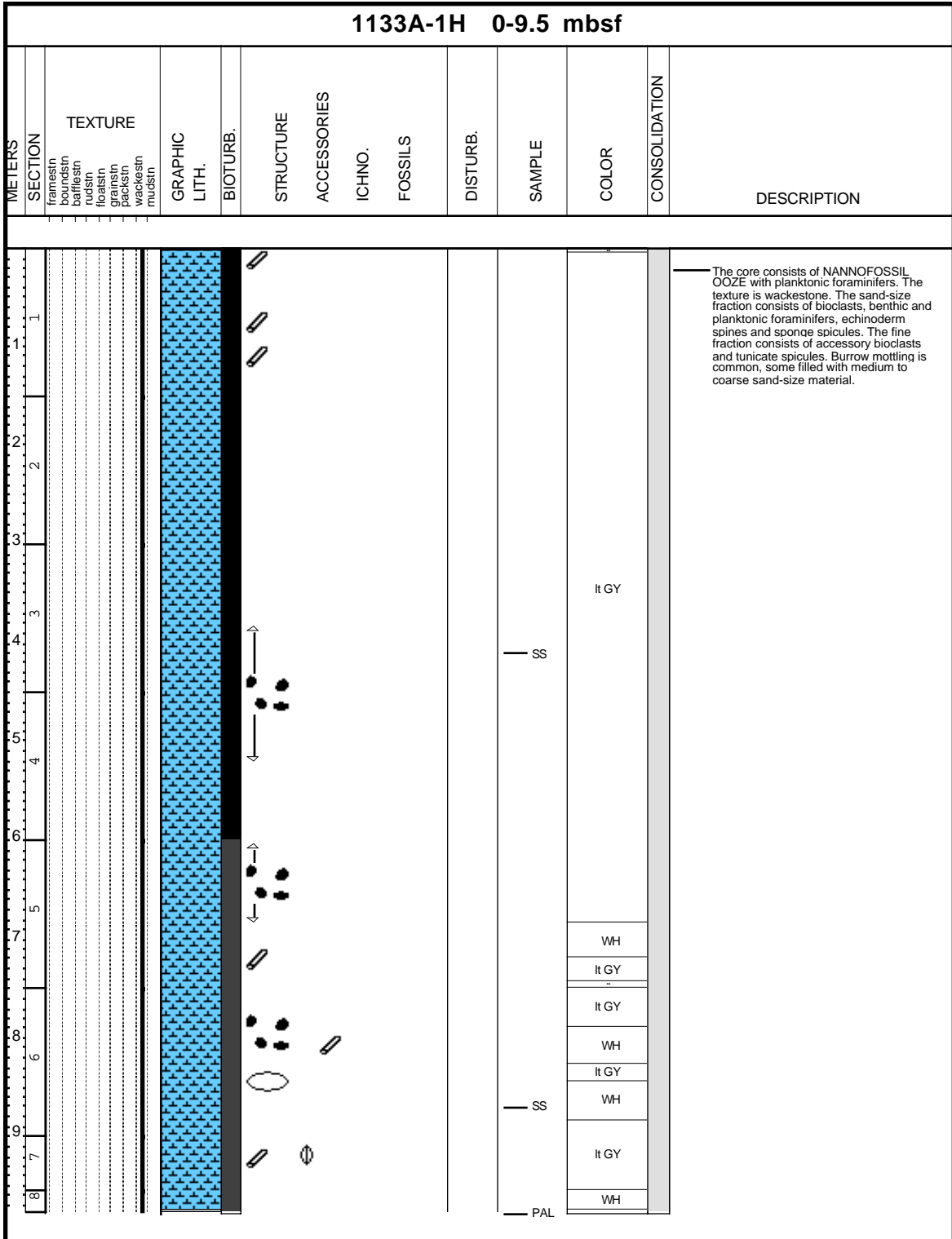
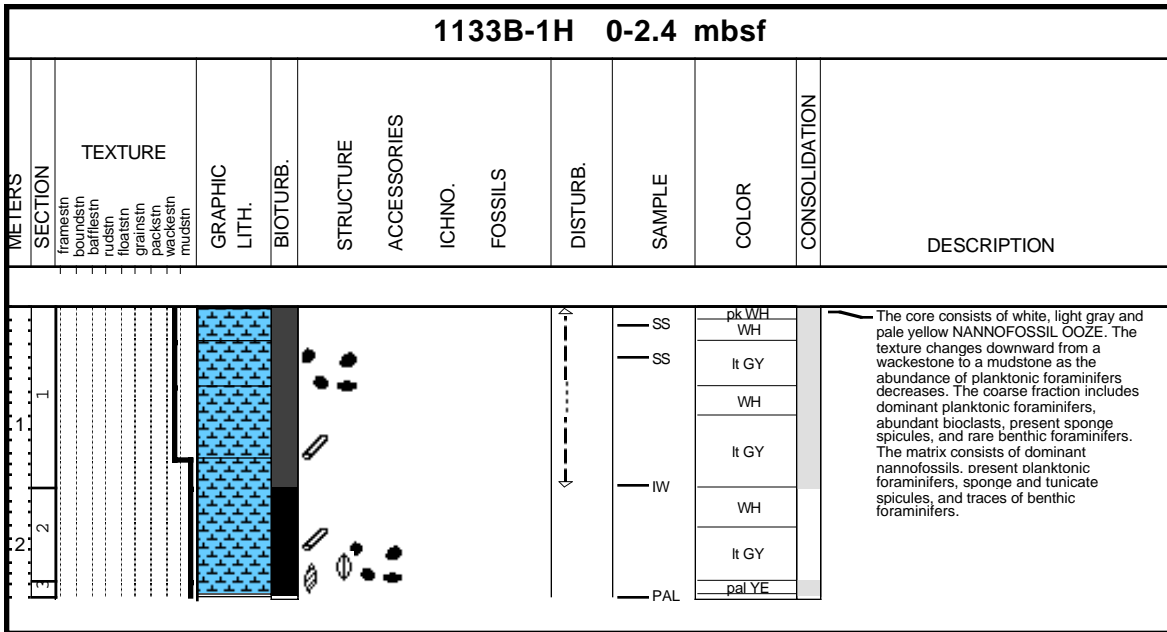


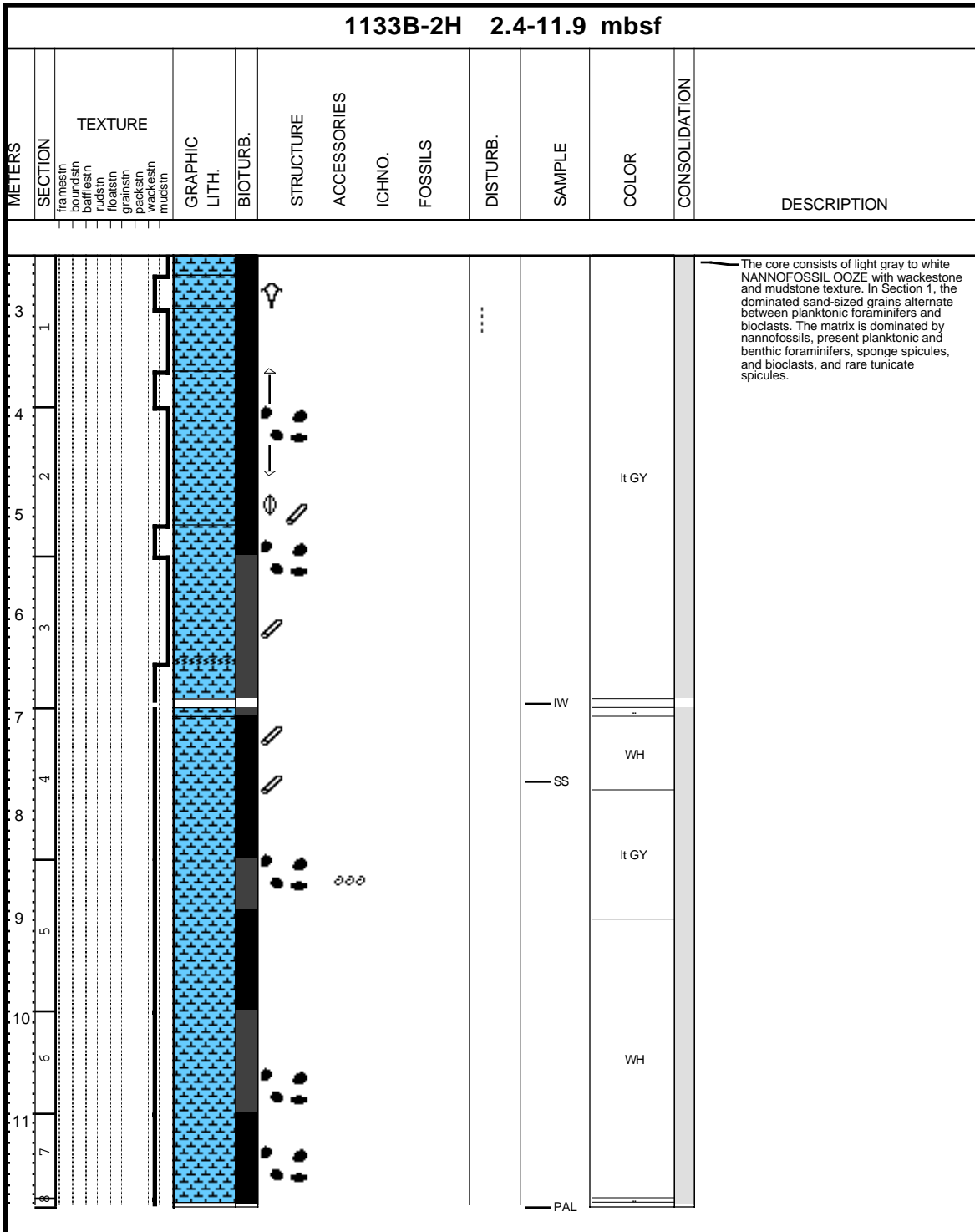
Core Photo



Core Photo

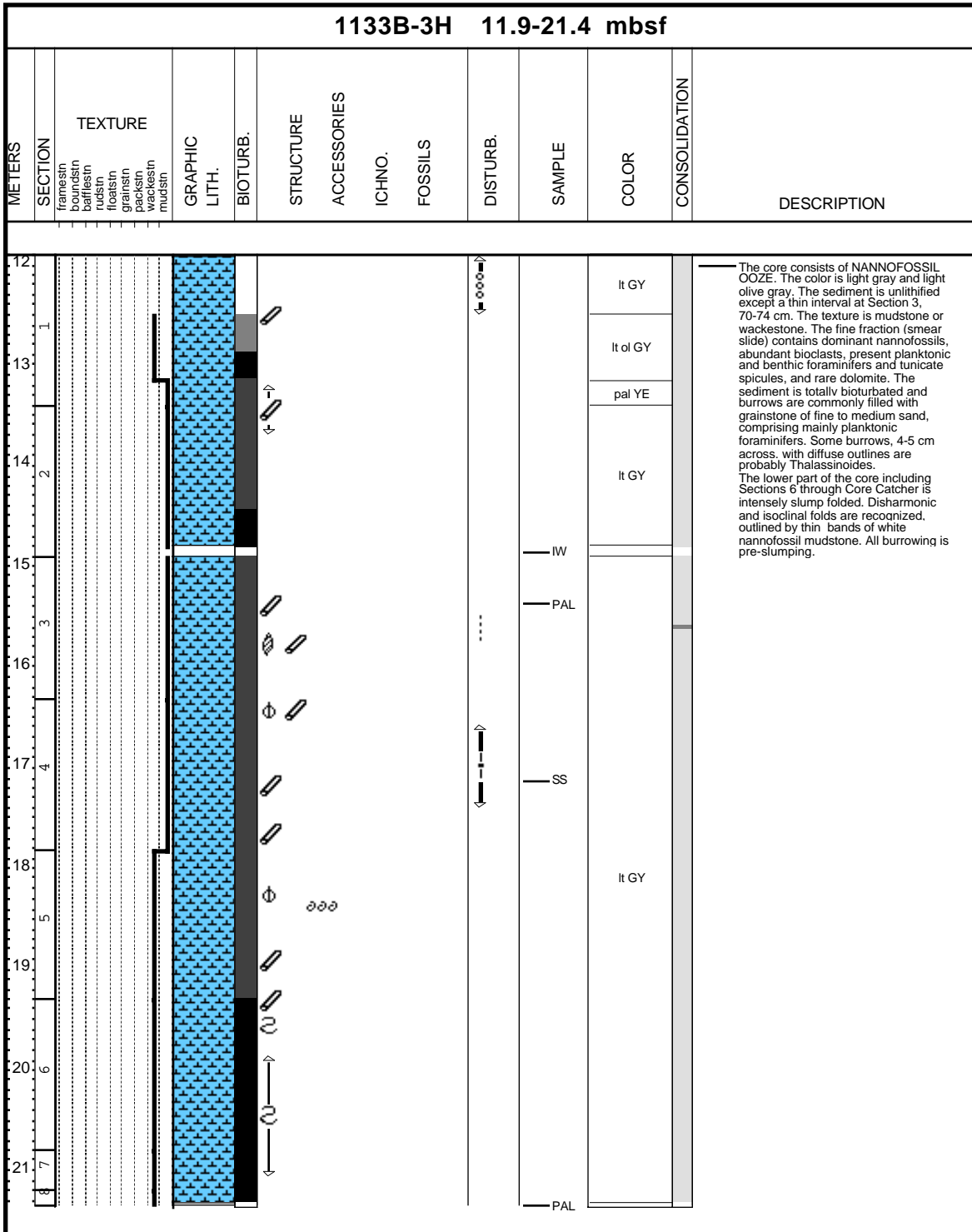


Core Photo

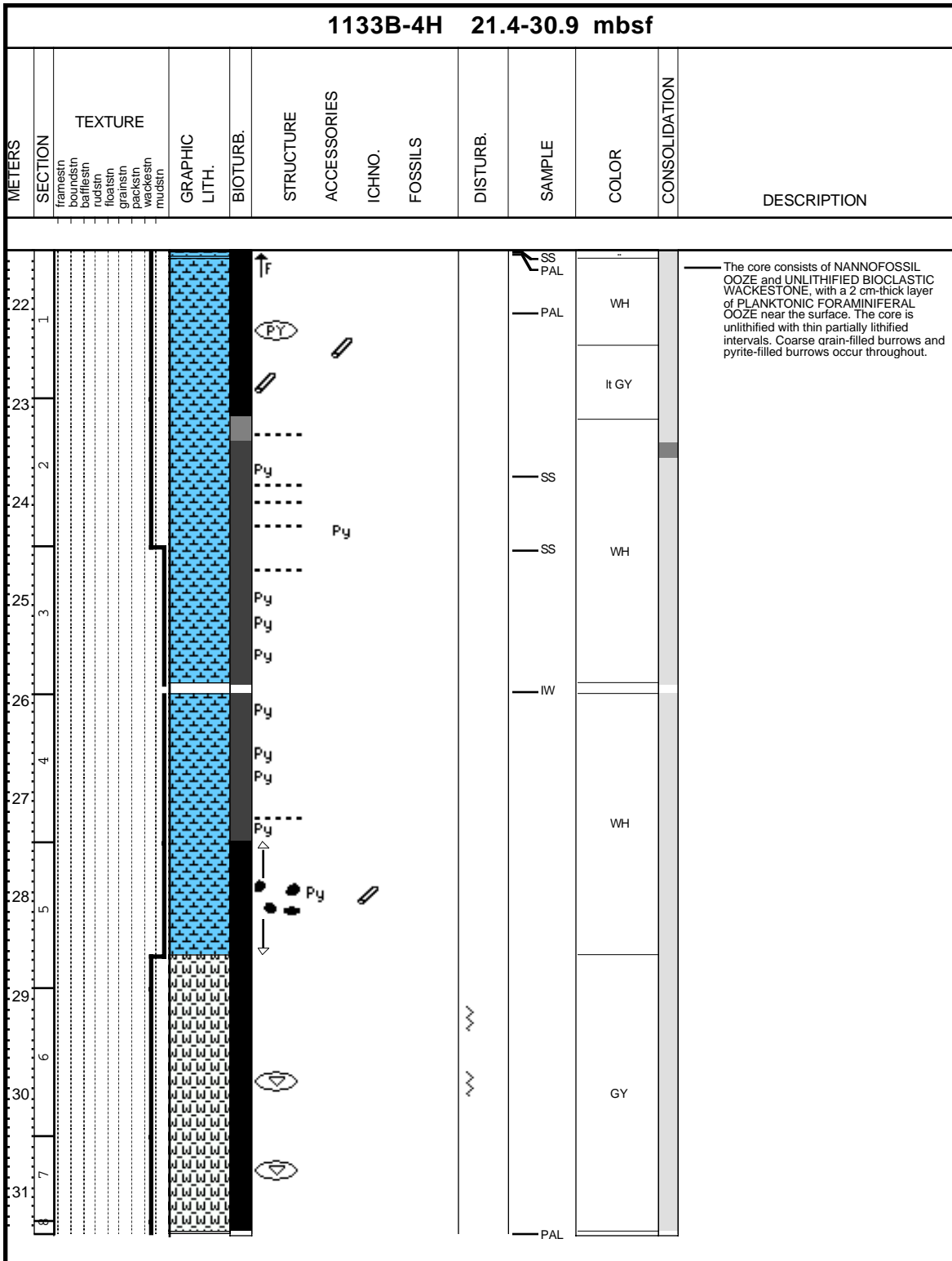


CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, SITE 1133

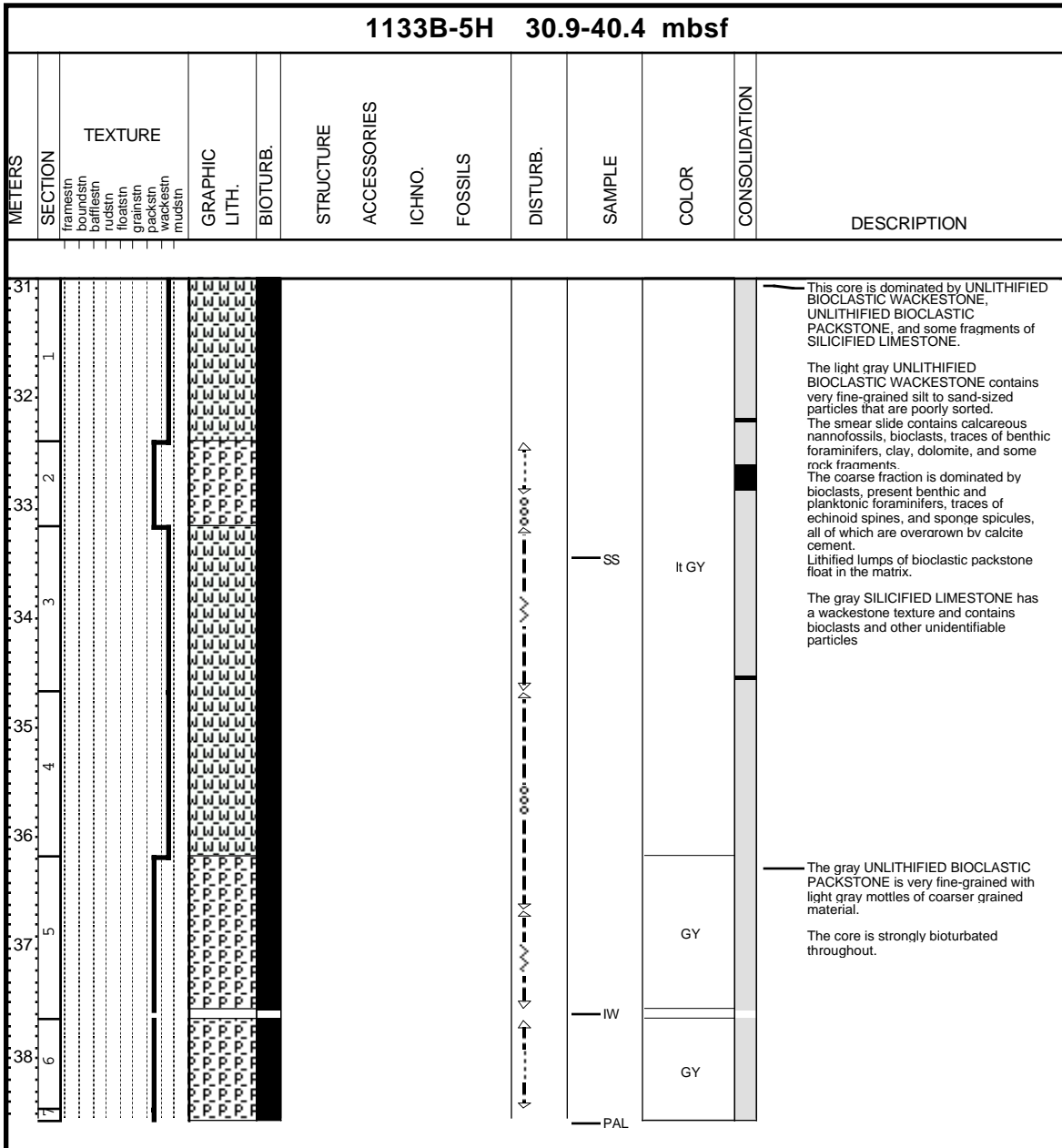
Core Photo




Core Photo





Core Photo



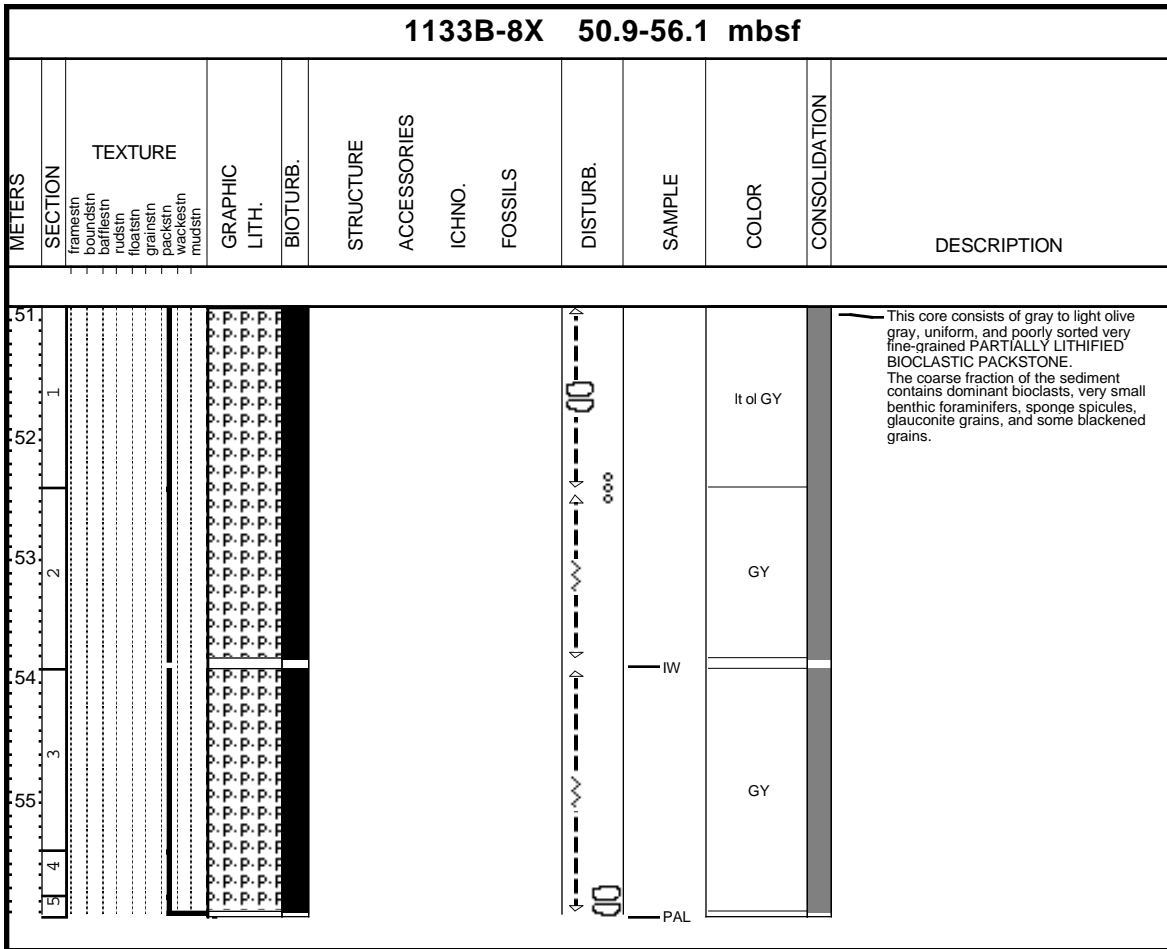
Core Photo

1133B-6H 40.4-49.9 mbsf													
METERS	SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHO.	FOSSILS	DISTURB.	SAMPLE	COLOR	CONSOLIDATION	DESCRIPTION
1									XX	PAL	dk GY		Fragments of dark gray SILICIFIED LIMESTONE draped with light gray BIOCLASTIC PACKSTONE containing glauconite, blackened and ? dolomite grains.

Core Photo

1133B-7H 49.9-50.9 mbsf													
METERS	SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	COLOR	CONSOLIDATION	DESCRIPTION
50.0	1									PAL	dk GY		Section 1: Downhole contamination consisting of dark gray fragments of porcellanite. Section 2: Fragments of silicified wackestone.

Core Photo

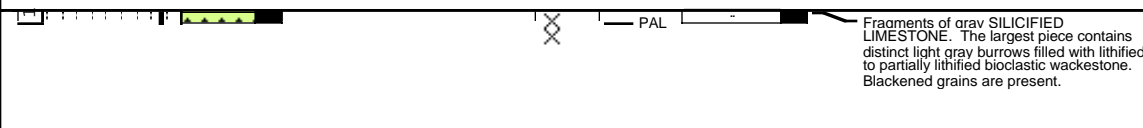


1133B-9X TO PALEO

Core Photo

1133B-10X 65.7-72.3 mbsf	
METERS	SECTION
	TEXTURE
	framesin boundstrn bafflestrn rudstrn floatstrn grainstrn wackestrn mudstrn
	GRAPHIC LITH.
	BIOTURB.
	STRUCTURE
	ACCESSORIES
	ICHNO.
	FOSSILS
	DISTURB.
	SAMPLE
	COLOR
	CONSOLIDATION
DESCRIPTION	
<p>Fragments of dark gray SILICIFIED LIMESTONE with wackestone texture.</p>	

Core Photo

1133B-11X 72.3-75.3 mbsf													
METERS	SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHO.	FOSSILS	DISTURB.	SAMPLE	COLOR	CONSOLIDATION	DESCRIPTION
													 <p>Fragments of gray SILICIFIED LIMESTONE. The largest piece contains distinct light gray burrows filled with lithified to partially lithified bioclastic wackestone. Blackened grains are present.</p>

1133B-12X TO PALEO

Core Photo

1133B-13X 84.9-94.5 mbsf													
METERS	SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHO.	FOSSILS	DISTURB.	SAMPLE	COLOR	CONSOLIDATION	DESCRIPTION
85	1	framesin boundsin bafflesin rudsin floatsin grainsin packsin wackesin mudsin											
86	2												<p>The core contains a gray uniform PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE. In addition to the bioclasts, glauconite, blackened grains, and minor benthic foraminifers occur. Particles are well-sorted and very fine to fine sand-sized.</p>

**CORE DESCRIPTIONS
 VISUAL CORE DESCRIPTIONS, SITE 1133**

Core Photo

METERS		1133B-14X 94.5-104.1 mbsf										
SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	COLOR	CONSOLIDATION	DESCRIPTION
	framesin boundsin bafflesin rudsin floatsin gratinsin kacksin mudsln											

XX

PAL

GY

This core contains downhole contamination consisting of gray PORCELLANITE fragments.

Core Photo

1133B-15X 104.1-113.7 mbsf													
METERS	SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHO.	FOSSILS	DISTURB.	SAMPLE	COLOR	CONSOLIDATION	DESCRIPTION
1													<p>The core contains downhole contamination consisting of a gray very fine-grained strongly bioturbated PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE and a gray PORCELLANITE.</p>

Core Photo

		1133B-16X 113.7-123.3 mbsf												
METERS	SECTION	TEXTURE		GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	COLOR	CONSOLIDATION	DESCRIPTION
		framesin	boundsin	ballinesin	rudsin	floatsin	grainsin	packsin	wackesin	mudsln				
1														This core contains downhole contamination consisting of gray BIOCLASTIC PACKSTONE and GRAINSTONE.

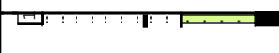
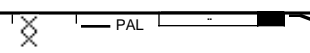
Core Photo

1133B-17X 123.3-132.9 mbsf													
METERS	SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	COLOR	CONSOLIDATION	DESCRIPTION
124.0	framesn foramsn buffsn rudsn foatsn grainsn packsn wackesn mudsn												<p>Fragments of gray, fine-grained SILICIFIED BIOCLASTIC PACKSTONE with traces of planktonic foraminifers and glauconite grains.</p> <p>This interval consists of gray, poorly sorted UNLITHIFIED BIOCLASTIC PACKSTONE with very fine sand to silt-sized particles which are neomorphosed.</p> <p>Fragments of gray BIOCLASTIC PACKSTONE with planktonic foraminifers. The cemented sediment further contains traces of glauconite and black grains.</p>

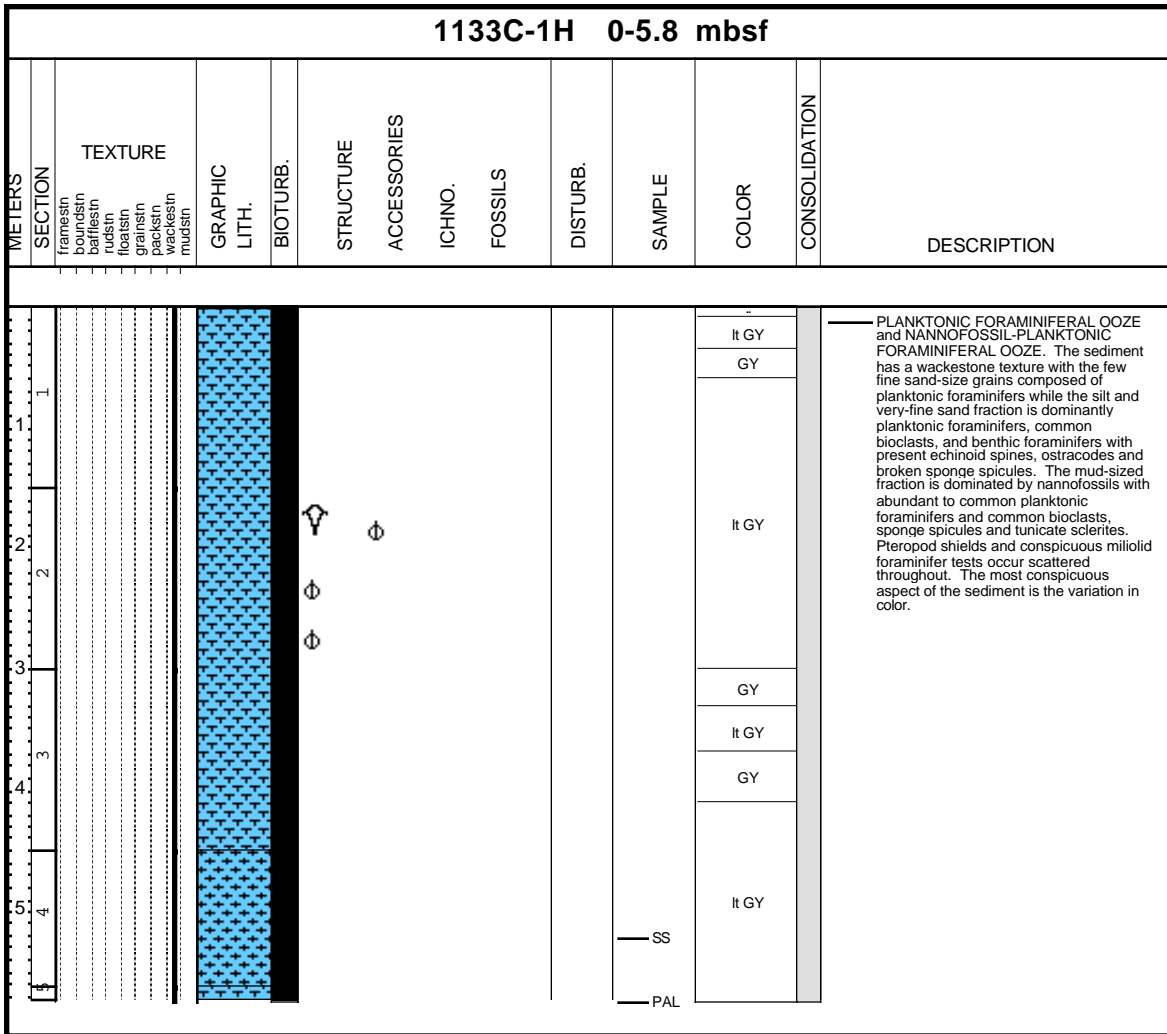
Core Photo

1133B-18X 132.9-142.5 mbsf													
METERS	SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	COLOR	CONSOLIDATION	DESCRIPTION
1133	framesin burfish bufflesin rudstin floaistin grainstin packstin wackstin mudstin										PAL dk GY		The Core Catcher consists of fragments of fine-grained BIOCLASTIC PACKSTONE/GRAINSTONE containing black particles, and a very dark gray PARTIALLY SILICIFIED LIMESTONE (chert).

Core Photo

1133B-19X 142.5-152.1 mbsf													
METERS	SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	COLOR	CONSOLIDATION	DESCRIPTION
		framesin boundstin bafflesin rudstin floatstin grainstin packstin mudstin											  <p>Fragments of very dark gray BIOCLASTIC PACKSTONE with small patches of partially silicified mudstone. It is highly altered and the grains not recognizable any more.</p>

Core Photo



Core Photo

1133C-2H 5.8-15.3 mbsf													
METERS	SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHO.	FOSSILS	DISTURB.	SAMPLE	COLOR	CONSOLIDATION	DESCRIPTION
6	1										lt GY		<p>NANNOFOSSIL OOZE WITH PLANKTONIC FORAMINIFERS and NANNOFOSSIL - PLANKTONIC FORAMINIFERAL OOZE. These fine-grained sediments have a wackestone texture. The sediment is mottled and there are several burrows filled with bioclastic packstone. Most grains are planktonic foraminifers with lesser benthic foraminifers, rare glauconitic grains and blackened particles. Conspicuous benthic foraminifers are scattered throughout.</p>
7											WH		
											lt GY		
											lt ol GY		
8	2										lt GY		
											lt ol GY		
											lt GY		
9											vlt GY		
											lt GY		
10	3										lt ol GY		
											lt GY		
											vlt GY		
11	4										pal YE		
											lt GY		
12											lt ol GY		
											lt GY		
13	5										lt ol GY		
											lt GY		
14	6										lt ol GY		
											lt GY		
15	7										lt ol GY		

CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, SITE 1133

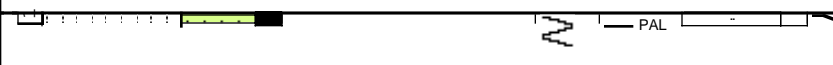
Core Photo

1133C-3H 15.3-24.8 mbsf													
METERS	SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	COLOR	CONSOLIDATION	DESCRIPTION
16	1												<p>NANNOFOSSIL OOZE and NANNOFOSSIL-PLANKTONIC FORAMINIFERAL OOZE. This sediment is characterised by rapid and dramatic color changes, generally across burrowed contacts. The sediment texture ranges from mudstone to wackestone. The coarser-grained intervals, generally confined to burrow fillings, contain proportionally more planktonic foraminifers and minor glauconite. One grainstone interval, at 102-105cm in section 5, is interpreted as a turbidite.</p>
										lt GY			
										lt ol GY			
										lt GY			
										WH			
										lt GY			
										WH			
										pal YE			
										WH			
										lt ol GY			
										WH			
										lt GY			
										WH			
										lt GY			
										WH			
17													
18	2												
19	3												
20	4												
21													
22	5												
23	6												
	7												
										PAL			

Core Photo

1133C-4H 24.8-34.3 mbsf													
METERS	SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHO.	FOSSILS	DISTURB.	SAMPLE	COLOR	CONSOLIDATION	DESCRIPTION
25	1												NANNOFOSSIL-PLANKTONIC FORAMINIFERAL OOZE. The texture varies from wackestone to mudstone. The sediment is mottled throughout but distinct burrows are visible.
26											WH		
27	2												Layers or horizontal burrows filled with UNLITHIFIED BIOCLASTIC PACKSTONE rich in planktonic foraminifers and glauconite grains.
28													UNLITHIFIED BIOCLASTIC WACKESTONE. The sediment is composed of silt to very fine sand-sized bioclasts, scattered planktonic foraminifers and mud. Small, mm-sized lithified lumps occur throughout. Small porcellanite fragments, likely caused by coring are scattered throughout. There is an overall fining-upward.
29	3												
30	4												
31	5												
32													
33	6												
34	7												
34	8												
										PAL			

Core Photo

1133C-5H 34.3-43.8 mbsf	
METERS	
SECTION	
TEXTURE	
fractesin boundstn bafflesin rudstn floatstn grainstn wadstn mudstn	
GRAPHIC LITH.	
BIOTURB.	
STRUCTURE	
ACCESSORIES	
ICHNO.	
FOSSILS	
DISTURB.	
SAMPLE	
COLOR	
CONSOLIDATION	
	DESCRIPTION
	
	Fragments of dark gray PORCELLANITE, silicified carbonate.

CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, SITE 1133

Core Photo

1133C-6H 43.8-53.3 mbsf														
METERS	SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	COLOR	CONSOLIDATION	DESCRIPTION	
44.0	1	framesin boundstn bafflesin rudstn floatsin grainsin packstn wackestn mudstn	[Graphic Lithology: Yellow triangles and circles]										<p>The upper part of section 1 contains downhole contamination consisting of PORCELLANITE.</p> <p>This core consists of a gray and uniform UNLITHIFIED BIOCLASTIC PACKSTONE. Bioclasts are silt to fine sand-sized. In addition to the bioclasts, the sediment contains sponge spicules and glauconite grains. Scattered throughout the core, there are up to 8 cm slightly stiffened intervals. The core is strongly bioturbated throughout, burrows appear as mottling.</p>	
45.0	2		[Graphic Lithology: Black solid block]											
46.0														
47.0	3		[Graphic Lithology: Yellow circles]											
<div style="display: flex; justify-content: space-between;"> PAL It ol GY </div>														

**CORE DESCRIPTIONS
SMEAR SLIDES, SITE 1133**

Sample								Lithology	Texture			Mineral						Biogenic							Rock		Comments
Leg	Site	Hole	Core	Type	Section	Top (cm)	Depth (mbsf)		Sand	Silt	Clay	Clay	Dolomite	Glauconite	Opauques	Pyrite	Quartz	Benthic Foraminifers	Coccoliths	Diatoms	Echinoid Spines	Planktonic Foraminifers	Radiolarians	Sponge Spicules	Tunicate spicules	Bioclasts	
182	1133	A	1	H	3	110.00	4.10	D										D			C		C	P	A		
182	1133	A	1	H	6	120.00	8.70	D										D			P		R	R	C		
182	1133	B	1	H	1	13.00	0.13	D										D			C		C	C	C		
182	1133	B	1	H	1	40.00	0.40	D										*	D		P		P	P	C		
182	1133	B	2	H	4	70.00	7.60	D										P	D		P		P	R	P		
182	1133	B	3	H	4	10.00	16.41	D				*						P	D		P		D	P	A		
182	1133	B	4	H	1	3.00	21.43	D				*						P	D		C	*	P	A	C		
182	1133	B	4	H	2	80.00	23.70	D				*						R	D		R		R		R		
182	1133	B	5	H	3	30.00	33.45	D				*	P					*	C						C	P	
182	1133	C	1	H	4	70.00	5.20	D										P	A		A		C	C	C		

Sample										Lithology		Texture					Mineral							Biogenic										Rock		Comments	
Leg	Site	Hole	Core	Type	Section	Top (cm)	Bottom (cm)	Depth (mbsf)		Mudstone	Wackestone	Packstone	Grainstone	Boundstone	Aragonite	Dolomite	Glauconite	Opalues	Phosphorite	Pyrite	Quartz	Benthic Foraminifers	Bivalves	Brachiopods	Diatoms	Echinoids	Nannofossils	Ostracodes	Planktonic Foraminifers	Radiolarians	Sponge Spicules	Bioclasts	Micrite				
182	1133	B	17	X	CC	67	69	123.97 - 123.99	D		X				A	*					*	P													A		silt-sized microbioclastic matrix; partially dolomitized