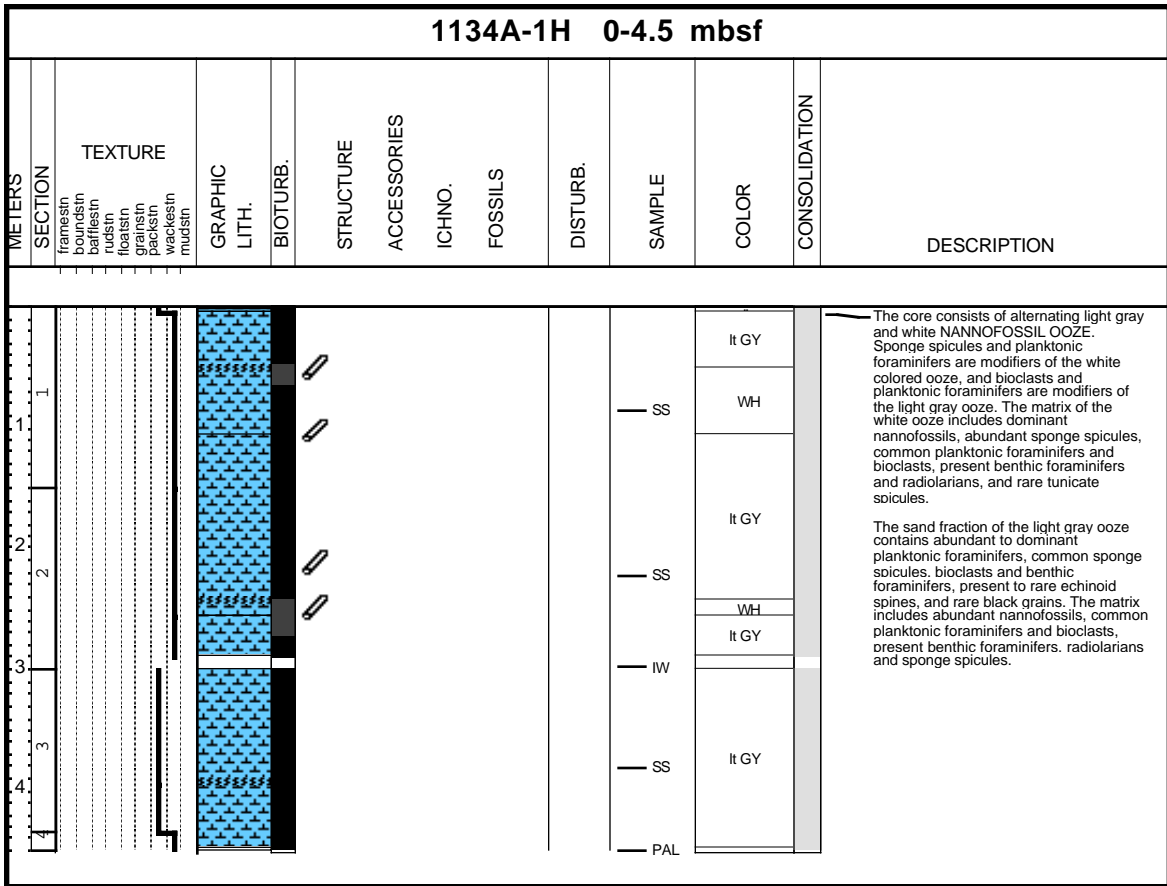
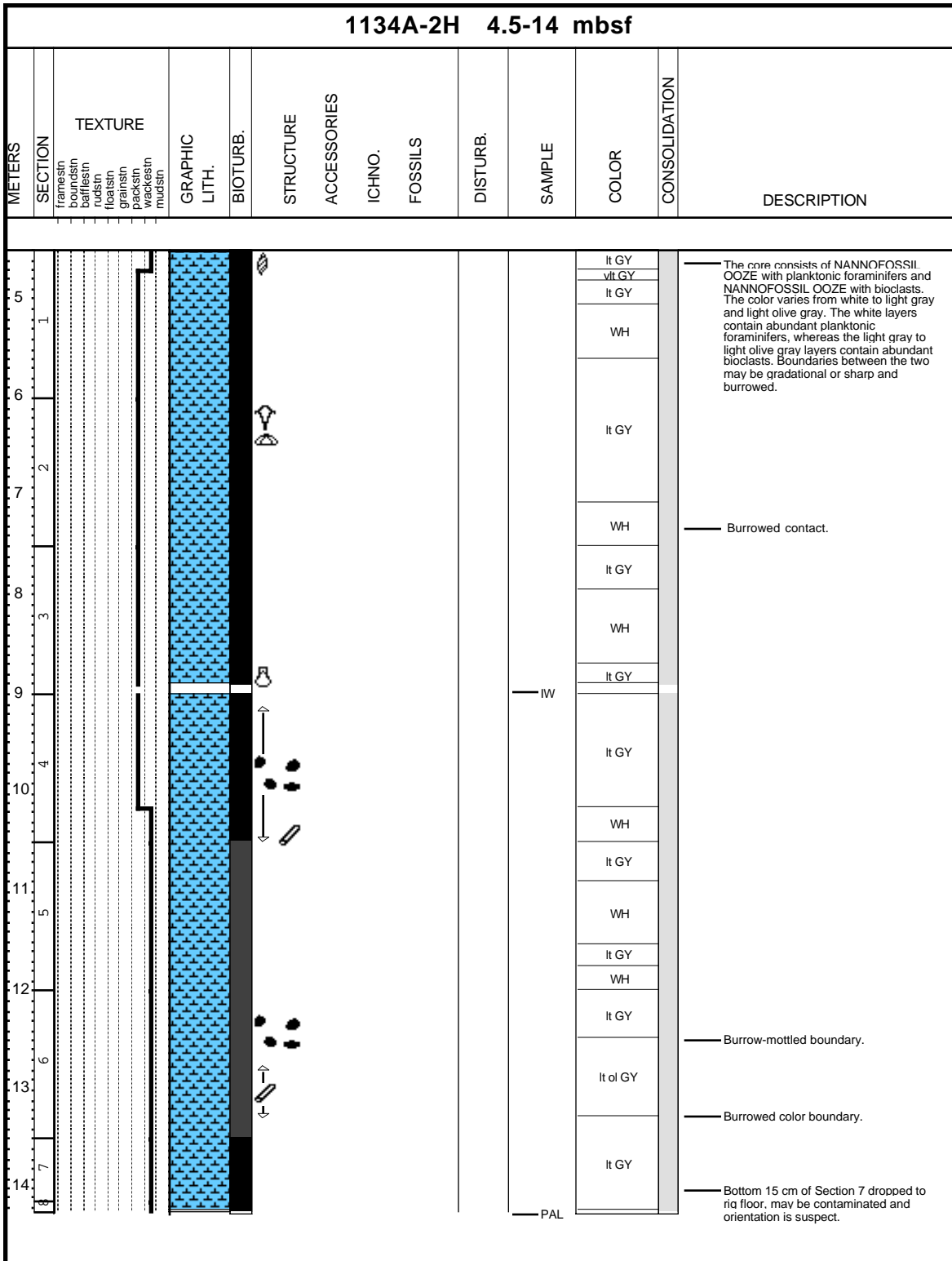


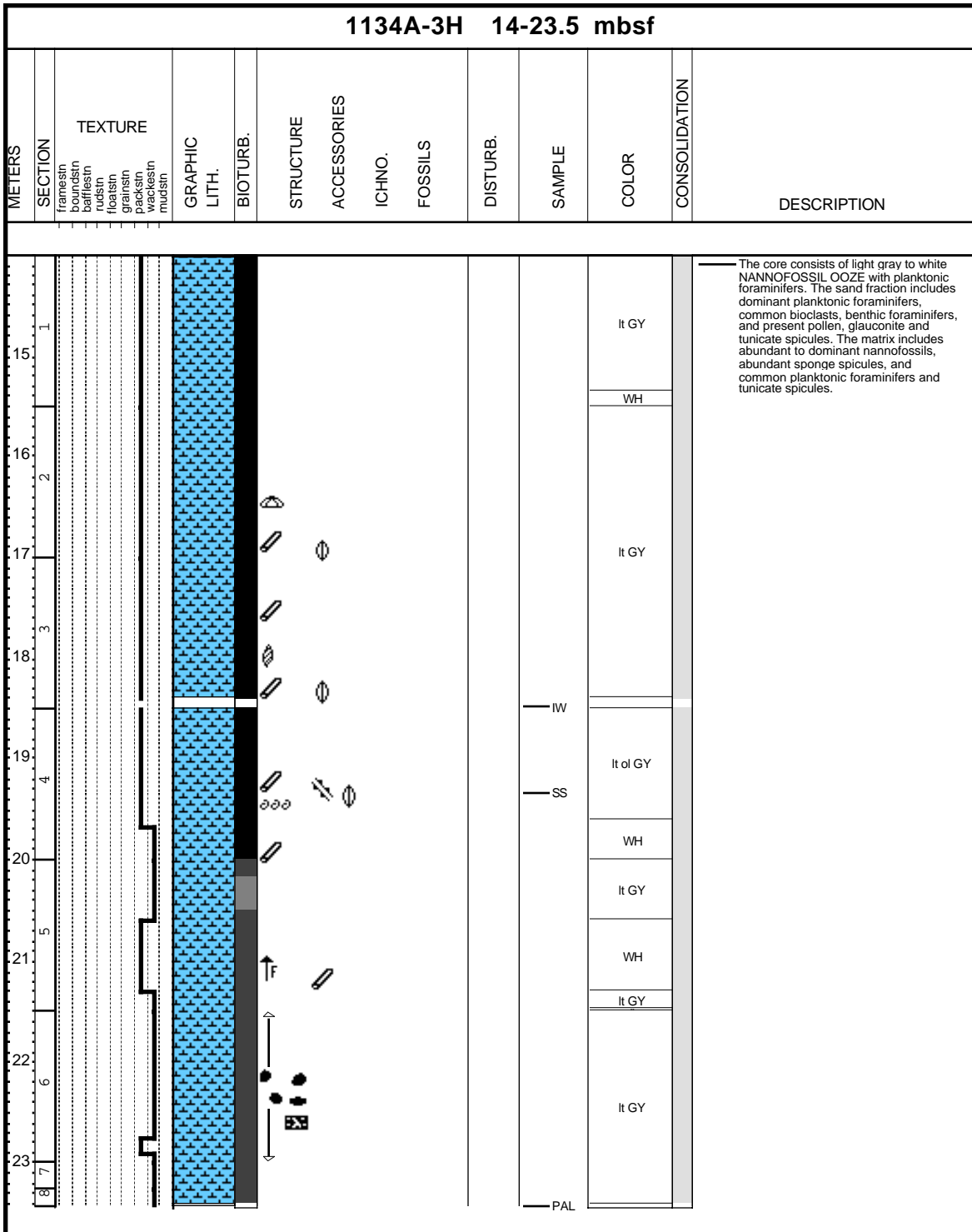
Core Photo



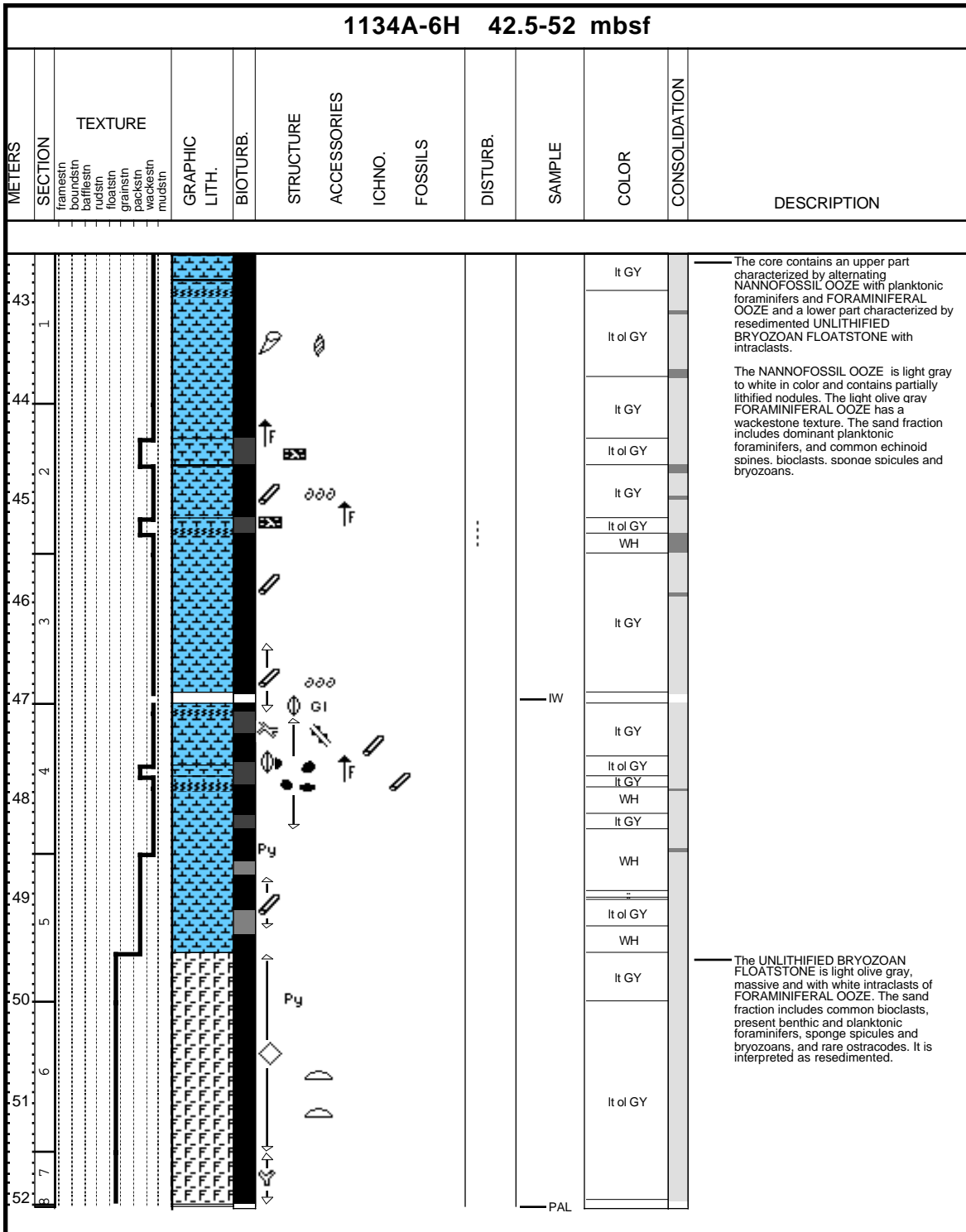
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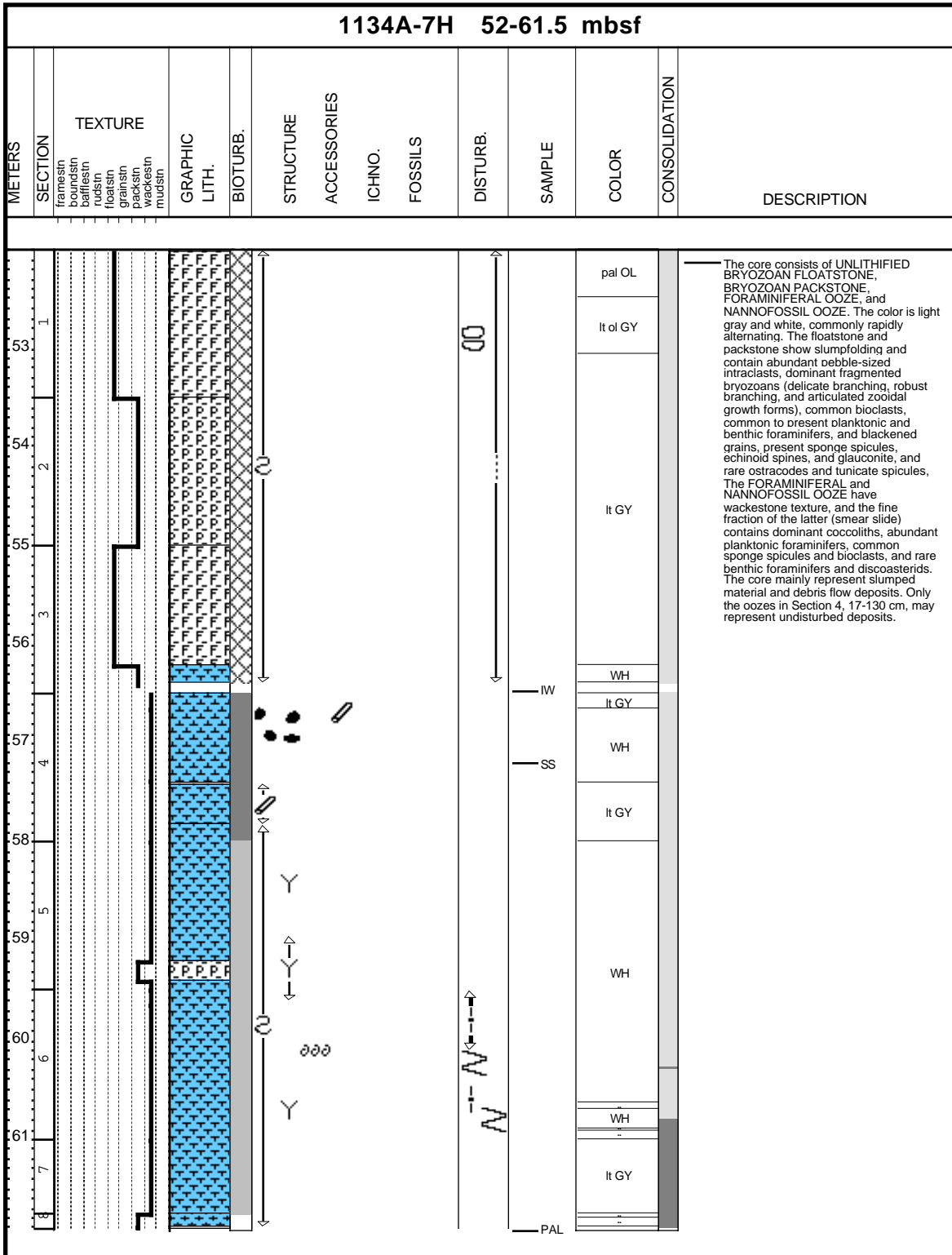
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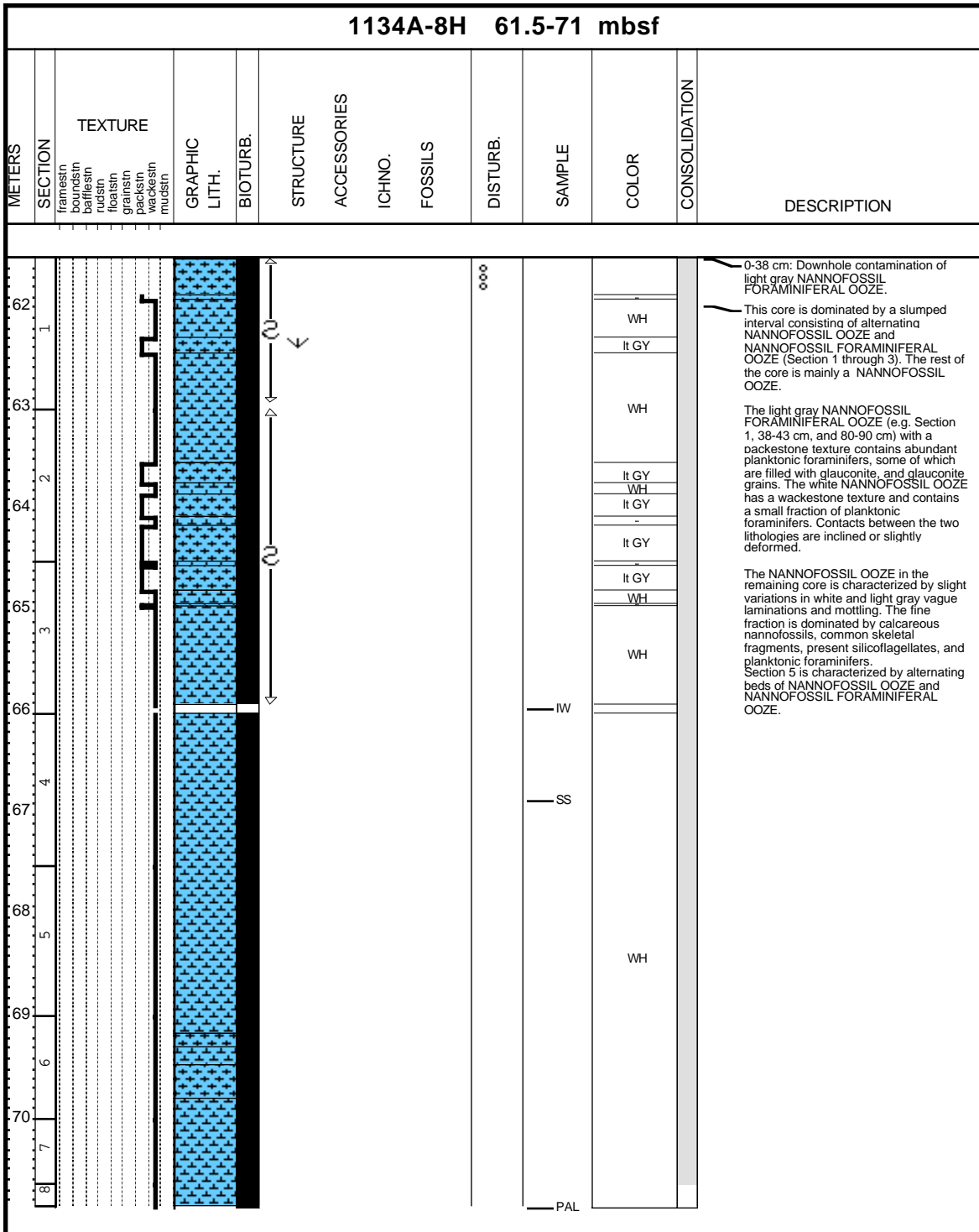
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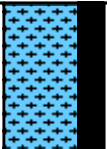
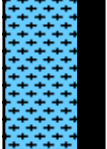
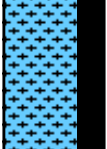
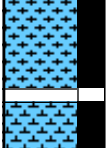
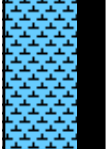
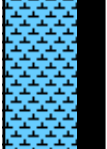
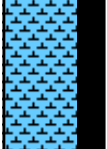
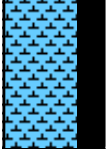
Core Photo



Core Photo



Core Photo

1134A-9H 71-80.5 mbsf																	
METERS	SECTION	TEXTURE					GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHO.	FOSSILS	DISTURB.	SAMPLE	COLOR	CONSOLIDATION	DESCRIPTION
	framesin boundstn baffiestn rudstn floatstn grainsin packstn wackstn mudstn																
72	1																
73	2																
74	3																
75	4																
76	5																
77	6																
78	7																
79	8																
80																	

NANNOFOSSIL OOZE and
 NANNOFOSSIL FORAMINIFERAL
 OOZE.
 With increasing numbers of planktonic
 foraminifers the texture changes from a
 wackestone to a packstone. Boundaries
 between the different lithologies are
 gradational due to bioturbation.
 Green and gray reduction spots, layers,
 and patches are common.

ooo

— IW

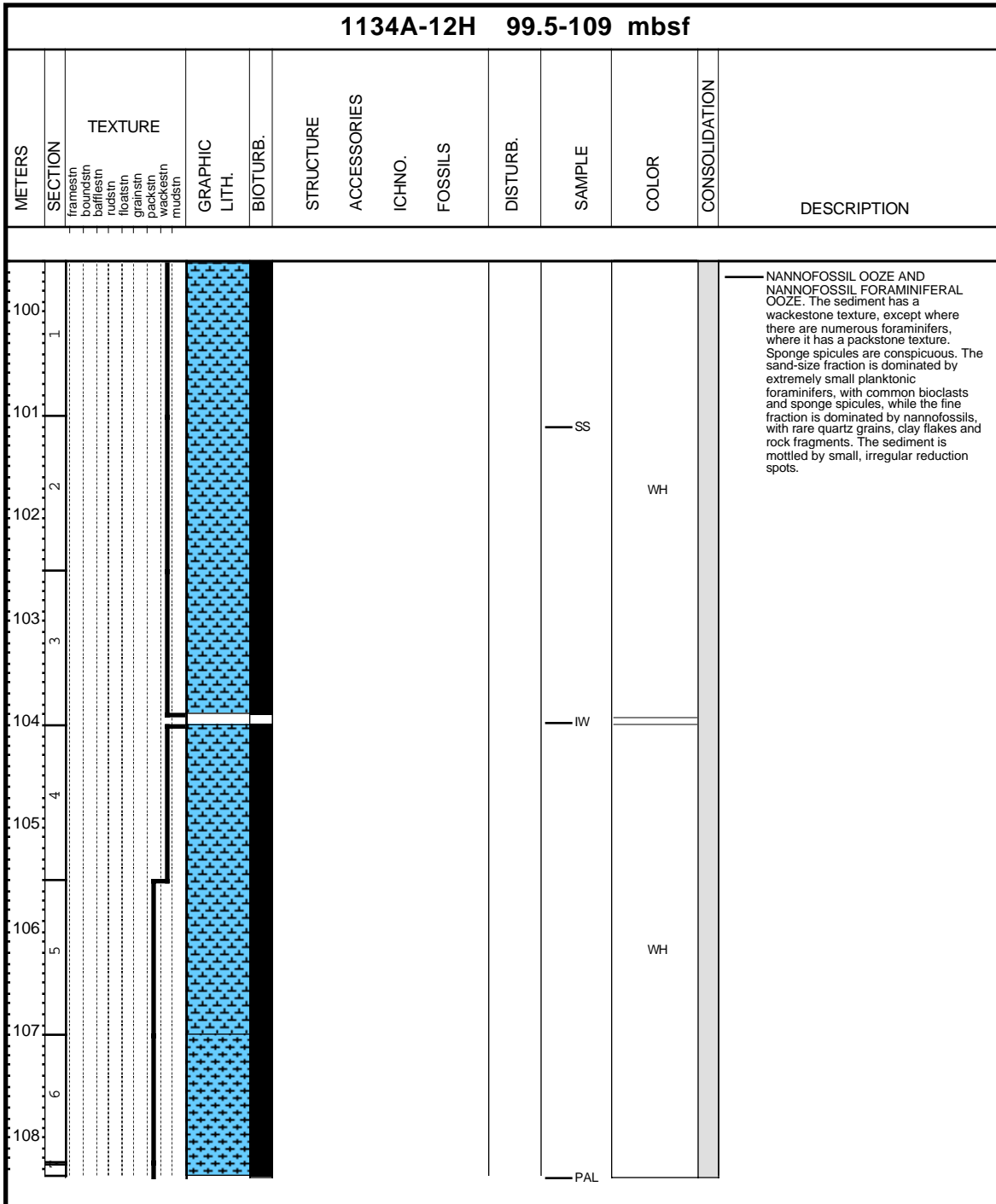
— vit GY

— PAL

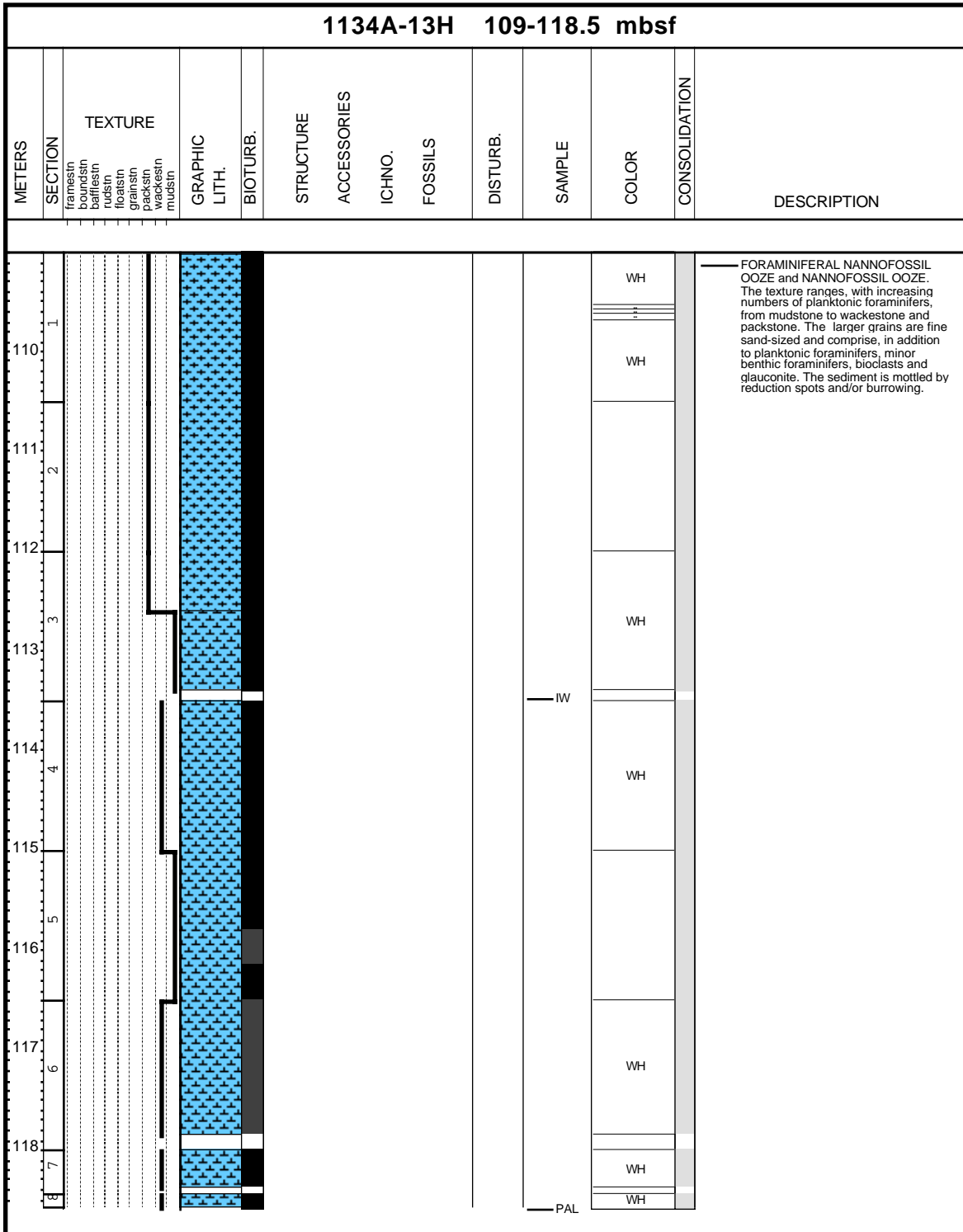
Core Photo

1134A-11H 90-99.5 mbsf													
METERS	SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHO.	FOSSILS	DISTURB.	SAMPLE	COLOR	CONSOLIDATION	DESCRIPTION
91	1												<p>The core is dominated by NANNOFOSSIL OOZE and two intervals of NANNOFOSSIL FORAMINIFERAL OOZE (Sections 4 and 6).</p> <p>The white to light gray NANNOFOSSIL OOZE has a wackestone to very fine-grained packstone texture.</p> <p>The light gray uniform NANNOFOSSIL FORAMINIFERAL OOZE has a very fine-grained packstone texture.</p> <p>Black burrows filled with blackened foraminifers are scattered throughout the core, as well as greenish to brownish reduction patches or spots.</p>
92	2												
93	3												
94	3												
95	4									IW			
96	4												
97	5												
98	6												
99	7												
100	8									PAL			

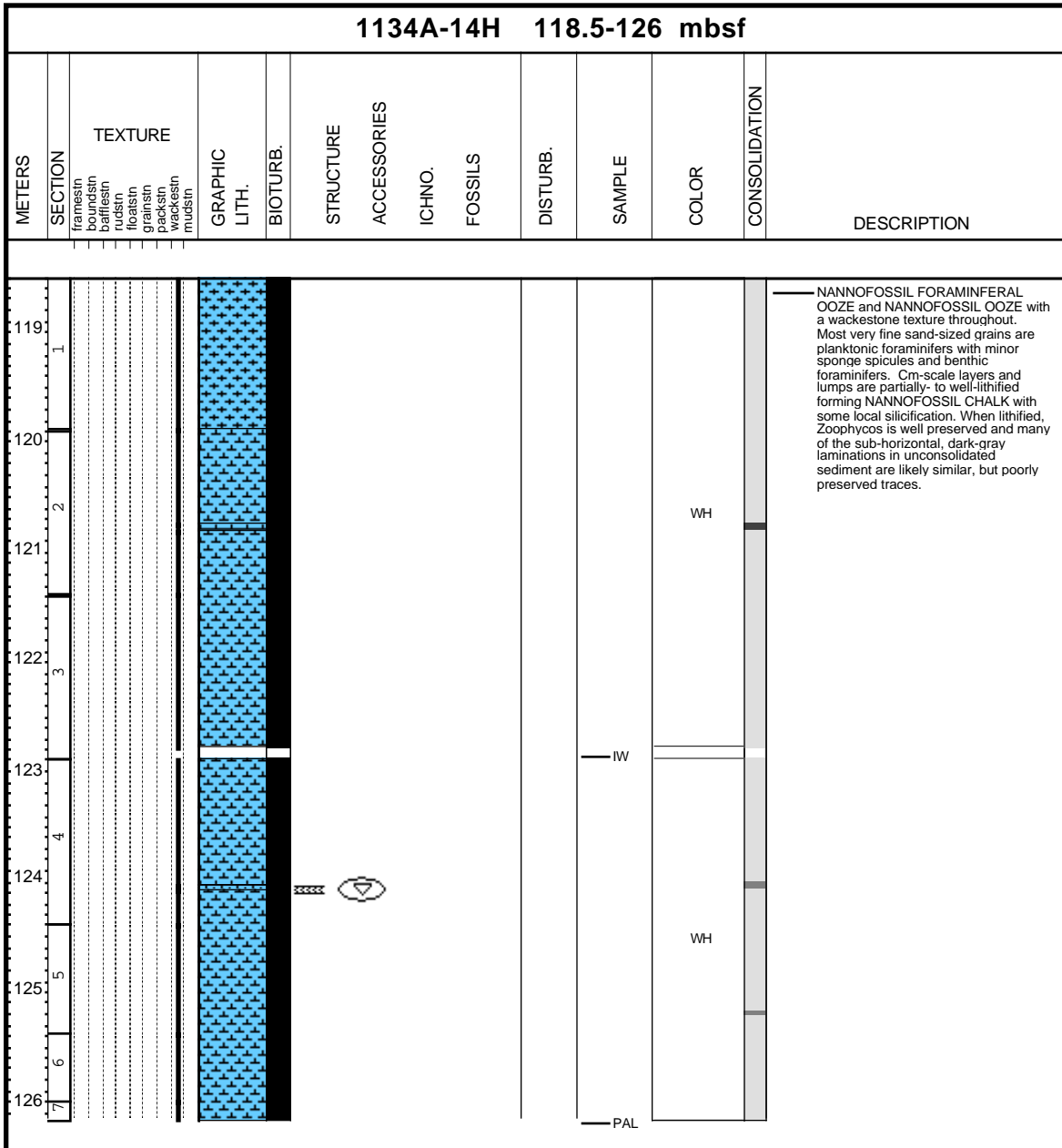
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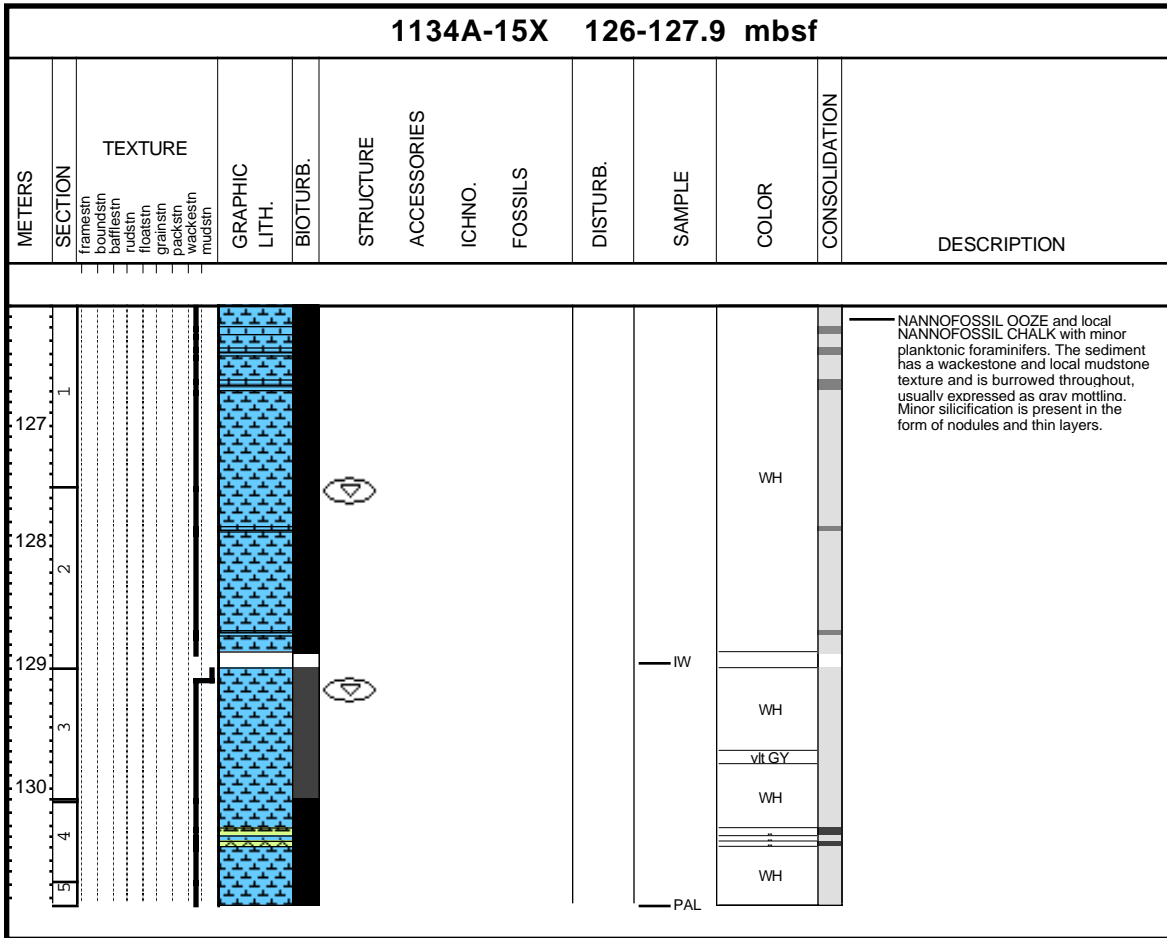
Core Photo



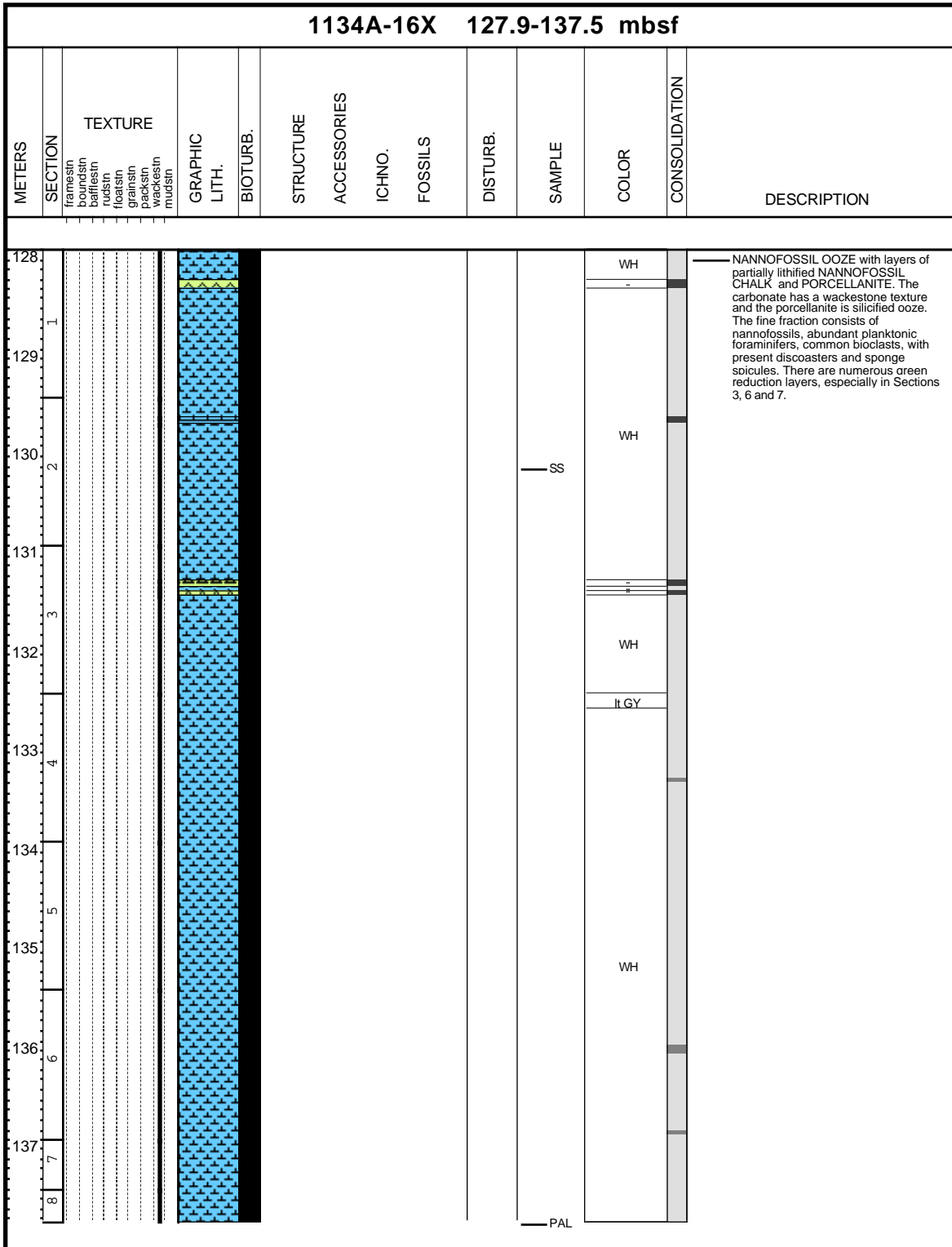
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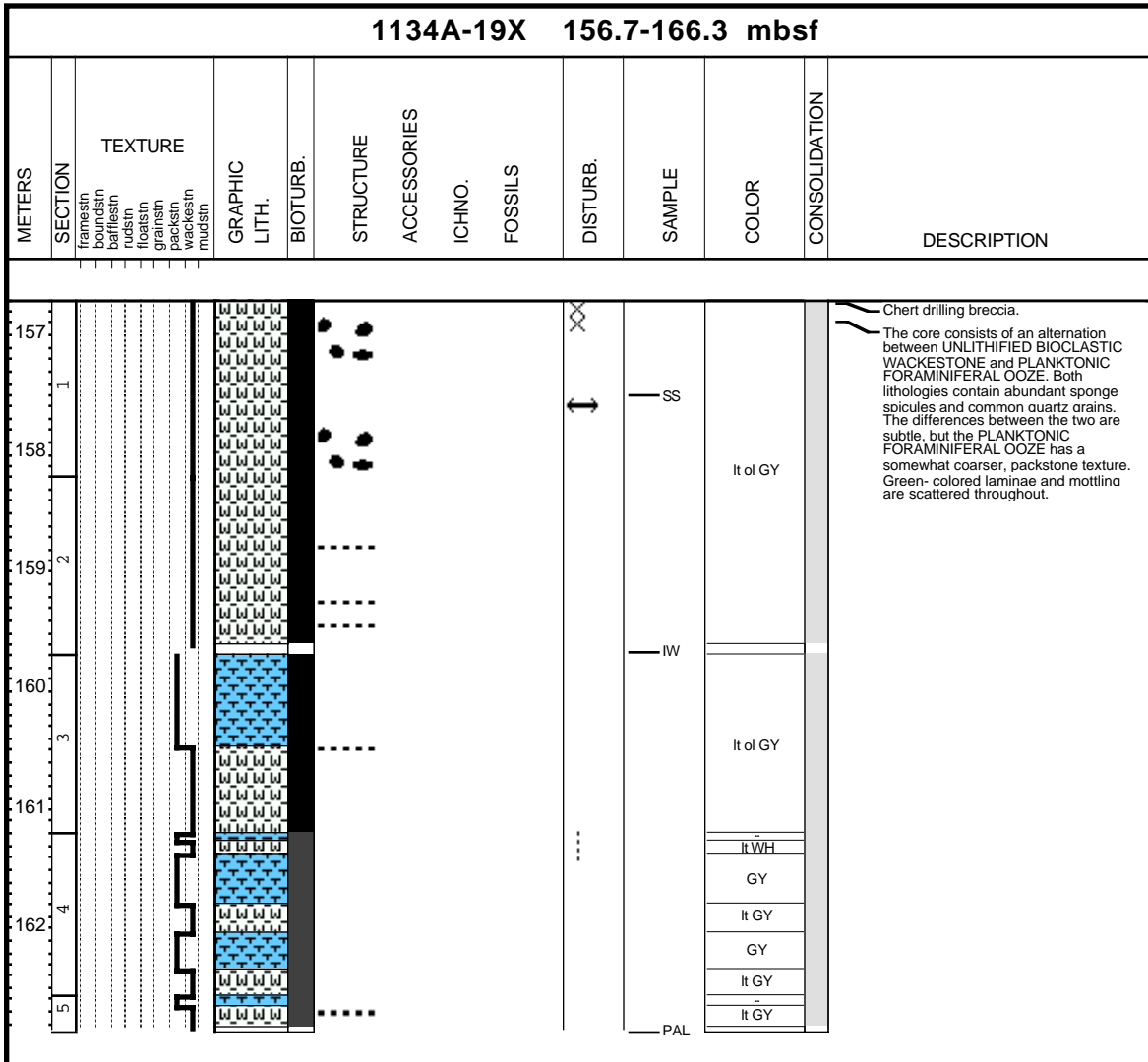
Core Photo



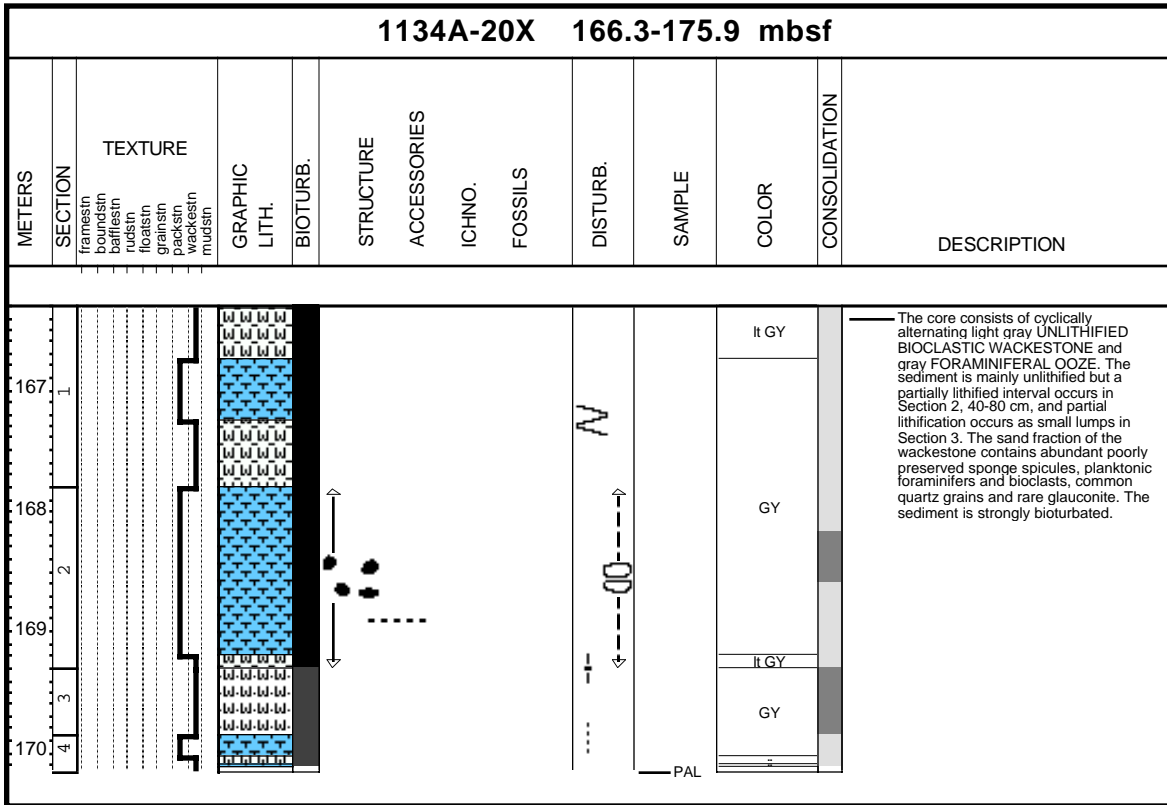
Core Photo



Core Photo



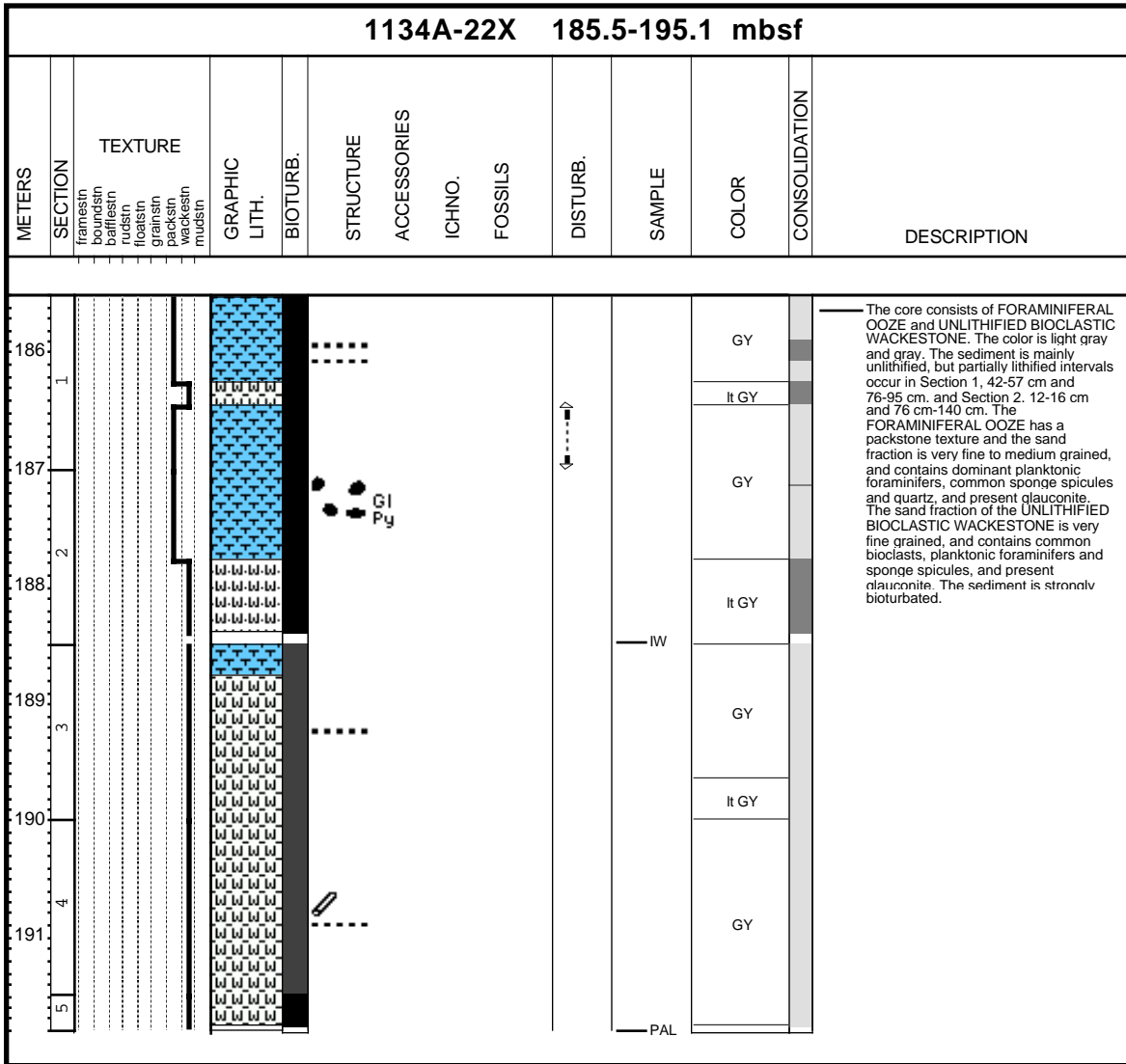
Core Photo



Core Photo

1134A-21X 175.9-185.5 mbsf													
METERS	SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	COLOR	CONSOLIDATION	DESCRIPTION
176.1 2	1 2	framesin brufish buffesin rudfin fropain grainin packsin wackesin mudsin									lt GY GY lt GY		The core consists of PARTIALLY LITHIFIED to UNLITHIFIED PACKSTONE and WACKESTONE. The coarse fraction of the gray-colored packstone is fine grained sand, foraminiferal-rich with bioclasts, and the light gray wackestone is very fine grained sand and bioclastic-rich.

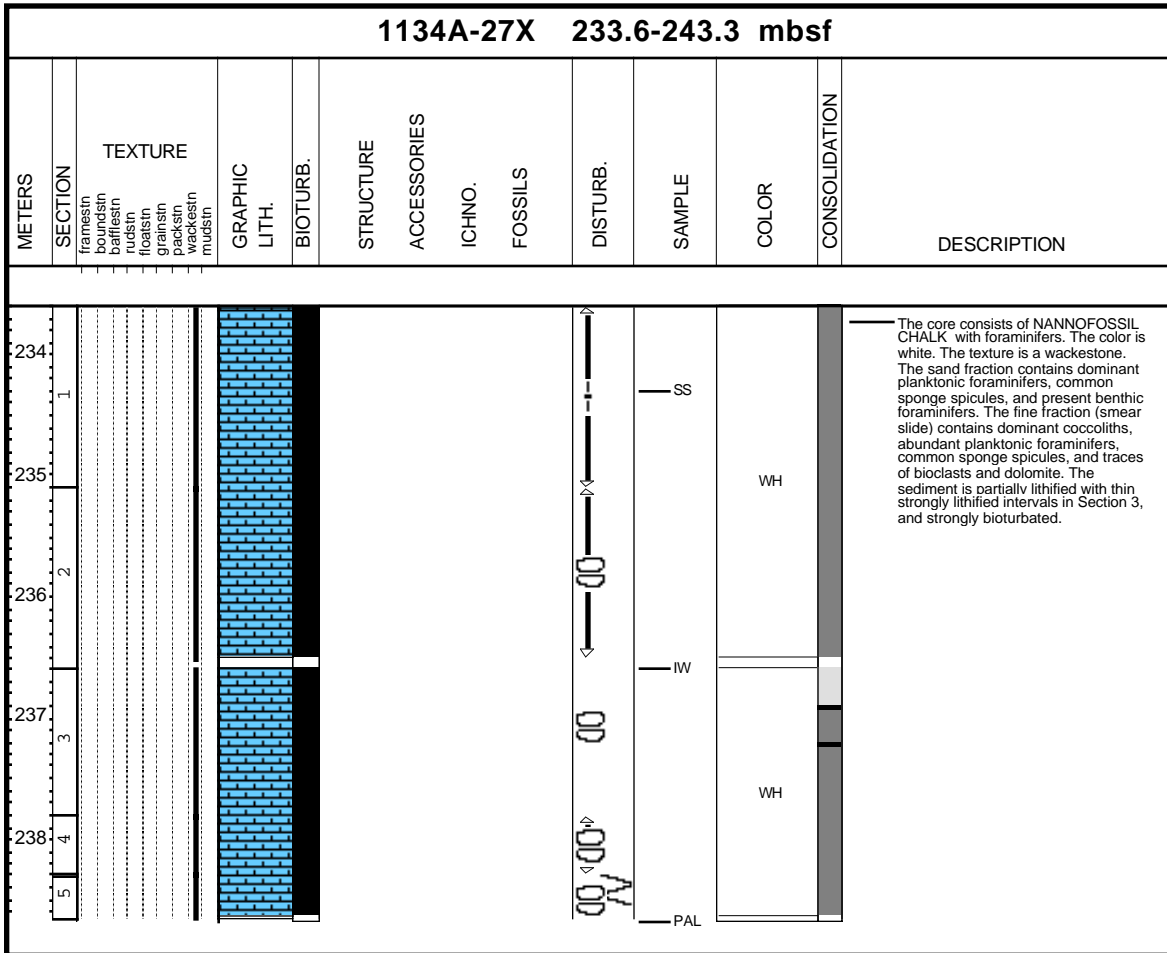
Core Photo



Core Photo

1134A-26X 223.9-233.6 mbsf													
METERS	SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	COLOR	CONSOLIDATION	DESCRIPTION
224	framsstn brulstn boffestn rudstn floatstn grainstn packstn wackestn mudstn										dk GY		The core consists of chert drilling breccia.

Core Photo



Core Photo

1134A-28X 243.3-252.9 mbsf	
METERS	SECTION
<p>fractestn</p> <p>boundstn</p> <p>baffrestn</p> <p>rudstn</p> <p>floatstn</p> <p>grainstn</p> <p>podstn</p> <p>wadkstn</p> <p>mudstn</p>	TEXTURE
	GRAPHIC LITH.
	BIOTURB.
	STRUCTURE
	ACCESSORIES
	ICHNO.
	FOSSILS
	DISTURB.
	SAMPLE
	COLOR
	CONSOLIDATION
	DESCRIPTION
<p>— PAL</p> <p>— CHERT - drilling breccia.</p>	

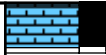
Core Photo

1134A-29X 252.9-262.5 mbsf													
METERS	SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	COLOR	CONSOLIDATION	DESCRIPTION
253	framsstn brflsln brflsln rudstn flcstn graptstn pactstn wackstn mudstn										WH		CHERT - drilling breccia. The core consists of white, massive NANNOFOSSIL CHALK.

Core Photo

1134A-30X 262.5-272.2 mbsf														
METERS	SECTION	TEXTURE		GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	COLOR	CONSOLIDATION	DESCRIPTION
	fractured bound rudist float grain wack mud	fractured bound rudist float grain wack mud	fractured bound rudist float grain wack mud	fractured bound rudist float grain wack mud	fractured bound rudist float grain wack mud	fractured bound rudist float grain wack mud	fractured bound rudist float grain wack mud	fractured bound rudist float grain wack mud	fractured bound rudist float grain wack mud	fractured bound rudist float grain wack mud	fractured bound rudist float grain wack mud	fractured bound rudist float grain wack mud	fractured bound rudist float grain wack mud	
1														CHERT - drilling breccia. The core consists of white, massive NANOFOSSIL CHALK.

Core Photo

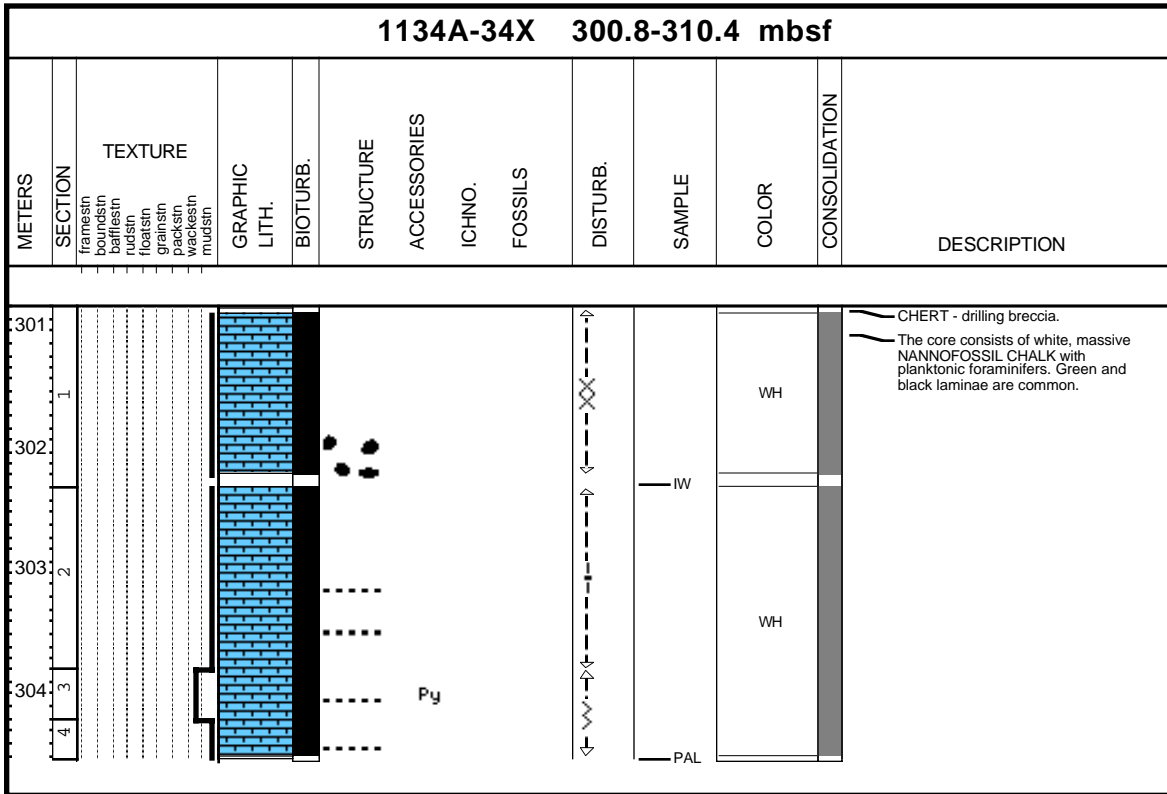
METERS		1134A-31X 272.2-281.8 mbsf										
SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	COLOR	CONSOLIDATION	DESCRIPTION
12.1	framesin boundstrn bafflesin rudsin floatsin grainfin wackein mudsin									WH		White, massive, NANNOFOSSIL CHALK.
									PAL			

Core Photo

1134A-32X 281.8-291.4 mbsf													
METERS	SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	COLOR	CONSOLIDATION	DESCRIPTION
282													Black and gray CHERT pieces, 1 to 0.5 cm across, probably representing downhole drilling disturbance. White NANNOFOSSIL CHALK with planktonic foraminifers of fine-grained sand size. The texture is packstone.

1134A-33X TO PALEO

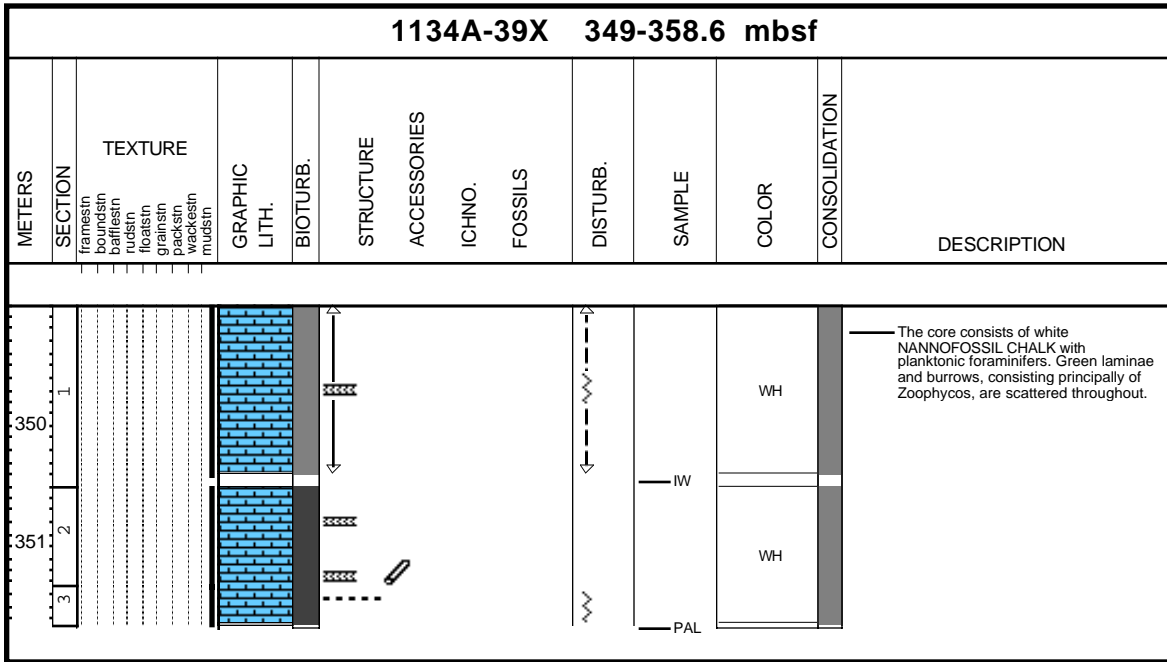
Core Photo



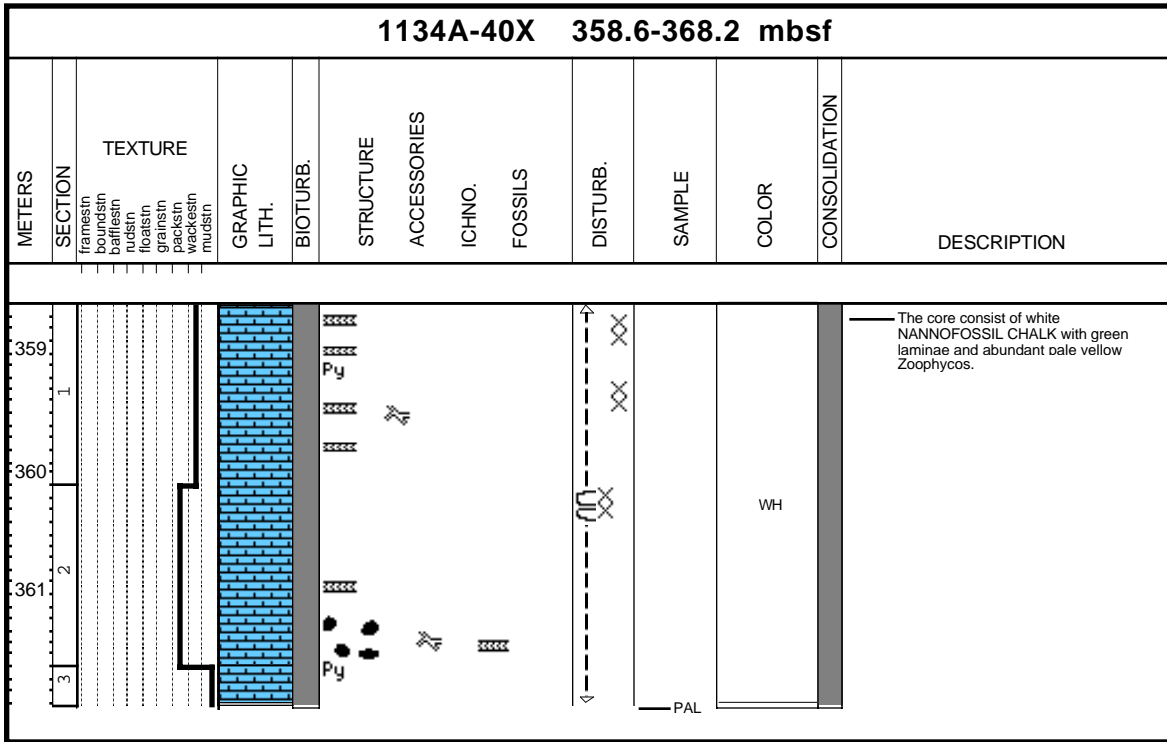
Core Photo

1134A-38X 339.3-349 mbsf													
METERS	SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	COLOR	CONSOLIDATION	DESCRIPTION
340 2	framesin foramsin buffsin rudsin foramsin grainsin packsin wackesin mudsln												<p>The core consists of white NANNOFOSSIL CHALK with planktonic foraminifers, green lamination and pale yellow Zoophycos traces. The matrix includes dominant nannofossils, common planktonic foraminifers, and traces of benthic foraminifers and diatoms.</p>

Core Photo



Core Photo



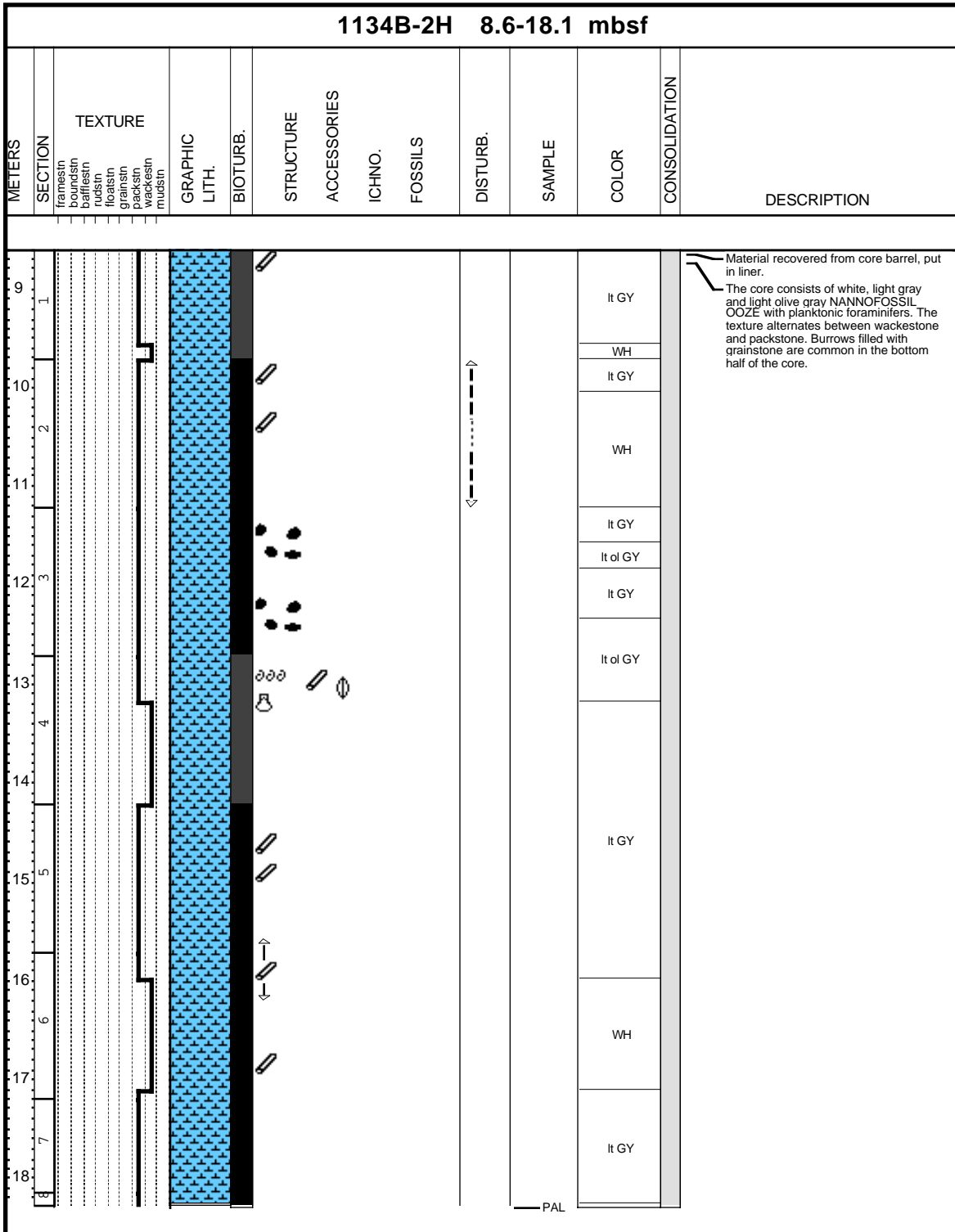
Core Photo

1134A-41X 368.2-377.9 mbsf													
METERS	SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	COLOR	CONSOLIDATION	DESCRIPTION
													<p>LIMONITIC QUARTZ SANDSTONE with skeletal grains. Carbonate grains are up to 12 mm in diameter and float in a matrix, poorly sorted, very coarse to medium sand. The dominant sand grains are quartz and limonite, rare glauconite, and traces of planktonic foraminifers, bioclasts, and micas. The sand is cemented by carbonate and some of the grains > 2 mm are bryozoan and mollusk fragments.</p>

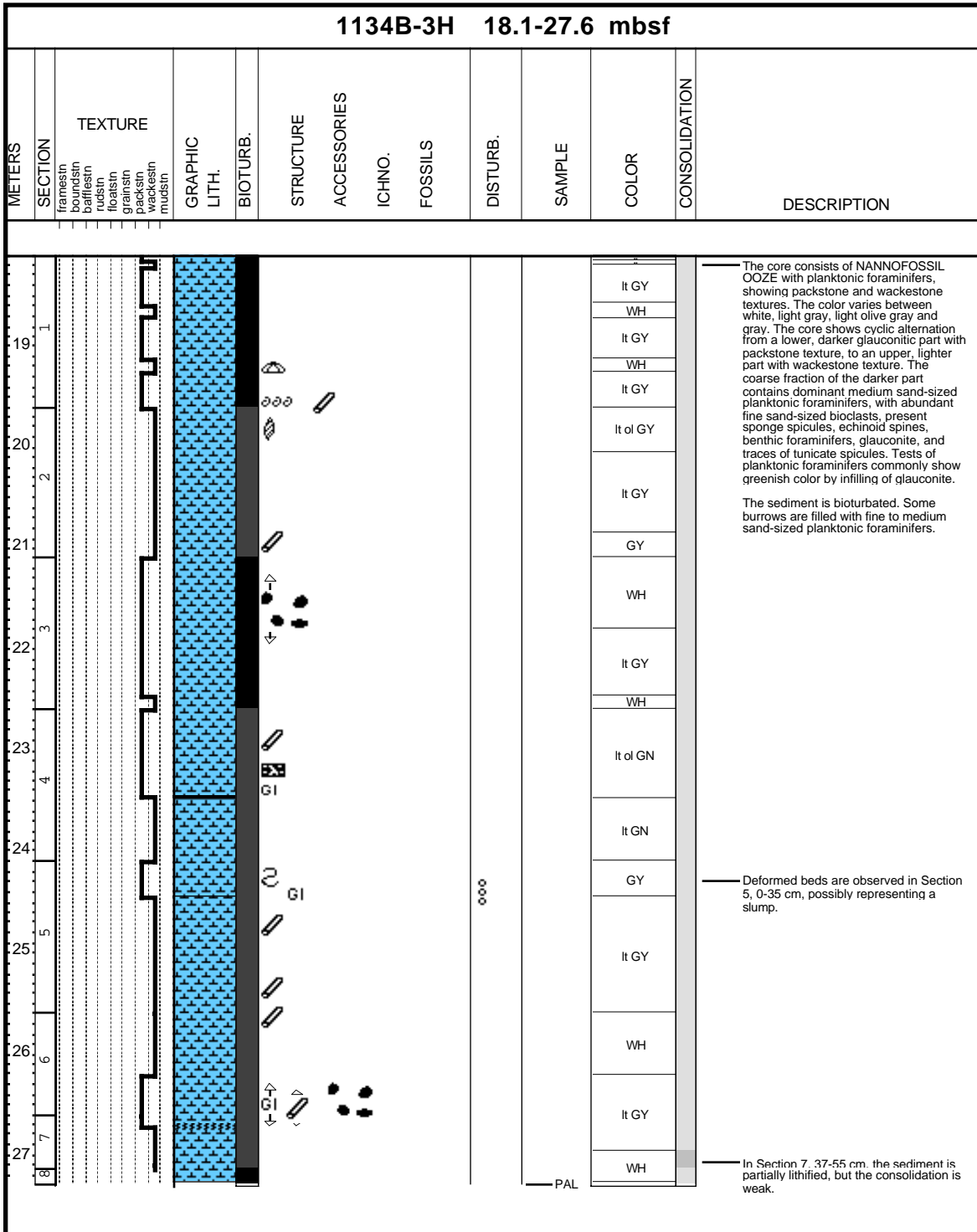
1134A-42X NO RECOVERY

1134A-43X NO RECOVERY

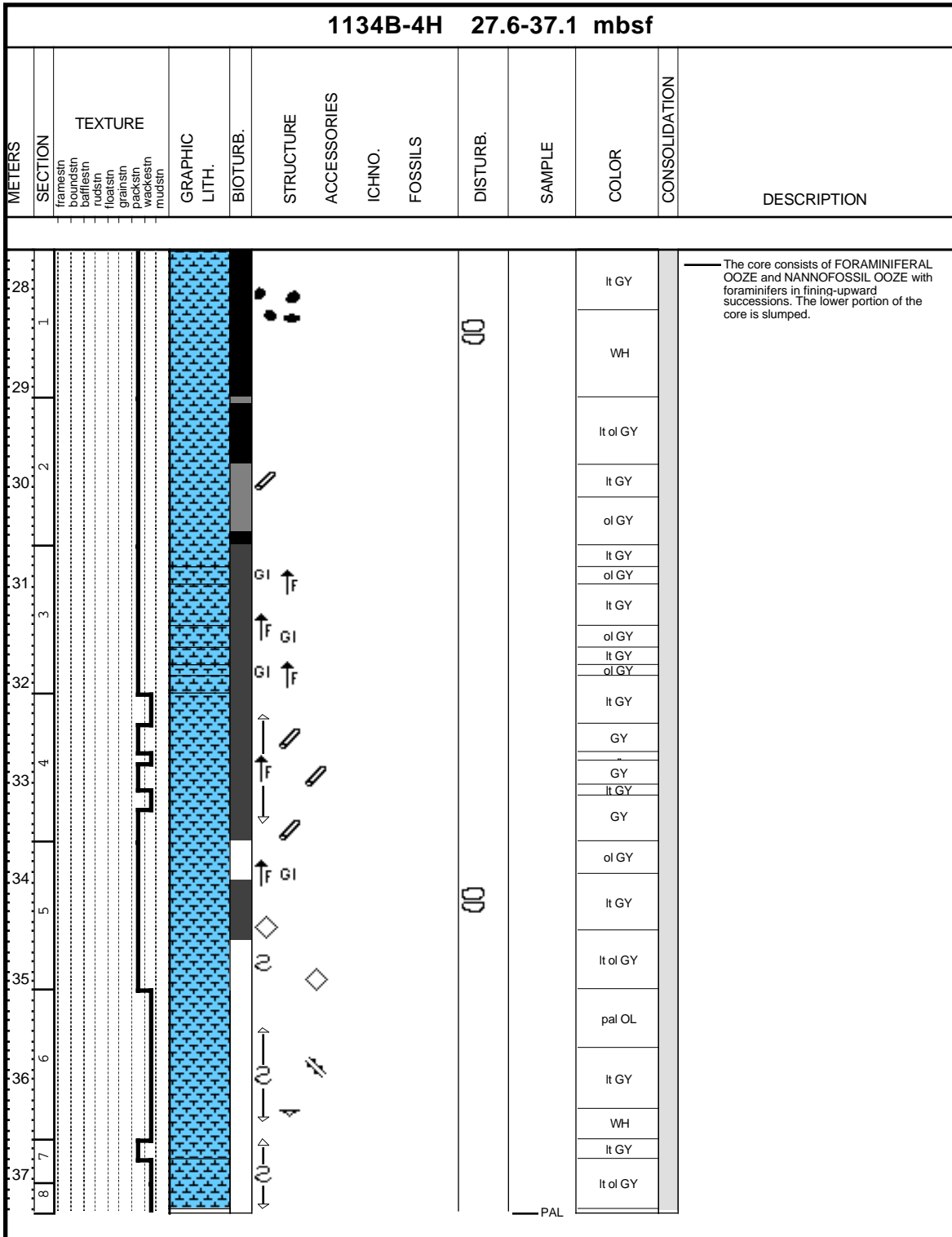
Core Photo



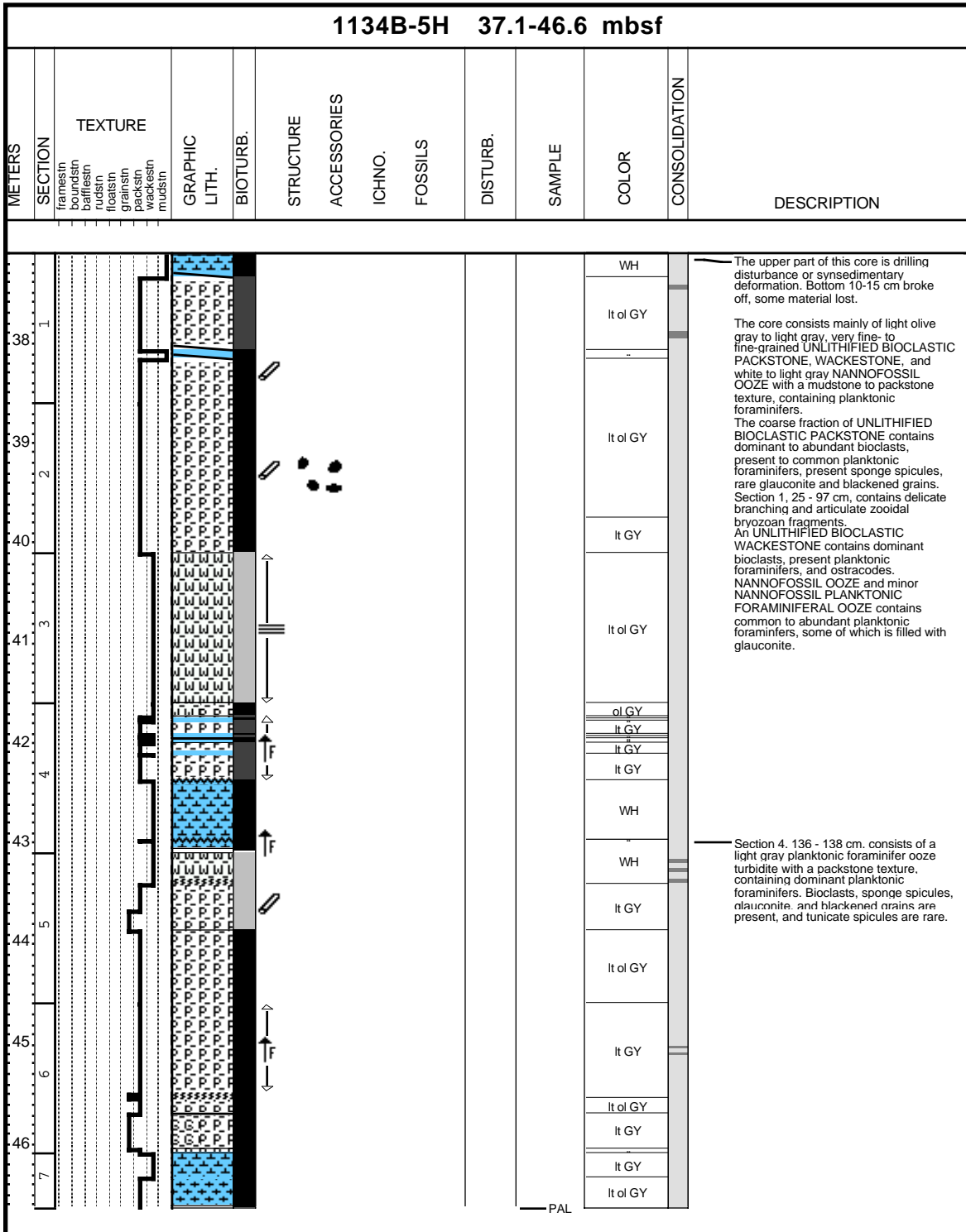
Core Photo



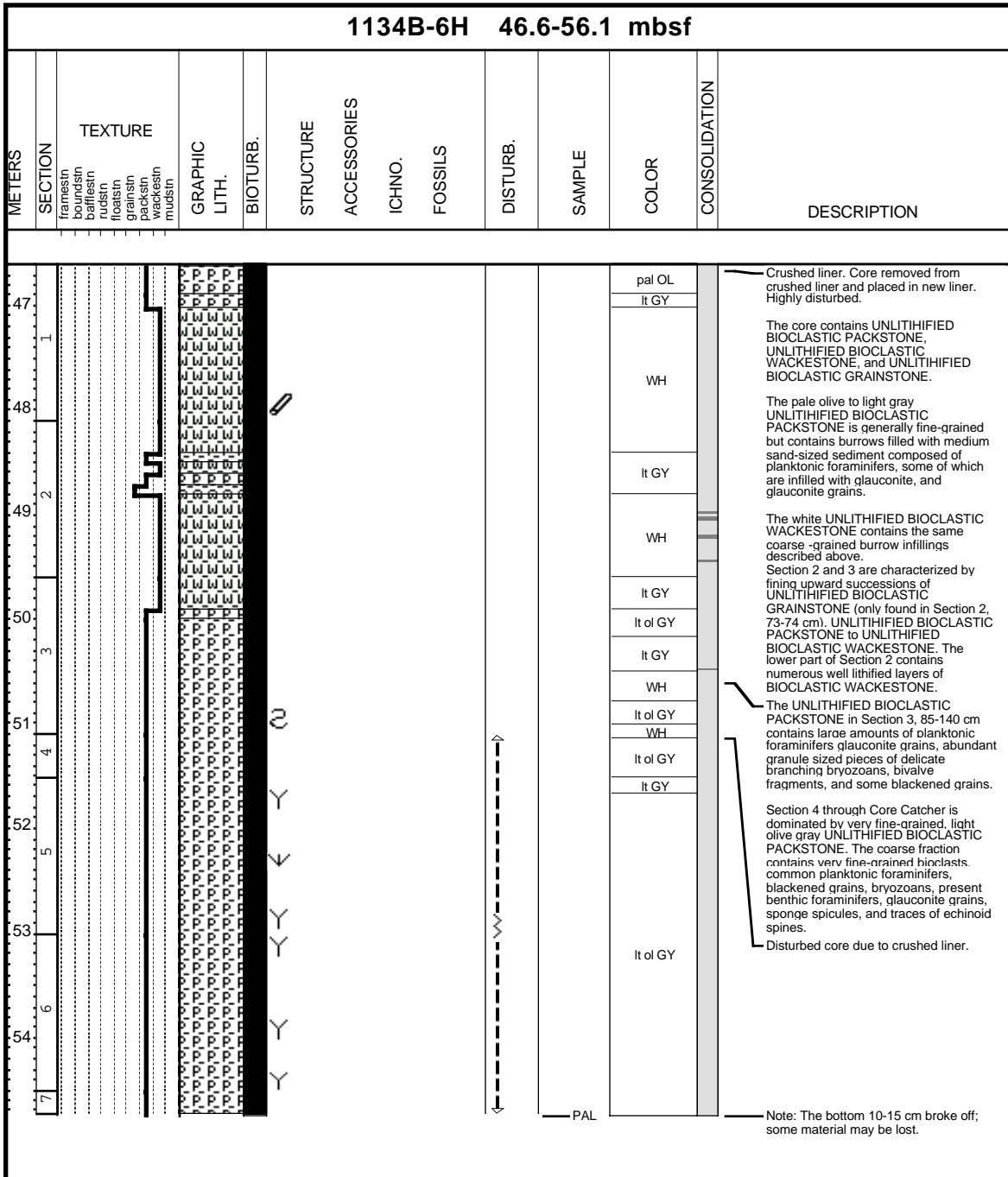
Core Photo



Core Photo



Core Photo



Core Photo

1134B-7H 56.1-65.6 mbsf													
METERS	SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	COLOR	CONSOLIDATION	DESCRIPTION
		framesin boundstn baffiestn rudstn floatstn grainstn packstn wackestn mudstn											
57	1												Core stuck in core barrel. Liner cut into sections on drill floor. Highly disturbed.
													Interval 0-28 cm: Downhole contamination consisting of rubble and slurry.
58	2												The core contains UNLITHIFIED BIOCLASTIC PACKSTONE, UNLITHIFIED BIOCLASTIC GRAINSTONE, UNLITHIFIED BIOCLASTIC WACKSTONE, NANNOFOSSIL OOZE, and NANNOFOSSIL PLANKTONIC FORAMINIFERAL OOZE.
59													The light gray to light olive gray UNLITHIFIED BIOCLASTIC PACKSTONE contains well lithified intervals and burrows filled with coarse-grained material. The packstones contain varying amounts of glauconite grains, and planktonic foraminifers. Section 3, 12 cm contains a cm-sized pebble of ? porcellanite or ? phosphate.
60	3												The UNLITHIFIED BIOCLASTIC WACKSTONE has a light gray to white color and contains varying amounts of glauconite grains.
61	4												Section 2, 5-20 cm is a light gray UNLITHIFIED BIOCLASTIC GRAINSTONE containing fine to medium grained glauconite and planktonic foraminifers. There are minor patches of mud.
62													Interval Section 2, 0-5 cm: Void.
63	5												The white to light gray NANNOFOSSIL OOZE has a wackestone texture and contains fine-grained bioclasts. It occurs as patches or thin beds within the packstone interval of Section 2 and 3.
64	6												The white to light gray NANNOFOSSIL FORAMINIFERAL OOZE contains fine-grained bioclasts.
65	7												The core is characterized by symsedimentary deformation.
													Interval. Section 4, 76-87 cm: Void.
													Interval. Section 5, 102-115 and 140-150 cm: Void.
													Interval. Section 6, 120-125 cm: Void.
													Interval. Core Catcher, 35-41 cm: Void.

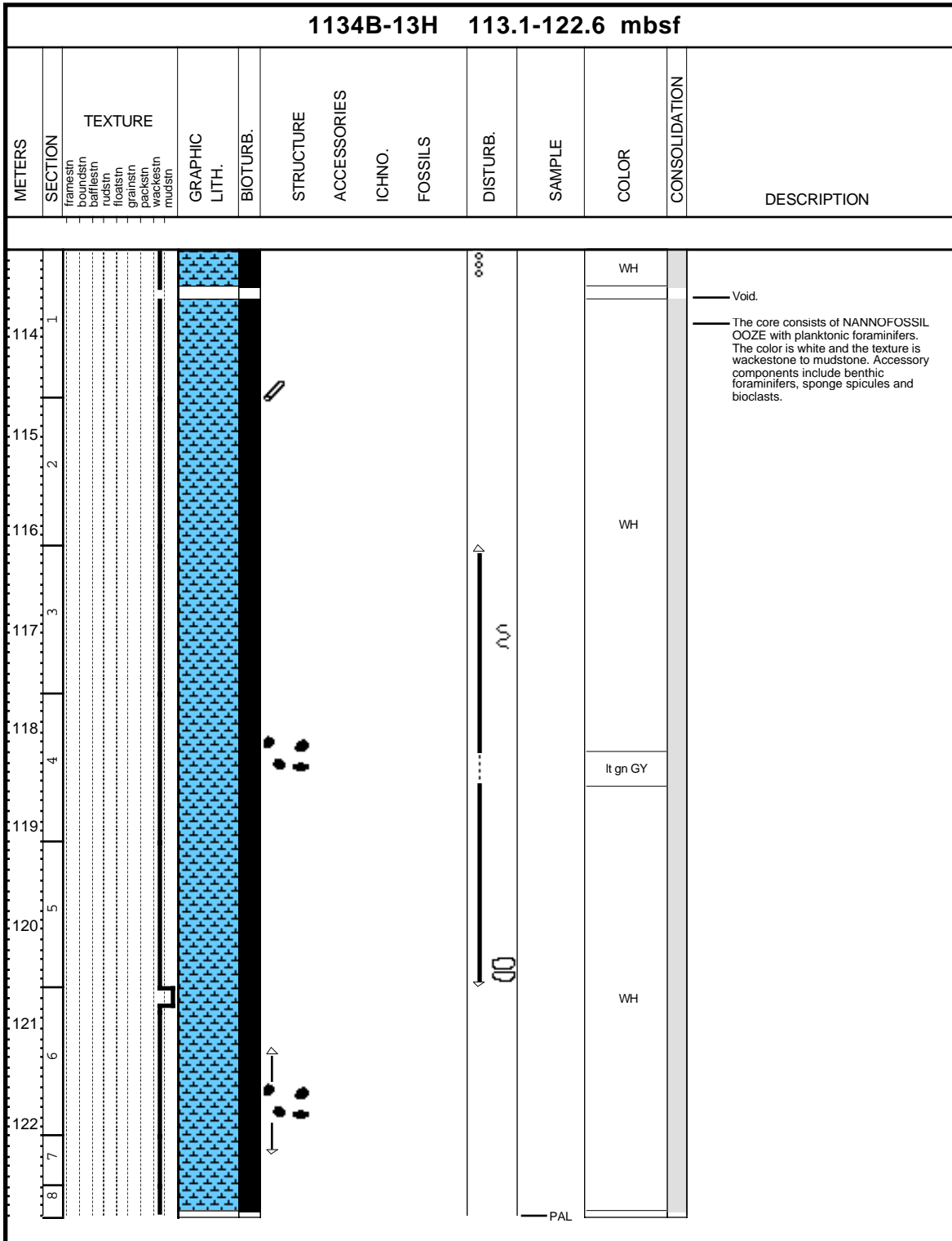
Core Photo

1134B-8H 65.6-75.1 mbsf													
METERS	SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	COLOR	CONSOLIDATION	DESCRIPTION
66	1												<p>The core is dominated by NANNOFOSSIL FORAMINIFERAL OOZE with the exception of Section 1 which is a NANNOFOSSIL FORAMINIFERAL CHALK.</p> <p>The white NANNOFOSSIL FORAMINIFERAL OOZE contains abundant very small planktonic foraminifers and common bioclasts. The texture ranges from wackestone to packstone, depending on the amount of planktonic foraminifers. There is vague greenish-black mottling scattered throughout the core.</p>
67													
68	2												
69	3										WH		
70													
71	4												
72	5												
73													
74	6												
75	7									PAL	WH		

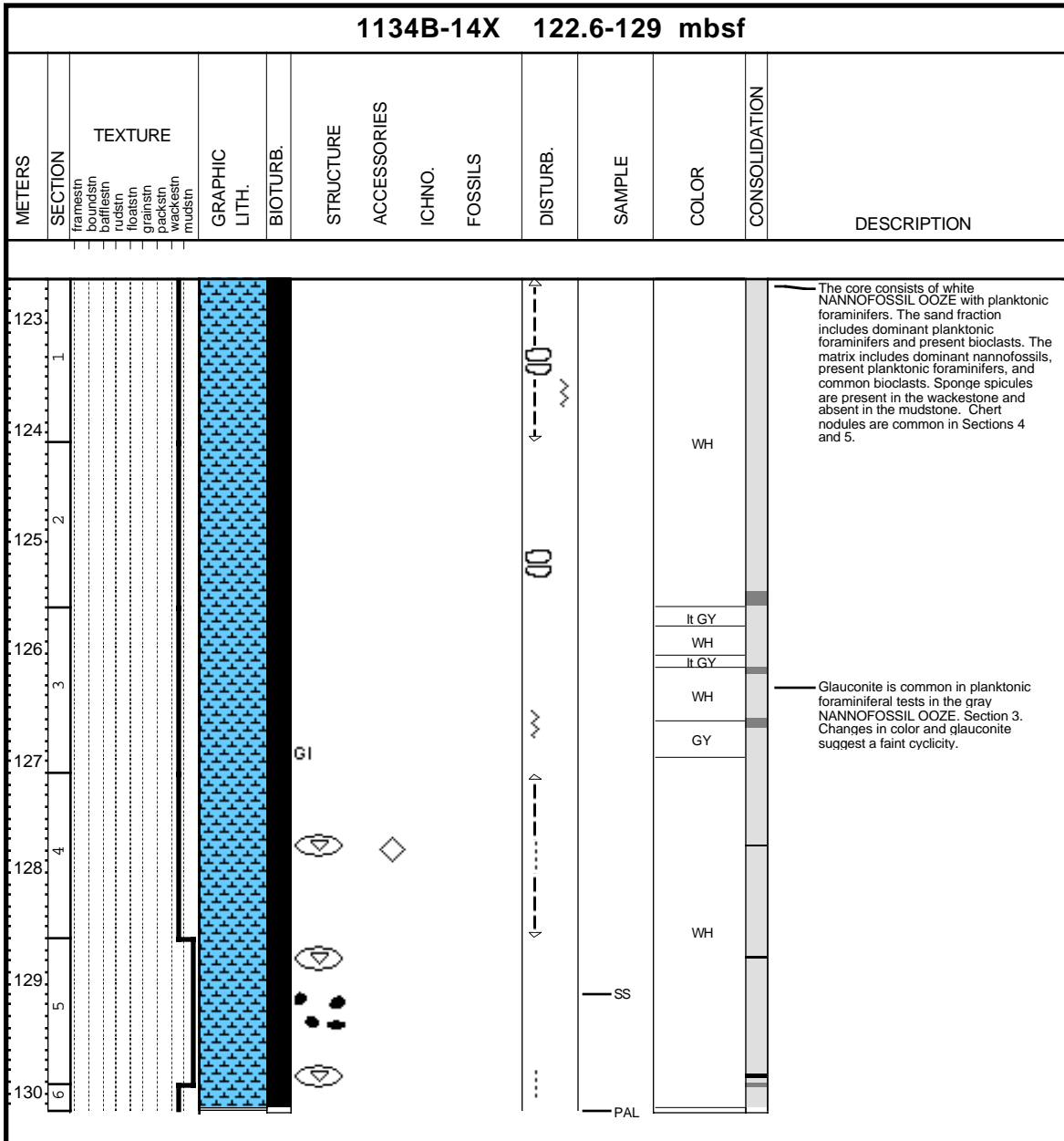
Core Photo

1134B-11H 94.1-103.6 mbsf													
METERS	SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	COLOR	CONSOLIDATION	DESCRIPTION
95	1												<p>— NANNOFOSSIL OOZE with varying numbers of planktonic foraminifers, with resultant textures that range from mudstone to wackestone. The composition is extremely uniform throughout. The foraminifers are generally very fine sand-sized and together with trace ostracodes, comprise all of the small sand fraction.</p>
96	2												
97													
98	3												
99	4									WH			
100													
101	5												
102	6												
103	7												
	8									WH			

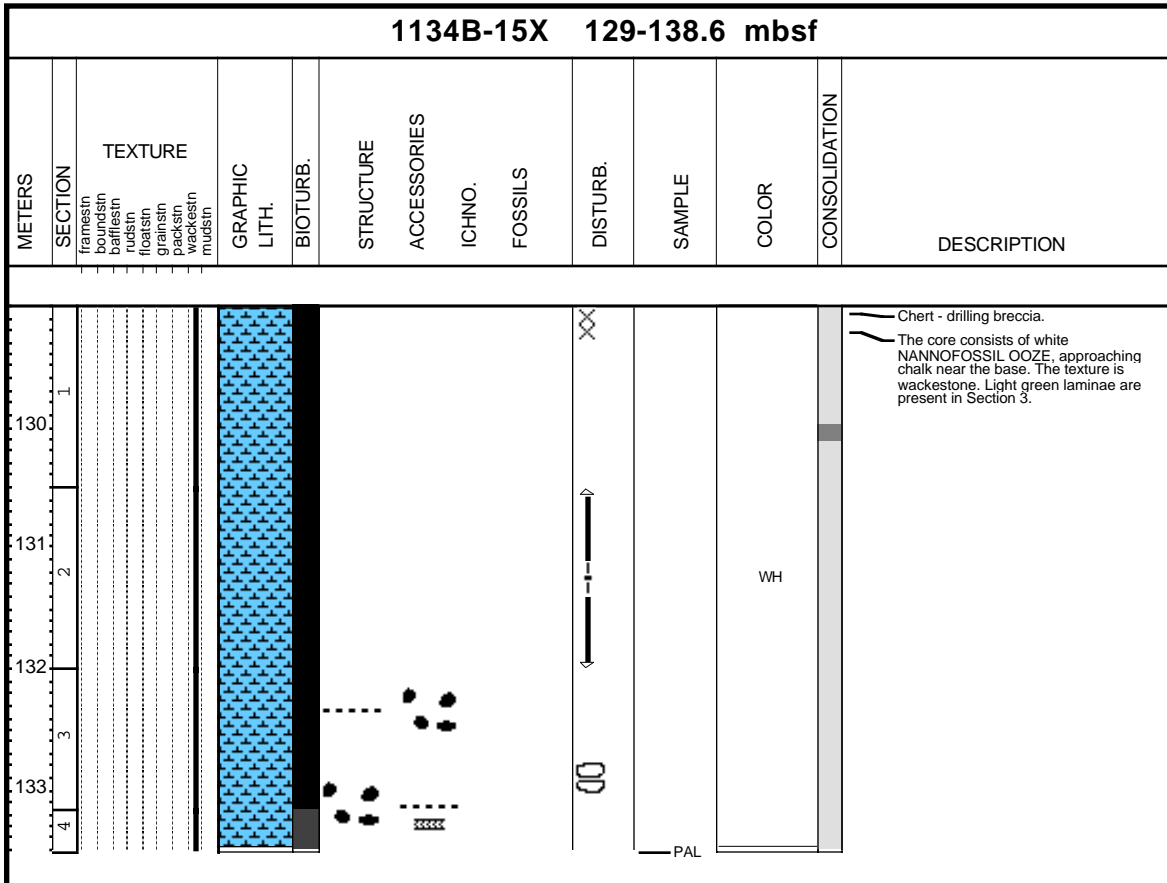
Core Photo



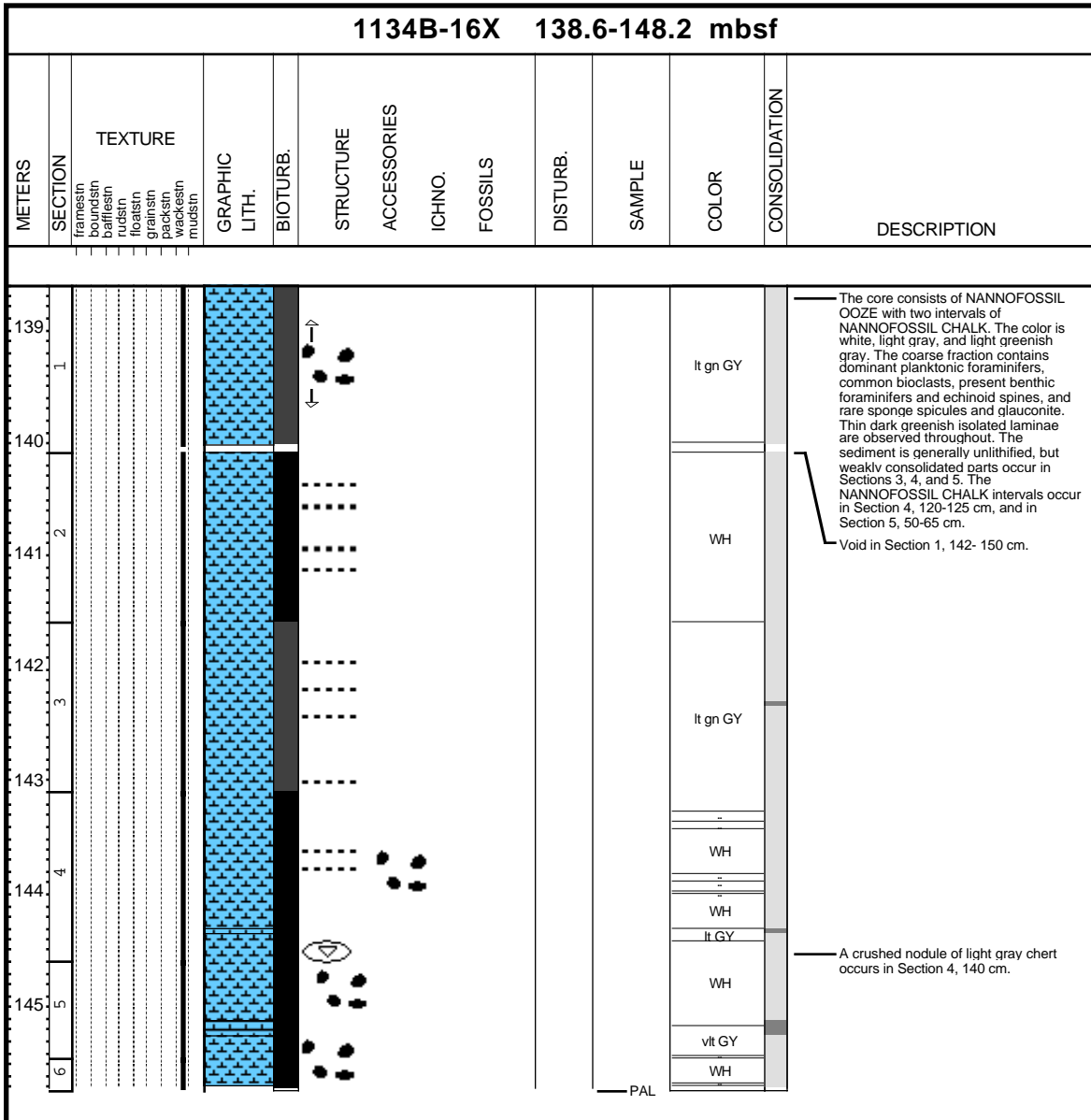
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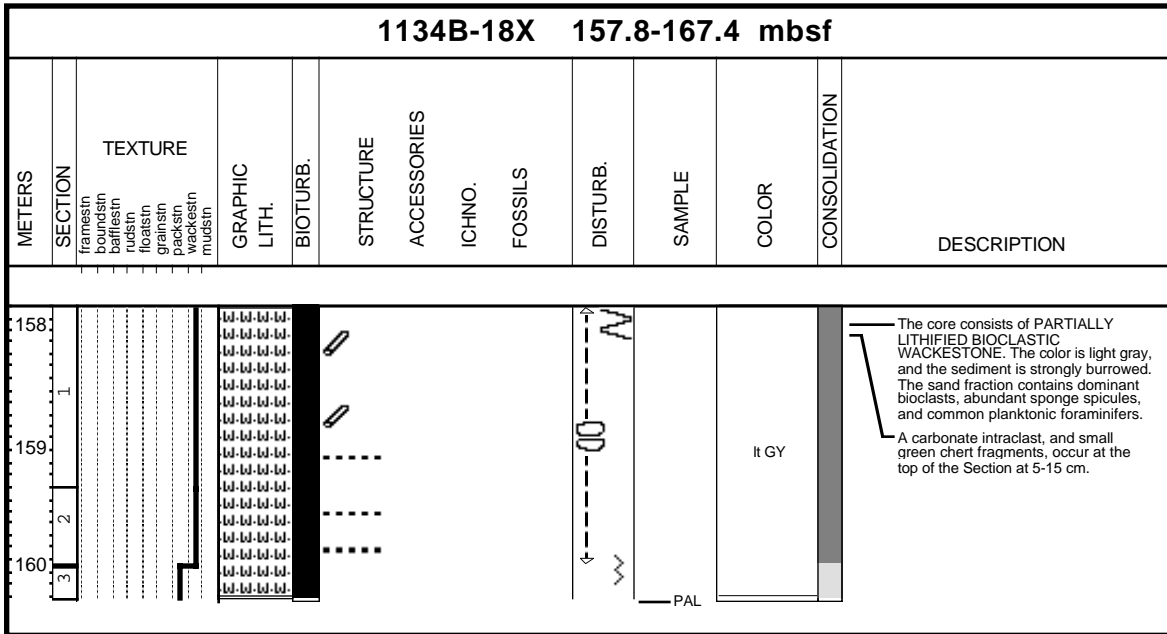
Core Photo




Core Photo



Core Photo



Core Photo

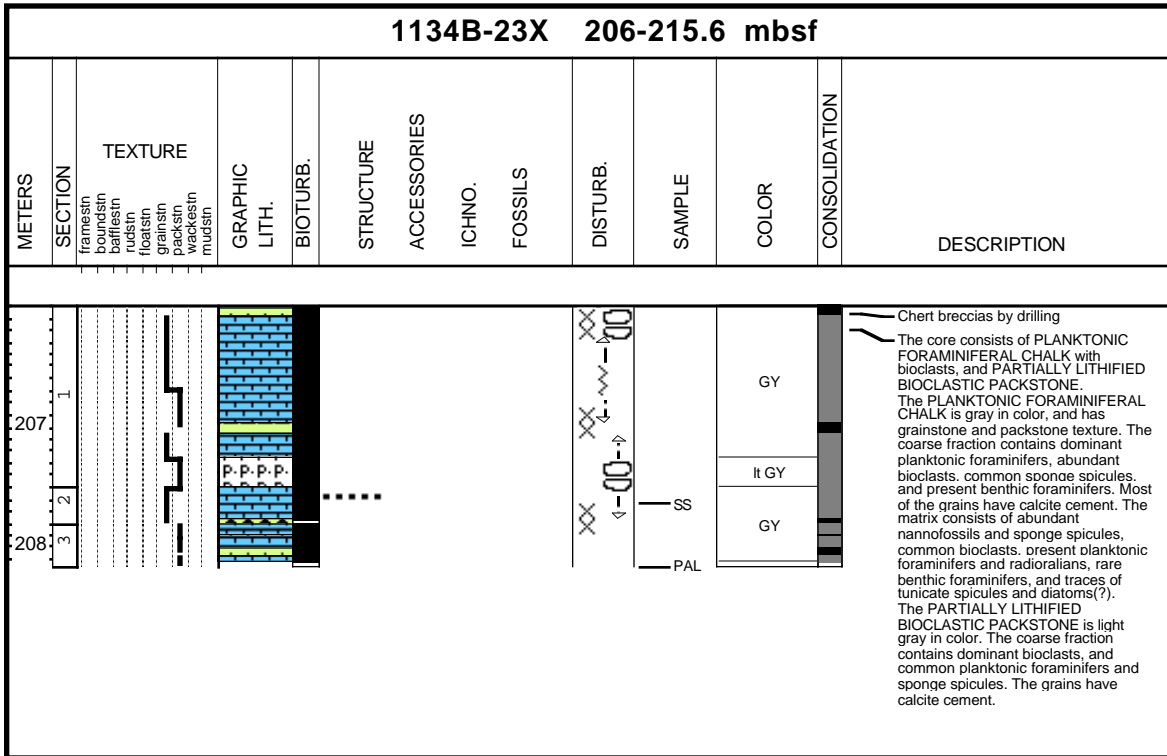
1134B-20X 177.1-186.7 mbsf													
METERS	SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	COLOR	CONSOLIDATION	DESCRIPTION
	1										lt GY		<p>The core consists of PLANKTONIC FORAMINIFERAL OOZE. The color is light gray, and the sediment has a packstone texture. The sand fraction contains dominant planktonic foraminifers, common sponge spicules, present benthic foraminifers and glauconite, and traces of echinoid spines. The sediment is strongly bioturbated.</p> <p>Three pebbles of chert representing silicified glauconitic carbonate occur in Section 1, 0-5 cm.</p>

1134B-21X NO RECOVERY

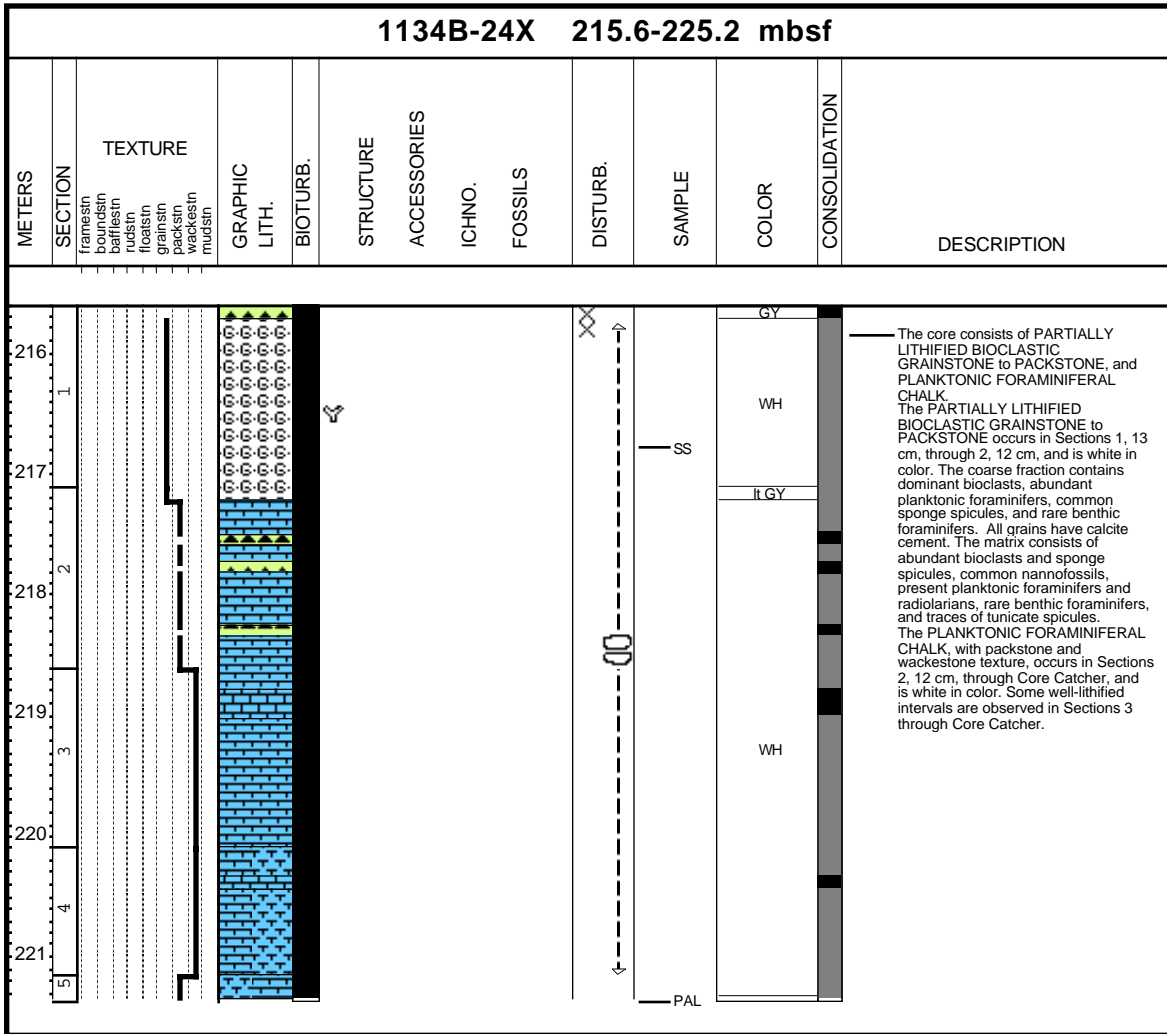
Core Photo

1134B-22X 196.3-206 mbsf													
METERS	SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	COLOR	CONSOLIDATION	DESCRIPTION
	framesin boundstn bafflesin rudstn floatsin grainstn bioclasts wackstn mudstn												
1										PAL			<p>The core consists of brecciated pebbles of gray CHERT with a fine greenish banding, and PLANKTONIC FORAMINIFERAL OOZE with a grainstone texture. The chert pebbles represent silicified ooze and show traces of Chondrites. The sand fraction of the ooze contains dominant planktonic foraminifers, common bioclasts, present benthic foraminifers and sponge spicules, and rare glauconite.</p>

Core Photo



Core Photo



Core Photo

		1134B-25X 225.2-234.8 mbsf															
METERS	SECTION	TEXTURE					GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	COLOR	CONSOLIDATION	DESCRIPTION
		framesin	boundstn	ballfresin	rudstn	floatstn	grainstn	spokestn	wackstn	rudstn							
1																	CHERT and LIMESTONE - drilling breccia.

CORE DESCRIPTIONS
SMEAR SLIDES, SITE 1134

Sample								Lithology	Texture			Mineral					Biogenic								Rock		Comments
Leg	Site	Hole	Core	Type	Section	Top (cm)	Depth (mbsf)		Sand	Silt	Clay	Clay	Dolomite	Glauconite	Opalues	Quartz	Benthic Foraminifers	Coccoliths	Diatoms	Ostracodes	Planktonic Foraminifers	Radiolarians	Silicoflagellates	Sponge Spicules	Tunicate spicules	Bioclasts	
182	1134	A	1	H	1	85.0	0.85	D								P	D			C	P		A	R	C		
182	1134	A	1	H	2	70.0	2.20	D								P	C			C	P		P	P	C		
182	1134	A	1	H	3	80.0	3.80	D								P	A			C	P		P	*	C		
182	1134	A	3	H	4	80.0	19.30	D								D	A			C			A	C			
182	1134	A	7	H	4	70.0	57.20	D								R	A			A			C		C		
182	1134	A	8	H	4	84.0	66.84	D								D	D			P		P		C		C	
182	1134	A	10	H	1	100.0	81.50	D				P	*			D	D			P	*	*					
182	1134	A	12	H	2	80.0	101.80	D				R			R	D	D			P			A		*		
182	1134	A	16	X	2	70.0	130.10	D								D	D			A			*		C		
182	1134	A	19	X	1	80.0	157.50	D								C	P	A		C			A				
182	1134	A	24	X	2	20.0	206.40	D								P	A		*	P			A		C		
182	1134	A	27	X	1	70.0	234.30	D					*			D	D			A			C		*		
182	1134	A	38	X	1	90.0	340.20	D								*	D	*		C							
182	1134	B	1	H	6	77.0	8.27	D								D	D			P			R	P	P		
182	1134	B	14	X	5	48.0	129.08	D								D	D			P					C		
182	1134	B	19	X	1	118.0	168.58	D										A		A			C		R		
182	1134	B	23	X	2	13.0	207.63	D								R	A			P	P		A		*		
182	1134	B	24	X	1	116.0	216.76	D								R	C			P	P		A	*	A		

CORE DESCRIPTIONS
THIN SECTIONS, SITE 1134

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	Bryozoans	Diatoms	Echinoids	Nannofossils	Ostracodes	Planktonic Foraminifers	Radiolarians	Sponge Spicules	Bioclasts		Micrite				
182	1134	A	23	X	1	1	3	195.10 - 195.12	D		X				C						C						P	A											
182	1134	A	24	X	CC	34	36	206.90 - 206.92	D		X										P						C	A											