SITE	≣ 1050	HOLE	A HOLE	1X						CORED 0-10.1 mbsf
METERS CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
72. 72. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			Mn Mn		۵	\$ <del> </del>	middle Eocene	—ss —iw —∑SSS ss ss —PAL	pal YE	— 97-101 cm: unknown void  — 97-101 cm: unknown void  — pieces of siliceous sponge up to 1 cm in length.  — General Description: The core is mostly constituted of monotonous and structureless pale yellow (5Y 8/2) SILICEOUS CARBONATE OOZE WITH CLAY. Mn-oxide spots less than 1 cm across rarely occur throughout the core.  — dusky red (7.5R 3/4) ALTERED VOLCANIC GLASS occurs in Interval 11-12 cm as pieces with a nodular outline.  — yellow (5Y 7/6) VITRIC ASH WITH BIOTITE occurs in Interval 12-14cm. Sharp base towards underlying light gray ash layer. Top less sharp.  — light gray (5Y 7/1) VITRIC ASH WITH CARBONATE GRAINS AND 5PONGE SPICULES occurs in Interval 14-16 cm. Base is sharp with one burrow propagating 1 cm into the underlying ooze.

1050A-1X

SITE 105	0 HOLE A CORE	2H					С	ORED 10.10-19.60 mbsf
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
-2 -					middle Econe	—ss —iw	pal YE	SILICEOUS NANNOFOSSIL OOZE WITH FORAMS pale yellow (5Y 8/2) Homogeneous lithology throughout core  —Black spots throughout core, in Section 2 limonitic speck (27-28 cm)

1050A-2H

SIT	E 105	) HOLE	A CORE	3H						CORED 19.6-29.1 mbsf
METERS CORE AND SECTION	ПТНОГОСУ	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
4			Ру			•	middle Eocene	—SS	pal YE	NANNOFOSSIL OOZE WITH CLAY Section 1, 0-32 cm, moderate drilling disturbance pale yellow (SY 8/2)  — Section 1, 129-130 cm, single Mn nodule  — scattered black flecks throughout core

1050A-3H

SIT	SITE 1050 HOLE A CORE 5H CORED 38.6-48.1 mbsf												
METERS CORE AND SECTION	гтногову	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS			
7 6 5 4 3 2 1				<b>^</b>			middle Eocene	— IW — SS	It gy GN	— NANNOFOSSIL OOZE WITH CLAY AND SPICULES GrayIsh green (10G &/1) Pyrite scattered throughout core. Slightly bioturbated in Sections 5-7.			

1050A-5H

	SIT	E 1050	HOLE /	A COR	E 6H						CORED 48.1-57.6 mbsf
METERS	CORE AND SECTION	гітносову	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
	1			Py							
2	2			Py			İ		—ss		Minor components: sponge spicules, foraminifers and diatoms Pyrite micronodules scattered through core.
4	3			Py	***		 	ocene	—ıw		
4	4 6			Py				middle Eocene	—ss	It gn GY	
E	2			Py							
8	7 6			Py Py			X				
				Py			\$  \$  \$		—PAL		

1050A-6H

_	SIT	E 1050	HOLE	A CORE	7H						CORED 57.6-67.1 mbsf
METERS	CORE AND SECTION	гітногосу	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
	1			Py	Î		Î		—PAL		SILICEOUS NANNOFOSSIL OOZE  Pale Yellowish Green (1007 7/2), with abundant scattered Pyrite micronodules. Homogeneous. Siliceous components include radiolarians, diatoms,
									—ss		and sponge spicules.
2	2			Py							Olive gray 0.5 cm thick ash layer (5Y 4/1)
	ŀ										
4	3			Py							
	-				\ \{\bar{\}}			ene			
	4			Py				middle Eocene	—ss	pal ye GN	
6				Py							
	2			ry							
8	9			Py							
				Py							
ŀ	Lbc	enii i		Py	<b>†</b>		Î		—PAL		

1050A-7H

1050A-8H

SIT	E 1050	CORED 76.6-86.1 mbsf								
METERS CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
22 66 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		=				<b>1</b>	middle Eocene	—SS SS SS —IW	It gn GY	SILICEOUS NANNOFOSSIL OOZE  (diatoms, radiolarians, sponge spicules) Light greenish gray (5G 8/1) burrow mottled with Zoophycos, Planolites and Chondrites  Pyrite (micronodules) throughout

1050A-9H

SI	TE 1050	HOLE	A CORE	10H						CORED 86.1-95.6 mbsf
METERS	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
2 66	T		Mn Mn Mn Mn  Mn	\$\$	a a a		middle Eocene	—ss —ss —pal		SILICEOUS NANNOFOSSIL CHALK WITH CARBONATE GRAINS burrow mottled throughout with Zoophycos, Planolites, and Chondrites Pyrite micronodules in upper part rare glauconite  SM: Section 3, 18 cm QUARTZ NANNOFOSSIL CHALK with SILICEOUS MICROFOSSILS  SM: Section 6, 87 cm SPICULE NANNOFOSSIL CHALK SM: Section 7, 50 cm

1050A-10H

S	ITE	1050	HOLE	A CORE	11X						CORED 95.6-105.2 mbsf
METERS	CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
4. [-	55555555555555555555555555555555555555			<b>~~~</b>	<b>♣</b>	D		middle Eocene		gy GN	SILICEOUS NANNOFOSSIL CHALK WITH CLAY grayish green (5G 8/1); biscuited throughout. Biscuits are 5-10 cm long with drilling slurry between.  ——thin ash lamina

1050A-11X

## SITE 1050 HOLE A CORE 13X

## CORED 114.80-124.40 mbsf

1050A-12X

1050A-13X

SITE 105	ORED 114.80-124.40 mbst							
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
		***************************************		00 ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑	middle Eocene	—SS —IW —PAL	It gy GN	CARBONATE NANNOFOSSIL CHALK WITH SPICULES AND FORAMINIFERS and CARBONATE NANNOFOSSIL CHALK WITH SPONGE SPICULES light grayish green (10GV 8/1)  Biscuits throughout core, mostly 5-10 cm log; many biscuits fractured.

SIT	E 105	0 HOLE A	CORE	14X		CORED 124.4-134.0 mbsf				
METERS CORE AND SECTION	ПТНОСОСУ	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
44 354 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4				*			middle Eocene	—ss	pal gy GN	NANNOFOSSIL CHALK ple grayish green (10GY 8/1) bioturbation throughout core, biscuited by drilling, 5-10 om long; many biscuits are entirely fractured, with biscuitsAll reside in a drilling-induced glurry.  ——NANNOFOSSIL CHALK WITH ASH, Section 4, 137-140 cm

1050A-14X

1050A-15X

LA L	
MATERS  CORE AND SECTION  LITHOLOGY  LITHOLOGY  ACCESSORIES  ACCESSORIES  CORE DISTURBANCE  SAMPLES  SAMPLES  COLOR  COLOR	
At Section 5 (144 cm) and Section very thin Mn oxide layer  SS  It gy GN  At Section 5 (144 cm) and Section very thin Mn oxide layer  SS  SS  PAL  MANNOFOSSIL CHALK WITH SPIR Light graysh green NANNOFOSSIL CHALK WITH CLAY and NANNOFOSSIL CHALK WITH CLAY and NANNOFOSSIL CHALK WITH CLAY and NANNOFOSSIL CHALK WITH SPIR Light graysh green NANNOFOSSIL Light graysh graysh graysh graysh gray SPIR Light graysh graysh gray SPIR Light graysh graysh gray SPIR Light graysh graysh gray SPIR Light graysh gray SPIR Light graysh gray SPIR Light graysh gray SPIR Light graysh graysh gray SPIR Light graysh graysh graysh gray SPIR Light graysh graysh graysh gray SPIR Light graysh graysh gray SPIR Light graysh graysh gray SPIR Light graysh grays	CHALK WITH INNOFOSSIL SSIL CHALK AINS, becoming sil preservation. ominant cuits than in on 1 highly  I (30 cm)  I oxide  In top O cm) eenish layer that grades

LIMESTONE interval with chert nodules (17-27 cm CC)

1050A-16X

SIT	SITE 1050 HOLE A CORE 18X CORED 162.8-172.4 mbsf												
METERS CORE AND SECTION	LПНОLОGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS			
181 2 1 8 10 10 10 10 10 10 10 10 10 10 10 10 10			Py	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		4	early Eocene	— SS — SS	pal gy GN	— NANNOFOSSIL CHALK  Pale grayish green (10GY 8/1), bioturbated throughout core; alternated darker and lighter. 68 cm  Dark grayish green ASH layer, slightly bioturbated			

1050A-18X

1050A-19X

SIIL	1000		A COIL	20/1						CONED 102.0-103.0 IIIDSI
METERS CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
22 2							early Eocene	—PAL	it gy GN	Major Lithology: SILICEOUS NANNOFOSSIL CHALK entire core; light greenish gray (8GY 8/1 to 8G 8/1); burrow mottled throughout; scattered pyrite flecks throughout; drilling biscutts of -5-10 cm in drilling slurry throughout core.  slight color variation (greener) 13-16 cm

1050A-21X

SITE 105	0 HOLE A CORE	22X						CORED 199.2-208.8 mbsf
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
4 2 2 2 2 2 4 4 2 2 2 4 4 4 4 4 4 4 4 4				¢	early Eocene	—IW  SS SS —PAL	pal gy GN	Major lithologies: SILICEOUS CHALK WITH NANNOFOSSIL Section 1, 0 cm - Section 5, 30 cm; pale grayish green (10GV 20) to pale green (5G 7/2) hythmic alternations (middle of darker intervals indicated below); burrow mottling most evident in darker intervals but burrowed throughout; identifiable traces are Chondrites and Planolites. NANNOFOSSIL RADIOLARITE/SPICULITE- Section 5, 30 cm to base of core; pale green (106 6/2); common pyrite from Section 6 to base of core. drilling biscuits (3-10 cm thick) throughout entire core darker interval darker interval darker interval darker interval  darker interval  darker interval  darker interval  darker interval  core

1050A-22X

1050A-23X

1050A-24X

## SITE 1050 HOLE A CORE 26X

## CORED 237.7-241.7 mbsf

METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
22 % 2 2 3 2 2 3 2 2 3 2 3 2 3 2 3 2 3 2		Μ'n	***************************************		↑	late Paleocene	—ss	It gn GY	NANNOFOSSIL CLAY WITH SPICULES and NANNOFOSSIL CLAY WITH FORAMINIFERS AND SPICULES  Light grayish green (5G 8/2) NANNOFOSSIL CLAY WITH SPICULES (0-3.90 m) grades into moderatellight grayish green (5G 6/2) NANNOFOSSIL CLAY WITH FORAMINIFERS AND SPICULES downcore.  Mn nodule fragment on top and Mn spots 0-5 cm (downhole contamination)  Drilling biscuits thoroughout core  High bioturbation throughout core  72-79 cm some laminations observed  90 cm: irregular contact of color and change to a NANNOFOSSIL CLAY WITH FORAMINIFERS AND SPICULES

SITE 105	50 HOLE	A CORE	27X					CORE	D 241.7-247.3 mbsf
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
S			***************************************		<b>⊹</b>	late Paleocene	~ 55 ~ 58	it gn GY	CHAYEY NANNOFOSSIL CHALK WITH SPICULES and NANNOFOSSIL CHALK WITH CLAY AND SPICULES light grayish green (5G 8/1) Some Mn blebs on top (downhole contamination) Drilling biscuits through core High bioturbation throughout core

1050A-27X

SITE 105	0 HOLE	A CORE	29X					C	ORED 256.9-266.5 mbsf
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
	d.	<	)	L.	<b>♦</b>	late Paleocene	——————————————————————————————————————	pal gy GN	NANNOFOSSIL CHALK WITH CLAY AND SPICULES  Alternating layers of pale grayish green (10GY 8/1) and grayish green (10GY 7/1) bioturbated NANNOFOSSIL CHALK WITH CLAY AND SPICULES  Highly biscuited from Section 1, 113 cm downcore

1050A-29X

SITE 105	0 HOLE A CORE	30X					С	ORED 266.5-276.1 mbsf
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
				<b>☆</b>	late Paleocene	—SS	mlt gy GN	CLAYEV NANNOFOSSIL CHALK to NANNOFOSSIL CHALK to NANNOFOSSIL CHALK WITH CLAY AND SPICULES light to moderate grayish gray (10GY 8/1-10GY 7/1-10GY 6/1); darker color is richer in clay High to moderate bioturbation throughout core  — Biscuited downcore from Section 2 at 100 cm, upcore slightly fractured

1050A-30X

SITE 1050 HOLE A CORE 31X CORED 276.1-285.7 mb											
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS		
7		Py	\$\begin{align*} \display************************************		<b>♦ ♦ ♦ ♦ • • • • •</b>	late Paleocene	—SS	gy GN  med gy GN  med gy GN	CLAYEY NANNOFOSSIL CHALK WITH SPICULES and NANNOFOSSIL CLAY WITH SPICULES Grayish green (10GY 7/1) bioturbated CLAYEY NANNOFOSSIL CHALK WSPICULES interbedded with medium green (10GY 6/1) bioturbated NANNOFOSSIL CLAY W SPICULES Biscuited throughout Sections 4 through CC.		

1050A-31X

SITE 105	0 HOLE	A CORE	32X					C	ORED 285.7-288.9 mbsf
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
1 1 1 2 2 2 2 2 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4					∆	late Paleocene	— \$\$	lt gy GN	CLAYEY NANNOFOSSIL CHALK WITH SPICULES light grayish green (10 GY 8/1) Highly biscuited throughout core Moderate bioturbation throughout core

1050A-32X

SITE 1050

\_\_

SIT	E 105		1050A-33X								
		JRES			ш						

SITE	50 HOLE	A CON	337					C	ORED 288.9-295.3 mbst
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
		Py			Ç	late Paleocene	—ss —ss		SILICEOUS NANNOFOSSIL CHALK WITH CARBONATE GRAINS to SILICEOUS NANNOFOSSIL CHALK drilling biscuited (regular intervals, about 10-12 cm) slightly to moderately bioturbated (Chondrites and Planolites) alternating light and darker intervals (3GY 8/1 to 3GY 6/1)

1050A-34X

SITE 1050 HOLE A CORE 35X CORED 304.9-314.5 ml										
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS	
		Py Py Py Py				late Paleocene	—\$S ~\s\\ \rightarrow \text{IM}	med gn GY	DIATOMACEOUS WITH NANNOFOSSIL AND SPICULES SPONGE SPICULES 3GY 5/1, Greenish Gray  Drilling biscuited throughout, every 10-15 cm. Bioturbation moderate Secondary laminations (glauconitic) Dark pyrite specks and burrow replacements  Sections 5, CC slightly darker	

1050A-35X

1050A-36X

SITE 1050 HOLE B CORE 1X CORED 0.0-7.0 mbsf								
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
4		ф		\$ 1	middle Eocene	—ss —pal	pal YE	—— SILICEOUS NANNOFOSSIL OOZE  (5Y 8/2) pale yellow, homogeneous in entire core  ——hard olive colored flakes (unident.)  ——VITRIC ASH layer

1050B-2H

SITI	E 1050	HOLE B CORE	≣ 3H						CORED 16.5-26.0 mbsf
METERS CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
22 2 8 9 1 8						middle Eocene	—PAL	pal YE	SILICEOUS NANNOFOSSIL OOZE  (5Y 8/1 to 5Y8/3) pale yellow  Mn specks scattered throughout when core is scraped, burrow structures and bioturbation visible, as are subtle light-dark alternations on 3-4 cm scale

1050B-3H

	SITE 1050 HOLE B CORE 4H CORED 26.0-35.5 mbsf											
METERS	CORE AND SECTION	гітногосу	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS	
22.	7 6 5 4 4 3 2 1							middle Eocene	—SS —SS —PAL	pal YE	SILICEOUS NANNOFOSSIL OOZE pale yellow (5Y 8/2)  Section 1, 0-17 cm: slurry w/ Mn nodules black flecks throughout SD  SM, Section 4, 71 cm: oxidized pyrite bleb in a SILICEOUS NANNOFOSSIL OOZE	

1050B-4H

1050B-5H SITE 1050 HOLE B CORE 5H CORED 35 5-45 0

SITE 105	) HOLE B CORE	: 5H						CORED 35.5-45.0
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
22 2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7				!	middle Eocene		pal YE	SILICEOUS NANNOFOSSIL OOZE pale yellow (58 8/2) at 2.29 m.  O-20 cm: drilling disturbance; Mn oxide fragments (downhole contamination)  75-85 and 100-108 cm: intervals rich in oxidized pyrite blebs  79 cm: sharp color change from pale yellow to light gray (2.5Y 7/2); at 81 cm another light gray layer 2 mm thick; downcore, light graylsh green (50 8/2); no change in sediment composition  From 79 cm downcore, abundant Pyrite blebs

SITE 1050

1050B-6H

	SIT	E 1050	) HOLE	B CORE	7H						CORED 54.5-64.0 mbsf
METEDS	CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
22	5 4 3 2 1		16	AC	01	<u>G</u>	8	middle Eocene AG	— ss — ss	vpl GN	REMARKS  SILICEOUS NANNOFOSSIL OOZE very pale green (106 77-8/1) pyrite flecks scattered throughout core Section 1, 0-15 cm: biscuits  — SM Section 4, 38 cm: VITRIC ASH W/NANNOFOSSILS & opaques (layer 37-38 cm)
-					Î				—PAL		

1050B-7H

SITE 1050

1050B-8H

SI	ΓE 105	0 HOLE	B CORE	9H					CORED 73.5-83.0 mbsf	
METERS CORE AND SECTION	ПТНОГОСУ	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
.66				<b>↑</b>			middle Eocene	—SS	lt gy GN	NANNOFOSSIL CHALK WITH SPICULES AND CARBONATE GRAINS light graysh green (50 8/1) 0-10 cm: drilling disturbances and Mn nodule fragments Pyrite throughcore Moderate-high bioturbation throughout core (burrow mottled)

1050B-9H

1050B-10X

CORED 00 6 100 2 mbof

SITE 105	0 HOLE	B CORE	11X						CORED 90.6-100.2 mbsf
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
		AVAV	****	⊕ ×	•	middle Eocene	—SS —SS —PAL	it GN	—NANNOFOSSIL CHALK WITH SILICEOUS MICROFOSSILS  (9GY 7/1) light green Section 1, 0-18 cm: downhole caving of Mn nodules Drilling disturbance moderate to severe; drilling biscuits are fractuely 2-4 cm thick, between drilling slurry 2-5 cm thick  SM: Section 6, 27 cm gray slurry between biscuits NANNOFOSSIL OOZE WITH SILICEOUS MICROFOSSILS AND ASH

1050B-11X

SITE 105	0 HOLE	B CORE	12X						CORED 100.2-109.8 mbsf
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
	=			\$ \$		middle Eocene	—ss	it gn GY	NANNOFOSSIL CHALK WITH SILICEOUS MICROFOSSILS  light greenish gray (10GY 8/1) homogeneous, with rare black flecks biscuited throughout (3-4 cm biscuits, every 6-7 cm.)  SM: Section 6, 147 cm  NANNOFOSSIL VITRIC ASH

1050B-12X

SIT	E 1050	HOLE	B CORE	13X					С	ORED 109.8-119.4 mbsf
METERS CORE AND SECTION	ГПНОГОСУ	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2					⊕ ×		middle Eocene	—\$\$ —PAL	pal ye GN	NANNOFOSSIL CHALK WITH SILICEOUS MICROFOSSILS homogeneous pale yellow green (10GY 8/1) drilling biscuited throughout (regular, every 7 cm) strongly bioturbated, several Zoophycos structures visible.

1050B-13X

SITE	1050	HOLE	B CORE	14X					С	ORED 119.4-129.0 mbsf
METERS CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
		=		***************************************	<b>♦*</b>		middle Eocene	—ss $ abla_{ss}^{ss} $ —pal	pal GN	NANNOFOSSIL CHALK WITH SILICEOUS MICROFOSSILS  (5G 8/1 to 10GY 8/1) pale green to pale yellowish green homogeneous except for a few faint laminae drilling biscuits throughout

1050B-14X

SI	ΓE 1050	HOLE	B CORE	15X					С	ORED 129.0-138.6 mbsf
METERS CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
44 51							midde Eocene	—ss √ss <sub>PAL</sub>	pal gn GY	— SILICEOUS NANNOFOSSIL CHALK  pale greenish gray (SGY 8/1 to 10 GY 8/3)  drilling bulscuited throughout  homogeneous, with faint burrow mottles  rare dark flecks (MnO?) throughout

1050B-15X

1050B-16X

SIT	E 1050	HOLE	B CORE	17X					С	ORED 148.2-154.7 mbsf
METERS CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
4 5		ריטיניט	•	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			early middle Eocene Eocene	—\$\$	mlt gn GY	

1050B-17X

SITE 1	050 HOL	B CORE	18X					C	ORED 154.7-157.8 mbsf
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
			\$\frac{1}{2} \cdots \c		\$	early Eocene	—SS ∼SS	pal ye GN	SILICEOUS NANNOFOSSIL CHALK  Pale green (10GY 8/1) bioturbated SSILICEOUS NANNOFOSSIL CHALK with two LIMESTONE interbeds (0-5 cm and 20-30 cm).  Biscuited throughout core.  121 cm, bioturbated altered ASH Pale brown, bioturbated ASH layer

SITE 1050 HOLE B CORE 19X

CORED 157.8-167.4 mbsf

19 CORE AND SECTION	НЕНЕННЕ ПТНОГОВУ	PHYSICAL STRUCTURES	ACGESSORIES	CHNOFOSSILS	FOSSILS	CORE DISTURBANCE	le Eocene AGE	SAMPLES	It gy GN	REMARKS  SILICEOUS NANNOFOSSIL CHALK Light grayish green (5Y 8/1)  0-10 cm: highly fractured chert fragments
1 10						1	middle Eoc	—PAL	It gy GN	0-10 cm: highly fractured chert fragments  Biscuited throughout core  In biscuits, moderate bioturbation throughout core

1050B-19X

1050B-18X

SITE 1050 HOLE B CORE 20X CORED 167.4-177.0 mbsf PHYSICAL STRUCTURES METERS CORE AND SECTION CORE DISTURBANCE SAMPLES FOSSILS AGE REMARKS -SILICEOUS NANNOFOSSIL CHALK pale grayish green (10GY 8/1) Entire core is homogenous, moderately bioturbated and highly biscuited. pal gy GN

1050B-20X

S	ITE	1050	HOLE E	B CORE	21X					С	ORED 177.0-186.6 mbsf
METERS	CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
4	8 7 6 5 4 3 2 1				*		<u> </u>	early Eocene	—- SS	pal gy GN	SILICEOUS NANNOFOSSIL CHALK  Core consists of homogeneous, pale grayish green (10GY 7/1), moderately bioturbated, SILICEOUS NANNOFOSSIL CHALK. Entire core is highly biscuited.

SITE 105	0 HOLE	B CORE	22X					C	CORED 186.6-196.2 mbsf
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
2: 2: - 7			<b>←</b>		A	early Eocene	—ss —ss —ss	It gn GY gn GY	SILICEOUS CARBONATE CHALK WITH NANNOFOSSILS AND CLAY General description: The entire core consists of monotonous and largely structureless light greenish gray (SGY 771) to greenish gray (SGY 8/1) SILICEOUS CHALK WITH NANNOFOSSILS AND CLAY. Millimeter-sized dark spots (Mn-oxides?) occur throughout the core. Bedding is not visible which is presumably due to pervasive, strong bioturbation. The core is moderately disturbed with biscuit length in the range of 10 to 30 cm. faint dark layer bearing rare-common biotite; possible ash  —sharp color change mottled color transition

1050B-22X

SITE 105	0 HOLE B COR	E 23X						CORED 196.2-205.8 mbsf
METERS CORE AND SECTION LITHOLOGY	PHYSICAL STRUCTURES ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
				Î	early Eocene	—\$\$ —PAL	pal gy GN	SILICEOUS NANNOFOSSIL CHALK WITH CLAY Core consists of pale grayish green (10GY 7/1) SILICEOUS NANNOFOSSIL CHALK WITH CLAY with occasional darker (10GY 6/1) or lighter (10GY 8/1) layers. Darker intervals are more enriched in clay. The entire core is moderately bioturbated, but some laminations are preserved. Flecks of Pyrite are scattered throughout the core.  Sections 3 through 5 are biscuited

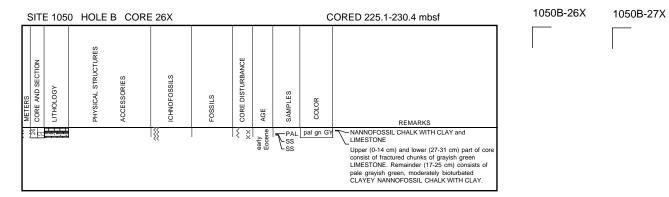
1050B-23X

SI	ITI	≣ 1050	HOLE	B CORE	24X					С	ORED 205.8-215.5 mbsf
METERS	CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
2 4 1/2	3 7 6 5 4 3 2 1				<b>♦</b>			early Eocene	— \$\$ — \$\$	pal gy GN	SILICEOUS CHALK WITH NANNOFOSSILS AND CLAY  Pale grayish green (10GY 7/2)  Moderate bioturbation and abundant pyrite throughout core  Biscuiting throughout core  At 24 and 63 cm thin pyrite-rich layers

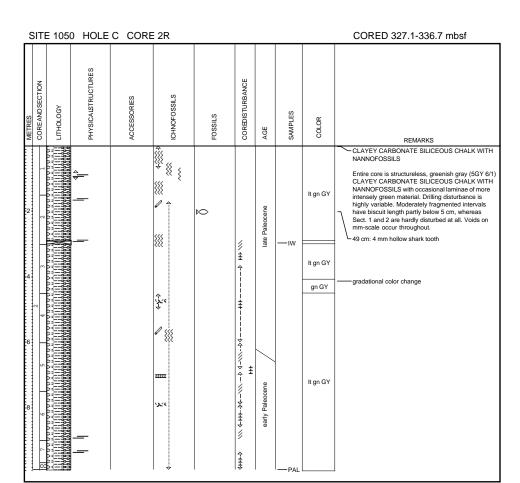
1050B-24X

SITE	1050	HOLE	B CORE	25X					C	ORED 215.5-225.1 mbsf
METERS CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
2 2 4 3 2 2 1 1 2 1 2 1 2 1 3 1 2 1 3 1 2 1 3 1 3				***		↑	early Eocene	—SS	pal gy GN	SILICEOUS NANNOFOSSIL CHALK WITH CLAY pale grayish green (10GY 7/1) with intervals of grayish green (10GY 6/1) moderate bioturbation throughout pyrite flecks & some pyrite-filled burrows biscuits throughout  SD Section 1, 72 cm

1050B-25X



SITE 10	50 HOLI	EB COR	E 27X					(	CORED 230.4-240.0 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.			<b>↑ *** **</b>			early Eocene	—ss	pal gy GN	NANNOFOSSIL CHALK WITH CLAY Pale grayish green (10GY 7/1)  0-15 cm: Black blebs  Moderate bioturbation throughout core, burrows more abundant at 31 cm  Biscuiting and highly fractured thorughout core



SITE 105	0 HOLE	C CORE	3R				COR	ED 336.	7-346.3 mbsf
METERS COREANDSECTION LITHOLOGY	PHYSICALSTRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	COREDISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
2: 2: 2: 2: 2: 2: 2: 2: 2: 2: 2: 2: 2: 2		÷			\$***** \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	early Paleocene	—SS SS	lt gn GY dk gn GY	CLAYEV CARBONATE SILLCEOUS CHALK WITH NANNOFOSSILS and CHERT  Entire core is structureless light greenish gray (5GY 6/1) to greenish gray (2.5GY 5/1) CLAYEY CARBONATE SILLCEOUS CHALK WITH NANNOFOSSILS with occasional, slightly more vivid green laminae. In Sections 1 and 2, these laminae appear to occur in a cyclic manner. The laminae consist of CARBONATE SILLCEOUS CLAYSTONE WITH FORAMINIFERS AND NANNOFOSSILS. Composition is similar to dominant lithology, but the laminae have more carbonate and are coarser-grained. CHERT and sillcified intervals of the dominant lithology occur in Sections 3 through 5. Drilling disturbance is restricted to these silicified/cherty intervals. Several mm-scale open voids occur throughout the core.

1050C-3R

1050C-4R

SITE 105	0 HOLE	C CORE	5R						CORED 355.9-365.5 mbsf
METERS COREANDSECTION LITHOLOGY	PHYSICALSTRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	COREDISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
4 5 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		///	₩ ₩ ₩	۵	A	early Paleocene	—ss — w	gn GY	— Homogeneous, greenish gray CLAYSTONE WITH NANNOFOSSILS, faintly burrow-mottled. Chordrites burrows at regular (-50cm) intervals, faint light-dark alternations in Sections 5 and 6.

1050C-5R

1050C-6R

S	ITE	1050	HOLE (	C CORE	7R					С	ORED 375.2-384.9 mbsf
METERS	COREANDSECTION	ГТНОГОБҮ	PHYSICALSTRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	COREDISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
П					Î					vlt gn GY	NANNOFOSSIL CHALK WITH CLAY, CLAYEY NANNOFOSSIL CHALK, and LIMESTONE WITH NANNOFOSSILS
	1									gn GY	Burrow mottles and obvious dark/light color alternations throughout.  Darker intervals are more clay-rich and are composed of CLAYEY NANNOFOSSIL CHALK in
										gn GY	the darkest intervals; lighter intervals are composed of LIMESTONE WITH NANNOFOSSILS in the lightest intervals; most of core composed of NANNOFOSSIL CHALK WITH CLAY.
2					1					vlt br GY	Colors range from greenish gray (5GY 6/1) through light greenish gray (5GY 7/1) to almost white (10Y 9/1); in Sections 1 and 2 there is a pinkish color,
2	2								—ss	WH	especially (but not exclusively) in darker intervals making some intervals light brownish gray (2.5Y 6/1) to very light pinkish gray (2.5Y 7/1).
ŀ	1							arly Paleocene		vlt gn GY gn GY	Relatively sharp color transition.
	Н							arly Pa		vlt gn GY	Relatively sharp color transition.
					1					gn GY	Relatively sharp color transition.
	3									It gn GY	
4										gn GY	
	-									It gn GY	
	4				↓ ↓				SS PAL	gn GY	

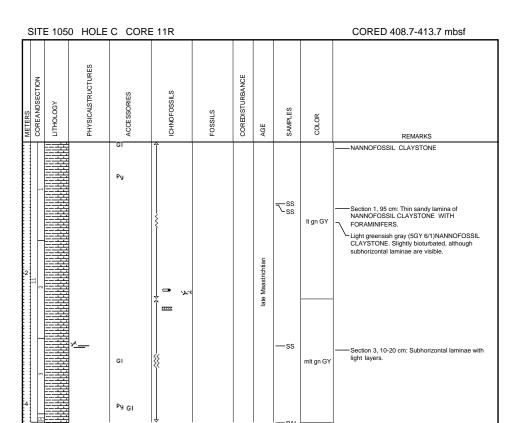
1050C-7R

1050C-8R

SIT	E 105	) HOLE	C CORE	9R					C	ORED 394.5-404.1 mbsf
METERS COREANDSECTION	ГТНОГОСУ	PHYSICALSTRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	COREDISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
П								—ss	gy GN	NANNOFOSSIL CLAYSTONE and CLAYSTONE WITH CARBONATE GRAINS AND
22 2 4 4 4 6 6 6 6 6		×		**************************************		± ±	early Paleocene	—ss	lt gn GY	NANNOFOSSILS Grayish green (1097 5/1) NANNOFOSSIL CLAYSTONE that grades into light greenish gray (10Y 7/1) CLAYSTONE WITH CARBONATE GRAINS AND NANNOFOSSIL Bioturbation is moderate to heavy and pyrite lines burrows throughout. Drilling disturbance is slight with some fragmented intervals.  Section 2, 17-20 cm: Slightly darker (10GY 7/1) interval severely bioturbated with lighter burrow infillings.  —SM: Section 4, 105 cm: Green thin layer (0.2 cm) very rich in clay. CLAYSTONE

1050C-9R

1050C-10R



1050C-11R

1050C-12R

SIT	E 105	0 HOLE	C CORE	12R						CORED 413.7-423.3 mbsf
METERS COREANDSECTION	LITHOLOGY	PHYSICALSTRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	COREDISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
12						\$	Maastrichtian	—PAL	It gn GY	NANNOFOSSIL CLAYSTONE  Medium-light greenish gray (5GY 6/1)  NANNOFOSSIL CLAYSTONE, highly drilling  disturbed

SITE 1050 HOLE C CORE 13R									CORED 423.3-433.0 mbsf	
METERS COREANDSECTION	LITHOLOGY	PHYSICALSTRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	COREDISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
13 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		*					late Maastrichtian	—ss —w —ss	It gn GY  It gn GY  It gn GY  mlt gn GY  mlt gn GY	NANNOFOSSIL CLAYSTONE  Light greenish gray (5GY 7/1) NANNOFOSSIL  CLAYSTONE moderately bioturbated with pyrite lining some burrows. Lithology is homogeneous throughout with some alternations of lighter-darker color in Section 3. The core is slightly drilling fractured. In Section 1, 96 and 110 cm, some pyrite nodules (0.2-0.3 cm) are observed. Microfaults in Section 3, 93 cm and Section 4, 30-35 cm.

1050C-13R

1050C-14R NO RECOVERY

1050C-15R

1050C-16R

SITE 10	50 HOLE	C CORE	17R						CORED 461.8-471.4 mbsf	1050C-17R
METERS COREANDSECTION LITHOLOGY	PHYSICALSTRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	COREDISTURBANCE	AGE	SAMPLES	COLOR	REMARKS	
4					!	Maastrichtian	— SS — IW — SS — SS	gn GY gn GY It gn GY	NANNOFOSSIL CLAYSTONE  Section 1, 0-35 cm: severe biscuiting with biscuits that are light greenish gray (5GY 7/1) and reddish brown (10YR 5/3) with some volds around the biscuits and a minor amount of slurry.  Section 1-Section 2, 42 cm: Alternating light greenish gray to greenish gray (5GY 8/1-7/1), heavily bioturbated NANNOFOSSIL CLAYSTONE.  SM, Section 2, 41 cm: burrow fill composed of CALCAREOUS FORAMINIFER CHALK  Section 2, 42 cm to the base of the core: Alternating light greenish gray to greenish gray (5GY 8/1-6/1) NANNOFOSSIL CLAYSTONE with chaotic bedding, soft sediment deformation, and microfaults.  Photographic close-up, Section 6, 105-130 cm.  Photographic close-up, Section 7, 0-38 cm.	

1050C-18R

SITE 1050

s	SITE 1050 HOLE C CORE 19R CORED 481.0-490.6 mbsf										
METERS	CORE AND SECTION	LITHOLOGY	PHYSICAL STRUCTURES	ACCESSORIES	ICHNOFOSSILS	FOSSILS	CORE DISTURBANCE	AGE	SAMPLES	COLOR	REMARKS
					Î		\$ †		—ss	gn WH It ye GN	NANNOFOSSIL CHALK AND NANNOFOSSIL CHALK WITH FORAMINIFERS
$[\cdot]$					*					dsk gy YE	
	1				J ***					It ye GN	Strongly slumped varicolored (yellowish green to yellowish orange) NANNOFOSSIL CHALK WITH FORAMINIFERS. Burrow-mottled except where
1				******	Î				—Pho	It ye GN mlt ye OR	slumping obliterated the mottling.
					  %						└ Horse-tail dissolution laminae, incipient stylolites. (108-127 cm)
			Î		ľ			ian		It ye GN	
-2-				555555 555555	Ĵ			ate Campanian	—ss	It ye GN	——Multiple soft-sediment deformation fractures and up
	2		ė					late		It ye GN	to 30 degrees inclined bedding.
[ ]				200000						It ye GN	
			Ţ		<b>{</b> {					It ye GN	——Slumpfold
-3-	3		Î	*****							0-20 cm: 45 degrees inclined bedding and semi-lithified sediment deformation fractures.
	cc			<u></u>			Î ×				
Ľ			*	. *	1	ı		'	—PAL		

1050C-19R

SITE1050 HOLE C	CORE 20R		CORED 490.6-500.2 mbsf					
METRES CORE AND SECTION LITHOLOGY PHYSICAL STRUCTURES	ACCESSORIES	FOSSILS	DISTURBANCE	SAMPLES	COLOR	REMARKS		
		Â		—ss —ss —pho	pal BR It br GY	NANNOFOSSIL CHALK WITH FORAMINIFERS, NANNOFOSSIL CHALK WITH FORAMINIFERS AND CLAY RIP-UP CLASTS, NANNOFOSSIL CHALK WITH CARBONATE, PHOSPHATE/IRON HARDGROUNDS  Section 1, 0-79 cm: Light brownish gray (2Y 6/2) to pale brown (10YR 6/3) NANNOFOSSIL CHALK WITH FORAMINIFERS, with color changes gradual (due to heavy bioturbation) and occurring over 10-15 cm		
				— Pho — SS — SS — Pho	BK RD dk BR pal BR It br GY	intervals. At 45-63 cm, burrow fill is reddish brown. Section 1, 79-80 cm: PHOSPHATE/IRON HARDGROUND, insitu. Section 1, 80-87 cm: Red (10R 4/6) NANNOFOSSILCHALKWITHFORAMINIFERS. Section 1, 87-100 cm: 1x1 to 1x4 cm-size clasts of black PHOSPHATE/IRON HARDGROUND floating in		
22				—Pho		redNANNOFOSSILCHALKWITHFORAMINIFERS matrix, possibly transported, more likely bioturbated more or less in situ. Some pieces of hardground have 4 mm wide borings filled with matrix-type sediment.  Section 1, 100 cm: mineralized HARDGROUND, with sub-mm black coating.  Section 1, 104-150 cm to Section 2, 38 cm:		
						NANNOFOSSIL CHALK WITH-FORAMINIFERSAND CLAY RIP-JU CLASTS, similar to sediment from top of Section 1 (0-79 cm), but with common fip-up clasts that are black, green, and various shades of brown .  Section 2, 38-104 cm: NANNOFOSSIL CHALK WITH FORAMINIFERS AND CLAY RIP-JUP CLASTS, with		
				—Pho		black, sand-to-granule size clasts apparently worked downward by bioturbation from surfaces near 38 cm, 82 cm, and 93 cm.  Section 2, 137-150 cm: Laminated, salt-and-pepper, NANNOFOSSIL SILTSTONE WITH IRON OXIDE, with up to 10% altered volcanic glass and with black clay rip-ups clasts, sand size. Top 2 cm appears cross-laminated.  Section 3, 0-76 cm: NANNOFOSSIL CHALK WITH FORAMINIFERS AND CLAY RIP-UP CLASTS,		
	ĵ			Tess Ss Pho Ss Ss		alternating among darker to lighter shades of brown, heavily bioturbated, with color alternations gradual.  Section 3, 88-76 and 99-122 cm: High concentration of day clasts, up to 2 cm across, heavily bioturbated.  Section 3, 119-122 cm: White NANNOFOSSIL CHALK, as thin bed and piped into underlying hardground.		
	92°C			—ss		Section 3, 122 cm: HARDGROUND Section 3, 122 cm to Section 4, 102 cm: Heavily bioturbated NANNOFOSSIL CHALK WITH CARBONATE, alternately reddish brown to faint green, mottled, with clay rip-up clasts.  Section 4, 102 cm: hardground Section 4, 116 cm: 8 mm thick lamina of		
	↓	<b>→</b>		—ss		CLAYSTONE, slick feel, as if a bentonite.  Section 4, 102-150 cm: Purplish red to yellowish green NANNOFOSSIL CHALKWITH CARBONATE.  Beds from 106-115, 115-133, and 133-150 cm are massive and a dark purplish red, intensely bioturbated, which change upward to lighter purplish red, and culminte in yellowish green, sub-mm laminae.		
				—ss —pal		Section 5: Massive, heavily bioturbated, mottled, purplish red to pale green NANNOFOSSIL CHALK WITHCARBONATE.  Section 4, 37 cm: 3 mm thick black, clay-rich lamina, slick.		

1050C-20R

1050C-21R

1050C-22R

1050C-24R

SITE 1050

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SITE 1050 HOLE	C CORE 25R					CORED 538.7-548.4 mbsf	1050C-25R
METERS COREANDSECTION LITHOLOGY PHYSICALSTRUCTURES	ACCESSORIES ICHNOFOSSILS	FOSSILS COREDISTURBANCE	AGE	SAMPLES	COLOR	REMARKS	
	\$\tag{\text{\tint{\text{\tin}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tex{\tex	4+++>	early Cenomanian	— SS		NANNOFOSSIL CARBONATE CHALK and CARBONATE CHALK WITH NANNOFOSSILS AND CLAY Irregular, faulted and slump-deformed alternation of light greenish gray (10GY 7/1) NANNOFOSSIL CARBONATE CHALK and dark greenish gray 10GY 5/1) CARBONATE CHALK WITH NANNOFOSSILS AND CLAY, Microfaults, many of which are subhorizontal or subparallel to bedding, are common throughout. They have mm-thick clay veneers on their planes. Larger, silchensided fault planes occur in the intervals where drilling disturbance is higher, but they are less abundant than the clay-sealed microfaults.	

CC, 8-12 cm: homogeneous, with 2 burrows.

1050C-26R

483

1050C-27R

1050C-28R

SITE 1050 HOLE C CORE 29R CORED 577.2-586.8 mbsf CORE DISTURBANCE SAMPLES COLOR AGE REMARKS | | | | | | | | | CLAYSTONE WITH CARBONATE and QUARTZ AND FELDSPAR SILTY CALYSTONE WITH NANNOFOSSILS —Pho **\_\_**@ FELDSPAR SILIY CALYSTONE WITH NANNOFOSSILS Moderate light to light olive gris (5/41 fo 5/5/1) CLAYSTONE WITH CARBONATE and olive gray (5/3/1) laminated QLARTZ AND FELDSPAR SILTY CLAYSTONE WITH NANNOFOSSILS (Section 1, 20-55 cm), Latter sediment is rich in shell debris including opalsecent armonite fragments. Clay-seam microfaults throughout. ol GY **{{{** Py **\_** ¬SS Pho —SM: Sect. 2, 60 cm: CARBONATE CHALK WITH CALCISPHERES —ss Section 2, 77-79 cm: clay pebble horizon -Section 3: alternation of light olive gray and medium light olive Pg gray × mlt ol GY G = × == -Section 6, 88-103 cm: laminae, swell and pinch, lenticular bedding with clasts in between.

1050C-29R

1050C-30R

SITE 1050

1050C-31R