOUS NANNOFOSSIL CHALK WITH CARBONATE GRAINS with dark flecks (pyrite) throughout.  —Section 2, 50-55 cm and 110-120 cm: Zoophycos burrows  —Section 4, 96-102 cm: Zoophycos burrows			

1051A-22X

SIT	E 1051	HOLE	A CORE	24X						CORED 215.8-225.4 mbsf
METERS CORE AND SECTION	LПНОLОGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
N 2 1 2 1 2 1 2 1 3 1 2 1 1 3 1 2 1 1 3 1 3				\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$		<del>                                      </del>	middle Eocene	—\$\$ —\$\$	pal gy GN	NANNOFOSSIL CHALK WITH SPONGE SPICULES Section 1, 0-1 cm: chert bits Section 1, 0-1 cm: chert bi

1051A-24X

_;	SIT	E 1051	1 HOLE	A CORE	26X						CORED 235.0-244.6 mbsf
METERS	CORE AND SECTION	гшногосу	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
6	D     7     6     5     4     3     2     1		<b>~~~</b>				<b>♦</b>	middle Eocene	—SS —SS	it gy GN	General description: The entire core consists of homogeneous light greenish gray (56 8/2) SILICEOUS NANNOFOSSIL CHALK. Some lighter or darker burrow fills occur. The core is moderately bloturbated (Chondrites, Planolites, Zoophycos, and unidentified burrows). Dark spots (pyrite) are scattered throughout and some burrows are lined with fine-grained pyrite. The core is biscuited and some biscuits are slightly fractured.  ——Section 3, 62-62.5: thin layer of dark gray (7.5G 3/1) ASH WITH PYRITE

1051A-26X

SI	TE 1051	I HOLE	A CORE	E 28X		CORED 254.2-263.8 mbsf				
METERS	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
	る。基			Î		<b>↑</b>		—ss		NANNOFOSSIL CHALK WITH SILICEOUS MICROFOSSILS
284				92c		•	middle Eocene	—ss	pal gy GN	MICROPOSICS  General Description: Light greenish gray (5G 8/1) NANNOFOSSIL CHALK WITH SILICEOUS MICROFOSSILS. Faint color banding from light to very light green is apparent. The entire core is moderately bioturbated with Zoophycus, Chondrites and unidentified burrows. Small burrows are filled with dark material (pyrite), larger burrows with olive green SILICEOUS NANNOFOSSIL CHALK WITH CLAY. Biscuiting is pervasive, with the average size of biscuits ~10 cm.
6				THE THE PERSON NAMED IN COLUMN 1				—PAL		——94 cm: 1 cm diameter pyrite nodule

1051A-28X

SITE 1051 HOLE A CORE 30X CORED 273.4-283.0 mbsf												
ГІТНОГОСУ	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS			
							—ss		SILICEOUS NANNOFOSSIL CHALK			
		_ ///	***			middle Eocene	—ss	gn GY	— General Description: The core consists of greenish gray (5G 7/1 to 5G7/1), burrow mottled SILICEOUS NANNOFOSSIL CHALK, with scattered dark specks and burrow fillings throughout. The core is severely drilling biscuited throughout. Green laminae, probably of early diagenetic origin, occur in several horizons.  — 93 cm: grayish interval of SILICEOUS NANNOFOSSIL CHALK WITH VITRIC ASH			
		-										
		_	<b>\$</b>		ļ		—PAL	gn GY	——65 cm: black pyritic lamina			
							PHYSICAL STRUCTURES  ACCESSORIES  ICHNOFOSSILS  FOSSILS  AGE		PHYSICAL STRUCTURES  PHYSICAL			

1051A-30X

SITE 10	51 HOLE	A CORE	≣ 32X						CORED 292.6-302.2 mbsf
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
480			***			middle Eocene	—ss	pal GN	NANNOFOSSIL CHALK WITH SILICEOUS MICROFOSSILS
			J.		J		—ss —pal		Lamina of 2 mm pyrite aggregates, scattered.

1051A-32X

SITE 105	1 HOLE	A CORE	33X		CORED 302.2-311.8 mbsf				
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
2 2 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			######################################		<del>\(\frac{1}{2}\)</del>	middle Eocene	—ss —ss —ss	pal GN	NANNOFOSSIL CHALK WITH SILICEOUS MICROFOSSILS  Moderately bioturbated pale green (5G 7/1) NANNOFOSSIL CHALK WITH SILICEOUS MICROFOSSILS containing radiolarians, sponge spicules, diatons, and foraminflers. Drilling biscults occur throughout. Rare black pyrite specks, stringers and burrow linings of unidentified burrows, Chondrites and Zoophycos occur.  SM: 134 cm; VITRIC ASH in slury

1051A-33X

SITE 1051 HOLE A CORE 34X

CORFD	311	8-321	- 5	mhei

1051A-34X	(

SITE 105	1 HOLE	A CORE	34X						CORED 311.8-321.5 mbsf
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
	~~~		****			middle Eocene	— \$\$  — \$\$  — \$\$  — \$\$  — \$\$  — \$\$  — \$\$	It gn GY	NANNOFOSSIL CHALK WITH SILICEOUS MICROFOSSILS  General description: Light greenish gray (5G 8/1) bioturbated NANNOFOSSIL CHALK with a few ASH layers. The core is diffling-biscuited throughout, with 2-3 cm biscuits every 7/8 cm. Some rare faint, probably early diagenetic, green bands and laminae occur.  VITRIC ASH WITH NANNOFOSSILS, 118 cm.  VITRIC ASH WITH CARBONATE GRAINS, 9 cm

SITE 1051	HOLE A	A CORE	35X	CORED 321.5-331.1 mbsf					
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
	~~		\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		<u> </u>	middle Eocene	—SS —PAL	It gn GY	NANNOFOSSIL CHALK WITH SILICEOUS MICROFOSSILS AND CLAY Moderately bioturbated, light greenish gray (56 8/1) NANNOFOSSIL CHALK WITH SILICEOUS MICROFOSSILS AND CLAY The core is slightly disturbed from Section 1, 1 to 110 cm, and severely drilling-biscuited from Section 1, 110 to CC, 33 cm. Section 1, 110 to CC, 33 cm.

1051A-35X

CORED 331 1-340 7 mbef

1051A-36X

SITE 105	1 HOLE A CORI	≣ 36X	CORED 331.1-340.7 mbsf							
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS		
		***			middle Econe	—ss	It gn GY	SILICEOUS NANNOFOSSIL CHALK WITH FORAMINIFERS General description: The entire core consists of SILICEOUS NANNOFOSSIL CHALK WITH FORAMINIFERS. The color is light greenish gray (10GY 8/2) throughout. Tiny darkish flecks and burrows are stained with pyrite. The entire core is severly bisculted. —Section 6, 7-10 cm dark, Pyrite-stained burrows		

1051A-37X

1051A-38X

SITE 1051	HOLE	A CORE	38X						CORED 350.4-360.1 mbsf
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
			♣	a	1	middle Eoœne	—ss	gn GY	SILICEOUS NANNOFOSSIL CHALK Homogeneous greenish gray (5GY 5/1) SILICEOUS NANNOFOSSIL CHALK with diatoms, radiolaria and sponge spicules, moderately to slightly bioturbated. Rare to common pyrite occurs as specks, blebs, and burrow linings. Severe drilling disturbance (biscuiting) throughout.

1051A-39X

SITE 1051	HOLE A COR	E 40X						CORED 369.7-379.3 mbsf
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
22 7 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		\$\$\frac{1}{2}\$		# # # # # # # # # # # # # # # # # # #		—ss —iw —ss —ss	It gn GY vit gn GY	SILICEOUS NANNOFOSSIL CHALK WITH CARBONATE GRAINS to SILICEOUS CHALK WITH NANNOFOSSILS AND CARBONATE GRAINS General description: The main lithology is a SILICEOUS NANNOFOSSIL CHALK WITH CARBONATE GRAINS that grades into a SILICEOUS CHALK WITH HANNOFOSILS AND CARBONATE GRAINS downcore. Siliceous microfossils increase downcore. Moderate bioturbation in the entire core. The core is biscuited throughout and biscuits are slightly fractured except in Section 1 and Section 4 (80-127 cm.), where fracturing is moderate to high. The color is light greenish gray (10 CV 8/1) and slightly lighter (10CY 8/1) in Section 4 from 80 to 127 cm. In this interval, slideous fossils start to be more abundant. In the CC, a biscuit of white (2.5 Y 8/1) limestone with greenish gray (10Y 6/2) chert is at 31-35 cm.

SITE 105	1 HOLE	A CORE	41X						CORED 379.3-381.6 mbsf
HITHOLOSY	PHYSICAL STRUCTURES	ACCESSORIES	(←────∳ ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	micde AGE Eocene	SAMPLES SAMPLES	COLOR	REMARKS General Description: This core consists of a white (2.5Y 8/1) LIMESTONE WITH NANNOFOSSILS with burrows and bisculing throught out. In Section 1, 75-78 cm, there is a thin, gray (5YR 6/1) layer of CLAY WITH FE-OXIDE that may be an altered ASH layer. This layer is bracketed above and below by 1 cm of white (10Y 8/1) LIMESTONE WITH ZEOLITE that has a greenish tone to the color. -SM Section 1, 75 cm. LIMESTONE WITH ZEOLITE Section 1, 75 cm, CLAY WITH FE-OXIDE

1051A-42X

SI	TE 105	1 HOLE	A CORE	43X						CORED 399.5-409.1 mbsf
METERS	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
						\$		—ss	It gn GY	SILICEOUS NANNOFOSSIL CHALK General description: This core consists of light greenish gray (5GV 8/1) SILICEOUS NANNOFOSSIL CHALK that is bioturbated and biscuited throughout. Three ASH layers were identified.
2		~~~						—ss	It gn GY	SD Section 1, 57 cm Section 1, 132-133 cm: greenish gray (5GY 6/1) VITRIC ASH WITH CARBONATE GRAINS
4		~~~		***		•	early Eocene	—ss	It gn GY	Section 3, 51-53 cm: light brownish gray (5YR 6/1) vitric ASH WITH BIOTITE
10-		^~~		J.				—ss	It gn GY	——Section 6, 120-122 cm: greenish gray (5GY 6/1) VITRIC ASH

1051A-43X

SITE 1	1051	HOLE	A CORE	44X						CORED 409.1-418.7 mbsf
CORE AND SECTION		PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				Î			early Eocene	— SS	It gn GY	— SILICEOUS NANNOFOSSIL CHALK — General description: The core is dominantly light greenish gray (10GY 7/2) SILICEOUS NANNOFOSSIL CHALK except for darker or lighter burrow infillings that contain SILICEOUS NANNOFOSSIL CHALK WITH CLAY. The core is bisculted throughout, biscuits are 10 to 20 cm or longer in Section 1, with only slight fracturing throughout. Bioturbation is moderate; Planolites are abundant from Section 3, 57 cm to Section 4, 60 cm.

1051A-44X

SIT	E 1051	HOLE	A CORE	45X						CORED 418.7-428.3 mbsf	1051A-45X
METERS CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS	
2.2								—ss		PORCELLANITE WITH CLAY AND NANNOFOSSIL General Description: Entire core is homogeneous and generally structureless, consisting of light greenish gray (1007 7/1) PORCELLANITE WITH CLAY AND NANNOFOSSIL. Bioturbation is moderate throughout. Small burrows are filled with pyrite (?). Core disturbance is moderate in Sections 1-4, with biscuits of -10-15 cm. Biscutting is more severe from Section 5, 0 cm to Section 7, 31 cm.	

early Eocene

It gn GY

1051A-46X

SITE 105	1 HOLE A COR	E 4/X						CORED 437.9-447.5 mbsf
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
				~ 	early Eocene	—ss	It gn GY It gn GY	SILICEOUS CHALK WITH CLAY General Description: This core consists of SILICEOUS CHALK WITH CLAY varying from light greenish gray (5G 71) to greenish gray (5G 61). Burrows, biscuits, laminae, and pyrite flecks are scattered throughout the core. —SD Section 2, 80 cm

SITE 105	1 HOLE	A CORE	49X						CORED 457.1-460.2 mbsf
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
	@ + + m @		↑ ==== 			early Eocene	— Pho — SS — IW — SS — Pho — TSL	dk gn GY vdk gn GY dk gn GY vdk gn GY dk gn GY	SILICEOUS NANNOFOSSIL CHALK Zoophycos burrows postdate (cross-cut) soft-sediment deformation SILICEOUS CARBONATE CHALK WITH NANNOFOSSIL varying from dark greenish gray (4GY 1/1) to very dark greenish gray (2GY 6/1). In places the sediments are laminated, and sometimes slumped (CC). Bioturbation intensity from dominantly moderate to light where sediments are laminated. The drilling disturbance is generally slight; drilling biscuits occur about every 20 cm. SM: SPICULAR SILTSTONE WITH SILICEOUS MICROFOSSILS TS: SILICIFIED FORAMINIFER PORCELLANITE bareby gives a reaction to HCI. All foraminifers

1051A-49X

SITE 1051 HOLE A CORE 51X CORED 466.8-476.5 mbsf METERS CORE AND SECTION CORE DISTURBANCE LITHOLOGY AGE REMARKS SILICEOUS NANNOFOSSIL CHALK mdk gy GN General description: The core is dominantly SILICEOUS NANNOFOSSIL CHALK of a grayish green color (5GY 6/1 to 7GY 6/1). Cyclic light and mlt gy GN dark alternations are observed. Lighter color appears to derive from enhanced diagenesis. There are fewer nannofossils and more carbonate grains in the lighter intervals. The core is slightly mdk gy GN bioturbated throughout. Drilling biscuits are well formed and hardly disturbed. Convolute bedding in mlt gy GN -ss SM: lighter color, SILICEOUS NANNOFOSSIL CHALK WITH CARBONATE GRAINS 33333 mdk gy GN early Eocene mlt gy GN mdk gy GN mlt gy GN mlt gy GN SM: SILICEOUS NANNOFOSSIL CHALK WITH -ss CARBONATE GRAINS 926 mlt gy GN mlt gy GN mdk gy GN mlt gy GN

33335

1051A-51X

1051A-52X

SIT	E 1051	HOLE	A CORE	53X						CORED 486.1-495.7 mbsf
METERS CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
Ш						1			gn GY	SILICEOUS NANNOFOSSIL CHALK
				925					It gn GY	General Description: Core contains dominantly light greenish gray (5GY 7/1) to greenish gray (5GY 6/1) SILICEOUS NANNOFOSSIL CHALK. Meter scale
2				×					gn GY	light/dark alternations occur throughout. These are very subtle in places and generally have gradational contacts. Alternations are considerably thinner (20-50 cm) and generally have sharp
				924		-		—ss	It gn GY	contacts between dark (below) and light (above) intervals in Section 6. Background lithology is
				924					gn GY	homogeneous with discrete burrows including Chondrites (often concentrated in larger burrows), Teichichnus, Planolites, and Zoophycus. Burrows
				30000					It gn GY	are slightly larger from Section 3, 122 cm to the base of Section 5; discrete burrows are relatively
4				0			ocene		It gn GY	rare from Section 6 to base of core. Bioturbation is interpreted as heavy throughout. Pyrite flecks,
23				` 			early Eocene	—ıw	gn GY	often concentrated in burrows, occur throughout but are more common in Section 2, 10-60 cm and in Sections 3-5; they are rare in Sections 6-CC. Drilling disturbance is slight.
4				######################################		1		_ss	It gn GY	115 cm- burrow with diagenetic halo
6				924					gn GY	68-70 cm- gray interval: SM: SILICEOUS CHALK WITH NANNOFOSSILS AND CARBONATE GRAINS
2				2.					It gn GY	104-110 cm- vertical burrow 112 cm- pyrite, ~1 mm layer at base of biscuit
8				مير.					gn GY	——12-17 cm- convoluted, diffuse, gray ?diagenetic stain
00								—PAL	It gn GY	——16 cm- diffuse, gray ?diagenetic stain

1051A-53X

1051A-54X

SI	TE 10	51 HOLE	A CORE	55X						CORED 505.3-514.9 mbsf
METERS	LTHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
				2000 2000 2000 2000 2000 2000 2000 200					pal GN	SILICEOUS NANNOFOSSIL CHALK Pale green (5G 7/2) to pale yellowish green (10GY
				22222 22222					pal ye GN	7/2) alternations, slightly to moderately bioturbated with Chondrites, Planolites, and unidentified burrows.
2				₩ ₩ ₩		 	early Eocene			Moderately to severely drilling-biscuited
4		~~~		2 2233		X I	ă	—ss	pal GN	
	4 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	***		** †		 		SS ₹PAL	pal ye GN	Wavy laminae with burrowed fabric SS: 12 cm SILICEOUS NANNOFOSSIL CHALK

1051A-55X

SITE 1051 HOLE A CORE 57X CORED 524.5-534.1 mbsf METERS CORE AND SECTION CORE DISTURBANCE SAMPLES COLOR AGE REMARKS SILICEOUS CARBONATE CHALK WITH NANNOFOSSILS It gn GY -ss General Description: This core consists of bioturbated SILICEOUS CARBONATE CHALK WITH NANNOFOSSILS that varies from light greenish gray (5GY 8/1) to greenish gray (5GY 7/1). There is very little biscuiting, generally limited to large pieces with very little slurry in between. —ss gn GY It gn GY gn GY It gn GY It gn GY late Paleocene It gn GY It gn GY It gn GY It gn GY

1051A-57X

SITE 105	1 HOLE	A CORE	59X						CORED 543.7-553.3 mbsf
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
2 2 2			***			late Paleocene	—ss	It gn GY It gn GY	REMARKS SILICEOUS CLAYEY NANNOFOSSIL CHALK Light greenish gray (5GY 7/1) to greenish gray (5GY 6/1) SILICEOUS CLAYEY NANNOFOSSIL CHALK, grading into medium yellowish green (7.5GY 5/2) downcore. Core is moderately bioturbated throughout with Zoophycus and unidentified burrows. Numerous small burrows are filled with pyrite.
6						late Pal	PAL	It gn GY It gn GY gn GY	

1051A-59X

SIT

SITE 1051

REMARKS SILICEOUS CLAYEY NANNOFOSSIL CHALK Sign GY General Description: This core consists of bioturbated greenish gray (5GY 6/1) SILICEOUS CLAYEY NANNOFOSSIL CHALK. Times Times

SITE 1051 HOLE A CORE 61X

CORED 556.4-562.9 mbsf

19	METERS CORE AND SECTION
	ПТНОГОСУ
	PHYSICAL STRUCTURES
	ACCESSORIES
***	ICHNOFOSSILS
	FOSSILS
I	CORE DISTURBANCE
late Paleocene	AGE
—ss	SAMPLES
lt gn GY	COLOR
SILICEOUS CLAYEY NANNOFOSSIL CHALK General Description: The entire core consists of light greenish gray (10GY 7/2) SILICEOUS CLAYEY NANNOFOSSIL CHALK moderately bioturbated throughout. Biscuits (5 to 10 cm) throughout core.	REMARKS

SI	TE 1051	I HOLE	A CORE	CORED 562.9-572.5 mbsf						
METERS CORE AND SECTION	ГІТНОГОСУ	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
2						<	ocene	—ss	lt gn GY	SILICEOUS CLAYEY CARBONATE CHALK and SILICEOUS CLAYSTONE WITH CARBONATE GRAINS 40-43 cm: darker, clay-rich laminae Major Lithology: The upper part of the core (down to Section 5, 104 cm) consists of strongly bioturbated, light greenish gray (5GY 7/1) SILICEOUS CLAYEY CARBONATE CHALK
62				\$		\$	late Paleocene	—IW	It gn GY	
8.		=	GI	* * * * * * * * * * * * * * * * * * *		-\\\		—ss ¬ss Pho	gn GY	Minor Lithology: Below Section 5, 104 cm, the core consists of moderately bioturbated greenish gray (5GY 6/1) SILLCEOUS CLAYSTONE WITH CARBONATE GRANNS. The greenish color is imparted by about 5% glauconite. Sect. 5, 104 cm: bioturbated boundary with Chondrites and unspecified burrows Sect. 5, 116-120 cm: burrow mottled Sect. 6, 64-75 cm: very dark greenish gray (10 GY 3/2) glauconite blebs. Grain mount from bleb at 72 cm
										Sect. 6, 80-82 cm: cross-stratification with lamination delineated by glauconite Sect. 6, 83-84 cm: reverse microfault cuts dark green lamina, but not immediately overlying gray layer

1051A-62X

1051A-63X

	SIT	E 105	1 HOLE	A CORE		CORED 582.1-591.8 mbsf					
METERS	CORE AND SECTION	гиногосу	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
4	00 7 64 3 2 1				\$ \$\$\\ \$\$\$		444	late Paleocene	—ss	dk gy GY med gy GY dk gy GY	SILICEOUS CLAYSTONE and SILICEOUS CLAYSTONE WITH NANNOFOSSILS General Description: The entire core is dark greenish gray (10GY 5/1) except for darker or lighter burrow infillings and a slightly lighter interval (10GY 6/1) in Section 4, 16-41 cm. Bioturbation is moderate to heavy throughout the core with abundant Planolitles and Chondrites. Very thin glauconite-rich layers are observed throughout. Drilling disturbance is moderate, and the core is slightly biscuited and moderately fractured.

1051A-64X

GY

8

Py

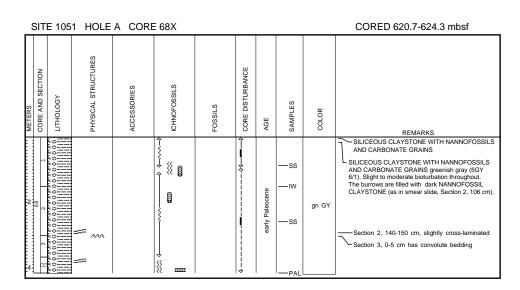
1051A-65X

SIT	E 1051	HOLE	A CORE	66X							CORED 601.5-611.1 mbsf
METERS CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	PORE TYPE	AGE	SAMPLES	COLOR	REMARKS
									—ss	dk GY	CLAYEY RADIOLARITE WITH SPICULES AND DIATOMS and SILICEOUS CLAYSTONE WITH CARBONATE AND
										gn GY	NANNOFOSSILS Alternating darker (more siliceous, dark
2				2000					—Pho	gn GY	gray, 9Y 4/1) and lighter (more calcareous, greenish gray,1GY 6/1) CLAYEY RADIOLARITE WITH SPICULES AND
9 9 9 9 9										gn GY	DIATOMS and SILICEOUS CLAYSTONE WITH CARBONATE AND NANNOFOSSILS. Most contacts are gradational.
										dk GY	Moderately bioturbated. Most burrows are filled with or replaced by black pyrite. Phycoides, Zoophycos, and burrows with
4 ~								eue	—ss	gn GY	fecal pellets occur throughout.
99				 }				arly Paleocene			
4				ľ				early		gy GY	
6 -			Py	2000						dk GY	32 cm: brassy pyrite-replaced burrow
5			''9								
										gy GY	
8		Î ==									40-115 cm: beds dipping 5 degrees
		Î		******						dk GY	
00		<u>-</u>		55555						gy GY dk GY	weakly laminated in CC
Ľ	⊢	₹	1	I ♥	1	ı	1	1	-PAL		

1051A-66X

SIT	SITE 1051 HOLE A CORE 67X CORED 611.1 - 620.7 mbsf											
METERS CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS		
4 6 8 0 C						-		—ss	gn GY	CLAYEY SPICULITE WITH CARBONATE GRAINS Alternating greenish gray (5 G 5/1) and light greenish gray (5 G 7/1) CLAYEY SPICULITE WITH CARBONATE GRAINS Faint green bands are common throughout the core.		

1051A-67X



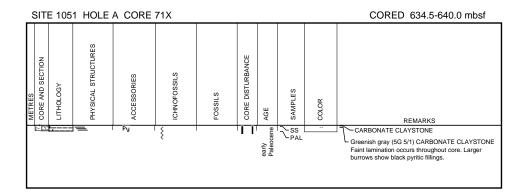
1051A-68X

1051A-69X

1051A-70X

SITE	105	1 HOLE	A COR	E 69X			CORED 624.3-630.4 mbsf				
METERS CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS	
30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				*		♣	early Paleocene	—PAL	gn GY	SILICEOUS CLAYEY CHALK Greenish gray (2.5 GY 4/1) SILICEOUS CLAYEY CHALK; the carbonate components are nanofossils and silt-sized carbonate grains that are probably derived from nannofossils. Fabric includes weak, dipping and horizontal laminations and slight burrow mottling with some pyitte-filled and pyrite lined burrows. Disseminated pyitte flecks also occur. 57 cm-large foraminifers up to 2 mm wide occur as flattened, white, ovoid specks along bedding planes.	

SITE 105	1 HOLE	A CORE	70X				CORED 630.4-634.5 mbsf				
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS		
	=	Py	 {		¦ I	early Paleocene	—PAL	gn GY	CLAYEY CHALK WITH CARBONATE Greenish gray (5G 5/1) CLAYEY CHALK WITH CARBONATE, slightly-moderately bioturbated.		



1051A-71X

1051A-72X

1051A-73X

SIT	E 105	1 HOLE	A CORE	72X						CORED 640.0-641.6 mbsf
METERS CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
2/ 2/ 10		=		△ ⋯ →			early Paleocene	—ss —pal	gn GY gn GY	CLAYSTONE WITH SPONGE SPICULES Slightly bioturbated, alternating greenish gray (5G 5/1) to light greenish gray (5G 7/1) CLAYSTONE WITH SPONGE SPICULES. Section 1, 50-97 cm weakly laminated

SITI	E 105	1 HOLE	A CORE	73X			CORED 641.6-644.6 mbsf			
METERS CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
2 2 2		=		***************************************		△■>	early Paleocene	—ss	gn GY It gn GY gn GY It gn GY gn GY It gn GY It gn GY	SILICEOUS CLAYSTONE WITH CARBONATE GRAINS Alternating greenish gray (5G 5/1) to light greenish gray (5G 7/1) intervals Slight bioturbation, with two intervals intensely bioturbated; burrows are infilled with darker material Strong hydrocarbon-like odor from base of core

SITE 10	51 HOLE	B COR	E 2H						CORED 4.8-14.3 mbsf
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
			ф————————————————————————————————————			late Eocene	— \$\$ — \$\$ — \$\$	pal YE	— NANNOFOSSIL OOZE General Description: Core is dominantly a pale yellow (2.5 % 92 to 5 % 92). NANNOFOSSIL OOZE with blebs, diffuse patches, and streaks of gray material containing an ASH component throughout. A bioturbated ASH layer occurs in Section 3. Otherwise, sediment is extremely homogeneous. Core also contains rare black (MnO) flecks throughout and olive blebs ((burrows?) as noted. 61-63 cm- faint gray patches 14-25 cm black (MnO) streaks 72-79 cm- black (MnO) streaks 64-67 cm- gray bioturbated ASH WITH SILICEOUS MICROFOSSILS with clear and brown glass shards up to medium sand —21-29 cm- several <0.5 cm olive (5Y 4/3) blebs —116 cm- olive (5Y 4/3) bleb

1051B-3H

SITE 1051 HOLE B CORE 4H CORED 23.8-33.3 r												
METERS COBE AND SECTION	ГТНОГОСУ	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS		
2	7 Z		Py Py Py Py	***************************************			middle to late Eocene		WH	OZE General description: White (57 kg/2) NANNOFOSSIL OOZE. Darker intervals consist of pale yellow (57 kg/3) NANNOFOSSIL OOZE WITH SILICEOUS MICROOFOSSILS. Large gray black flakes contain SILICEOUS NANNOFOSSIL OOZE WITH FORAMINIFERS. The entire core is intensively bioturbated. Darker intervals show visible burrows.		
8			Ру					—ss	pal YE WH pal YE			

1051B-4H

1051B-5H

1051B-6H

1051B-7H

SITE 1051	SITE 1051 HOLEB CORE 8H CORED 61.8-71.3 m												
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS					
					middle Eocene	— \$\$ — \$\$ — \$\$	pal YE	SILICEOUS NANNOFOSSIL OOZE General Description: This core consists of homogeneous SILICEOUS NANNOFOSSIL OOZE with pyrite flecks scattered throughout. A sharp color change from pale yellow (2.59 8/2) to light greenish gray (10G 8/1) occurs at Section 5, 95 cm. There is a LIMONITE-rich 0.5 cm diameter bleb at Section 3, 123 cm. There is no compositional change at the color change. SD Section 1, 80 cm SM Section 3, 123 cm: LIMONITE in a SILICEOUS NANNOFOSSIL OOZE SM Section 5, 95 cm: SILICEOUS NANNOFOSSIL OOZE, 68.75 mbsf SD Section 6, 60 cm					

1051B-9H

SITE 1051 HOLE B CORE 10H CORED 80.8-87.3 mbsf METERS CORE AND SECTION CORE DISTURBANCE ICHNOFOSSILS ACCESSORIES ПТНОСОБҮ SAMPLES COLOR AGE REMARKS NANNOFOSSIL OOZE WITH SILICEOUS MICROFOSSILS General Description: This core consists of light greenish gray (106 8/1) NANNOFOSSIL OOZE WITH SILICEOUS MICROFOSSILS. Intervals within Sections 1-3 are soupy. Section 3, 111-113 cm contains an ASH layer. Darker intervals within Section 6, between 23-60 cm contain abundant siliceous microfossils. middle Eocene It gn GY SM Section 4, 112 cm VITRIC ASH WITH NANNOFOSSILS ^~~ -ss -ss SD Section 5, 50 cm —ss -SM Section 6, 55 cm SILICEOUS OOZE WITH NANNOFOSSILS

1051B-10H

SIT	SITE 1051 HOLE B CORE 11H CORED 87.3-96.8 mbsf												
METRES CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS			
11 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1		~~~						—ss —ss	it gn GY	SILICEOUS NANNOFOSSIL OOZE The entire core consists of light greenish gray (10GY 82) SILICEOUS of NaNNOFOSSIL OOZE. The lithology is homogeneous with some black blebs (pyrite?) throughout. There is an ASH patch Section 2, 40-41 cm. The core is slightly disturbed, from Section 1, 0 to 20 cm is soupy with some yellowish patches. SM: Section 2, 40 cm VITRIC ASH			

1051B-11H

SITE 1051

00000	~~		_	
CORFD	96	8-106	:3	mns

1051	B-12H
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SITE 1051 HOLE B CORE 12H CORED 96.8-106.3 mbs										
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS		
44 44 65 66 67 68 68						—ss —ss		SILICEOUS NANNOFOSSIL OOZE homogeneous, generally structureless light greenish gray (10GY 8/1) SILICEOUS NANNOFOSSIL OZE. Black flecks (pyrite?) are scattered throughout. —Pale brown layers occur at Section 4, 115 cm and Section 5, 76 cm. These layers are slightly more siliceous than the dominant lithology.		

1051B-13H

SITE 105	SITE 1051 HOLE B CORE 14H CORED 115.8-125.3 mbsf												
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS				
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			\$		5	middle Eocene	—ss ¬ss —ss —pal	it gn GY	NANNOFOSSIL OOZE WITH SPONGE SPICULES General Description: Core consists of monotonous, structureless, light greenish gray (10GY 8/1) NANNOFOSSIL OOZE WITH SPONGE SPICULES 39-40 cm: brownish layer of CLAYEY CALCAREOUS OOZE WITH SILICEOUS MICROFOSSILS 33-45 cm: brownish layer of SILICEOUS CALCAREOUS OOZE WITH CLAY 66-68 cm: gray layer 134-138 cm: white (N9) layer of CALCAREOUS OOZE WITH SPONGE SPICULES				

1051B-14H

1051B-15H

SITE 1051 HOLE B CORE 16X CORED 134.8-143.3 mbsf METRES CORE AND SECTION CORE DISTURBANCE ICHNOFOSSILS ACCESSORIES LITHOLOGY SAMPLES COLOR AGE REMARKS SILICEOUS NANNOFOSSIL CHALK 2 pal GN vpl ye GN General Description: The entire core is dominantly alternating light and dark layers of SILICEOUS NANNOFOSSIL CHALK. The top of the dark layers pal GN are often sharp, forming incipient firmgrounds, and = -ss conspicuously burrowed (piped) with light burrows. vpl ye GN The downhole transition from dark to light is often more gradual, but not always, and then also piped with dark burrows. Dark specks occur throughout -ss pal GN with dark burrows. Dark specks occur infroughout the core, often lining burrows and forming halos around the burrows. Color varies from pale green (5G 7/2) to very pale yellowish green (10GY 8/1). The core is strongly to moderately bioturbated. The entire core is moderately drilling-biscuited, with vpl ye GN pal GN biscuits of 5-10 cm. vpl ye GN pal GN SM: lighter interval enriched inforaminifers SILICEOUS NANNOFOSSIL CHALK WITH vpl ye GN FORAMINIFERS ***** pal GN vpl ye GN pal GN vpl ye GN ****** pal GN vpl ye GN pal GN vpl ye GN

1051B-16X

METERS	CORE AND SECTION	гітногоду	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
ŧ					↑		Î			It ye GN	NANNOFOSSIL CHALK WITH SILICEOUS MICROFOSSILS AND FORAMINIFERS and
4	3 2 1								—ss	It ye GN	SILICEOUS NANNOFOSSIL CHALK ——Alternating light and dark NANNOFOSSIL CHALK WITH SILICEOUS MICROFOSSILS AND FORAMINIFERS, from light greenish gray (5G 71) in light intervals. Lighter intervals are slightly enriched in foraminifers; darker intervals are slightly enriched in siliceous microfossils. The core is moderately to slightly biorurbated, and contains some Zoophycos and Phycoides burrows. The core is drilling-biscuited throughout.
4			_					Je Je			
Ē	18	7777	_				1	middle Eocene	—ss	It ye GN	
6	4		=					middl		It ye GN	
6	H				2000				—ss	It gn GY	
8	8 7 6 5			Py	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		\$			It ye GN	
L									1 AL		

SIT	E 1051	HOLE	B CORE	19X						CORED 162.5-172.1 mbsf
METERS CORE AND SECTION	гітногоду	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
61 61		_		\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		4 000	middle Eocene	—ss	It gn GY	NANNOFOSSIL CHALK WITH SILICEOUS MICROFOSSILS Phosphate/Mn nodule at the top of Section 1 in drilling-disturbed interval (downhole contamination). Entire core consists of light greenish gray (56 8/1) NANNOFOSSIL CHALK WITH SILICEOUS MICROFOSSILS. Darker intervals occur throughout that probably represent a slight increase in biogenic silica (NANNOFOSSIL CHALK WITH SILICEOUS MICROFOSSILS). At the top of each dark interval, there is a burrowed firmground. Burrows are filled with light sediment from overlying lithology. Moderate bioturbation occurs throughout. Core 19X is moderately biscuited. Dark specks (pyrite?) observed throughout.

1051B-19X

	SITI	≣ 105′	1 HOLE	B COR	E 20X						CORED 172.1-181.7 mbsf
METERS	CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
2	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		==					middle Eocene	—ss —ss	It gn GY	REMARKS NANNOFOSSIL CHALK WITH SILICEOUS MICROFOSSILS General Description: The core contains alternating light and dark intervals of NANNOFOSSIL CHALK WITH SILICEOUS MICROFOSSILS. The dark intervals contain more clay and fewer foraminifers. The top of the darker layer is often developed as a burrowed and bored incipient firmground. Core contains several Zoophycos spreiten and Chondritles, and is moderately burrowed. Light intervals are light greenish gray, darker intervals are less light greenish gray.

1051B-20X

	SITE 1051 HOLE B CORE 22X CORED 191.2-200.8 mbsf												
METERS	CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS		
-6	22 22				***		**	middle Eocene	—SS	vit ye GN	— NANNOFOSSIL CHALK WITH SILICEOUS MICROFOSSILS — Alternating dark and light intervals (5G 8/1) of very light green and light green NANNOFOSSIL CHALK WITH SILICEOUS MICROFOSSILS. The top of the dark interval contains burrows with light sediment piped into underlying dark sediment. The transition from light to dark is often sharp, as for a nascent firmground. The core is slightly to moderately bioturbated.		

SIT	E 105	1 HOLE	B CORE	≣ 24X						CORED 210.5-220.1 mbsf
METERS CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
2						*	middle Eocene	—ss	It gn GY	NANNOFOSSIL CHALK WITH SILICEOUS MICROFOSSILS light greenish gray (56 8/1) NANNOFOSSIL OOZE WITH SILICEOUS MICROFOSSILS burrows, biscuiting, and pyrite flecks throughout core Zoophycos burrows, Section 2, 92 & 94 cm —SD Section 3, 100 cm Zoophycos burrows, Section 4, 71-84 cm

1051B-24X

SITE	≣ 1051	I HOLE	B CORE	26X						CORED 229.7-239.4 mbsf	1051B-26X
METERS CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS	
1				A		Ŷ				— CLAYEY NANNOFOSSIL CHALK WITH SPICULES The core is light greenish gray (5G 8/1) except for darker burrow infillings. Bioturbation is moderate and purish flooks are observed throughouter.	

METERS CORE AND SECTION	ПТНОГОСУ	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
2.2.2.66		~~~		######################################			middle Eocene	— \$\$ — \$\$ — \$\$ — \$\$ — \$A	It gn GY	— CLAYEY NANNOFOSSIL CHALK WITH SPICULES The core is light greenish gray (5G 8/1) except for darker burrow infillings. Bioturbation is moderate and pyrite flecks are observed throughout. The entire core is biscuited and the biscuits are moderately fractured. — Section 7, 7-8 cm: Dark gray (7.5G 3/1) ASH layer between biscuits with pyrite and volcanic glass.

S	TE 105	1 HOLE	B COR	₹ 27X						CORED 239.4-249.0 mbsf
METERS	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
£ 44	4 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		Markan	♣		4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	middle Eocene	—ss	lt gn GY	NANNOFOSSIL CHALK WITH SILICEOUS MICROFOSSILS Light greenish gray (5G 8/1-7/1) NANNOFOSSIL CHALK WITH SILICEOUS MICROFOSSILS burrowing, biscuiting, and pyrite flecks throughout core Section 2, 52-58 cm: laminae SD Section 3, 53 cm

1051B-27X

CORED 249 0-258 6 mbsf

1051B-28X

SITE 105	1 HOLE B CORE	28X						CORED 249.0-258.6 mbsf
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		 	middle Eocene	—\$\$\$ —\$\$	It gn GY	SILICEOUS NANNOFOSSIL CHALK WITH CLAY The core is light greenish gray (5G 8/1) except for darker burrow infillings. Moderate bioturbation and pyrite flecks throughout. The entire core is biscuited and biscuits are slightly fractured in Sections 1, 2, 3, and 4 and moderately fractured in Sections 5, 6, 7, and the CC.

;	SITE	E 1051	HOLE	B CORE	29X						CORED 258.6-268.2 mbsf
METERS	CORE AND SECTION	ГШНОГОСУ	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
	8 7 6 5 4 3 2 1							niddle Eocene	—SS —SS —PAL	It gn GY	NANNOFOSSIL CHALK WITH SPICULES Light greenish gray (56 7/1) NANNOFOSSIL CHALK WITH SPICULES. Pyrite throughout as burrow filling. —Biscuited throughout with biscuits ~10 cm long. —Section 6, 144 cm: Pale brown discontinuous layer of SILICEOUS NANNOFOSSIL CHALK.

1051B-29X

SITE 105	1 HOLE B COR	E 30X			CORED 268.2-277.8 mbsf	1051B-30X

SITE 105	1 HOLE B	CORE 30X						CORED 268.2-277.8 mbsf
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
2 2 2 2 3 4 4 4 6 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6				# # # # # # # # # # # # # # # # # # #	middle Eocene	—SS		SILICEOUS NANNOFOSSIL CHALK —SD Section 1, 50 cm —Light greenish gray (10G 8/1-7/1) mottled SILICEOUS NANNOFOSSIL CHALK biscuits, burrows, and pyrite flecks throughout core.

SI	TE	105	1 HOLE	B CORE	31X						CORED 277.8-287.4 mbsf
METERS	CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
1. F	87 6 5 4 3 2 1				**************************************		4	middle Eocene	—SS	lt gn GY	SILICEOUS NANNOFOSSIL CHALK Light greenish gray (106 8/1) SILICEOUS NANNOFOSSIL CHALK, moderately bioturbated with pyrite flecks throughout. The entire core is biscuited and the biscuits are moderately to heavily fractured.

1051B-31X

SITI	≣ 105′	1 HOLE	B CORE	32X						CORED 287.4-293.6 mbsf
METERS CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
22 2 2 1 1 2 2 2 2 2 2 3 2 3 2 3 3 2 3 3 3 3				2000			middle Eocene	—PAL	lt gn GY	SILICEOUS NANNOFOSSIL CHALK Monotonous, structureless, light greenish gray (100° 84' 10 1003 '71') SILICEOUS NANNOFOSSIL CHALK with common black pyrite-rich flecks and streaks throughout. Some larger burrows are filled with brownish sediment.

1051B-32X

1051B-33X

SIT	E 1051	I HOLE	B CORE	34X						CORED 303.2-308.9 mbsf	1051B-34X
METERS CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS	
2 18 2			///			4	middle Eocene	~ss —ss —pal	lt gn GY	NANNOFOSSIL CHALK WITH SILICEOUS MICROFOSSIL CHALK WITH SILICEOUS MICROFOSSIL SILICEOUS HOmogeneous light greenish gray (10GY 8/1) throughout. Entire core is very disturbed (split core liner). Very few biscuits are present. —Section 2, -139-140 cm: pale gray VITRIC ASH WITH NANNOFOSSILS	

SITE 10	1 HOLE	B CORE	35X						CORED 308.9-312.9 mbsf
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
1 1 1 1 1 1 1 1 1 1			*		4	middle Eocene	——PAL	lt gn GY	SILICEOUS NANNOFOSSIL CHALK Monotonous, structureless, light greenish gray (10GV 81) SILICEOUS NANNOFOSSIL CHALK. Drilling biscuits generally shorter than 5 cm. Slightly longer in Section 4.

1051B-35X

SIT	SITE 1051 HOLE B CORE 36X CORED 312.9-322.5 mbsf													
METERS CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS				
98 1 3 6 6		~~~		,			middle Eoene	—ss	It gn GY	SILICEOUS NANNOFOSSIL CHALK Bioturbated, light greenish gray (10GY 8/1) SILICEOUS NANNOFOSSIL CHALK with pyrite flecks throughout core. Severe bisculting; biscuits are fractured. SD Section 1, 80 cm ASH layer, Section 3, 126-128 cm SM Section 4, 116 cm: ASH layer, 116-117 cm				

1051B-36X

1051B-37X

SITE 1051 HOLE B CORE 38X

CORED 332.1-341.7 mbsf

REMARKS

REMARK

1051B-38X

SITI	E 105	1 HOLE	B CORE	39X						CORED 341.7-351.3 mbsf
METERS CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
8171 6 5 4 3 2 1 1		~~~		\$		444	middle Eocene	—ss —ss	It gn GY	— Homogeneous throughout, light greenish gray (10GY 8/1). severely drilling biscuited (fractured). bioturbation moderate, sediments are faintly burrow mottled. VITRIC ASH layer at Section 4, 101-103 cm., with biotite; well preserved diatoms are mixed in the ASH. A few Zoophycos spreiten occur.

1051B-39X

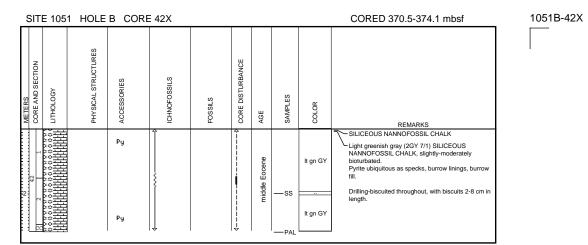
	SIT	E 105	1 HOLE	B CORE	E 40X		CORED 351.3-360.9 mbsf				
METERS	CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
2	3 2 1		~~~	×	. Di	Δ.	0	middle Eocene Ad	— ss — ss — ss	lt gn GY	REMARKS — NANNOFOSSIL CHALK WITH SILICEOUS MICROFOSSILS — SM: NANNOFOSSIL CHALK WITH CLAY — Light greenish gray (5GY 8/1) homogeneous NANNOFOSSIL CHALK WITH SILICEOUS MICROFOSSILS. Sediments are slightly burrow mottled. core is entirely drilling biscuited. ASH occurs in Section 3, 31-cm and Section 6, 105-107cm. — ASH
8	9								—ss		—— ASH

- Grayish layer in slurry: CARBONATE CHALK WITH NANNOFOSSILS AND SILICEOUS MIROFOSSILS

1051B-40X

SI	ΓΕ 105′	1 HOLE	B CORE	€ 41X	CORED 360.9-370.5 mbsf					
METERS CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
44				****		#	middle Eocene	—SS	lt gn GY	—— SILICEOUS NANNOFOSSIL CHALK WITH CLAY —— Burrow mottled, light greenish gray (10GY 8/2) SILICEOUS NANNOFOSSIL CHALK WITH CLAY pyrite specks throughout, severely drilling biscuited (tractured).

1051B-41X



SITE 1051 HOLE B CORE 43X CORED 376.1-380.1 m									
METERS CORE AND SECTION	06,	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	AGE	SAMPLES	COLOR	REMARKS
43		A.		y.c		middle Eocene	—SS ∼XRD —TS —Pho —PAL	gn GN vlt gn GN :: vlt gn GY pal ye GN vlt gn GY	PORCELLANITE WITH CLAY and SILICIFIED FORAMINIFER Grayish green (5G 5/2) PORCELLANITE WITH CLAY with sharp contact to underlying very light grayish green (5GY 8/1) SILICIFIED FORAMINIFER PORCELLANITE. PORCELLANITE with light olive gray (5Y 5/2) CHERT. SILICIFIED FORAMINIFER PORCELLANITE has wavy laminae; probably intensively winnowed. Most of the CaCO ₃ is replaced by Opal. Detrital quartz is present in the finer-grained intervals.

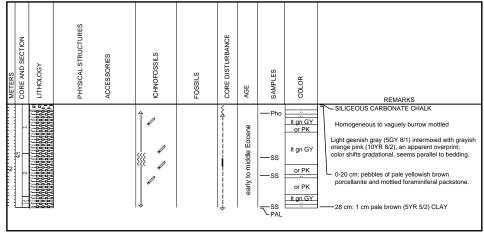
1051B-43X

SITE 1051 HOLE B CORE 45X

CORED 382.7-389.7 mbsf

1051B-44X

1051B-45X



SIT	ΓΕ 105	1 HOLE	B CORE	≣ 46X						CORED 389.7-399.3 mbsf
METERS CORE AND SECTION	ПТНОГОСУ	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
97 7 1 3 1 3 10		^~~		***		<u>4-44+</u> №	early Eocene	— \$\$ — \$\$ — \$\$ — \$\$ — \$\$	gn CR vit gn GN gn CR	INDURATED SILICEOUS OZE WITH CARBONATE IS SILICEOUS OZE WITH CARBONATE CHAIR WITH CLAY Creamy INDURATED SILICEOUS OOZE WITH CARBONATE (2.5Y 8/1) from 0 to 50 cm that grades into light greenisp gray (1097 8/1) SILICEOUS CHAIR WITH CLAY and SILICEOUS CARBONATE CHAIR WITH CLAY downcore. From 0 to 85 cm the core is moderately fractured, and from 85 cm downcore is biscuited and biscuits are moderate to heavily fractured. —Section 4, 75 cm: Gray ASH patch; drilling disturbed.

1051B-46X

1051B-47X

SITE	1051	HOLE	B CORI	≣ 48X						CORED 409.0-418.6 mbsf
METERS CORE AND SECTION	ПТНОГОСУ	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
22 2 2 3 8 4 4 8 9 1 2 2 2 2 2 2 3 1			Ĵ Mn	\$ \$ \$ \$ \$ \$		4	early Eccene	—SS	lt gn GY	SILICEOUS CARBONATE CHALK WITH CLAY Light greenish gray (10GY 7/1) SILICEOUS CARBONATE CHALK WITH CLAY. Pyrite flecks scattered throughout, and concentrated in Sections 4, 60 cm to Section 5, 65 cm. Minor biscuiting through most of the core, with moderate biscuiting and fractured biscuits in the same interval as the increased pyrite concentration. SD Section 2, 120 cm

1051B-48X

SITE 105	1 HOLE B CORE	49X	CORED 418.6-428.3 mbsf					
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
		\$4-555 \$4.555 \$4			early Eocene	— SS		SILICEOUS NANNOFOSSIL CHALK WITH CLAY Light greenish gray (10GY 7/2) SILICEOUS NANNOFOSSIL CHALK WITH CLAY slightly to moderately bioturbated. The entire core is biscuited throughout and biscuits are slightly fractured.

1051B-49X

s	ITI	≣ 1051	HOLE	B CORE	50X						CORED 428.3-437.9 mbsf
METERS	CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
44	2 7 6 5 4 3 2 1 1			[↑] n			٩	валу Еосепе	—ss	It gn GY	SILICEOUS CHALK WITH CARBONATE GRAINS AND NANNOFOSSII S Light greenish gray (10GY 7/1), hormogeneous, moderately bioturbated SILICEOUS CHALK WITH CARBONATE GRAINS AND NANNOFOSSILS. Biscuting is severe in Sections 1 through 4 (small biscuits with large amounts of slurry between). Biscuiting is not as severe in Sections 5-CC.

1051B-50X

1051B-51X

SITE 105	1 HOLE B C	ORE 52X						CORED 447.6-457.3 mbsf
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
					early Eocene	—ss	it gn GY	CLAYEV CARBONATE CHALK WITH SILICEOUS MICROFOSSILS Light greenish gray (10GY 8/1-7/1) CLAYEY CARBONATE CHALK WITH SILICEOUS MICROFOSSILS with greenish gray (10GY 6/1) intervals. Burrows and pyrite flecks throughout core. There are some laminated intervals with minimal bioturbation. Biscuting is minor to moderate. SD Section 1, 130 cm

1051B-52X

5	SITI	E 1051	I HOLE	B CORE	≣ 54X						CORED 466.9-476.5 mbsf
METERS	CORE AND SECTION	гтногосу	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
							Î			It gn GY	SILICEOUS NANNOFOSSIL CHALK WITH CLAY
	н								—ss	gn GY	Burrow mottled throughout
										It gn GY	Pyrite, disseminated and concentrated in burrows throughout
2										gn GY	Meter-scale, gradational alternations of light greenish gray (5GY 7/1) and greenish gray (5GY
	2									It gn GY	6/1) SILICEOUS NANNOFOSSIL CHALK WITH CLAY
					0				—ss	gn GY	Darker intervals slightly more silica- and clay-rich
									—ss	It gn GY	84 cm: burrow filled with brown SILICEOUS CARBONATE CHALK containing trace amounts
4	m	霊						Θ		gn GY	of ASH
								early Eocene		It gn GY	
	24				 }}}		i	arly E		gn GY	
	44				925			ö		It gn GY	
					0						
6										gn GY	
	ß									It gn GY	
					0					gn GY	
8										It gn GY	
	9				0				—ss	gn GY	70 cm- Phycodes
										It gn GY	Burrow with pryrite along edge SILICEOUS CARBONATE CHALK WITH OPAQUES
	7				Ţ						——Harder, coarser Section 7, 35 cm to base of
ŧ ŧ	cc	MMMMI					î		PAL		core, same colors

1051B-54X

1051B-55X

5	SITE	E 1051	HOLE	B CORE	56X					CORED 486.1-495.7 mbsf
METERS	CORE AND SECTION	гиногову	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	AGE	SAMPLES	COLOR	REMARKS
	1				\(\sigma_{\pi}\)				gn GY	CLAYEY SILICEOUS NANNOFOSSIL CHALK Core is burrow mottled throughout. Dark Zoophycos, Chondrites and Teichichnus burrows are common. Color
									It gn GY gn GY	changes from light greenish gray (5GY 7/1) to greenish gray (56Y 6/1) CLAYEY SILICEOUS NANNOFOSSIL
2					w			—ss	mlt gn GY gn GY	CHALK are gradational.
	2								mlt gn GY	
	-				20000				gn GY	
24	4 56 3	UUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUU					early Eocene		mlt gn GY	
6	_	規規							gn GY	
									mlt gn GY	
									gn GY mlt gn GY	
	-								gn GY	
8	9		_						gn GY It gn GY	
	7								gn GY	

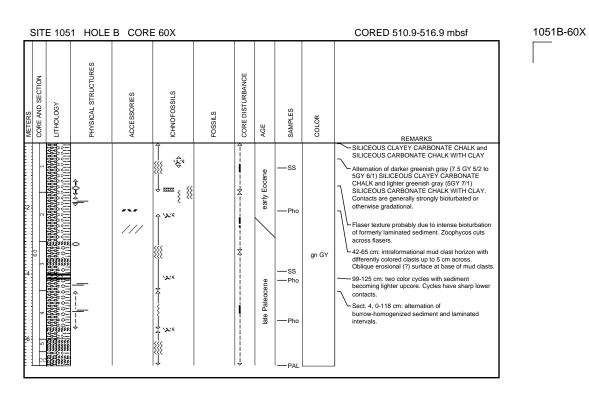
1051B-56X

SITE 1051

SI	SITE 1051 HOLE B CORE 58X CORED 502.3-506.3 mbs												
METERS CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS			
22 89 44		 ≒	Py	2002			early Eocene	—ss	gn GY mlt gn GY gn GY mlt gn GY gn GY gn GY	SILICEOUS CLAYSTONE WITH CARBONATE GRAINS AND NANNOFOSSILS Writh gradational color alternations from greenish gray (5GY 6/1) to moderate light greenish gray (5GY 7/1). Entire core consists of SILICEOUS CLAYSTONE WITH CARBONATE GRAINS AND NANNOFOSSILS and is slightly burrow mottled throughout.			

1051B-58X

SITE 1051



SITE 1051