

Site 1061 Hole A Core 1H

Cored 0.0-9.5 mbsf

1061A-1H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0.0									<p>CLAY WITH SILT AND NANNOFOSSILS</p> <p>General Description: This core contains olive gray (5Y 3/2) to dark greenish gray (10Y 5/1) CLAY WITH SILT AND NANNOFOSSILS. The relative amount of clay, silt, and nannofossils varies throughout the core, ranging from a CLAY WITH SILT in Section 4 to a NANNOFOSSIL CLAY in Sections 5-6. All contacts between lithologies are exceptionally gradational.</p>
1.0								ol GY	
2.0							XRD	lt ol GY	
3.0							SS	ol GY	
4.0								..	
5.0								br GY	
6.0								lt ol GY	
7.0								ol GY	
8.0							IW	lt ol GY	
9.5								mdk gy GY	
								..	
								mdk gy GY	
								dk gn GY	
							SS	..	
								dk gn GY	
							PAL		



Site 1061 Hole A Core 2H

Cored 9.5-19.0 mbsf

1061A-2H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0									<p>CLAY WITH SILT AND NANNOFOSSILS</p> <p>General Description: This core contains medium-dark greenish gray (5GY 5/1) CLAY WITH SILT AND NANNOFOSSILS. The dominant lithology is interbedded with CLAY WITH SILT in Section 4 and NANNOFOSSIL CLAY in Sections 5-6. Several contacts throughout the core have gradational upper contacts and sharp basal contacts. Bluish green (5BG 4/6) color laminae observed at base of the NANNOFOSSIL CLAY.</p> <p>Section 3, 130-150 cm: several bluish green (5BG 4/6) and reddish brown (10R 4/6) color laminae are present.</p>
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									

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XRD

IW

PAL

mdk gn GY

gn GY

dk gn GY

lt gn GY

dk gn GY

Site 1061 Hole A Core 3H

Cored 19.0-28.5 mbsf

1061A-3H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0 2 4 6 8 10	1 2 3 4 5 6 7							mdk gn GY lt gn GY gn GY gn GY gy OR lt gn GY gn GY pal rd BR .. med rd BR med br GY dk gn GY ol GY dk gn GY SS PAL	<p>CLAY WITH SILT AND NANNOFOSSILS</p> <p>General Description: This core contains dark greenish gray (5G 4/1) CLAY WITH SILT AND NANNOFOSSILS in Sections 5-8. The dominant lithology is overlain by a light greenish gray (5GY 8/1) CLAY-NANNOFOSSIL MIXED SEDIMENT, a greenish gray (5G 5/1) CLAY WITH NANNOFOSSILS, and a dark greenish gray (5GY 4/1) CLAY WITH SILT in Sections 1-3. Color laminae and Zoophycos traces are common, and frequent sharp changes in color are present throughout the core.</p>

Site 1061 Hole A Core 5H

Cored 38.0-47.5 mbsf

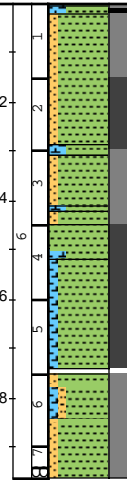



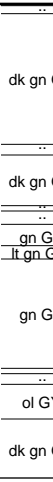
1061A-5H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0									<p>CLAY WITH NANNOFOSSILS and CLAY</p> <p>General Description: This core contains greenish gray (5GY 6/1) CLAY and medium-light olive green (5Y 5/1) CLAY WITH NANNOFOSSILS and NANNOFOSSIL CLAY. All lithologic and color variations throughout the core are gradational, and faint color banding is present in Sections 1-5. A greenish gray (5G 5/1) CLAY WITH SILT is present in Section 1.</p>
1								gn GY	
2							XRD	gn GY	
3								mlt ol GY	
4					P _y		SS	gn GY	
5								mlt ol GY	
6					P _y			mlt ol GY	
7							IW	gn GY	
8					P _y			lt gn GY	
9							SS	gn GY	
10							PAL	lt gn GY	

Site 1061 Hole A Core 6H

Cored 47.5-57.0 mbsf

1061A-6H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0-8								dk gn GY .. dk gn GY .. gn GY lt gn GY .. gn GY .. ol GY .. dk gn GY	<p>CLAY WITH SILT and CLAY WITH NANNOFOSSILS</p> <p>General Description: This core contains dark greenish gray (10Y 5/1) CLAY WITH SILT and greenish gray (5G 6/1) CLAY WITH NANNOFOSSILS. Variable amounts of biogenic and siliciclastic components are present throughout the core, ranging from a NANNOFOSSIL CLAY in Sections 1-4 to a CLAY WITH NANNOFOSSILS AND SILT in Section 6. Several color laminae are seen in Sections 1, 3, and 6, interpreted as relict diagenetic fronts.</p>

Site 1061 Hole A Core 7H

Cored 57.0-66.5 mbsf

1061A-7H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1									<p>CLAY</p> <p>General Description: This core contains dark greenish gray (10Y 5/1) CLAY with mottles throughout core. The dominant lithology consists of 10-15% mixed siliceous material, including diatoms, radiolarians, silicoflagellates, and sponge spicules. There is a sharp, irregular contact with a light gray (N5) NANNOFOSSIL-CLAY MIXED SEDIMENT in Section 6. Pyrite nodules are disseminated throughout Sections 1-4.</p>
2								dk gn GY vdk gn GY	
3								dk gn GY BK	
4								dk gn GY	
5								dk gn GY	
6								dk gn GY	
7								dk gn GY	
8								dk gn GY	
9								dk gn GY	
10								dk gn GY	

Site 1061 Hole A Core 8H

Cored 66.5-76.0 mbsf

1061A-8H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0									<p>CLAY and CLAY WITH NANNOFOSSILS</p> <p>General Description: This core contains reddish brown (10R 5/2) CLAY and dark greenish gray (10Y 5/1) CLAY WITH NANNOFOSSILS. The CLAY present in Sections 1, 6, and CC contains 10%-15% biogenic silica, including diatoms, radiolarians, and silicoflagellates. In Sections 2-4 the CLAY WITH NANNOFOSSILS is commonly interbedded with a light greenish gray (5GY 8/1) NANNOFOSSIL-CLAY MIXED SEDIMENT. Section 5 contains a greenish gray (5GY 6/1) NANNOFOSSIL CLAY. Contacts between lithologies are predominantly sharp and irregular due to severe bioturbation.</p> <p>Section 3, 21 cm: dark purplish green lamina.</p>
1		dk gn GY							
2		ol GN							
3		gn GY							
4		gn GY							
5		gn GY							
6		lt gn GY							
7		gn GY							
8		ol GY							
9		rd BR							

Site 1061 Hole A Core 9H

Cored 76.0-85.5 mbsf

1061A-9H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1									<p>CLAY WITH NANNOFOSSILS</p> <p>General Description: This core contains greenish gray (5GY 6/1) CLAY WITH NANNOFOSSILS. In Sections 5-CC the CLAY WITH NANNOFOSSILS is underlain by a dark greenish gray (10Y 5/1) CLAY and a light greenish gray (5G 8/1) NANNOFOSSIL CLAY. All contacts between lithologies are sharp throughout the core. Heavy color mottling is present in Section 7.</p>
2								XRD	
3								dk gn GY	
4								SS	
5								dk gn GY	
6								gn GY	
7								dk gn GY	
8								IW	
9								dk gn GY	
10								lt gn GY	
								dk gn GY	
								PAL	

Site 1061 Hole A Core 11H

Cored 95.0-104.5 mbsf

1061A-11H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1									<p>CLAY WITH NANNOFOSSILS and NANNOFOSSIL CLAY</p> <p>General Description: This core contains dark greenish gray (5GY 4/1) NANNOFOSSIL CLAY and greenish gray (5GY 5/1) CLAY WITH NANNOFOSSILS. The relative amount of clay and nannofossils is variable throughout the core with sharp and gradational contacts between lithotypes. In Section 2 faint Fe-S banding is common from 60-140 cm.</p>
2								pal gn GY	
3								dk gn GY	
4								..	
5								gn GY ol GY lt gn GY	
6							XRD	gn GY BK	
7								lt gn GY lt gn GY BK	
8							IW	gn GY BK	
9								..	
10								lt gn GY	
							PAL	..	

Site 1061 Hole A Core 12H

Cored 104.5-114.0 mbsf

1061A-12H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0									<p>CLAY WITH NANNOFOSSILS and NANNOFOSSIL CLAY</p> <p>General Description: This core contains dark greenish gray (10Y 5/1) CLAY WITH NANNOFOSSILS CLAY WITH NANNOFOSSILS AND SILT, and greenish gray (5GY 5/1) NANNOFOSSIL CLAY. Frequent and exceptionally sharp contacts are common between the dominant lithologies. Color laminae and diagenetic banding are common at the base of the interbedded light greenish gray (5GY 8/1) NANNOFOSSIL CLAY MIXED SEDIMENT. In Section 4 a small microfault is present in a greenish gray (5GY 5/1) lamina.</p>
1								dk gn GY	
1								gn GY	
1								mt GY	
2								lt gn GY	
2								lt GY	
3								GY	
3								gn GY	
4								XRD	
4								dk gn GY	
4								lt gn GY	
5								dk gn GY	
5								gn GY	
6								gn GY	
6								dk gn GY	
7								gn GY	
7								dk gn GY	
8								lt gn GY	
8								dk gn GY	

Py

IW

PAL

Site 1061 Hole A Core 13H

Cored 114.0-123.5 mbsf

1061A-13H

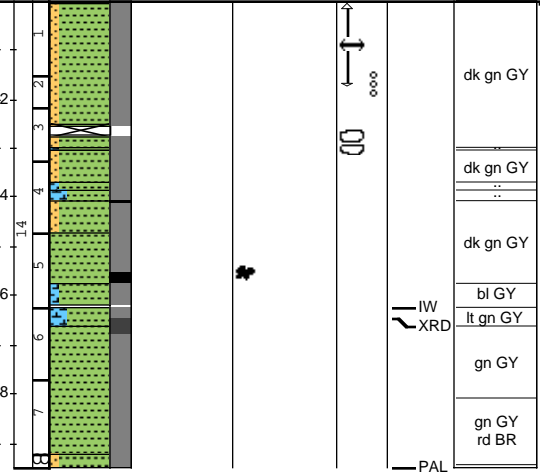
METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1 2 3 4 5 6 7 8 9 10	13						SS XRD IW PAL	gn GY gn GY gn GY lt gn GY gn GY dk gn GY dk rd GN dk rd BR rd BR rd BR mdk rd BR dk ol BR ol GY	<p>CLAY and CLAY WITH NANNOFOSSILS</p> <p>General Description: This core contains reddish brown (5YR 4/1) to olive gray (5Y 4/1) CLAY, olive gray (5Y 5/1) CLAY WITH NANNOFOSSILS and greenish gray (5Y 5/1) NANNOFOSSIL CLAY. Greenish gray (5Y 5/1) diagenetic laminae are common throughout the core, especially in Section 5.</p>

Site 1061 Hole A Core 14H

Cored 123.5-133.0 mbsf

1061A-14H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0									<p>CLAY WITH SILT and CLAY</p> <p>General Description: This core contains dark greenish gray (5GY 4/1) CLAY WITH SILT and greenish gray (5GY 5/1) CLAY. The dominant lithology is interbedded with greenish gray (5GY 5/1) CLAY WITH NANNOFOSSILS and light greenish gray (5GY 7/1) NANNOFOSSIL CLAY in Section 4. The CLAY in Section 7 is mottled with reddish brown (5YR 5/1) CLAY. Color laminae are common to pervasive throughout core.</p>
1								dk gn GY	
2								dk gn GY	
3								dk gn GY	
4								dk gn GY	
5								bl GY	
6								lt gn GY	
7								gn GY	
8								gn GY rd BR	



Site 1061 Hole A Core 15H

Cored 133.0-142.5 mbsf

1061A-15H

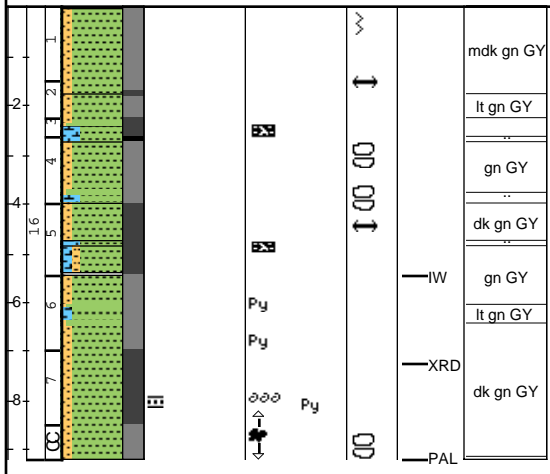
METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1									<p>CLAY WITH SILT</p> <p>General Description: This core contains dark greenish gray (10GY 5/1) CLAY WITH SILT, CLAY WITH NANNOFOSSILS, and CLAY WITH NANNOFOSSILS AND SILT. In Sections 4-7 the dominant lithology is commonly interbedded with light greenish gray (5GY 8/1) NANNOFOSSIL CLAY with sharp basal contacts and gradational upper contacts. Light gray (N6), reddish brown (10YR 5/1), and dark greenish gray (10Y 5/1) diagenetic laminae are common throughout the core. Colors are mottled in several sections.</p>
2									
3									
4									
5									
6									
7									
8									
9									
10									

Site 1061 Hole A Core 16H

Cored 142.5-152.0 mbsf

1061A-16H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0									<p>CLAY WITH SILT</p> <p>General Description: This core contains dark greenish gray (10Y 5/1) CLAY WITH SILT, and CLAY WITH NANNOFOSSILS AND SILT. The dominant lithology is interbedded with light greenish gray (5G 8/1) NANNOFOSSIL CLAY with sharp basal contacts and gradational upper contacts. Color laminae and mottling are abundant throughout the core.</p>
1							mdk gn GY		
2							lt gn GY		
3							gn GY		
4							dk gn GY		
5							gn GY		
6							lt gn GY		
7							gn GY		
8							dk gn GY		
							IW		
							XRD		
							PAL		



CLAY WITH SILT

General Description:
This core contains dark greenish gray (10Y 5/1) CLAY WITH SILT, and CLAY WITH NANNOFOSSILS AND SILT. The dominant lithology is interbedded with light greenish gray (5G 8/1) NANNOFOSSIL CLAY with sharp basal contacts and gradational upper contacts. Color laminae and mottling are abundant throughout the core.

Site 1061 Hole A Core 17X

Cored 152.0-157.4 mbsf

1061A-17X

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1.7 2 3 4					P _y ∅∅∅ P _y P _y P _y		XRD mlt of GY dk gy GN gn BK IW dk gy GN dk GY .. dk gy GN		CLAY WITH SILT General Description: This core contains dark grayish green (10G 5/1) CLAY WITH SILT. Gray (N6) color laminae and mottles are pervasive throughout the core, although the laminae are often poorly defined. The sidewall is disturbed throughout the core.

Site 1061 Hole A Core 19X

Cored 167.0-176.6 mbsf

1061A-19X

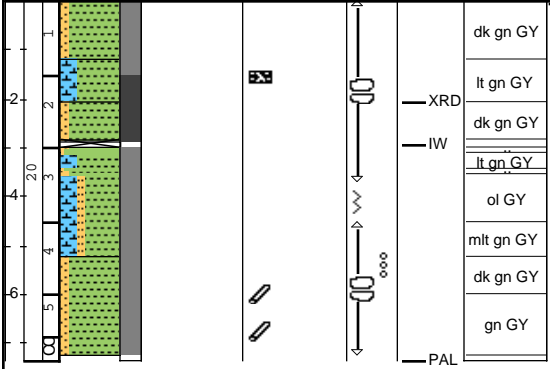
METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0	1								<p>CLAY WITH SILT</p> <p>General Description: This core contains dark greenish gray (10Y 5/2) CLAY WITH SILT, CLAY WITH NANNOFOSSILS, and CLAY WITH NANNOFOSSILS AND SILT. In Sections 4-5 the dominant lithology is interbedded with light greenish gray (5G 8/1) NANNOFOSSIL CLAY WITH SILT with gradational contacts between lithologies.</p>
1	2						SS	dk gn GY	
2	3							gn GY	
3	4						XRD	dk gn GY	
4	5						IW	dk gn GY .. dk gn GY lt gn GY	
5	6							dk gn GY	
6									
7									
8									
9							PAL		

Site 1061 Hole A Core 20X

Cored 176.6-186.2 mbsf

1061A-20X

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0									<p>CLAY WITH SILT</p> <p>General Description: This core contains dark greenish gray (5G 4/1) CLAY WITH SILT. The dominant lithology is interbedded with light greenish gray (5GY 8/1) NANNOFOSSIL CLAY and NANNOFOSSIL CLAY WITH SILT in Sections 1, 3, and 4, and greenish gray (5GY 6/1) CLAY WITH SILT AND CLAY WITH NANNOFOSSILS in Sections 2-3. Contacts between lithologies are typically obscured by extreme drilling disturbance.</p>
1								dk gn GY	
2								lt gn GY	
3								dk gn GY	
4								lt gn GY	
5								ol GY	
6								mlt gn GY	
								dk gn GY	
								gn GY	



CLAY WITH SILT

General Description:
This core contains dark greenish gray (5G 4/1) CLAY WITH SILT. The dominant lithology is interbedded with light greenish gray (5GY 8/1) NANNOFOSSIL CLAY and NANNOFOSSIL CLAY WITH SILT in Sections 1, 3, and 4, and greenish gray (5GY 6/1) CLAY WITH SILT AND CLAY WITH NANNOFOSSILS in Sections 2-3. Contacts between lithologies are typically obscured by extreme drilling disturbance.

Site 1061 Hole A Core 21X

Cored 186.2-195.8 mbsf

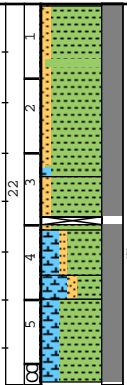
1061A-21X

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1 2 3 4 5 6 8									<p>CLAY WITH SILT</p> <p>General Description: This core contains dark greenish gray (5G 4/1) CLAY WITH SILT. The dominant lithology is interbedded with light greenish gray (5G 8/1) NANNOFOSSIL CLAY WITH SILT. Drilling disturbance is common to severe with 2-3 cm-thick biscuits.</p> <p>Section 4, 70-77 cm: turbidite with very sharp, scoured basal contact. Color laminae prevalent throughout interval.</p>

Site 1061 Hole A Core 22X

Cored 195.8-205.4 mbsf

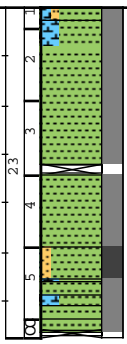
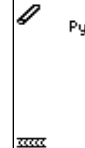
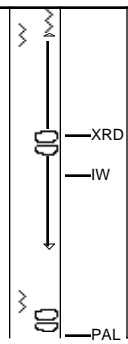
1061A-22X

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0 1 2 3 4 5 6	22								<p>CLAY WITH SILT and NANNOFOSSIL CLAY</p> <p>General Description: This core contains dark greenish gray (5G 4/1) CLAY WITH SILT and light olive gray (5Y 6/1) NANNOFOSSIL CLAY. Color mottling and diagenetic laminae are common throughout the core. The relative amount of clay, silt, and nannofossils varies throughout the core, especially in Section 4.</p>
				P_y			<p>dk gn GY</p> <p>dk gn GY</p> <p>XRD ..</p> <p>dk gn GY</p> <p>IW</p> <p>mlt bl GY</p> <p>lt gn GY</p> <p>lt ol GY</p> <p>PAL</p>		

Site 1061 Hole A Core 23X

Cored 205.4-215.1 mbsf

1061A-23X

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0 2 4 6	CL							.. Lt gn GY dk gn GY mlt ol GY dk gn GY dk gn GY BK	<p>CLAY</p> <p>General Description: This core contains dark greenish gray (10Y 4/2) CLAY interbedded with light greenish gray (5G 7/1) NANNOFOSSIL CLAY. The interbedded sediments commonly have sharp basal contacts and gradational upper contacts. Color variations are pervasive throughout the lower sections.</p> <p>Section 1 contains five well-consolidated, discordant, and fractured biscuits of various lithologies, ranging from a light greenish gray (5GY 8/1) CLAY WITH NANNOFOSSILS AND SILT to a light greenish gray (5G 7/1) NANNOFOSSIL CLAY.</p>

Site 1061 Hole A Core 24X

Cored 215.1-224.8 mbsf

1061A-24X

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
									<p>CLAY WITH SILT</p> <p>General Description: This core contains dark greenish gray (5GY 4/1) CLAY WITH SILT. The dominant lithology is generally massive and structureless with interbedded light greenish gray (5GY 8/1) CLAY WITH SILT AND NANNOFOSSILS and NANNOFOSSIL CLAY. All contacts between lithologies are gradational.</p>

P_y

P_y

P_y

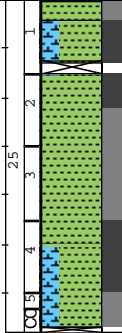
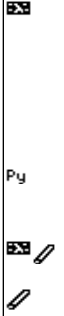

IW
XRD
PAL

dk gn GY
dk gn GY
gn GY
gn GY
dk gn GY

Site 1061 Hole A Core 25X

Cored 224.8-234.5 mbsf

1061A-25X

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0 2 4 6								gn GY lt gn GY mdk gn GY dk gn GY gn GY lt gn GY	<p>CLAY and NANNOFOSSIL CLAY</p> <p>General Description: This core contains greenish gray (5GY 6/1) CLAY and light greenish gray (5G 8/1) NANNOFOSSIL CLAY. Contacts between dominant lithologies are typically obscured by moderate to extreme drilling disturbance.</p>

Site 1061 Hole A Core 26X

Cored 234.5-244.2 mbsf

1061A-26X

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0 2 4 6								dk gn GY lt gn GY gn GY .. mdk gn GY gn GY	<p>CLAY and CLAY WITH NANNOFOSSILS</p> <p>General Description: This core contains dark greenish gray (5G 4/1) CLAY interbedded with greenish gray (5GY 6/1) CLAY WITH NANNOFOSSILS. Extreme drilling disturbance is present throughout the core.</p>

Site 1061 Hole A Core 27X

Cored 244.2-253.9 mbsf

1061A-27X

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0 2 4 6	CC 1 27				Py Py		XRD gn GY : gn GY mdk gn GY : gn GY		<p>CLAY</p> <p>General Description: This core contains dark greenish gray (10Y 4/1) CLAY. In Section 3 the dominant lithology is interbedded with light olive gray (5Y 6/1) CLAY WITH NANNOFOSSILS. Disseminated pyrite is common throughout the core, and most sections are severely drilling disturbed with 2-3 cm-thick biscuits.</p>

Site 1061 Hole A Core 28X

Cored 253.9-263.5 mbsf

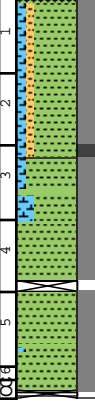
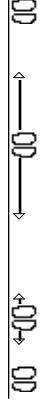
1061A-28X

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0	CC								<p>CLAY</p> <p>General Description: This core contains greenish gray (5G 6/1) to dark greenish gray (5G 4/1) CLAY. The dominant lithology is interbedded with light greenish gray (5G 8/1) NANNOFOSSIL CLAY. Sharp diagenetic laminae are common over certain intervals, especially in Section 2.</p>
1							SS	dk gn GY	
2								dk gn GY	
3							XRD	lt gn GY	
4								dk gn GY	
5								gn GY	
6							SS	gn GY	
								gn GY	
								dk gn GY	
							PAL	gn GY	

Site 1061 Hole A Core 29X

Cored 263.5-273.2 mbsf

1061A-29X

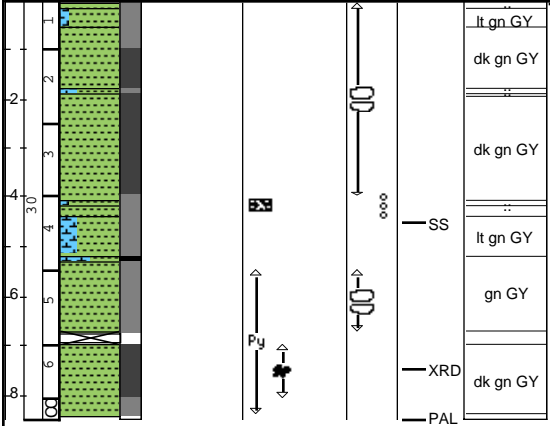
METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0 2 4 6 8	29						SS rd BR gn GY lt gn GY XRD dk gn GY IW vdk gn GY dk gn GY PAL		<p>CLAY WITH SILT AND NANNOFOSSILS and CLAY</p> <p>General Description: This core contains reddish brown (10YR 5/1) CLAY WITH SILT AND NANNOFOSSILS and dark greenish gray (5GY 3/1) CLAY. The relative amount of silt, nannofossils, and clay varies throughout the core, ranging from a CLAY to a NANNOFOSSIL CLAY in Section 3. Drilling disturbance is common throughout the core.</p>

Site 1061 Hole A Core 30X

Cored 273.2-282.8 mbsf

1061A-30X

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0.0 - 0.8							CLAY General Description: This core contains dark greenish gray (5G 4/1) CLAY. The dominant lithology is interbedded with light greenish gray (5GY 8/1) NANNOFOSSIL CLAY, especially in Section 4. Pyrite crystals with metallic luster are present in Sections 6 and 7.		



Site 1061 Hole A Core 31X

Cored 282.8-292.4 mbsf

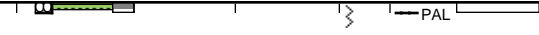
1061A-31X

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0									<p>CLAY and NANNOFOSSIL CLAY</p> <p>General Description: This core contains dark greenish gray (5G 4/1) CLAY and light greenish gray (5G 8/1) NANNOFOSSIL CLAY. The dominant lithology is interbedded with greenish gray (5G 6/1) CLAY WITH NANNOFOSSILS. Drilling disturbance is minimal throughout the core.</p>
1								SS dk gn GY	
2								XRD ..	
3								IW mdk gn GY	
4								Py lt gn GY dk gn GY ..	
5								SS lt gn GY ..	
6								PAL ..	

Site 1061 Hole A Core 32X

Cored 292.4-302.0 mbsf


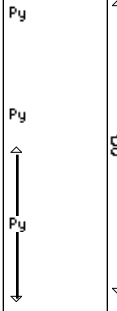
1061A-32X

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
									 <p>General Description: This core contains dark greenish gray (5GY 4/1) CLAY. The dominant lithology is mottled with olive gray (5Y 4/1) CLAY. Drilling disturbance is severe throughout the core, which consists only of a core catcher section.</p>

Site 1061 Hole A Core 33X

Cored 302.0-311.7 mbsf

1061A-33X

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0 1 2 3 4 5 6								dk gn GY lt gn GY .. dk gn GY rd BR gn GY ..	<p>CLAY</p> <p>General Description: This core contains dark greenish gray (5G 4/1) CLAY. The dominant lithology is interbedded with light greenish gray (5GY 8/1) NANNOFOSSIL CLAY in Section 2 and greenish gray (5GY 6/1) CLAY WITH NANNOFOSSILS in Section 4. The color is variegated throughout the core with increasing reddish brown (10YR 5/1) hues in Sections 2 and 3.</p>

Site 1061 Hole A Core 34X

Cored 311.7-321.3 mbsf

1061A-34X

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
311.7 312.0 312.3 312.6 312.9 313.2 313.5 313.8 314.1 314.4 314.7 315.0 315.3 315.6 315.9 316.2 316.5 316.8 317.1 317.4 317.7 318.0 318.3 318.6 318.9 319.2 319.5 319.8 320.1 320.4 320.7 321.0 321.3							IW XRD PAL	gn GY dk gn GY .. lt gn GY dk gn GY	CLAY and CLAY WITH NANNOFOSSILS General Description: This core contains dark greenish gray (5GY 4/1) CLAY and greenish gray (5GY 6/1) CLAY WITH NANNOFOSSILS. Contacts between dominant lithologies are gradational. Diagenetic laminae are pervasive in Section 3.

Site 1061 Hole A Core 35X

Cored 321.3-330.9 mbsf

1061A-35X

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
							dk gn GY of GY vdk gn GY vdk gn GY BK dk gn GY BK PAL	CLAY General Description: This core contains dark greenish gray (5GY 4/1) CLAY. In Section 2 a lithic fragment with calcium carbonate and dolomite is present. All sections have distinctive diagenetic laminae 25-50 mm in width and commonly black in color.	

Site 1061 Hole A Core 36X

Cored 330.9-340.5 mbsf

1061A-36X

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
					Py			gn GY ol GY gn GY ol GY .. gn GY dk gn GY dk gn GY	<p>CLAY WITH NANNOFOSSILS</p> <p>General Description: This core contains greenish gray (5G 6/1) CLAY WITH NANNOFOSSILS. The dominant lithology is interbedded with dark greenish gray (5G 4/1) CLAY. Throughout the core, color mottling is moderate to severe with olive gray (5Y 4/1) and very dark greenish gray (5G 4/1) mottles. Pyrite crystals are abundant in Sections 1 and 2. The entire core contains drilling biscuits 1-3 cm thick.</p>

Site 1061 Hole A Core 37X

Cored 340.5-350.3 mbsf

1061A-37X

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
							dk gn GY mdk gn GY dk gn GY BK dk gn GY dk GY	CLAY and CLAY WITH NANNOFOSSILS General Description: This core contains dark greenish gray (5G 4/1) CLAY and dark gray (5GY 3/1) CLAY WITH NANNOFOSSILS. In Section 2 there are light gray (N7) laminae 5-6 mm in width. Bioturbation is severe throughout the core, and Chondrites trace fossils are common in Section 4.	

Site 1061 Hole B Core 1H

Cored 0.0-9.5 mbsf

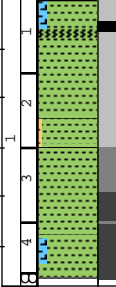


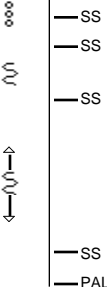
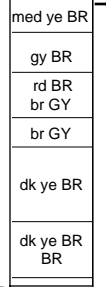
1061B-1H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
								<p>med rd BR br GN</p> <p>med rd BR</p> <p>med br GY</p> <p>..</p> <p>mlt gn GY</p>	<p>CLAY and NANNOFOSSIL CLAY</p> <p>General Description: This core contains reddish brown (10YR 5/3) CLAY and light greenish gray (5GY 7/1) NANNOFOSSIL CLAY. Greenish gray (5GY 5/1) diagenetic laminae are common throughout the core, and all color variations are exceptionally gradational.</p>

Site 1061 Hole C Core 1H

Cored 0.0-5.8 mbsf

1061C-1H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0 1 2 3 4 5							<ul style="list-style-type: none"> — SS med ye BR — SS gy BR — SS rd BR br GY br GY dk ye BR dk ye BR BR — SS — PAL 	<p>CLAY and CLAY WITH NANNOFOSSILS</p> <p>General Description: The core is mainly composed of well-hydrated grayish brown (10YR 5/2) CLAY with a reddish tinge in Section 2. Sections 1 and 4 also contain yellowish brown to brown (10 YR 5/4-3) CLAY WITH NANNOFOSSILS. Bioturbation is variable. Black, sub-horizontal iron sulfide staining is common in Section 4.</p>	

Site 1061 Hole C Core 2H

Cored 5.8-15.3 mbsf

1061C-2H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0	1							rd BR	<p>CLAY</p> <p>General Description: This core is a dark yellowish brown (10YR 4/2) CLAY that is generally massive and structureless with moderate bioturbation. Dark gray to black, sub-horizontal iron sulfide staining is common in Sections 1 and 2. The other sections contain frequent, partially concreted relict oxic/anoxic fronts.</p>
1	2						br GY		
2	3						br GY gn BK		
3	4						dk gy BR		
4	5								
5	6						dk ye BR		
6	7						dk ye BR		
7	8								
8	9								
9	10								

Site 1061 Hole C Core 3H

Cored 15.3-24.8 mbsf

1061C-3H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1									<p>CLAY</p> <p>General Description: This core contains medium light olive (5Y 5/1) gray to olive gray (5Y 6/1) CLAY. Sections 1-3 contain thin NANNOFOSSIL-CLAY MIXED SEDIMENT intervals, and Section 4 is predominantly a CLAY WITH SILT. From Section 6 biosilica becomes a significant accessory component in the CLAY lithology. Diagenetic green to black laminae are common throughout the core, often forming partially lithified horizons.</p>
2								SS .. ye BR mlt ye BR	
3								mlt ol GY	
4								.. mlt gn GY	
5								
6								SS mlt ol GY	
7								mlt ol GY ol GY	
8								SS ol GY	
9								PAL	

Site 1061 Hole C Core 4H

Cored 24.8-34.3 mbsf

1061C-4H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0	1		---			↕		mdk gn GY	<p>CLAY, NANNOFOSSIL-CLAY MIXED SEDIMENT, and CLAY WITH SILT AND NANNOFOSSILS</p> <p>General Description: Section 1 contains medium dark greenish gray (10GY 5/1) CLAY with significant amounts of accessory biogenic silica. From Section 2 downhole, varying amounts of silt and nannofossils are present. In Sections 5 to 7 light olive gray (5Y 6/1) NANNOFOSSIL-CLAY MIXED SEDIMENT is the dominant sediment component. Faint diagenetic color bending becomes moderately common downhole from Section 3. Pyritization of burrow fills is moderate throughout core.</p>
1	2		---			↕		gn GY	
2	3		---			///		lt gn GY	
3	4		---			///		gn GY	
4	5		---			SS		ol GY	
5	6		---			SS		vlt ol GY	
6	7		---					mlt ol GY	
7	8		---					ol GY	
8	9		---					lt ol GY	
9	10		---						

Site 1061 Hole C Core 5H

Cored 34.3-43.8 mbsf

1061C-5H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1									<p>CLAY and CLAY WITH SILT</p> <p>General Description: The top 2 sections are predominantly medium dark greenish gray (10Y 5/1) CLAY with a short interval of pale brown NANNOFOSSIL CLAY MIXED SEDIMENT at the top of Section 1. Reddish (5YR 5/3) CLAY is present in Section 3 and reddish CLAY WITH SILT at the top of Section 4. The rest of the core is predominantly darkish greenish gray CLAY WITH SILT. Bioturbation is generally moderate. Black, sub-horizontal iron sulfide staining is common in Sections 6 to CC.</p>
2									
3									
4									
5									
6									
7									
8									
9									
10									

Site 1061 Hole C Core 6H

Cored 43.8-53.3 mbsf

1061C-6H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0-10								dk gn GY mdk gn GY mdk gn GY gn GY lt ol GY .. lt ol GY gn GY .. gn GY	<p>CLAY and CLAY WITH SILT AND NANNOFOSSILS</p> <p>General Description: Sections 1 to 4 consist of medium dark to moderate greenish gray (10Y 5/2) CLAY with common to pervasive, black iron sulfide staining of the sediment. Pyritization of the dark horizons is also common. Sections 5 to CC contain CLAY WITH SILT AND NANNOFOSSILS generally greenish gray in color. In these sections iron sulfide staining is very rare and only faint but sometimes sharp color changes are observed. Bioturbation is common to abundant in Sections 1 to 4 and moderate below.</p>

Site 1061 Hole C Core 7H

Cored 53.3-62.8 mbsf

1061C-7H

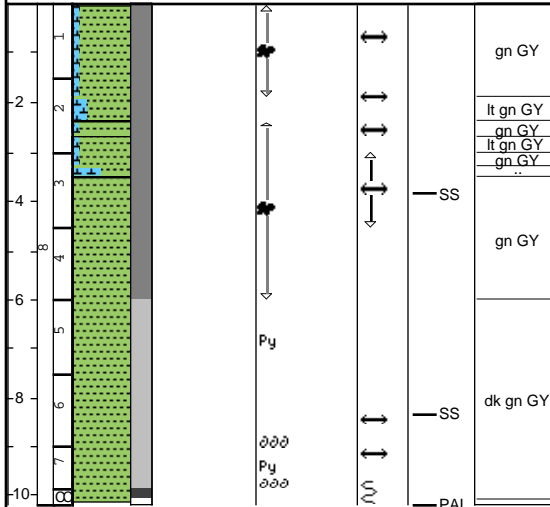
METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0									<p>CLAY, CLAY WITH SILT, and CLAY-NANNOFOSSIL MIXED SEDIMENT</p> <p>General Description: Sections 1 to 4 are dominated by greenish gray (5GY 6/1) CLAY with sparse pyritization of burrow-fills. Comparatively thin light greenish gray (5GY 7/1) CLAY-NANNOFOSSIL MIXED SEDIMENT beds are present from the bottom of Section 2 to Section 7. These are generally characterized by sharper basal contacts compared to the upper gradational transitions. Dark greenish gray (10GY 5/1) CLAY WITH SILT occupies most of Sections 5 to CC, which also contain sparse pyritization of burrow-fills. Color banding on a 1 to 2 cm scale is common from Section 2 down.</p>
1								gn GY	
2							SS	..	
3								gn GY	
4								..	
5								gn GY	
6								lt gn GY	
7								mlt gn GY	
8							SS	..	
9								ye GY	
10								dk gn GY	
11								..	
12							PAL	dk gn GY	

Site 1061 Hole C Core 8H

Cored 62.8-72.3 mbsf

1061C-8H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1									<p>CLAY and CLAY WITH NANNOFOSSILS</p> <p>General Description: Sections 1 to the top of 3 contain greenish gray (5GY 6/1) CLAY WITH NANNOFOSSILS, with the nannofossil component varying. Below Section 3 the core is dominated by dark greenish gray (10Y 5/1 and 10Y 4/1) CLAY. Iron sulfide staining is common from Sections 1 to 4 and all sections contain sparse pyritized burrow-fills. Weak gas expansion is observed throughout most of the core.</p>
2							gn GY		
3							lt gn GY		
4							gn GY		
5							lt gn GY		
6							gn GY		
7							..		
8							SS		
9							gn GY		
10							dk gn GY		



Site 1061 Hole C Core 9H

Cored 72.3-81.8 mbsf

1061C-9H

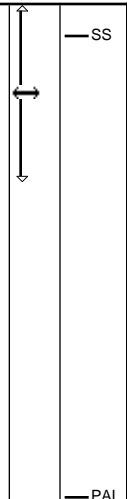
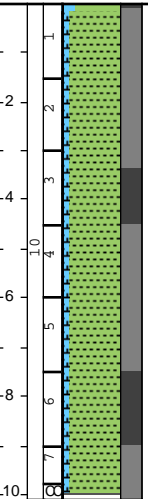
METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1	1	Greenish gray clay with silt	Low					dk gn GY	<p>CLAY WITH NANNOFOSSILS and CLAY WITH SILT</p> <p>General Description: Greenish gray to medium light greenish gray (5GY 5-6/1) CLAY WITH NANNOFOSSILS dominates Sections 2 to 4. Section 1 is a dark greenish gray (5GY 4/1) CLAY WITH SILT, which is also common in Sections 5 to CC where it contains moderate to abundant nannofossils. The bases of the nannofossiliferous beds are often sharper than the tops and they are heavily bioturbated in Sections 3, 6, and 7. Iron sulfide staining is sparse throughout the core. Moderate gas expansion is observed in most sections.</p>
2	2	Light greenish gray clay with silt	Low					gn GY	
3	3	Light greenish gray clay with silt	Low					lt gn GY	
4	4	Greenish gray clay with silt	Low					gn GY	
5	5	Greenish gray clay with silt	Low					gn GY	
6	6	Dark greenish gray clay with silt	Low					dk gn GY	
7	7	Dark greenish gray clay with silt	Low					dk gn GY	
8	8	Dark greenish gray clay with silt	Low					dk gn GY	
9	9	Dark greenish gray clay with silt	Low					dk gy GN	
10	10	Dark greenish gray clay with silt	Low					dk gy GN	
								SS	
								PAL	

Site 1061 Hole C Core 10H

Cored 81.8-91.3 mbsf

1061C-10H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1									<p>NANNOFOSSIL CLAY and CLAY WITH NANNOFOSSILS</p> <p>General Description: This core contains light greenish gray (5GY 7/1) NANNOFOSSIL CLAY and reddish brown (10YR 5/4) to greenish gray (5GY 6/1) CLAY WITH NANNOFOSSILS. FeS mottles and pyritized burrows are common throughout the core.</p>
2							mdk gn GY		
							GN		
							med rd BR		
							GN		
							..		
							..		
							..		
							..		
							med gn GY		
10									



mdk gn GY
GN
med rd BR
GN
..
..
..
med gn GY

NANNOFOSSIL CLAY and CLAY WITH NANNOFOSSILS

General Description:
This core contains light greenish gray (5GY 7/1) NANNOFOSSIL CLAY and reddish brown (10YR 5/4) to greenish gray (5GY 6/1) CLAY WITH NANNOFOSSILS. FeS mottles and pyritized burrows are common throughout the core.

Site 1061 Hole C Core 11H

Cored 91.3-100.8 mbsf

1061C-11H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0									<p>CLAY WITH NANNOFOSSILS and NANNOFOSSIL CLAY</p> <p>General Description: This core contains medium dark greenish gray (5GY 4/1) CLAY WITH NANNOFOSSILS, and light greenish gray (5GY 6/1) NANNOFOSSIL CLAY. Most of Section 6 is a nannofossil ooze. The content of biosilica is high throughout the core.</p>
1								med gn GY	
2								mdk gn GY	
3								mdk gn GY	
4								mlt gn GY	
5								med gn GY	
6								med gn GY	
7								mdk gn GY	
8								lt gn GY	
9								mlt gn GY	
10								mdk gn GY	

Site 1061 Hole C Core 12H

Cored 100.8-110.3 mbsf

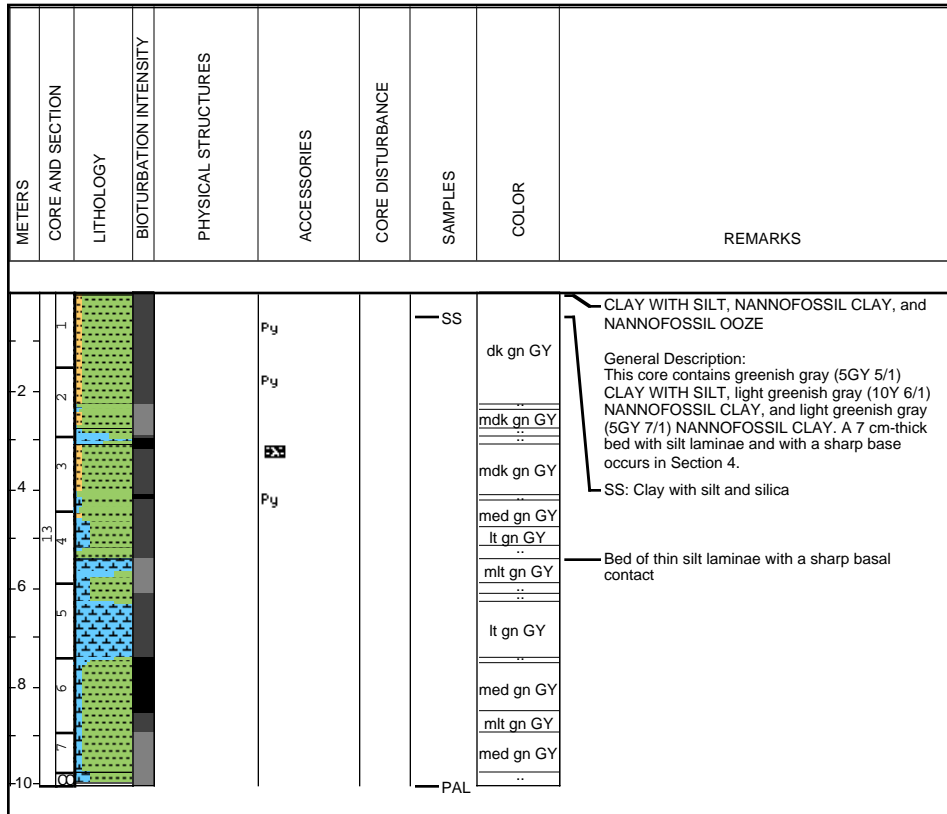
1061C-12H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1									<p>CLAY WITH NANNOFOSSILS and NANNOFOSSIL CLAY</p> <p>General Description: This core contains greenish gray to dark greenish gray (5G 4/1) CLAY WITH NANNOFOSSILS, and greenish gray to light greenish gray (5GY 8/1) NANNOFOSSIL CLAY.</p> <p>Red layer</p> <p>SS: Nannofossil clay</p>
2							mdk br GY		
3							med br GY		
4							med ol GY		
5							med gn GY		
6									
7									
8									
9									
10							mdk gn GY		

Site 1061 Hole C Core 13H

Cored 110.3-119.8 mbsf

1061C-13H

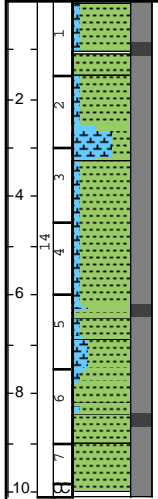


Site 1061 Hole C Core 14H

Cored 119.8-129.3 mbsf

1061C-14H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1								med gn GY	<p>CLAY WITH NANNOFOSSILS and CLAY</p> <p>General Description: This core contains greenish gray (5GY 6/1) CLAY WITH NANNOFOSSILS, and dark greenish gray (5G 4/1) to moderate brownish gray (10YR 5/1) CLAY. Higher content of nannofossils are found in Sections 2, 3, 5, and 6. The sediments contains a relative high portion of biosilica.</p>
2							mdk gn GY		
3							med gn GY		
4							lt gn GY		
5							mdk gn GY		
6							med gn GY		
7					Py		med gn GY		
8					Py		mlt gn GY		
9					Py		med gn GY		
10							med br GY		



Py
Py
Py



PAL

Site 1061 Hole C Core 15H

Cored 129.3-138.8 mbsf

1061C-15H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1								rd BR br GY	<p>CLAY WITH SILT and CLAY WITH NANNOFOSSILS</p> <p>General Description: This core contains reddish brown (5YR 5/3) CLAY WITH SILT and greenish gray (5GY 6/1) CLAY WITH NANNOFOSSILS. All transitions are bioturbated, and green diagenetic layers are common in the upper half of the core.</p> <p>Red layer</p> <p>SS: Clay with nannofossils</p>
2							gn GY rd BR		
3							gn GY ol GN		
4							mt gn GY		
5							mdk gn GY med gn GY		
6							mdk gn GY		
7							..		
8							..		
9							..		
10							..		

Site 1061 Hole C Core 17H

Cored 148.3-157.8 mbsf

1061C-17H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1									<p>CLAY WITH NANNOFOSSILS and CLAY</p> <p>General Description: This core contains dark greenish gray (5G 4/1) CLAY WITH NANNOFOSSILS, and greenish gray (5G 6/1) to reddish gray (7.5YR 5/2) CLAY.</p> <p>Red layer</p> <p>SS</p> <p>SS: Nannofossil ooze</p>
2							mdk gn GY		
							..		
							med gn GY		
3							mdk gn GY		
4							med rd GY gn GY		
5					Py		med gn GY sp RD		
6									
7					Py		med gn GY sp OL		
8							..		
9							..		
10							PAL		

Site 1061 Hole C Core 18H

Cored 157.8-166.8 mbsf

1061C-18H

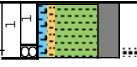



METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0-8								med gn GY mlt gn GY mdk gn GY dk gn GY dk gn GY	<p>CLAY WITH NANNOFOSSILS and CLAY WITH SILT</p> <p>General Description: This core contains greenish gray to light greenish gray (5GY 6 to 7/1) CLAY WITH NANNOFOSSILS and dark greenish gray (10Y 4/1) CLAY WITH SILT. Black mottling due to disseminated pyrite is common in the lower half of the core.</p>

SS
PAL

Site 1061 Hole D Core 1H

CORED 0.0-1.2 mbsf

1061D-1H

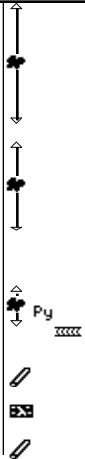
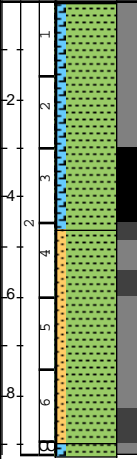
METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1					 			lt BR ol GY	<p>CLAY WITH SILT AND NANNOFOSSILS</p> <p>General Description: This core contains light brown (5YR 5/6) to olive gray (5Y 4/1) CLAY WITH SILT AND NANNOFOSSILS. Zoophycos trace fossils are common in Section 1. A thin (2 cm) silt layer is present in the Core Catcher.</p>

Site 1061 Hole D Core 2H

Cored 1.2-10.7 mbsf

1061D-2H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0									<p>CLAY WITH NANNOFOSSILS and CLAY WITH SILT</p> <p>General Description: This core contains dark yellowish brown (10YR 4/2) CLAY WITH NANNOFOSSILS and grayish brown (10YR 5/2) CLAY WITH SILT. In Sections 1 and 2 there are several sharp pale red (10R 6/2) and reddish brown (10R 4/6) intervals. Greenish gray (5GY 6/1) diagenetic laminae are also present in Sections 4 and 6, and black (N3) Fe-S mottling is pervasive in Sections 1 to 3 and common in Sections 4 to 7.</p>
1							SS	dk ye BR BK	
2								gy BR	
3								dk ye BR	
4								dk ye BR	
5							SS	rd BR	
6								dk ye BR	
7								gy BR	
8								gy BR	
9							SS	gy BR	



Site 1061 Hole D Core 3H

Cored 10.7-20.2 mbsf

1061D-3H

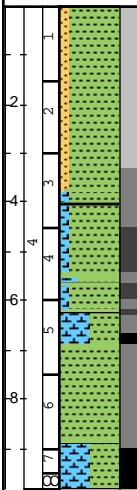
METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0									<p>CLAY WITH NANNOFOSSILS and CLAY</p> <p>General Description: This core contains medium-dark greenish gray (5G 5/1) CLAY WITH NANNOFOSSILS and dark greenish gray (10Y 5/1) CLAY. Sections 1 and 2 are marked by greenish gray (5GY 6/1) and black (N3) diagenetic laminae. The relative amount of clay and nannofossils varies throughout core, ranging from a light greenish gray (5GY 7/1) NANNOFOSSIL CLAY in Sections 3 and 4 to a dark greenish gray (10Y 5/1) CLAY in Sections 5 and 6. In the nannofossiliferous intervals the basal contacts are sharp and the upper contacts gradational. Pyritized worm burrows are common in Sections 1 and 3.</p>
1								gy BR	
2								SS	
3								SS	
4								SS	
5								SS	
6								SS	
7								SS	
8								SS	
9								SS	
10								SS	
11								SS	
12								SS	
13								SS	
14								SS	
15								SS	
16								SS	
17								SS	
18								SS	
19								SS	
20								SS	

Site 1061 Hole D Core 4H

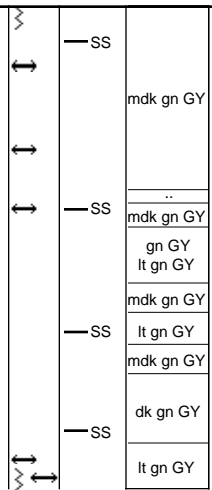
Cored 20.2-29.7 mbsf

1061D-4H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0									
1									<p>CLAY WITH SILT, CLAY WITH NANNOFOSSILS, CLAY, CLAY-NANNOFOSSIL MIXED SEDIMENT</p> <p>General Description: This core contains medium dark greenish gray (10GY 5/1) CLAY WITH NANNOFOSSILS and dark greenish gray (10GY 5/1) CLAY. Contacts between the dominant lithologies are commonly gradational. Sections 2, 3, and 6 contain several pale red (10R 6/2) or reddish brown (10R 4/6) intervals. The dominant lithology in Section 7 is light greenish gray (5GY 8/1) CLAY-NANNOFOSSIL MIXED SEDIMENT. Medium dark greenish gray (5GY 5/1) to black (N3) diagenetic laminae are common throughout the core.</p> <p>In Section 6 the dominant lithology also contains at least 10% biogenic silica, including diatoms, silicoflagellates, and radiolarians.</p>
2								SS	
3								mdk gn GY	
4								SS	
5								gn GY lt gn GY	
6								mdk gn GY lt gn GY mdk gn GY	
7								SS dk gn GY lt gn GY	



Py
Py
Py



Site 1061 Hole D Core 5H

Cored 29.7-39.2 mbsf

1061D-5H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0	1								<p>CLAY WITH SILT</p> <p>General Description: Most of the core consists of CLAY WITH SILT, which is of a prominent reddish color (2.5YR 6/4) in Sections 4, 5, and the top of 6. The color varies from dark olive gray to light olive gray and greenish gray in Sections 1 and 2 where CLAY WITH NANNOFOSSILS is present. Thin grayish laminae are present throughout the core and especially in Sections 4 to CC. Iron sulfide staining and pyritization of burrow-fills are fairly common.</p>
2	2							SS	
								mkt gn GY mkt gn GY	
								..	
								pal ye BR	
								lt ol GY	
								lt rd BR dk gn GY	
								lt rd BR ..	
								rd BR	
								lt BR	
								SS	
								lt BR ol GY	
								..	

Site 1061 Hole D Core 6H

Cored 39.2-48.7 mbsf

1061D-6H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1									<p>CLAY</p> <p>General Description: Medium dark to medium light greenish gray CLAY dominates throughout the core with a short interval of CLAY WITH NANNOFOSSILS in Sections 7 and CC. Abundant dark gray to black iron sulfide staining, mainly in sub-horizontal bands is present in Sections 2 to 6. This is also accompanied by frequent pyritization of burrow-fills. Bioturbation is low to moderate down to Section 5 and common in Sections 6 to CC.</p>
2						SS	mdk gn GY		
3									
4						SS	gn GY		
5									
6									
7							lt gn GY		
8							dk gn GY		
9							mit gn GY		
10						SS	lt gn GY med gn GY		

Site 1061 Hole D Core 7H

Cored 48.7-58.2 mbsf

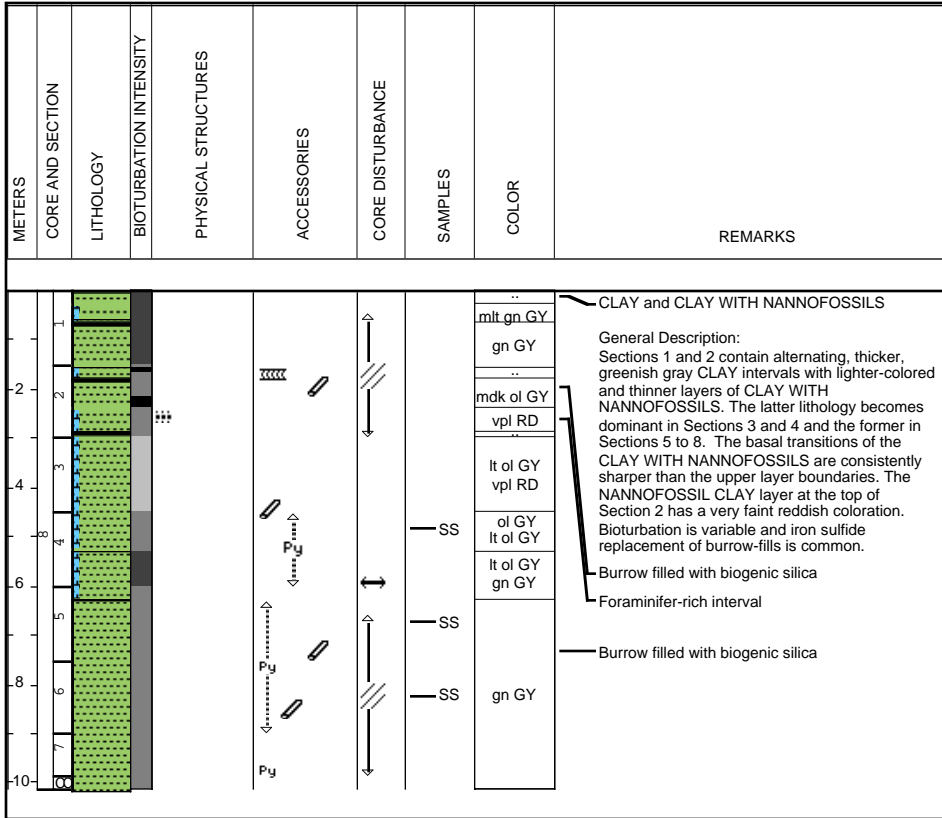
1061D-7H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0	1								<p>CLAY WITH NANNOFOSSILS and CLAY</p> <p>General Description: From Section 1 to the middle of Section 6 the core is dominated by greenish gray (5GY 6/1) CLAY WITH NANNOFOSSILS. This is generally very homogeneous and only contains faint diagenetic color-banding (0.5 to 1 cm thick). From the lower half of Section 6 to Sections 7 and CC greenish gray CLAY with low to moderate iron sulfide replacement of burrow-fills is present.</p>
2	2						gn GY		
3	3						gn GY		
4	4						lt ol GY		
5	5						gn GY		
6	6						lt ol GY		
7	7						gn GY		
8	8						lt gn GY		
9	9						gn GY		
10	10						gn GY		

Site 1061 Hole D Core 8H

Cored 58.2-67.7 mbsf

1061D-8H



Site 1061 Hole D Core 9H

Cored 67.7-77.2 mbsf

1061D-9H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1									<p>CLAY WITH SILT, CLAY WITH NANNOFOSSILS and CLAYEY NANNOFOSSIL OOZE</p> <p>General Description: Sections 1 to the middle of 3 are dominated by moderate to dark greenish gray CLAY WITH SILT containing sparse, pyritized burrow-fills. From the middle of Section 3 to Section CC, light to moderate greenish gray NANNOFOSSIL CLAY is the dominant lithology with two notable intervals of light greenish gray CLAYEY NANNOFOSSIL OOZE in Sections 4 and CC. The base of the carbonate units is consistently sharp and often heavily bioturbated, in contrast with the more gradational tops.</p>
2									
3									
4									
5									
6									
7									
8									
9									
10									

Site 1061 Hole D Core 11H

Cored 86.7-96.2 mbsf

1061D-11H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0									<p>CLAY WITH NANNOFOSSILS and CLAY WITH SILT</p> <p>General Description: This core contains dark greenish gray (5G 4/1) CLAY WITH NANNOFOSSILS and dark greenish gray (5GY 4/1) CLAY WITH SILT. The dominant lithologies are interbedded with medium light greenish gray (5GY 7/1) NANNOFOSSIL CLAY in Sections 2 and 6 and a light greenish gray (5GY 8/1) CLAY-NANNOFOSSIL MIXED SEDIMENT in Section 7. All contacts between lithologies are sharp and irregular due to common bioturbation. The entire core is marked by gradational color variations within lithotypes, ranging from dark (10Y 4/1) to light (5G 8/1) greenish gray.</p>
1								dk gn GY	
2								gn GY	
3								lt gn GY	
4								gn GY	
5								dk gn GY	
6								dk gn GY	
7								gn GY	
8								lt gn GY	
9								med gn GY	

Site 1061 Hole D Core 12H

Cored 96.2-105.7 mbsf

1061D-12H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1	12	gn GY							<p>CLAY WITH NANNOFOSSILS</p> <p>General Description: This core contains greenish gray (5GY 6/1) CLAY WITH NANNOFOSSILS. The relative amounts of clay and nannofossils vary in Sections 1-3, ranging from a dark greenish gray (5GY 4/1) CLAY to a light greenish gray (5G 8/1) CLAY-NANNOFOSSIL MIXED SEDIMENT. Reddish brown (10R 4/6) and pale red (10R 6/2) colorations are common in Sections 3-6 with abrupt changes in color. A thin light olive gray (5Y 6/1) silt lamina is present in Section 7. In Section CC the dominant lithology is dark greenish gray (5GY 4/1) CLAY WITH SILT.</p>
2	2	lt gn GY							
3	3	dk gn GY							
4	4	dk gn GY BK							
5	5	rd BR							
6	6	gn GY BK							
7	7	gn GY							
8	8	gn GY BK							
9	9	gn GY							
10	10	rd GY							
		..							
		dk gn GY							
		gn GY RD							
		dk gn GY							

Site 1061 Hole D Core 13H

Cored 105.7-115.2 mbsf

1061D-13H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1									<p>CLAY WITH SILT</p> <p>General Description: This core contains dark greenish gray (10Y 5/1) CLAY WITH SILT. The dominant lithology is frequently interbedded with light greenish gray (5G 8/1) CLAY-NANNOFOSSIL MIXED SEDIMENT and greenish gray (5GY 6/1) NANNOFOSSIL CLAY. The interbedded lithologies become predominant in Sections 5, 7, and 8, and many of the contacts between lithologies are sharp. Distinct greenish gray (5G 6/1) and grayish purple (SP 4/2) diagenetic laminae are common throughout the core.</p>
2							dk gn GY		
3							gn GY		
4							lt gn GY		
5							lt gn GY		
6							gn GY		
7							lt gn GY		
8							dk gn GY		
9							dk gn GY		
10							lt gn GY		

Site 1061 Hole D Core 14H

Cored 115.2-124.7 mbsf

1061D-14H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1								lt gn GY	CLAY, CLAY WITH NANNOFOSSILS, and CLAY WITH SILT
2								dk gn GY	<p>General Description: This core contains dark greenish gray (5G 4/1) CLAY, greenish gray (5G 6/1) CLAY WITH NANNOFOSSILS, and dark greenish gray (5GY 4/1) CLAY WITH SILT. Throughout the core there are frequent changes in lithologies with sharp and gradational contacts. All lithologic variations are associated with color changes from light greenish gray (5G 8/1) to dark greenish gray (5G 4/1).</p> <p>In Section 3 there are frequent, variegated diagenetic laminae from 70-137 cm.</p>
3								..	
4								dk gn GY	
5								lt gn GY	
6								dk gn GY	
7								lt gn GY	
8								gn GY lt gn GY	
9								dk gn GY med gn GY	
10									

Site 1061 Hole D Core 15H

Cored 124.7-134.2 mbsf

1061D-15H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0									
1								mdk gn GY	NANNOFOSSIL CLAY, CLAY WITH NANNOFOSSILS, and CLAY
2								mlt gn GY	
3								mdk gn GY	General Description: This core contains light greenish gray (5GY 7/1) NANNOFOSSIL CLAY, and greenish gray (5GY 6/1) CLAY. Sections 3 and 4 contain beds with a reddish coloration. Sparse pyrite concretions are present in Sections 5 to CC. Voids due to gas expansion are common throughout the core.
4								BR	
5								rd GY	
6								rd GY or GY	
7									The nannofossil content varies from CLAY WITH NANNOFOSSILS to NANNOFOSSIL CLAY
8								mlt gn GY	
9								med gn GY	

Site 1061 Hole D Core 16H

Cored 134.2-143.7 mbsf

1061D-16H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1								gn GY	CLAY WITH NANNOFOSSILS, CLAY, and NANNOFOSSIL OOZE
2								gn GY	General Description: This core contains greenish gray (5GY 6/1) CLAY WITH NANNOFOSSILS, greenish gray (5GY 6/1) CLAY, and light greenish gray (5GY 7/1) NANNOFOSSIL OOZE. Most lithologic transitions are gradational and bioturbated. Sparse pyrite concretions are bioturbated.
3								mlt gn GY	
4								vlt gn GY	Interbedded silt laminae with scoured lower contacts.
5								mdk gn GY	
6								mdk gn GY vpl RD	Pale red layer
7								med br GY	
8								med gn GY	
9								mlt gn GY	
10								med gn GY	

Site 1061 Hole D Core 17H

Cored 143.7-153.2 mbsf

1061D-17H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0	1					ooo		dk gn GY	<p>CLAY</p> <p>General Description: This core contains dark greenish gray (5GY 4/1) to reddish brown (10R 4/6) CLAY. The dominant lithology is interbedded with thin (<50 cm) greenish gray (5G 5/1) CLAY WITH NANNOFOSSILS and light greenish gray (5G 8/1) NANNOFOSSIL CLAY with gradational contacts between lithologies. Thin (<1 cm) light olive gray (5Y 6/1) SILT laminae are present in Sections 5 and 6. Pyritized worm burrows are common in Sections 5 and 7.</p>
0.2	2						dk gn GY gn GY		
0.4	3				Py		lt gn GY		
0.4	4						dk gn GY		
0.6	5				Py		dk gn GY		
0.6	6				Py		rd BR		
0.8	7				Py		gn GY		

Site 1061 Hole D Core 18H

Cored 153.2-162.7 mbsf

1061D-18H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1									<p>CLAY and CLAY WITH SILT</p> <p>General Description: This core contains dark olive gray (5Y 3/1) to greenish gray (5GY 5/1) CLAY and greenish gray (5G 5/1) CLAY WITH SILT. In Sections 1-4 the CLAY WITH SILT is commonly interbedded with light greenish gray (5GY 8/1) NANNOFOSSIL CLAY, and contacts between lithologies are generally sharp. Thin (1-2 cm) very light gray (N8) SILT laminae are present in Sections 5 and 6. In Sections 7 and CC, black laminae containing FeS minerals are pervasive.</p>
2							gn GY lt gn GY		
3							SS		
4							gn GY lt gn GY		
5							lt gn GY		
6							br GY		
7							gn GY		
8							SS SS		
9							dk ol GY		
10									

Site 1061 Hole D Core 19X

Cored 162.7-165.7 mbsf

1061D-19X

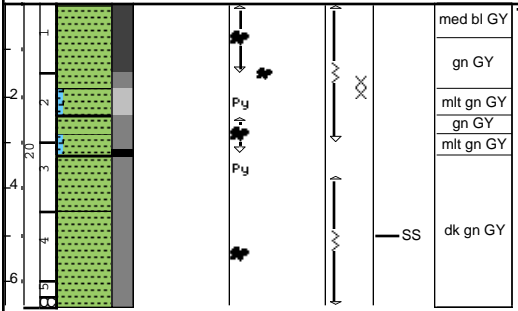
METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
								dk gn GY	<p>CLAY</p> <p>General Description: The core is dominated by dark greenish gray CLAY. Both pyrite concretions and iron sulfide staining are very common. Bioturbation is abundant.</p>

Site 1061 Hole D Core 20X

Cored 165.7-170.7 mbsf

1061D-20X

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0									<p>CLAY</p> <p>General Description: The dominant lithology is dark greenish gray CLAY with short intervals of medium light greenish gray CLAY WITH NANNOFOSSILS in Sections 2 and 3. Sparse iron sulfide staining is present throughout. Bioturbation is generally moderate and drilling disturbance moderate to heavy.</p>
1								med bl GY	
2								gn GY	
3								mlt gn GY	
4								gn GY	
5								mlt gn GY	
6								dk gn GY	
								SS	



med bl GY

gn GY

mlt gn GY

gn GY

mlt gn GY

dk gn GY

SS

Site 1061 Hole D Core 21X

Cored 170.7-175.2 mbsf

1061D-21X

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
							<p>mdk gn GY</p> <p>mlt gn GY</p> <p>gn GY</p> <p>..</p>		<p>CLAY, NANNOFOSSIL CLAY, and CLAY WITH SILT</p> <p>General Description: The core contains medium dark greenish gray (5GY 5/1) CLAY, medium light greenish gray (5GY 7/1) to light yellowish gray (5Y 7/3) NANNOFOSSIL CLAY, and dark greenish gray (10GY 4/2) CLAY WITH SILT. The core is heavily biscuitied, with biscuits commonly <3 cm thick and >3 cm apart.</p>

Site 1061 Hole E Core 1H

Cored 0.0-9.4 mbsf

1061E-1H

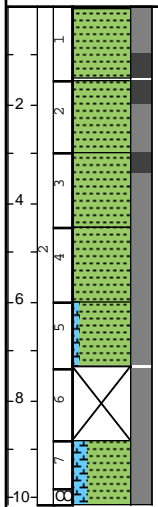
METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
0.0	1	CLAY, NANNOFOSSIL CLAY, and SILTY CLAY					br YE		<p>CLAY, NANNOFOSSIL CLAY, and SILTY CLAY</p> <p>General Description: This core contains grayish brown (5YR 3/2) NANNOFOSSIL CLAY, grayish brown (5YR 3/2) CLAY, and pale brown (5YR 5/2) SILTY CLAY. In Section 1 the NANNOFOSSIL CLAY is overlain by a yellowish brown (10YR 5/4) CLAY-NANNOFOSSIL MIXED SEDIMENT. Color variations occur throughout the core, including reddish brown (10R 4/6) intervals in Section 5. Distinctive FeS mottling is common in Sections 4-8.</p>
0.5	2						gy BR		
1.0	3						PAL		
1.5	4						dk gn GY		
2.0	5						rd GY		
2.5	6						dk BR BK		
3.0	7						pal BR		
3.5	8								
4.0	9								
4.5	10								

Site 1061 Hole E Core 2H

Cored 9.4-18.9 mbsf

1061E-2H

METERS	CORE AND SECTION	LITHOLOGY	BIOTURBATION INTENSITY	PHYSICAL STRUCTURES	ACCESSORIES	CORE DISTURBANCE	SAMPLES	COLOR	REMARKS
1								dk BR	<p>CLAY and NANNOFOSSIL CLAY</p> <p>General Description: This core contains moderate brown (10YR 5/3) CLAY and light brownish gray (10YR 6/2) NANNOFOSSIL CLAY. In Section 5 the dominant lithology is a light brownish gray (10YR 6/2) CLAY WITH NANNOFOSSILS. Variegated diagenetic laminae are present throughout core with 2-3 bands per section. All color variations are highly gradational.</p> <p>Section 6 lost due to a crushed liner.</p>
2							vdk BR		
3							med BR		
4							med BR		
5							med BR		
6							med BR		
7							lt br GY		
8							lt gn GY		
9									
10									



Py



IW
SS
IW
IW
IW
IW
IW
SS

dk BR
vdk BR
med BR
med BR
med BR
lt br GY
lt gn GY