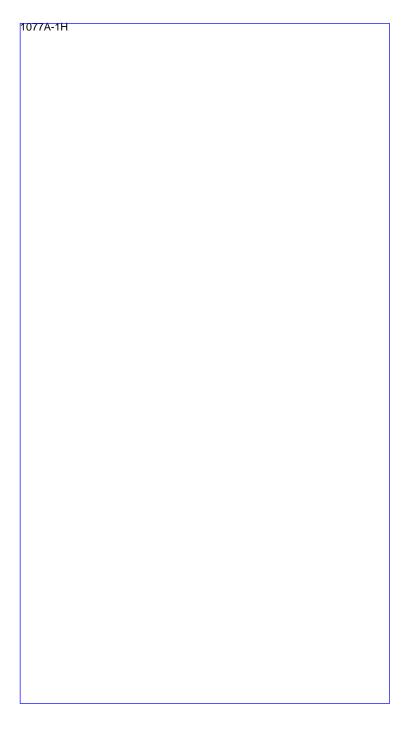
	1077A-1H 0.0-5.0 mbsf								
Ļ	eg 175	Site	1077	7 Hol	e A	Core 1	Н		
METERS	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
-2-	2 2 1	*	Ŷ				>%	— SS — IW — SS	DIATOM-RICH CLAY The core consists of an olive gray (5Y 4/2) and dark gray (5Y 4/1) DIATOM-RICH CLAY. The upper 40 cm of the core are soupy and moderately disturbed. Small voids caused by gas expansion exist thoughout the core.

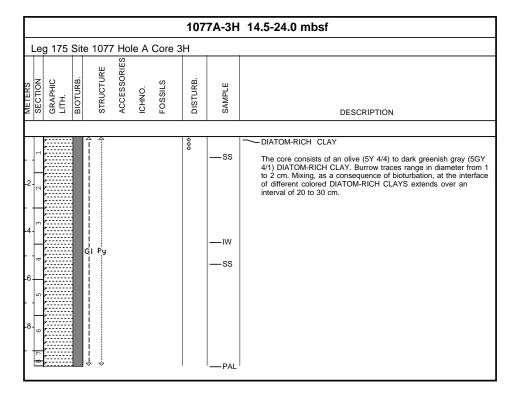




SITE 1077

	1077A-2H 5.0-14.5 mbsf								
L	.eg 175	Site	e 107	77 Ho	le A	Core 2	2H		
METERS	SECTION GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
Г	•								
-2-	2 3 2 1		Ф				> 00	— \$\$ — \$\$ — IW — \$\$ — PAL	The core consists of dark gray (5Y 4/1) and olive gray (5Y 4/2) DIATOM-RICH CLAY. Moderate bioturbation occurs throughout the core. Pteropods and shell fragments are common. Framboidal pyrite appears in this core.

1077A-2H



1077A-3H

	1077A-4H	24.0-33.5 mbsf
Leg 175 Site 1077 Hole A	ore 4H	
METERS SECTION GRAPHIC LITH. BIOTURB. STRUCTURE ACCESSORIES	FOSSILS DISTURB.	DESCRIPTION
2-104	— IW — SS — PAL	DIATOM-BEARING CLAY and DIATOM-BEARING, NANNOFOSSIL-RICH CLAY The core consists of a moderately bioturbated, olive (5Y 4/4) and dark greenish gray (5GY 4/1) DIATOM-BEARING CLAY and DIATOM-BEARING, NANNOFOSSIL-RICH CLAY. There is a gradual transition from the DIATOM-RICH CLAY of Core 3H to DIATOM-BEARING NANNOFOSSIL-RICH CLAY of this core, and a gradual transition from DIATOM-BEARING CLAY (Section 6, 7) to NANNOFOSSIL-RICH, DIATOM-BEARING NANNOFOSSIL-RICH CLAY.

1077A-4H

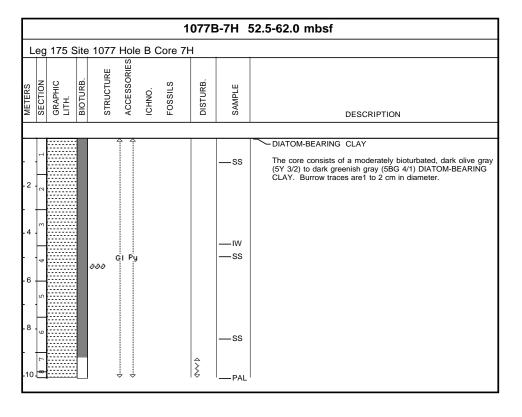
								107	7A-5H	33.5-43.0 mbsf
Le	eg 1	75 S	Site	1077	Hole	е А (Core 5	H		
METERS	GRAPHIC	ПТН.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
.4.			G	Ā				\$***\$	—\$\$ —\$\$ —IW	DIATOM-BEARING CLAY and DIATOM- AND NANNOFOSSIL-RICH CLAY The core consists of a moderately bioturbated, olive (5Y 4/4) and dark greenish gray (5GY 4/1), DIATOM-BEARING CLAY and DIATOM- AND NANNOFOSSIL-RICH CLAY. There is a gradual transition from DIATOM-BEARING, NANNOFOSSIL-RICH CLAY at the base of Core 4H to the DIATOM-BEARING CLAY of this core, and a gradual transition (Sections 5) from the DIATOM-BEARING CLAY to DIATOM- AND NANNOFOSSIL-RICH CLAY. Burrow traces are 1 to 2 cm in diameter. Rare, whitish-gray nodules, 0.2 mm in diameter, are disseminated throughout Section 5.

SITE 1077

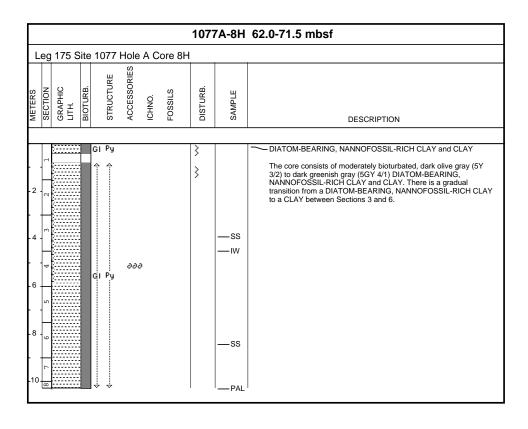
1077A-5H

	1077A-6H	43.0-52.5 mbsf
Leg 175 Site 1077 Hole A Core 6	H	
METERS SECTION GRAPHIC LITH. BIOTURB. STRUCTURE ACCESSORIES ICHNO. FOSSILS	DISTURB. SAMPLE	DESCRIPTION
	}	— DIATOM- AND NANNOFOSSIL-RICH CLAY AND NANNOFOSSIL-RICH CLAY
2-100	—ss	The core consists of a moderately bioturbated, dark blue gray (5B 4/1) to dark olive gray (5Y 3/2) DIATOM- AND NANNOFOSSIL-RICH CLAY and greenish gray (5GY 5/1) NANNOFOSSIL-RICH CLAY. Burrow traces range in diameter from 1 to 3 mm. In Section 5, 86 cm, there is a moderately bioturbated 20 cm thick interval of greenish gray (5GY 5/1)
4. m	—ıw	NANNOFOSSIL-RICH CLAY.
-6 —	—ss	
	—SS —PAL	

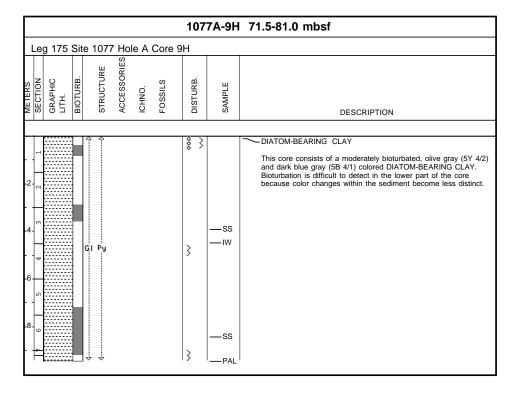
1077A-6H



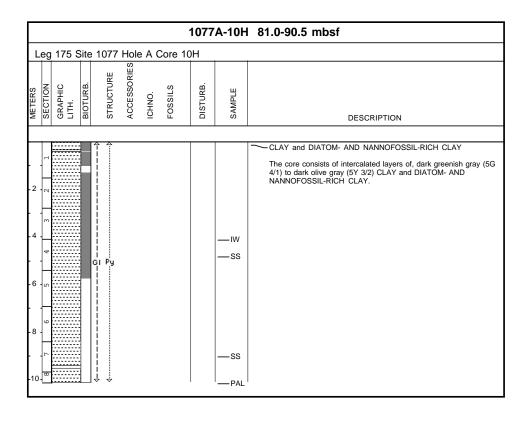
1077A-7H



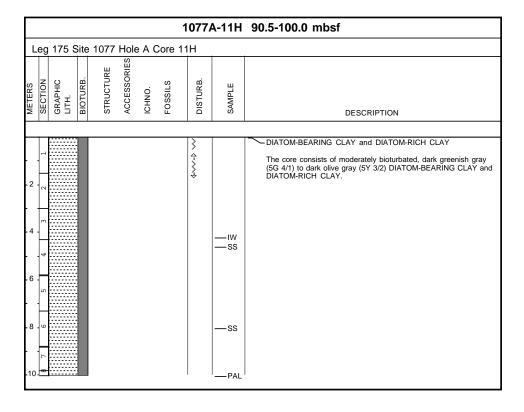
1077A-8H



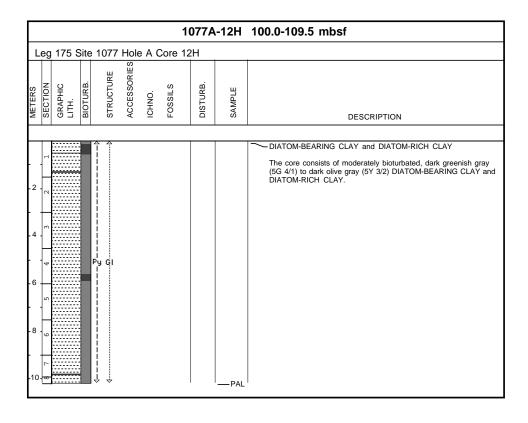
1077A-9H



1077A-10H



1077A-11H



1077A-12H

						1	1077A	-13H	109.5-119.0 mbsf
Lec	175 S	Site	1077	Hole	A C	Core 1	3Н		
METERS	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
L.,		-	_				_		
-2 - _N			<u> </u>	Δ				— ss — ss — ss	DIATOM-RICH CLAY and NANNOFOSSIL-BEARING CLAY The core consists of moderately bioturbated dark greenish gray (5G 4/1) and dark olive gray (5Y 3/2) DIATOM-RICH CLAY and NANNOFOSSIL-BEARING CLAY. Extensive bioturbation occurs in Section 2, 50-75 cm, Section 3, 10-60 cm, and Section 4, 100-130 cm. Wood fragments occur in Section 5, 12-16 cm. A sharp color transition from dark greenish gray to olive gray pyrite- and DIATOM-RICH CLAY occurs in Section 3, 42 cm.
-8 -9 12				<u>G</u>				—ss	

1077A-13H

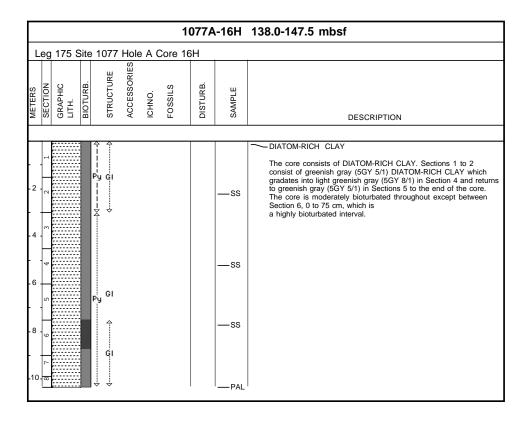
									1077	\-14H	119.0-128.5 mbsf
Ļ	_eç	175	Site	e 10	077	Hole	e A (Core 1	4H		
METERS	SECTION	GRAPHIC LITH.	BIOTURB.		STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
-4-	7 6 5 4 3 2 1				4P9				>	— \$\$ — \$\$ — IW — \$\$	DIATOM-BEARING CLAY, DIATOM-RICH CLAY and DIATOMACEOUS CLAY The core consists of a DIATOM-BEARING CLAY, DIATOM-RICH CLAY and DIATOMACEOUS CLAY. Sections 1 and 2 consist of moderately bioturbated dark olive gray (5Y 3/2) DIATOM-BEARING CLAY which grades into moderately bioturbated gray green (10G 4/2) DIATOM-RICH CLAY in Section 3 and highly bioturbated olive gray (5Y 4/2) DIATOMACEOUS CLAY in Sections 4 to 6.

1077A-14H

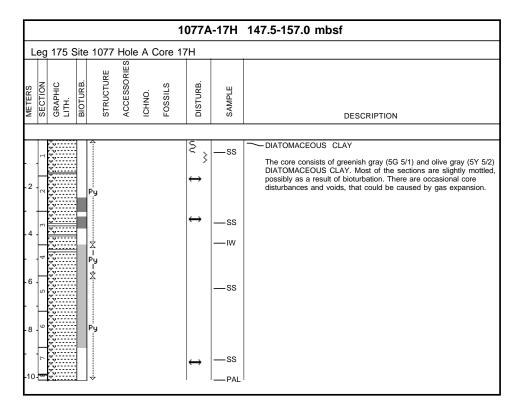
1077A-15H 128.5-138.0 mbsf											
Leg 175 Site 1077 Hole A Core 15	1										
METERS SECTION GRAPHIC LITH. BIOTURB. STRUCTURE ACCESSORIES ICHNO. FOSSILS	DISTURB.	DESCRIPTION									
——————————————————————————————————————											
	—ss	which gradates to moderately bioturbated grayish green (10GY 5/2) DIATOM-BEARING CLAY in Section 3 and down to Section 4, 60 cm, and Sections 6 to the core catcher. From Section 4, 60 cm to the end of Section 5 are highly bioturbated olive gray (2Y 4/2) DIATOM-RICH CLAY.									
6 — SS — SS — SS — Py											
-10 GI	—ss —pal										

SITE 1077

1077A-15H



1077A-16H

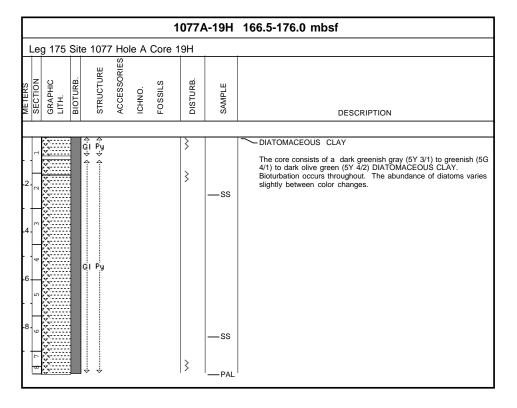


SITE 1077

1077A-17H

1077A-18H									\-18H	157.0-166.5 mbsf
	Le	g 175	Sit	e 1077	7 Hol	e A	Core 1	8H		
METERS	SECTION	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
L	_			Δ						
	1	/V						000		DIATOMACEOUS CLAY
- -2	2	/ V · · · · · · · · · · · · · · · · · ·						< →		The core is a dark greenish gray (5G 4/1), greenish gray (5G 5/1), and dark olive gray (5Y 3/2) DIATOMACEOUS CLAY. Mottling is moderate throughout the core. There is a distinct change in color in Section 4, at 30 cm.
-4	3	/ V		Py						
6 - 2										
- -8	6 5	/ V								
	8 7	/ V / V / V / V		\$				\leftrightarrow	—PAL	

1077A-18H



SITE 1077

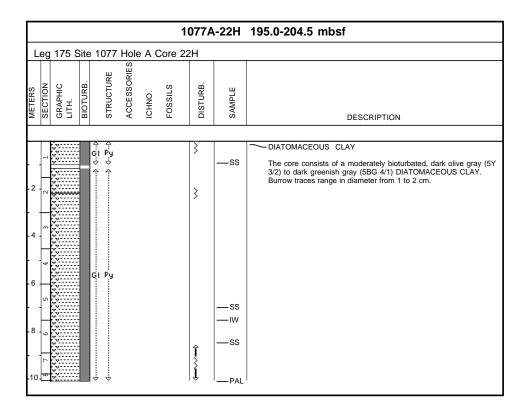
1077A-19H

1077A-20H								176.0-185.5 mbsf
Leg	175 S	ite 10	77 Hc	le A	Core 2	20H		
METERS	GRAPHIC LITH.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
		<u> </u>						DIATOMACEOUS CLAV
-2-2-2-8-0-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	GI Pi	ı			3 3	—ss —ıw —ss	The core consists of an olive gray (5Y 4/2) DIATOMACEOUS CLAY. Bioturbation exists throughout the core. Gas expansion voids exists at the bottom of the core.
8.9	V]				}	—PAL	

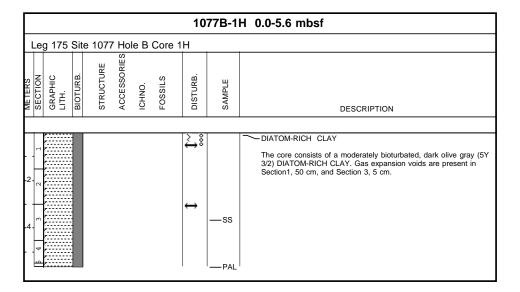
1077A-20H

	1077A-21H									-21H	185.5-195.0 mbsf
ī	eg	175 S	Site	1077	Hole	e A (Core :	21H			
METERS	SECTION	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS		DISTURB.	SAMPLE	DESCRIPTION
	1	, , , , , , , , , , , , , , , , , , ,						}			The core consists of an olive gray (5Y 3/2) to dark gray green
- 2	2	**************************************								—ss	(5GY 4/1) DIATOMACEOUS CLAY. Bioturbation exists throughout. Gas expansion voids are evident at the top and bottom of the core.
- 4	3	V V V V V V V V V V V V V V V V V V V		GI Py				<u>}</u>			
- 6 -	5 4	, , , , , , , , , , , , , , , , , , ,								—ss	
- 8 -	7 6	**************************************								—ss	
-10	<u>, </u>	,		.				}		—PAL	

1077A-21H



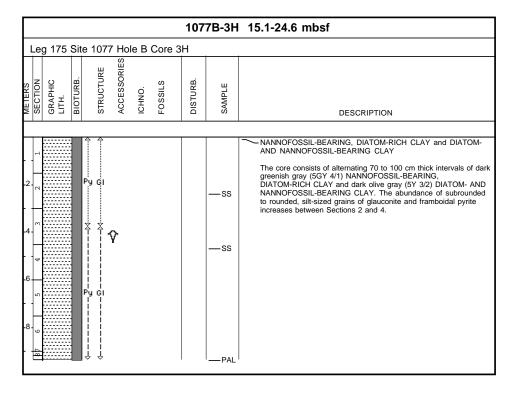
1077A-22H			
107771 2211			



1077B-1H

	1077B-2H 5.6-15.1 mbsf									
Ļ	eg 175	Site	107	7 Ho	le B	Core 2	2H			
METERS	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION	
-2-	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		A	Ŷ			000	—- SS	NANNOFOSSIL-BEARING, DIATOM-RICH CLAY The core consists of a moderately bioturbated, olive gray (5Y 5/1) to dark olive gray (5Y 3/2) colored NANNOFOSSIL-BEARING, DIATOM-RICH CLAY.	

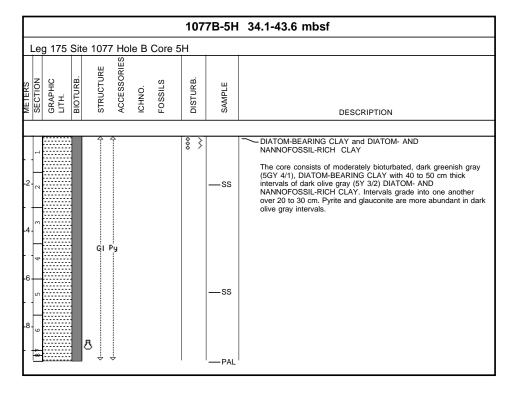
1077B-2H



1077B-3H

							107	7B-4H	24.6-34.1 mbsf
Le	g 175	Site	1077	Hole	В (Core 4	1		
METERS	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
-4- -6- -8-		F	4	000			>> 000	—SS	DIATOM-BEARING CLAY and NANNOFOSSIL-RICH, DIATOM-BEARING CLAY The core consists of a moderately bioturbated, dark greenish gray (57 3/2) DIATOM-BEARING CLAY with a 200 cm interval of dark olive gray (57 3/2) NANNOFOSSIL-RICH, DIATOM-BEARING CLAY which begins in the middle of Section 3. Shell fragments are present in Section 3, 42 cm.

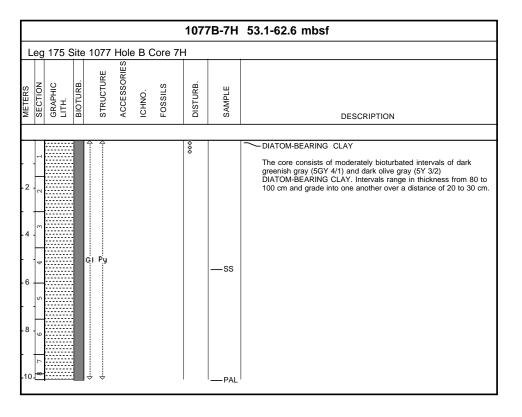
1077B-4H



1077B-5H

							107	7B-6H	43.6-53.1 mbsf
Le	eg 175	Sit	e 107	7 Ho	le B	Core 6	Н		
METERS	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
L,									
-4.			4					—ss —ss —pal	DIATOM- AND NANNOFOSSIL-RICH CLAY and DIATOM-BEARING CLAY The core consists of a moderately bioturbated, dark greenish gray (5GY 4/1), DIATOM- AND NANNOFOSSIL-RICH CLAY with 30 to 40 cm thick intervals of dark olive gray (5Y 3/2) DIATOM-BEARING CLAY. Intervals grade into one another over 20 to 30 cm. Pyrite and glauconite are more abundant in dark olive gray intervals. There is a 3 cm thick package of dark greenish gray clay with sharp lower and upper contacts in Section 5, 135 cm.

1077B-6H



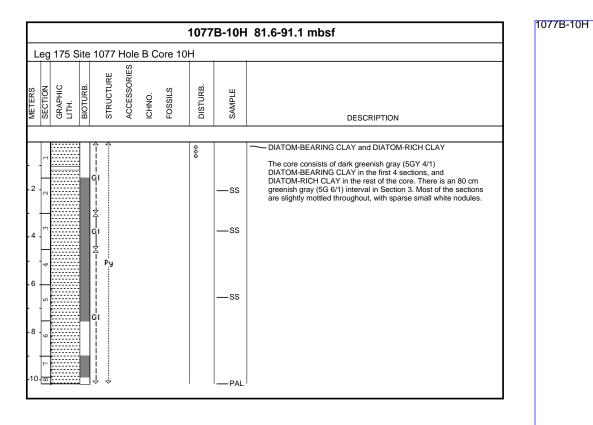
1077B-7H

								107	7B-8H	62.6-72.1 mbsf
L	.eg	175 9	Site	1077	Hole	В (Core 8	1		
METERS	SECTION	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
L										
- 2 - 4 - 6 - 8	8 7 6 5 4 3 2 1			ф					—— \$\$ 	The core consists of a moderately bioturbated, dark greenish gray (5GY 4/1) DIATOM-BEARING CLAY. The color is more homogeneous than in cores from the upper part of the section. Burrow traces range in diameter from 1 to 2 cm.

1077B-8H			

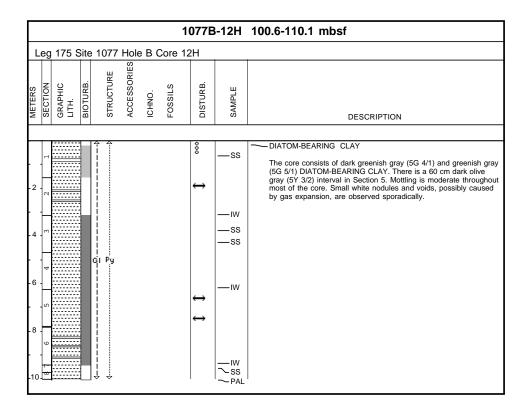
1077B-9H							107	7B-9H	72.1-81.6 mbsf
Le	g 175	Site	1077	Hol	е В	Core 9	Н		
METERS	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
.4. 8. 9		P	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	000				— SS	The core consists of a dark greenish gray (5G 4/1), dark olive gray (5Y 3/2), and greenish gray (5G 5/1) DIATOM-BEARING CLAY. A dark greenish gray (5G 4/1) interval extends from Section 1 to 4. A dark olive gray (5Y 3/2), 80 cm thick interval extends from the lower part of Section 5 to the upper part of Section 6. The rest of the core is greenish gray. Sections 5, 6, and 7 are burrow mottled.

1077B-9H

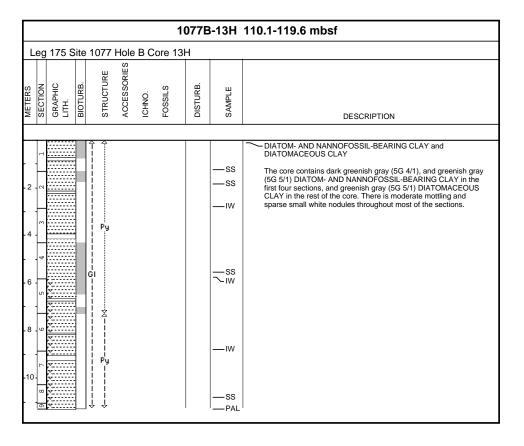


1077B-11H									3-11H	91.1-100.6 mbsf
L	_eg	175 8	Site	1077	Hole	в	Core '	11H		
METERS	SECTION	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
L	_		_	Δ Δ						
- 2 - 4 - 6 - 8	7 6 5 4 3 2			4					—ss —ss	The core consists of dark greenish gray (5G 4/1), and greenish gray (5G 5/1) DIATOM-BEARING CLAY. There is an interval of dark olive gray colored sediment between Section 4, 120 cm, and Section 5, 60 cm, which contains a higher abundance of diatoms, nannofossils and framboidal pyrite. Slight mottling and sparse small white nodules occur throughout the core.
-10)1ं∞		-	↓ ↓				l	PAL	

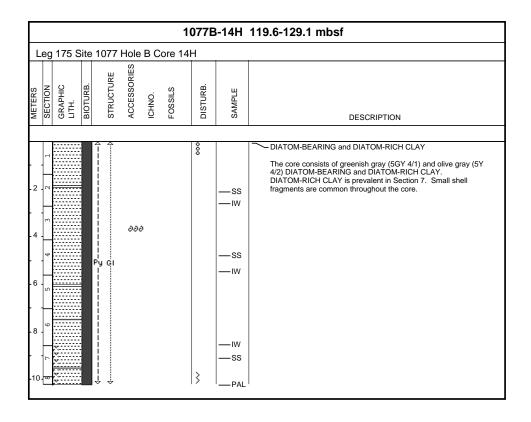
1077B-11H



1077B-12H



1077B-13H



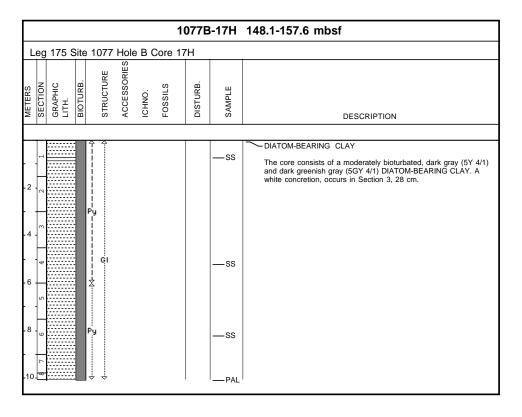
1077B-14H

							107	7B-15H	129.1-	138.6 mbsf
L	eg 175	Site	e 1077	Hole	е В	Core	15H			
METERS	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DIAGENESIS	DESCRIPTION
-4	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		{				}	— \$\$ ~ \$\$ — \$\$ — \$\$ — \$\$		The core consists of olive gray (5Y 4/2) and dark gray (5Y 4/1) DIATOM-RICH CLAY and greenish gray (5G 4/1) CLAY. A sharp color change occurs from greenish gray CLAY to olive gray DIATOM-RICH CLAY. The contact is only mildly bioturbated. Two additional, bioturbated contacts in Section 5 show color changes from dark greenish gray DIATOM-RICH CLAY to olive gray DIATOM-RICH CLAY.

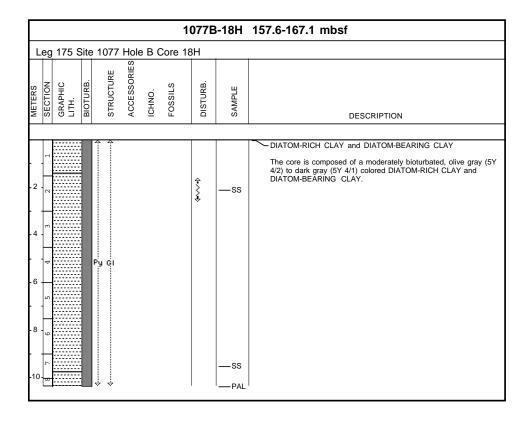
1077B-1	5H		
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1077B-16H								1	077E	3-16H	138.6-148.1 mbsf
	Le	g 175	Sit	e 10)77	Hol	е В	Core 1	6H		
METERS	SECTION	GRAPHIC LITH.	BIOTURB.		STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
L	_	····	-	^					1		DIATOM DIGIL GLAV
-2-4-6	4 3 2			△						—ss	DIATOM-RICH CLAY The core consists of moderately bioturbated, dark gray (5Y 4/1), olive gray (5Y 4/2), and dark greenish gray (5GY 4/1) DIATOM-RICH CLAY.
-8	8 7 6 5									—SS	

1077B-16H	
The state of the s	



1077B-17H



1077B-18H

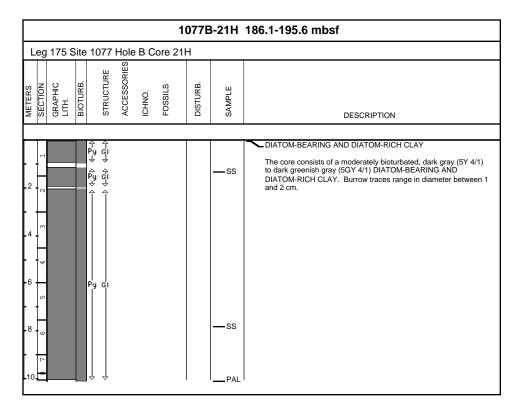
						1	077E	3-19H	167.1-176.6 mbsf
Le	g 175	Sit	e 1077	7 Hol	е В	Core 1	I9H		
SECTION	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
_			Δ Δ						PIATOM PEARING OLAY I PIATOM PIQUE OLAY
5 4 3 2 1								—ss	DIATOM-BEARING CLAY and DIATOM-RICH CLAY The core consists of a moderately bioturbated, dark olive gray (5Y 3/2) to dark greenish gray (5BG 4/1) DIATOM-BEARING CLAY and DIATOM-RICH CLAY.
9 1 8								—SS	
	5 4 3 2 1 SECTION	SECTION GRAPHIC LTH.	SECTION GRAPHIC LITH. BIOTURB.				SECTION SECTION GRAPHIC LTH. LTH. GRAPHIC GRAPHIC LTH. GRAPHIC CHINO. FOSSILS FOSSILS FOSSILS	Ted 142 Site 1014 Hole B Core 19H SECTION GRAPHIC LITH. BIOTURB. STRUCTURE ACCESSORIES PAGESSORIES POSSILS DISTURB.	The sample of the state of the

SITE 1077

1077B-19H

1077B-20H								3-20H	176.6-186.1 mbsf
eg 17	75 \$	Site	e 1077	Hole	е В	Core 2	20H		
GRAPHIC	LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
			<u> </u>					— SS	The core is consisted of a moderately bioturbated, dark gray (5Y 3/1) to dark olive gray (5Y 4/1) colored DIATOM-BEARING CLAY. Shell fragments are disseminated throughout the core.
	GRAPHIC	GRAPHIC LITH.	GRAPHIC LTH. LTH. BIOTURB.	GRAPHIC LITH. BIOTURB. BIOTURB. BIOTURB. BIOTURB. STRUCTURE	GRAPHIC LITH. BIOTURB. BI	GRAPHIC LITH BIOTURB. BIOTURB. BIOTURB. BIOTURB. BIOTURB. BIOTURB. BIOTURB. BIOTURB. COCESSORIES ACCESSORIES ICHNO. IC	GRAPHIC LITH. BIOTURB. LITH. BIOTURB. ACCESSORIES ACCESSORIES F. G.	GRAPHIC LITH. BIOTURB. LITH. BIOTURB. ACCESSORIES ACCESSORIES FOSSILS DISTURB.	SSAMPLE SAMPLE STANDARD STANDA

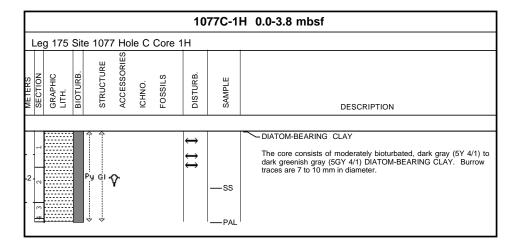
1077B-20H



1077B-21H

1077B-22H								3-22H	195.6-205.1 mbsf
Le	g 175	Site	1077	7 Ho	le B	Core 2	22H		
METERS	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
L_			Δ Δ						DIATOM DIGIL OLAY
-2 - 2			♦				}	—ss	DIATOM-RICH CLAY The core consists of a moderately bioturbated, dark gray (5Y 4/1) to dark greenish gray (5GY 4/1) DIATOM-RICH CLAY. Spotty shell fragments are randomly distributed downcore.
8 7 8 9			Py GI				3	—ss	
10			. ↓				1	PAL	

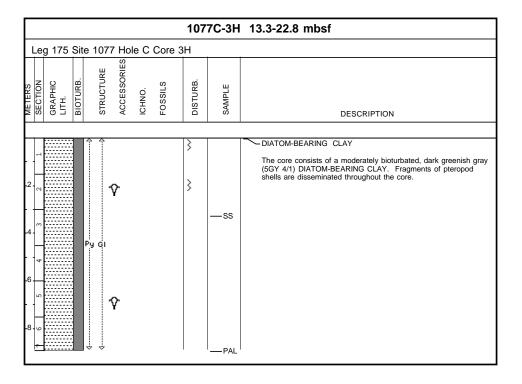
1077B-22H



1077C-1H

	1077C-2H 3.8-13.3 mbsf									
	Leg 175 Site 1077 Hole C Core 2H									
METERS	SECTION	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
- -2 -	43 2 1			4				↔ }	—SS	The core is composed by a moderately bioturbated, dark olive green (5Y 3/2) DIATOM-BEARING CLAY. Burrowing traces range in diameter from 1 and 2 cm thoughout the core.

1077C-2H



1077C-3H