

Site 1054 Hole A Core 1H

Cored 0.0-8.0 mbsf

1054A-1H




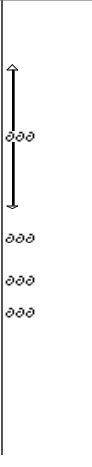

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0.0									<p>SILTY CLAY WITH DIATOMS AND NANNOFOSSILS and CLAYEY FORAMINIFERAL SILT WITH BIOSILICA</p> <p>General Description: This core contains medium olive gray (10Y 5/2) SILTY CLAY WITH DIATOMS AND NANNOFOSSILS, and a layer of lighter olive gray (10Y 6/4) CLAYEY FORAMINIFERAL SILT WITH BIOSILICA. The upper part of the core is soupy due to drilling disturbance. The CLAYEY FORAMINIFERAL SILT is present in Section 5, and has a sharp lower boundary and a gradational upper boundary. The sediment is wet and heavily bioturbated with open burrows down to the top of Section 5.</p>
1									
2									
3									
4									
5									
6									
7									
8									



Site 1054 Hole A Core 3H

Cored 17.5-27.0 mbsf

1054A-3H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1 2 3 4 5 6 7 8							IW IW SS IW IW IW IW PAL	med ol GY gy GN	<p>CLAYEY FORAMINIFERAL SILT WITH DIATOMS, SILTY NANNOFOSSIL CLAY, SILTY NANNOFOSSIL CLAY WITH BIOSILICA, CLAYEY SILT, and FORAMINIFER SAND WITH NANNOFOSSILS AND BIOSILICA.</p> <p>General Description: This core contains medium olive gray and grayish green (10Y 5/2 and 5GY 5/2) CLAYEY FORAMINIFERAL SILT WITH DIATOMS, SILTY NANNOFOSSIL CLAY, and SILTY NANNOFOSSIL CLAY WITH BIOSILICA, with only subtle visible differences between the lithologies. One turbidite(?) layer that has sharp upper and lower boundaries and is composed of FORAMINIFER SAND WITH NANNOFOSSILS AND BIOSILICA, occurs in Section 4, 92-119 cm. Lenses of FORAMINIFER SAND occur in Sections 1, 4, and 5. Black stains (pyrite?) occurs throughout the core. Pteropod fragments and shell debris occur throughout the core.</p>

Site 1054 Hole A Core 4H

Cored 27.0-36.5 mbsf

1054A-4H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1									<p>SILTY NANNOFOSSIL CLAY WITH DIATOMS, and FORAMINIFER SAND</p> <p>General Description: This core contains medium olive gray and grayish green (10Y 5/2 and 5GY 5/2) SILTY NANNOFOSSIL CLAY WITH DIATOMS, and FORAMINIFER SAND. Two thin layers of FORAMINIFER SAND occur in Sections 5, 105-107 cm and Section 7, 49-51 cm. Pteropod fragments and shell debris occur in Sections 6 & 7.</p>
2							IW		
3							IW	ol GY	
4							IW		
5							IW		
6							IW		
7							IW	ol GY	
8							IW		
9							IW	ol GY	
10							PAL	..	

Site 1054 Hole A Core 5H

Cored 36.5-46.0 mbsf

1054A-5H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1								mdk of GN	<p>SILTY NANNOFOSSIL CLAY WITH BIOSILICA AND FORAMINIFERS and CLAY WITH FORAMINIFERS AND SILT</p> <p>General Description: This core contains medium olive gray (10Y 5/2) SILTY NANNOFOSSIL CLAY WITH BIOSILICA AND FORAMINIFERS, and numerous layers of medium gray (5GY 5/1) and medium-light greenish gray (5GY 7/1) CLAY WITH FORAMINIFERS AND SILT. Pteropod fragments and shell debris occur throughout the core. The core also contains several inclined coarse beds.</p>
2							med ol GN		
3							mdk of GN		
4									
5							med ol GN		
6									
7									
8									
9									

Site 1054 Hole A Core 6H

Cored 46.0-55.5 mbsf

1054A-6H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1.0								ol GY	<p>SILTY CLAY WITH DIATOMS AND FORAMINIFERS, and FORAMINIFER SAND</p> <p>General Description: This core contains medium olive gray and grayish green (10Y 5/2 and 5GY 5/2) SILTY CLAY WITH DIATOMS AND FORAMINIFERS, and FORAMINIFER SAND. A layer of FORAMINIFER SAND occur in Section 5, with a scoured base at 73 cm. The FORAMINIFER SAND fines upward contributing a coarse texture to the bottom of section 4. There are also worm burrows in Section 3 which are filled with coarse shelly material presumably from the FORAMINIFER SAND layer in Section 5.</p>
2.0							ol GY		
3.0								GY	
4.0								ol GY	
5.0								ol GY	
6.0									
7.0									
8.0									
9.0									
10.0									

Site 1054 Hole A Core 7H

Cored 55.5-59.4 mbsf

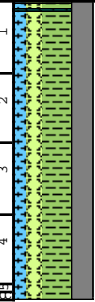
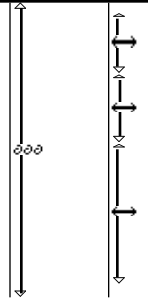
1054A-7H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
							SMP SS	mdk ol GN mdk ol GN	<p>SILTY CLAY WITH NANNOFOSSILS AND FORAMINIFERS</p> <p>General Description: This core contains medium dark olive green (5Y 4-5/1) SILTY CLAY WITH NANNOFOSSILS AND FORAMINIFERS. The core is slightly bioturbated throughout, and worm burrows filled with siliceous debris are present in Section 2.</p> <p>Silica rich worm burrow Lining 1-2 mm across</p>

Site 1054 Hole A Core 8H

Cored 59.4-65.8 mbsf

1054A-8H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1 2 3 4 5 6								gn GY	<p>SILTY CLAY MIXED SEDIMENT WITH DIATOMS, NANNOFOSSILS, AND FORAMINIFERS</p> <p>General Description: This core contains greenish gray (5GY 5/1) SILTY CLAY MIXED SEDIMENT WITH DIATOMS, NANNOFOSSILS, AND FORAMINIFERS. Section 8H-1, 15-20 cm contains the first occurrence of a dolomite concretion.</p>

Site 1054 Hole A Core 9H

Cored 65.8-75.3 mbsf

1054A-9H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
							<p>IW</p> <p>PAL</p>	<p>ol GY</p> <p>gn GY</p> <p>ol GY</p> <p>..</p> <p>ol GY</p>	<p>DOLOMITE CONCRETIONS, SILT, CLAYEY SILT WITH BIOSILICA, FORAMINIFERS AND NANNOFOSSILS, SILTY CLAY, SILTY CLAY WITH BIOSILICA, FORAMINIFERS AND NANNOFOSSILS and FORAMINIFERAL SAND.</p> <p>General Description: This core contains DOLOMITE CONCRETIONS in the first 25 cm of Section 1. These DOLOMITE CONCRETIONS occur within a silt layer which extends to about 40 cm. The olive gray (5Y 4/1) and greenish gray (5GY 5/1) sediments are dominated by SILT until the base of a FORAMINIFER SAND layer at 65 cm in Section 2. The remainder of the core is composed of SILTY CLAY with variable proportions of biogenic materials.</p>

Site 1054 Hole A Core 11X

Cored 84.8-93.5 mbsf

1054A-11X

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0	1							mdk ol GN	<p>FORAMINIFERAL SAND, DOLOMITE CONCRETIONS, and SILTY CLAY WITH BIOSILICA, FORAMINIFERS, AND NANNOFOSSILS</p> <p>General Description: This core contains a dark greenish gray (10Y 4/1) SILTY CLAY WITH BIOSILICA, FORAMINIFERS AND NANNOFOSSILS with one thin bed of FORAMINIFERAL SAND. The first 10 cm of the core contains DOLOMITE CONCRETIONS. Thin dark bands occur in Section 3 and silt laminations occur in Section 6 at 54 cm.</p>
1	2							dk GN	
2	3							mdk GN	
3	4							med ol GY	
4	5							mdk ol GY	
5	6							mdk ol GY	
6	7							mdk ol GY	
								IW	
								PAL	

Site 1054 Hole A Core 12H

Cored 93.5-103.0 mbsf

1054A-12H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
							<p>dk gn GY</p> <p>mlt gn GY</p> <p>lt gn GY</p> <p>IW</p> <p>SS</p> <p>PAL</p>	<p>dk gn GY</p>	<p>SILTY CLAY WITH FORAMINIFERS AND BIOSILICA, and FORAMINIFERAL SAND</p> <p>General Description: This core contains SILTY CLAY WITH FORAMINIFERS AND BIOSILICA and FORAMINIFERAL SAND. Section 3H contains the base of a bed of FORAMINIFERAL SAND which fines upward throughout the core. The continuity of the sediment has also been moderately disrupted by gas expansion.</p>

Site 1054 Hole A Core 13X

Cored 103.0-112.7 mbsf

1054A-13X

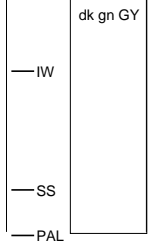
METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	COLOR	REMARKS
							<p>med gy OL mdk ol GY mt ol GY mdk ol GY GY mdk ol GY mt ol GY GY</p>	<p>FORAMINIFERAL SAND, SILTY CLAY WITH BIOSILICA AND FORAMINIFERS, and DOLOMITE CONCRETIONS.</p> <p>General Description: This core contains olive gray (5Y 4-5/1) SILTY CLAY WITH BIOSILICA AND FORAMINIFERS which is repeatedly interrupted by layers of FORAMINIFERAL SAND and DOLOMITE CONCRETIONS.</p>

Site 1054 Hole A Core 14X

Cored 112.7-122.3 mbsf

1054A-14X

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0 2 4 6 8	1 2 3 4 5 6 7							dk gn GY	<p>SILTY CLAY WITH BIOSILICA AND NANNOFOSSILS, SILICEOUS CLAYEY SILT WITH FORAMINIFERS, CLAYEY SILT, SILTY CLAY WITH NANNOFOSSILS AND FORAMINIFERS, and FORAMINIFERAL SAND.</p> <p>General Description: This core contains dark greenish gray (5GY 4/1) SILTY CLAY with variable biogenic components. Drilling disturbance and void space in the cores is associated with the coarser beds of the core. These layers are more well sorted causing greater permeability. Greater permeability may have caused increased water uptake during drilling, which may have caused reduced sediment competence generating the numerous voids that are associated with silty layers. However, the majority of the sediment in this core is not affected by drilling disturbance.</p> <p>14X-6, 41-71 cm interbedding of blueish gray, oxidized layers</p>



Site 1054 Hole A Core 15X

Cored 122.3-131.9 mbsf

1054A-15X

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1.5 1.0 0.5 0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0								SS IW PAL gn GY ol GN	<p>SILTY CLAY WITH BIOSILICA, FORAMINIFERS, AND NANNOFOSSILS</p> <p>General Description: The major lithology is a greenish gray (10GY 5/1), dark greenish gray (10GY 4/1), and olive (5Y 5/3) SILTY CLAY WITH BIOSILICA, FORAMINIFERS, AND NANNOFOSSILS. It is massive and structureless, and has some mottling and zones with shell fragments. Drill biscuits occur throughout the core.</p> <p>void</p>

Site 1054 Hole A Core 16X

Cored 131.9-141.5 mbsf

1054A-16X

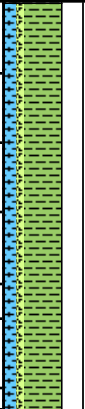
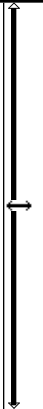
METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
2 4 6 8 10 12								ol GY IW PAL	<p>SILTY CLAY WITH NANNOFOSSILS, FORAMINIFERS, AND BIOSILICA</p> <p>General Description: This core contains olive gray (5Y 4/1) SILTY CLAY WITH NANNOFOSSILS, FORAMINIFERS, AND BIOSILICA. The core contains some shell fragments including pteropod debris. The core also has numerous gas voids and drilling biscuits are common.</p>

1054A-17X NO RECOVERY

Site 1054 Hole A Core 18X

Cored 151.2-160.9 mbsf

1054A-18X

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1 2 3 4 5 6 8								gn GY	<p>SILTY CLAY WITH NANNOFOSSILS, FORAMINIFERS, AND BIOSILICA</p> <p>General Description: This core contains greenish gray (5GY 5/1) SILTY CLAY WITH NANNOFOSSILS, FORAMINIFERS, AND BIOSILICA. The core also contains some shell fragments including pteropod debris and numerous gas voids.</p>

Site 1054 Hole A Core 19X

Cored 160.9-170.5 mbsf

1054A-19X

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
								<p>dk ol GY</p>	<p>SILTY CLAY WITH NANNOFOSSILS, FORAMINIFERS, AND BIOSILICA</p> <p>General Description: This core contains olive gray (5Y 4/1) SILTY CLAY WITH NANNOFOSSILS, FORAMINIFERS, AND BIOSILICA. The core also contains some shell fragments including pteropod debris. The core has fewer gas voids than deeper or shallower cores, but drilling biscuits are still common.</p>

Site 1054 Hole A Core 20X

Cored 170.5-180.1 mbsf

1054A-20X

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0 2 4 6								gy GN ol GN	<p>SILTY CLAY WITH NANNOFOSSILS, FORAMINIFERS, AND BIOSILICA</p> <p>General Description: This core contains olive gray (5Y 4/1) and grayish green (5G 5/1) SILTY CLAY WITH NANNOFOSSILS, FORAMINIFERS, AND BIOSILICA. The core also contains some shell fragments including pteropod debris, and has numerous gas voids and drilling biscuits are common.</p>

Site 1054 Hole A Core 21X

Cored 180.1-189.8 mbsf

1054A-21X

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1 2 3 4 5 6 7 8								dk gn GY gn GY lt gn GY gn GY	<p>SILTY CLAY WITH NANNOFOSSILS, FORAMINIFERS, AND BIOSILICA</p> <p>General Description: This core contains olive gray (5Y 4/1), greenish gray (5GY 5/1), and light greenish gray (5GY 6/1) SILTY CLAY WITH NANNOFOSSILS, FORAMINIFERS, AND BIOSILICA. The core also contains some shell fragments including pteropod debris, and has numerous gas voids, and drilling biscuits are common.</p>

PAL

Site 1054 Hole A Core 22X

Cored 189.8-200.0 mbsf

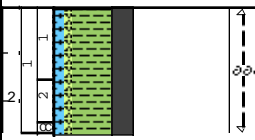
1054A-22X

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0	1							dk gy GN	<p>SILTY CLAY WITH NANNOFOSSILS, FORAMINIFERS, AND BIOSILICA</p> <p>General Description: This core contains olive gray (5Y 4/1) SILTY CLAY WITH NANNOFOSSILS, FORAMINIFERS, AND BIOSILICA. The core contains some shell fragments including pteropod debris. The core also has numerous gas voids and drilling biscuits are common.</p>
2	2							mdk ol GN	
4	3							ol GN	
4	4								
6	5								
8	6								
8									

Site 1054 Hole B Core 1H

Cored 0.0-2.7 mbsf

1054B-1H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0.0 1 2 3						0000	PAL	ol GY lt of GY	<p>SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS</p> <p>General Description: This core contains greenish gray and light greenish gray (5GY 5-6/1) SILTY CLAY WITH BIOSILICA, NANNOFOSSILS AND FORAMINIFERS with numerous open worm burrows and broken shelly debris. The top 12 cm of the core is soupy.</p>

Site 1054 Hole B Core 2H

Cored 2.7-12.2 mbsf

1054B-2H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1									<p>SILTY CLAY WITH FORAMINIFERS, NANNOFOSSILS, AND BIOSILICA, and SILTY NANNOFOSSIL CLAY WITH FORAMINIFERS AND BIOSILICA</p> <p>General Description: This core contains olive green (5Y 5/1) and greenish gray (5GY 5/1) SILTY CLAY WITH FORAMINIFERS NANNOFOSSILS AND BIOSILICA and lighter (5GY&5Y 6/1) olive and greenish gray SILTY NANNOFOSSIL CLAY WITH FORAMINIFERS AND BIOSILICA. There are abundant burrows and shell fragments throughout the core. The color is commonly mottled by bioturbation. Early diagenetic Fe-Mn staining is also prevalent in several sections.</p>
2							mdk ol GY		
3							lt ol GN		
4							lt gn GY		
5							gn GY		
6							ol GY		
7							lt gn GY		
8							ol GY		
9									
10									

Site 1054 Hole B Core 3H

Cored 12.2-21.7 mbsf

1054B-3H

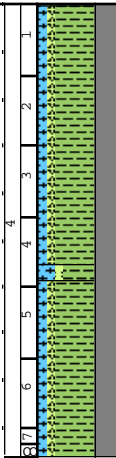
METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0									<p>SILTY NANNOFOSSIL CLAY WITH BIOSILICA, and SILTY CLAY WITH NANNOFOSSILS AND BIOSILICA</p> <p>General Description: This core contains light olive gray (5Y 5-6/1) SILTY FORAM-NANNO CLAY WITH BIOSILICA and olive gray (5Y 4/1) SILTY CLAY WITH NANNOFOSSILS FORAMINIFERS AND BIOSILICA . Burrows filled with foraminifers and shell fragments quite common. Shell and pteropod fragments abundant throughout several sections. Entire core moderately bioturbated, creating mottled and laminated colorations.</p>
0.2							mdk ol GN		
0.4							mdk gy GN		
0.6							mdk ol GN		
0.8							lt ol GN		
1.0							mdk ol GN		
1.2							mdk ol GN		
1.4									
1.6									
1.8							lt ol GN		

PAL

Site 1054 Hole B Core 4H

Cored 21.7-31.2 mbsf

1054B-4H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1 2 3 4 4 5 5 6 6 7								dk gn GY milt gn GY dk gn GY	<p>SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS and SILTY FORAM-NANNOCLAY WITH BIOSILICA</p> <p>General Description: This core contains dark greenish gray (10Y 4/2) SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS and medium-light greenish gray (10Y 5-6/2) SILTY FORAM-NANNO CLAY WITH BIOSILICA. Except for the lighter layer in Section 4, the sediments are rather uniform. The lighter layer is coarser, and therefore may be due to down slope transport.</p>

Site 1054 Hole B Core 5H

Cored 31.2-40.7 mbsf

1054B-5H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1									<p>SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS</p> <p>General Description: This core contains olive gray (5Y 5/1) and dark olive gray (5Y 4/1) SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS</p>
2							ol GY		
3									
4									
5									
6							dk ol GY		
7							ol GY		

← 0.0004

PAL

Site 1054 Hole B Core 6H

Cored 40.7-50.2 mbsf

1054B-6H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
							<p>ol GY</p> <p>dk gn GY</p>	<p>CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS and FORAMINIFERAL SAND</p> <p>General Description: This core contains olive gray (5Y 4/1) and dark greenish gray (10Y 4/1) CLAY WITH BIOSILICA, NANNOFOSSILS AND FORAMINIFERS and FORAMINIFERAL SAND. The coarse nature of the foramiferal deposit suggests down-slope transport.</p>	

PAL

Site 1054 Hole B Core 7H

Cored 50.2-56.9 mbsf

1054B-7H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0.5 1 2 3 4 5 6								dk gn GY	<p>SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS</p> <p>General Description: This core contains dark greenish gray (10Y 4/1) SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS and abundant worm burrows that are lined with biosiliceous debris.</p>
							SS PAL		

Site 1054 Hole B Core 8H

Cored 56.9-66.4 mbsf

1054B-8H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0.2									<p>SILTY CLAY MIXED SEDIMENT WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS and DOLOMITE CONCRETIONS</p> <p>General Description: This core contains the first occurrence of a dolomitized layer in 1054B. Below that layer, the sediment is composed of a dark greenish gray (9-10Y 4/1) SILTY CLAY MIXED SEDIMENT WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS. The core contains shell fragments, and silica lined worm burrows in Sections 2, 3, and 4.</p>
0.4								mt ol GY	
0.6								lt ye OL	
0.8								mdk ol GY	
1.0									
1.2									
1.4									

Site 1054 Hole B Core 9H

Cored 66.4-75.9 mbsf

1054B-9H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
								<p>dk gn GY</p>	<p>SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS</p> <p>General Description: This core contains dark greenish gray (10Y 4/1) SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS and is moderately disturbed by gas expansion.</p>

Site 1054 Hole B Core 10H

Cored 75.9-85.4 mbsf

1054B-10H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1									<p>SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS and FORAMINIFERAL SAND</p> <p>General Description: This core contains dark greenish gray (10Y 4/1) and medium-light greenish gray (10Y 5/1) SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS and two layers of gray (1GY 4/0.5) FORAMINIFERAL SAND, in Sections 3 and 5.</p>
2							dk gn GY		
3							dk gn GY		
4							SS		
5							mlt gn GY		
6							dk gn GY		
7									
10							PAL		

Site 1054 Hole B Core 11H

Cored 85.4-94.9 mbsf

1054B-11H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0 0.2 0.4 0.6 0.8 1.0								dk gn GY	<p>SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS</p> <p>General Description: This core contains dark greenish gray (10Y 4/1) SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS. Gas expansion has created substantial core disturbance, and the smell of hydrogen sulfide was very strong after the core was split.</p>

Site 1054 Hole B Core 12H

Cored 94.9-103.2 mbsf

1054B-12H

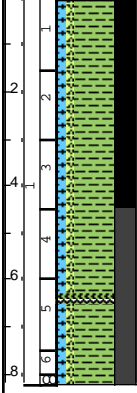
METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8								dk gn GY	<p>SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS</p> <p>General Description: This core contains dark greenish gray (10Y 4/1) SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS. The core is moderately to extremely disturbed by gas expansion.</p>

Site 1054 Hole C Core 1H

Cored 0.0-8.2 mbsf

1054C-1H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0.0									<p>SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS, and FORAMINIFERAL SAND</p> <p>General Description: This core contains greenish gray and dark greenish gray (5GY 4-5/1) SILTY CLAY WITH BIOSILICA, NANNOFOSSILS AND FORAMINIFERS with numerous open worm burrows and broken shelly debris. The top 40 cm of the core is soupy, and there is a layer of FORAMINIFERAL SAND in Section 5, 45-50, with a scoured lower contact.</p>
0.2							SS	gn GY	
0.4								dk gn GY	
0.6								gn GY	
0.8									



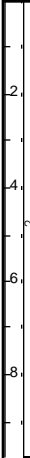
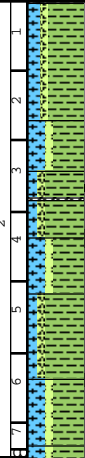
0.000

PAL

Site 1054 Hole C Core 2H

Cored 8.2-17.7 mbsf

1054C-2H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
						<p>ooo</p>	<p>SS</p> <p>PAL</p>	<p>dk gn GY mlt gn GY</p>	<p>SILTY FORAM-NANNO CLAY WITH BIOSILICA, SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS, and FORAMINIFERAL SAND</p> <p>General Description: This core contains medium light greenish gray (10Y 5-6/1) SILTY FORAM-NANNO CLAY WITH BIOSILICA and dark greenish gray (10Y 4/1) SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS with a thin layer of FORAMINIFERAL SAND near the bottom of section 3.</p>

Site 1054 Hole C Core 3H

Cored 17.7-27.2 mbsf

1054C-3H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1									<p>SILTY FORAM-NANNO CLAY WITH BIOSILICA, and SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS</p> <p>General Description: This core contains medium-light greenish gray (10Y 5/2) SILTY FORAM-NANNO CLAY WITH BIOSILICA, and dark greenish gray (10Y 4/1) SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS.</p>
2									
3									
4									
5									
6									
7									
8									
9									
10									

0000

SS

dk gn GY


mlt gn GY

PAL

Site 1054 Hole C Core 4H

Cored 27.2-28.2 mbsf

1054C-4H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
4 3								gn GY	<p>SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS</p> <p>General Description: This core contains greenish gray (10Y 4.5/2) SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS.</p>

Site 1054 Hole C Core 5H

Cored 28.2-37.7 mbsf

1054C-5H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0									<p>SILTY CARBONATE CONCRETIONS, FORAMINIFERAL SAND, and SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS</p> <p>General Description: This core contains dark greenish gray (10Y 4/1) SILTY CLAY WITH BIOSILICA, NANNOFOSSILS AND FORAMINIFERS, a layer of SILTY CARBONATE CONCRETIONS in the bottom of Section 4, and two thin layers of FORAMINIFERAL SAND in the core catcher.</p>
1							dk gn GY		
2							med gn GY		
3							dk gn GY		
4					∅∅∅				
5									
6									
7									
8								dk gn GY	

PAL

Site 1054 Hole C Core 6H

Cored 37.7-47.2 mbsf

1054C-6H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
10									<p>SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS</p> <p>General Description: This core contains dark greenish gray (10Y 4/1) SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS. Section 4, 130-140 cm has some rapid, but slight alternations in lithology.</p>
9									
8									
7									
6									
5									
4									
3									
2									
1									

Site 1054 Hole C Core 7H

Cored 47.2-56.7 mbsf

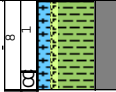

1054C-7H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
								<p>mdk gn GY</p>	<p>SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS</p> <p>General Description: This core contains medium dark greenish gray (10Y 4-5/1) SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS and has scattered silica lined worm burrows through Sections 5, 6, and 7.</p>

Site 1054 Hole C Core 8H

Cored 56.7-58.7 mbsf


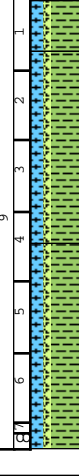



1054C-8H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
8 1 0								gn GY	<p>SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS</p> <p>General Description: This core contains greenish gray (10Y 5/2) SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS, and has scattered silica lined worm burrows.</p>

Site 1054 Hole C Core 9H

Cored 58.7-68.2 mbsf

1054C-9H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
							<p>ol GN</p>		<p>SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS</p> <p>General Description: This core contains olive green (5Y 5/3) SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS with some subtle color variations. There are also some grains size variations in Section 4 including a narrow silty layer at 89 cm. Silica lined worm burrows occur throughout the core.</p>

Site 1054 Hole C Core 10H

Cored 68.2-77.7 mbsf

1054C-10H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0.0									<p>SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS</p> <p>General Description: This core contains dark greenish gray (10Y 4/1) SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS. There is a slight lithology change in Section 5 between 50 and 55 cm, and there is a semi-cemented layer in Section 2, 70-75 cm. The white specks that occur throughout the core photograph are silica lined worm burrows. There is also a long worm burrow that extends from 95-122 cm in Section 3.</p>
0.2								dk gy GN	
0.4									
0.6									
0.8									
1.0									
1.2									
1.4									
1.6									
1.8									
2.0									
2.2									
2.4									
2.6									
2.8									
3.0									
3.2									
3.4									
3.6									
3.8									
4.0									
4.2									
4.4									
4.6									
4.8									
5.0									
5.2									
5.4									
5.6									
5.8									
6.0									
6.2									
6.4									
6.6									
6.8									
7.0									
7.2									
7.4									
7.6									
7.8									
8.0									
8.2									
8.4									
8.6									
8.8									
9.0									
9.2									
9.4									
9.6									
9.8									
10.0									

Site 1054 Hole C Core 12H

Cored 87.2-96.7 mbsf

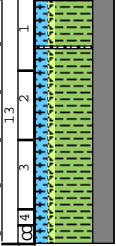
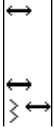
1054C-12H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1 2 3 4 5 6 8								ol GN dk ol GN	<p>SILTY FORAM-NANNO CLAY WITH BIOSILICA, and SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS</p> <p>General Description: This core contains olive green and dark olive green (10Y 5-4/3) SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS. The core is slightly to moderately disturbed by gas expansion.</p>

Site 1054 Hole C Core 13H

Cored 96.7-101.9 mbsf

1054C-13H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0 1 2 3 4	13 2 3 4							ol GN	<p>SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS and FORAMINIFERAL SAND</p> <p>General Description: This core contains olive green (5Y 4-5/3) SILTY CLAY WITH BIOSILICA, NANNOFOSSILS, AND FORAMINIFERS and there is a thin layer of FORAMINIFERAL SAND in Section 1.</p>