

NGHP Expedition 1

Cored Interval Site 1 - Hole A

Seafloor 2674.2 (m)

Barrel Sheet Key

Cored & Recovered:



Core Recovery



Cored Interval No Recovery

Lithology:



Nannofossil Ooze



Foraminifera Rich Nannofossil Ooze



Foraminifera Bearing Nannofossil Ooze



Catwalk Sampled Core

Bioturbation:



Rare



Moderate



Common



Abundant

Diagenesis:



Pyrite



FeS



FeS Nodule

Structures:



Silt/Sand Beds



Silt/Sand Laminae



Fault



Mottling

Fossils:



Shell Fragments



LA Discoaster sp.



Moderately Disturbed



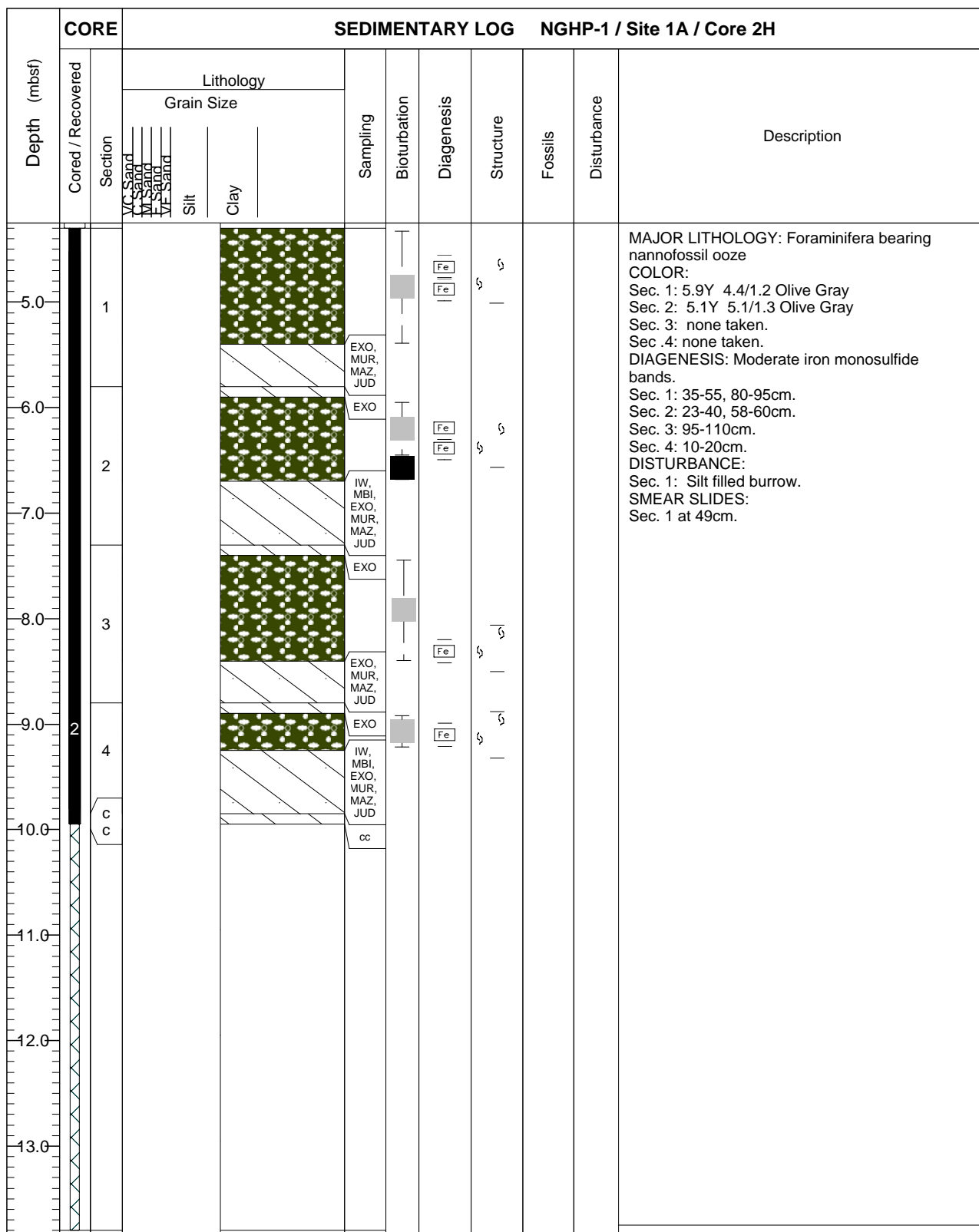
Very Disturbed

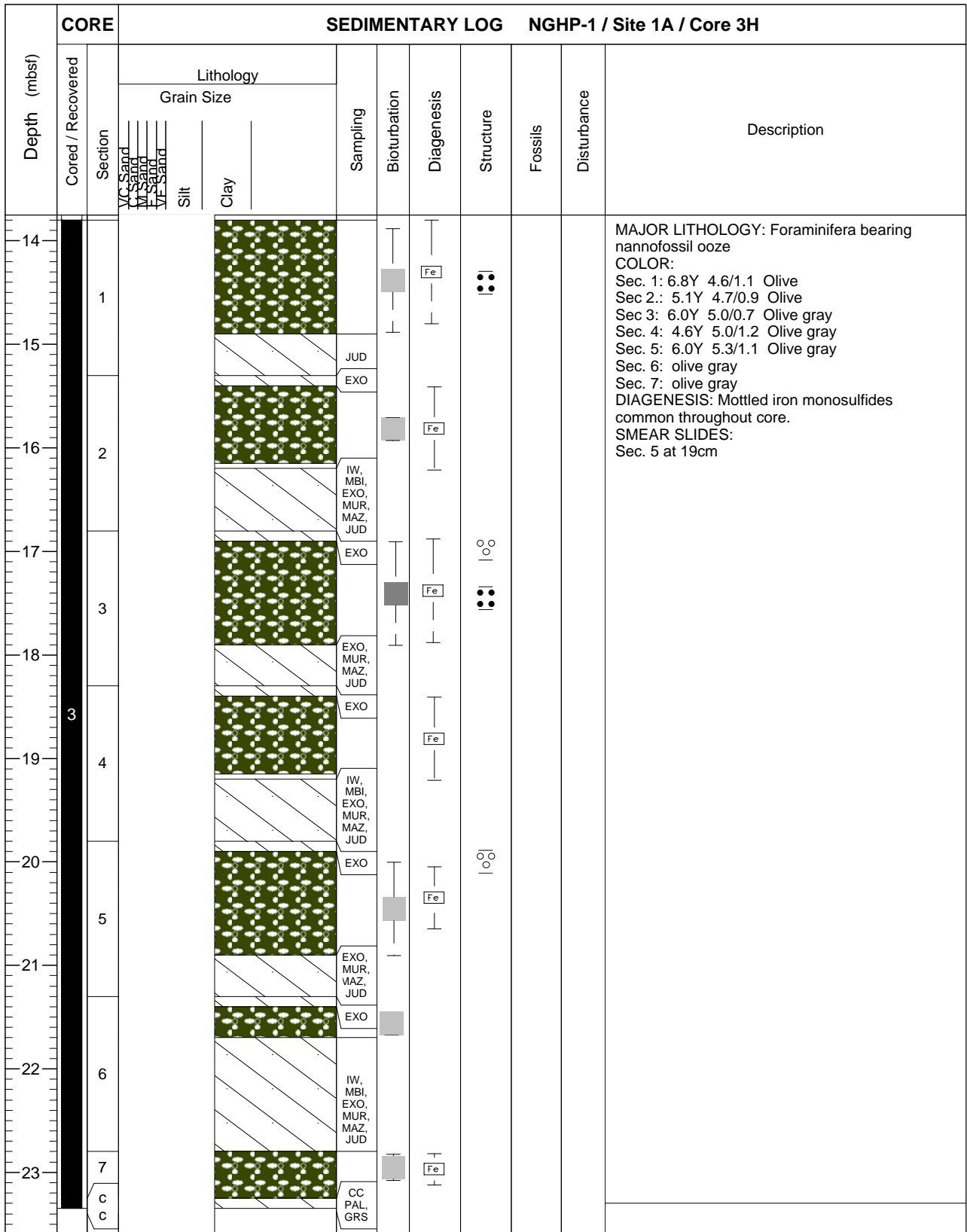
Disturbance:

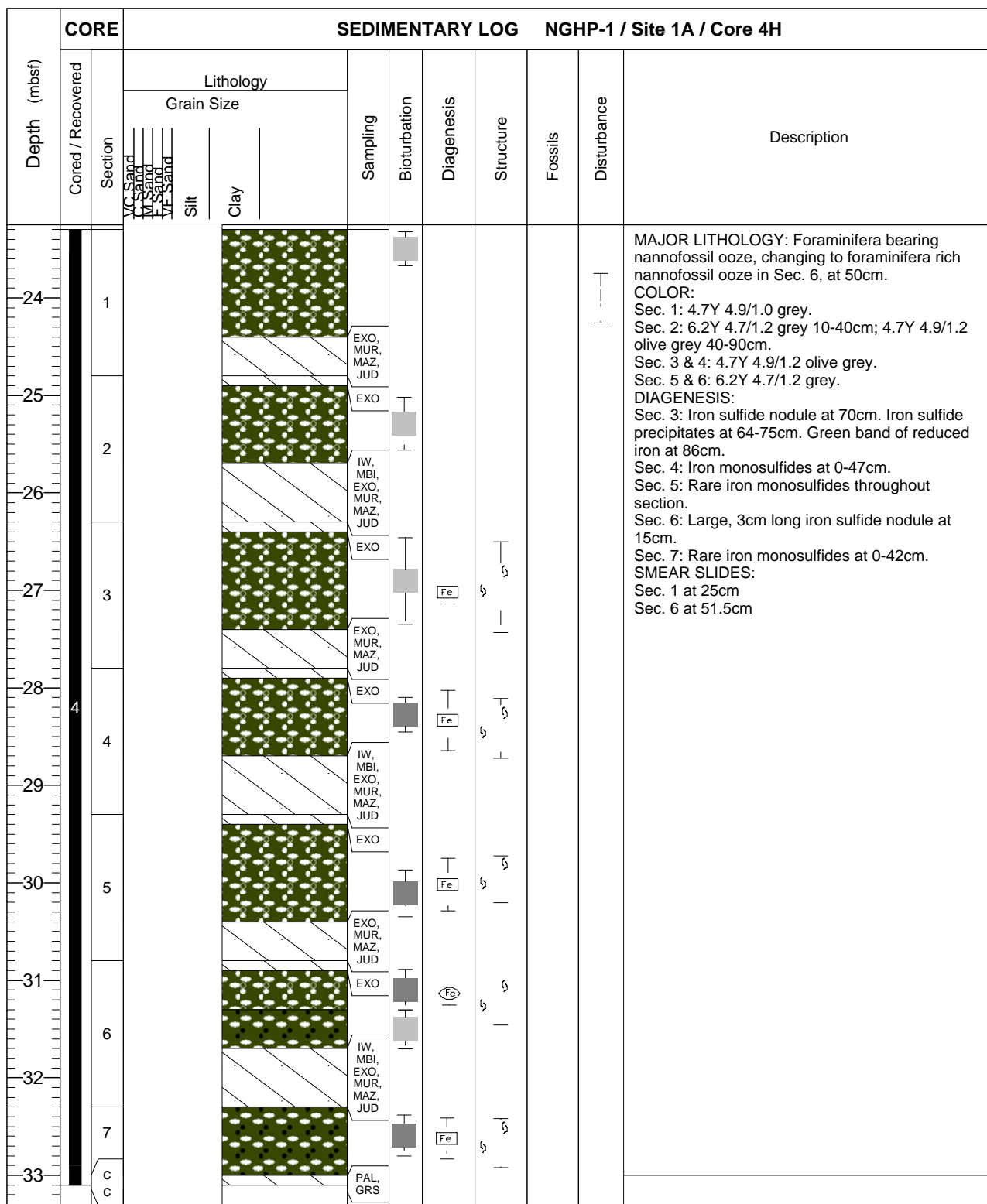


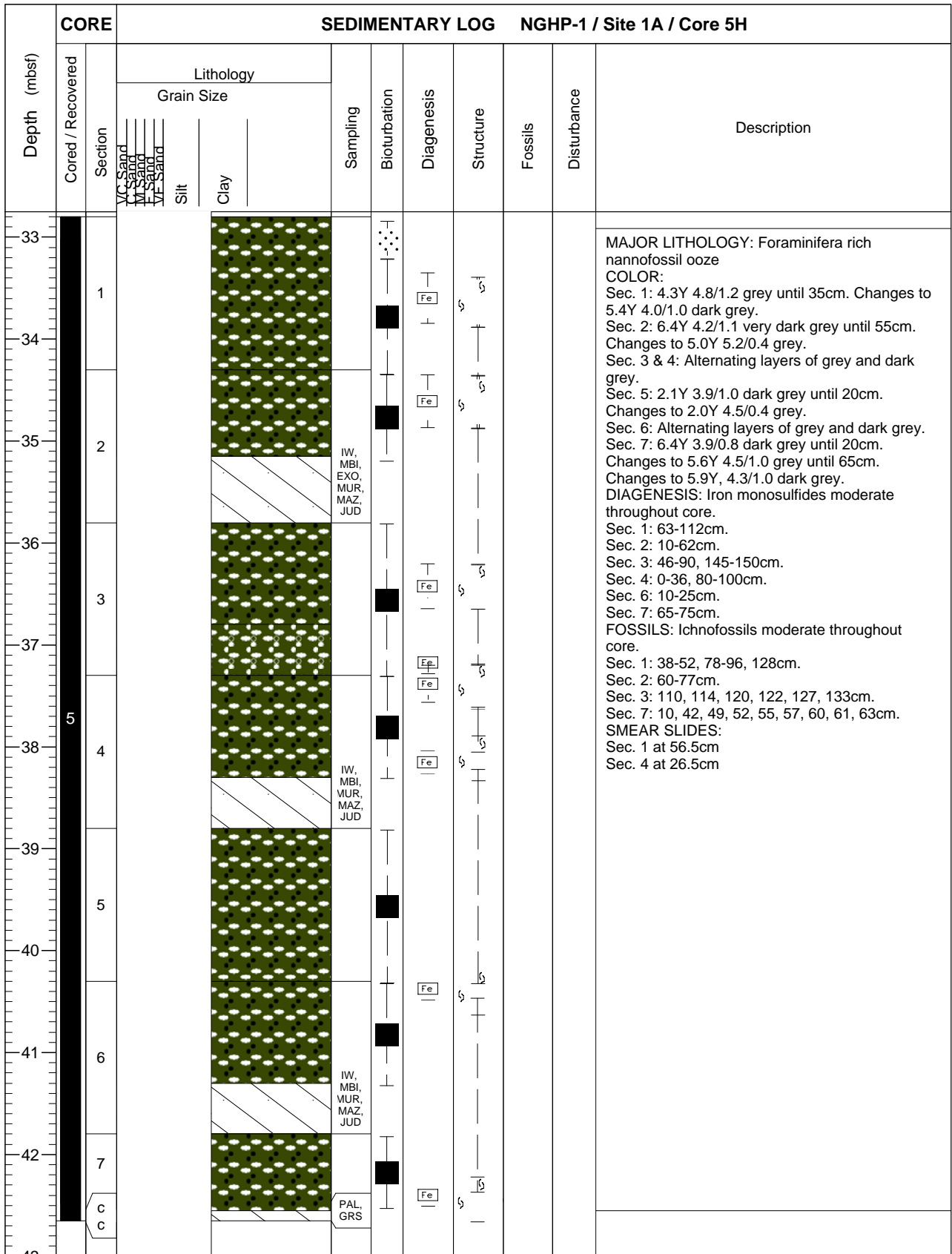
Biscuit & Slurry

CORE		SEDIMENTARY LOG							NGHP 01 / Site 01A / Core 1H		
Depth (mbsf)	Cored / Recovered	Lithology		Sampling	Bioturbation	Diagenesis	Structure	Fossils	Disturbance	Description	
		Grain Size									
		Silt	Clay								
0.0	1	VC Sand C Sand M Sand F Sand Silt Clay	[Diagonal lines]	JUD						<p>MAJOR LITHOLOGY: Nannofossil rich clay COLOR: Sec. 1: 4.3Y 5.2/1.0 Gray Sec. 2: 6.0Y 5.2/0.9 Gray Sec. 3: 5.8Y 5.3/1.0 Gray MINOR LITHOLOGY: Silt Sec. 2: Silt laminae 82, 84cm. DIAGENESIS: Sec. 1: Redox bands, green and discontinuous throughout section. Burrows at 78-80cm. Sec. 2: Redox bands, green and discontinuous throughout. FeS mottling at 53cm. Burrows at 20-42cm. Sec. 3: FeS mottling throughout. Bioturbation common throughout SMEAR SLIDES: Sec. 1 at 70cm.</p>	
1.0			[Green with white dots]	EXO, MUR, MAZ, JUD	[Grey square]		[Dotted pattern]		[Wavy lines]		
2.0			[Green with white dots]	EXO	[Grey square]	[Dotted pattern]	[Fe]	[Dotted pattern]			
3.0			[Diagonal lines]	IW, MBI, EXO, MUR, MAZ, JUD							
4.0			[Green with white dots]	EXO	[Grey square]	[Fe]					
4.0			[Diagonal lines]	EXO, MUR, MAZ, JUD							
4.0			[Diagonal lines]	ALEO 3RAIN							

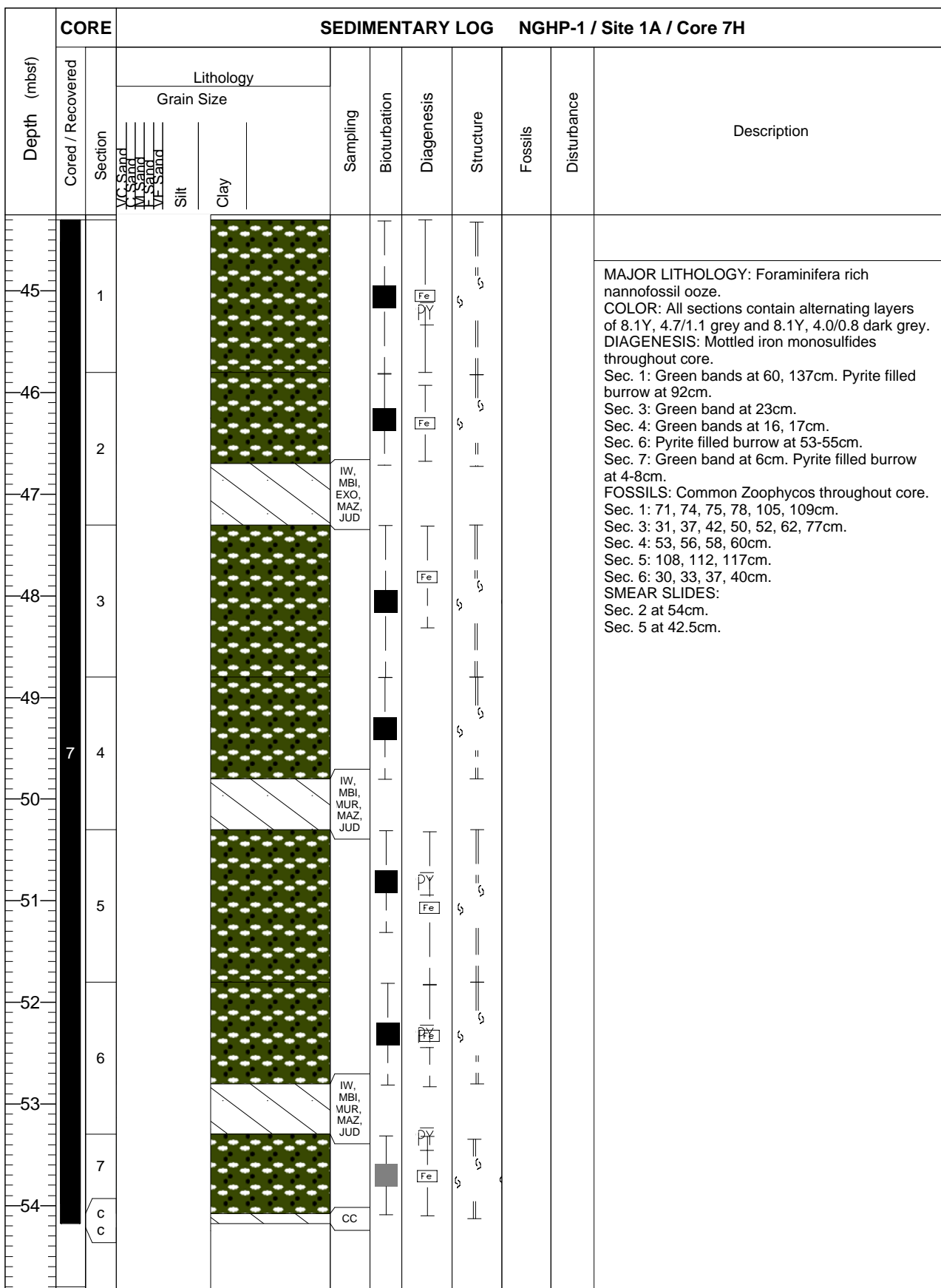


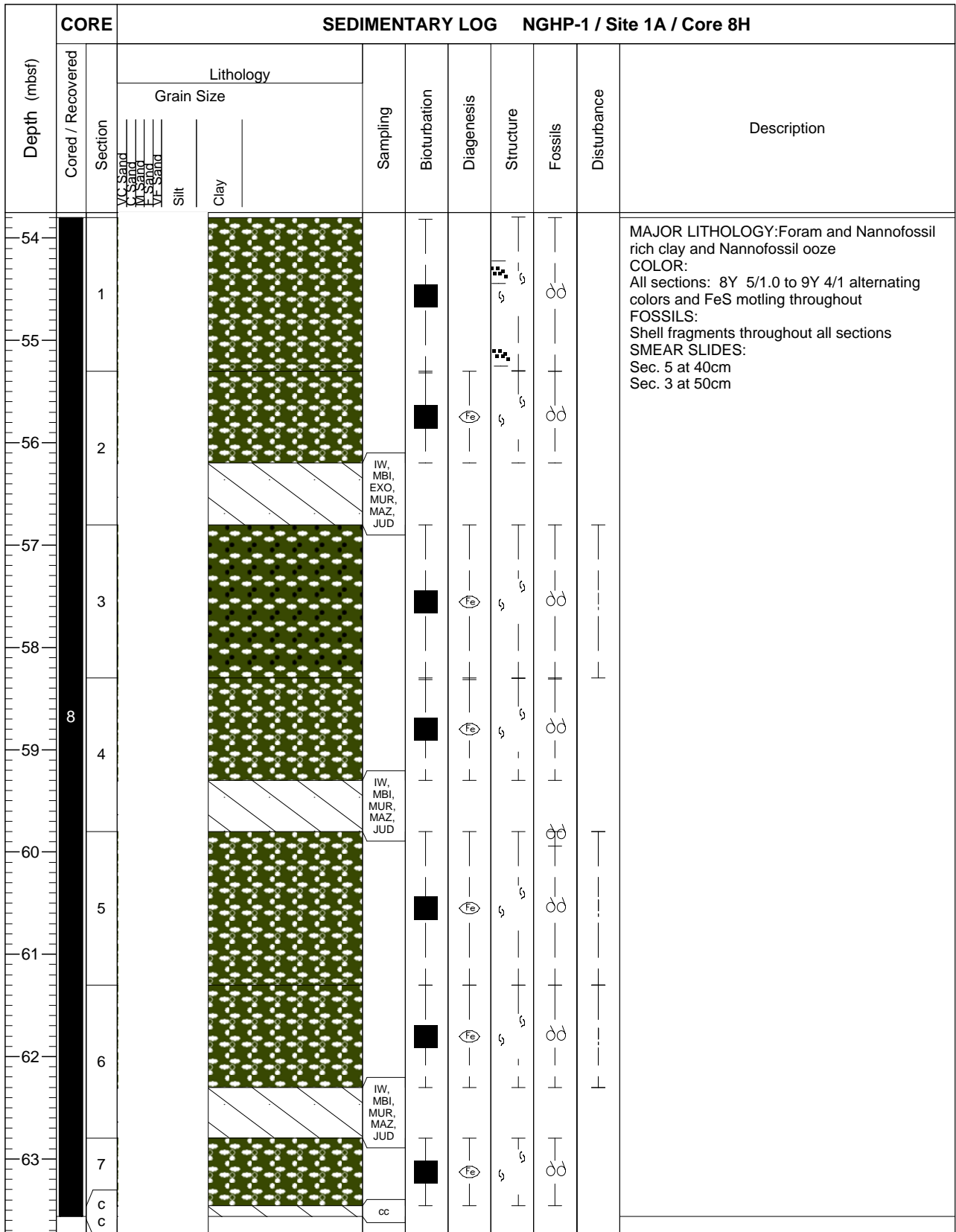


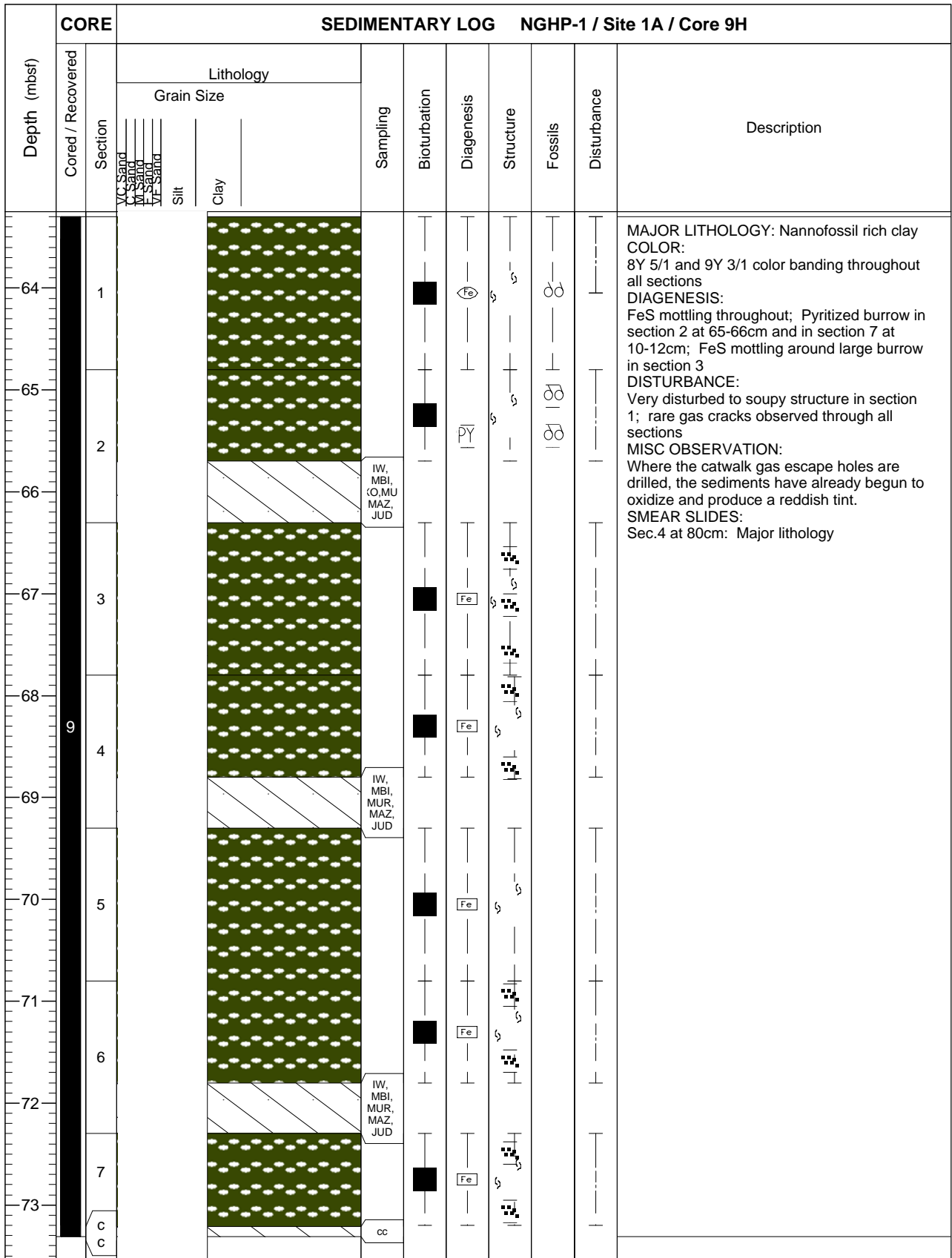


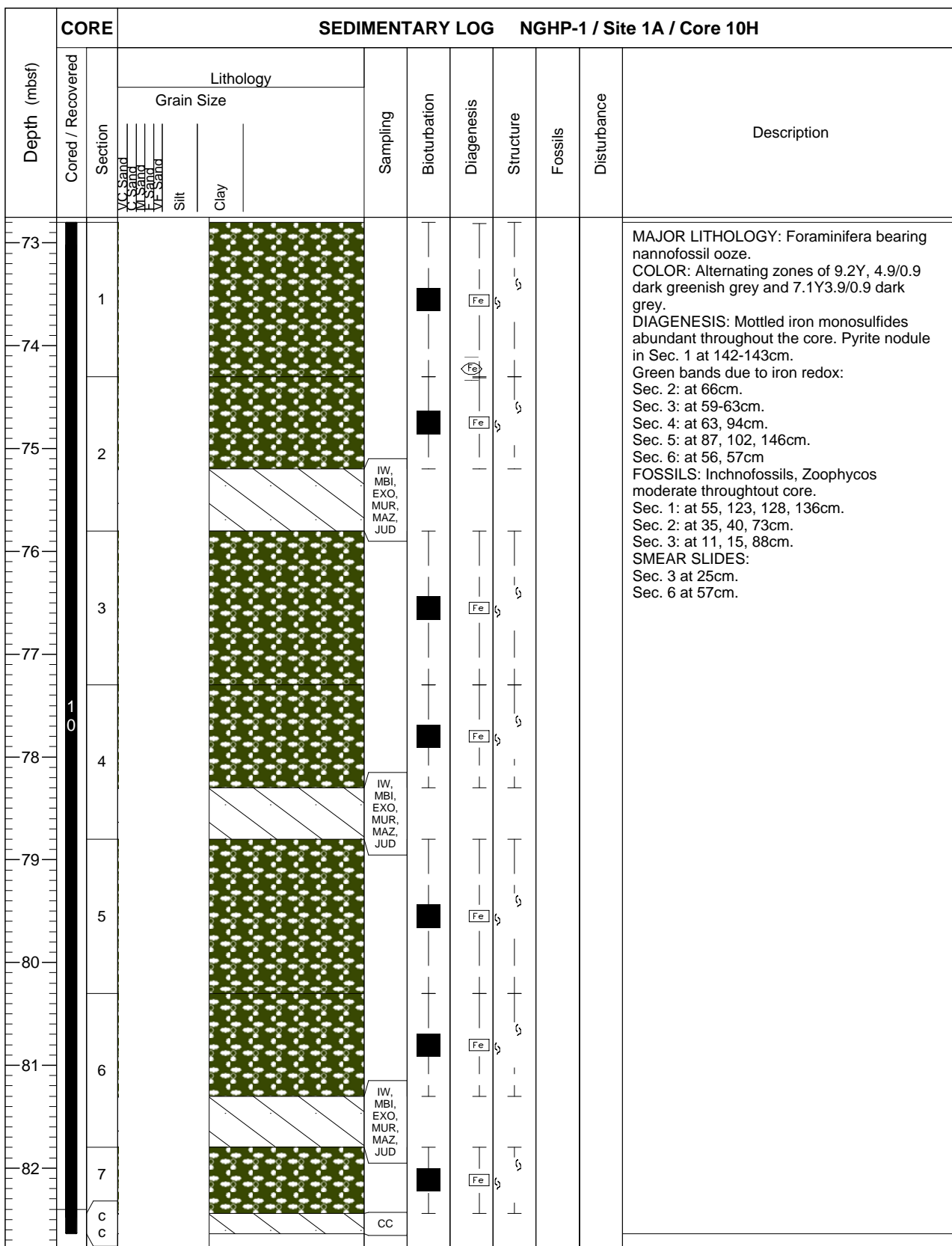


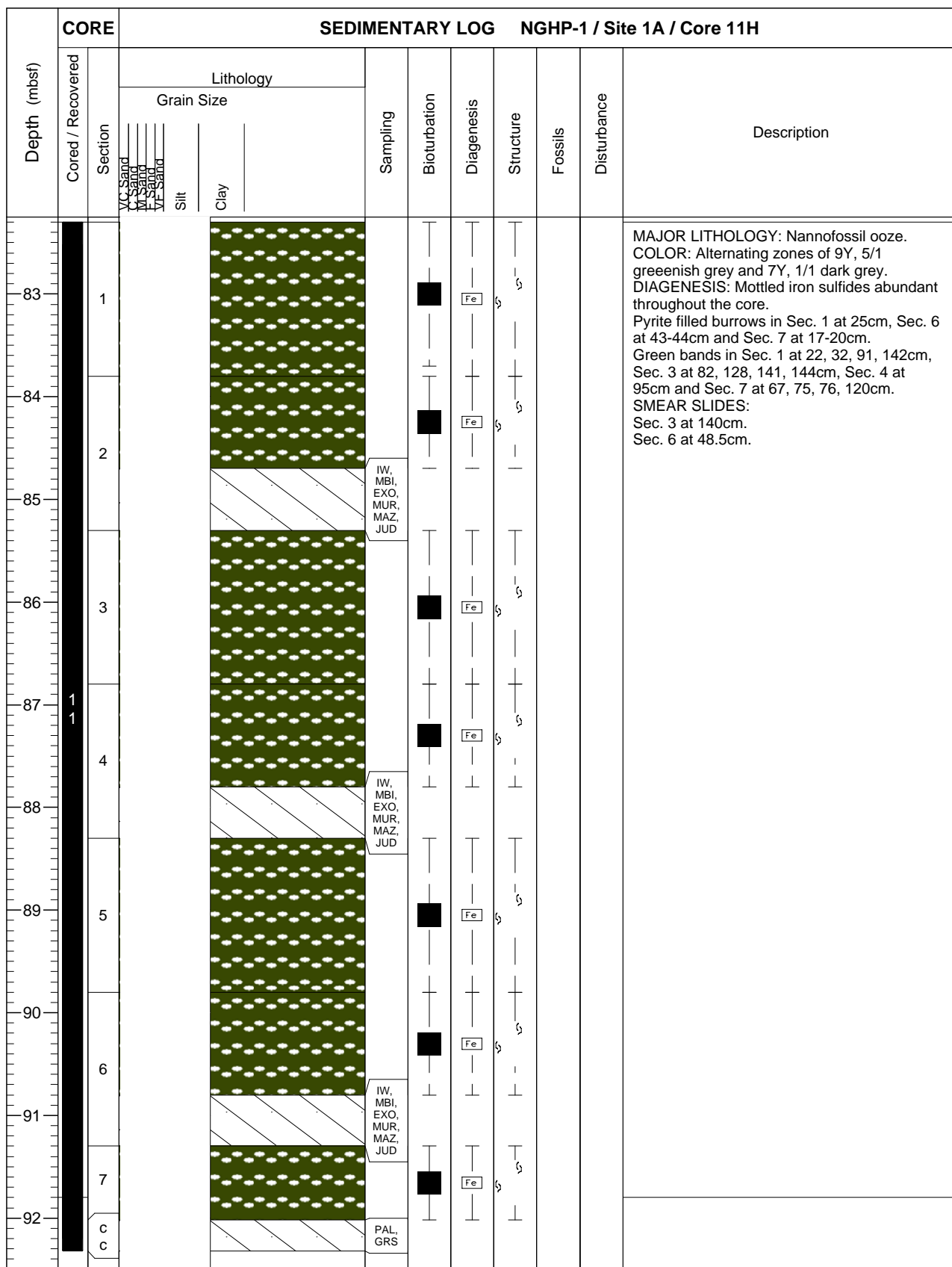
CORE		SEDIMENTARY LOG NGHP-1 / Site 1A / Core 6P									
Depth (mbsf)	Cored / Recovered	Section	Lithology		Sampling	Bioturbation	Diagenesis	Structure	Fossils	Disturbance	Description
			Grain Size								
			VC Sand C Sand M Sand F Sand V Sand	Silt Clay							
43	6	1					Fe	§		MAJOR LITHOLOGY: Foraminifera rich nannofossil ooze COLOR: 5Y 4.5/1 grey DIAGENESIS: Mottled iron monosulfides throughout core DISTURBANCE: Very disturbed throughout SMEAR SLIDES: Sec. 1 at 39.5	
44					JUD, MAZ, MUR		Fe	§			
44					MASS IV						



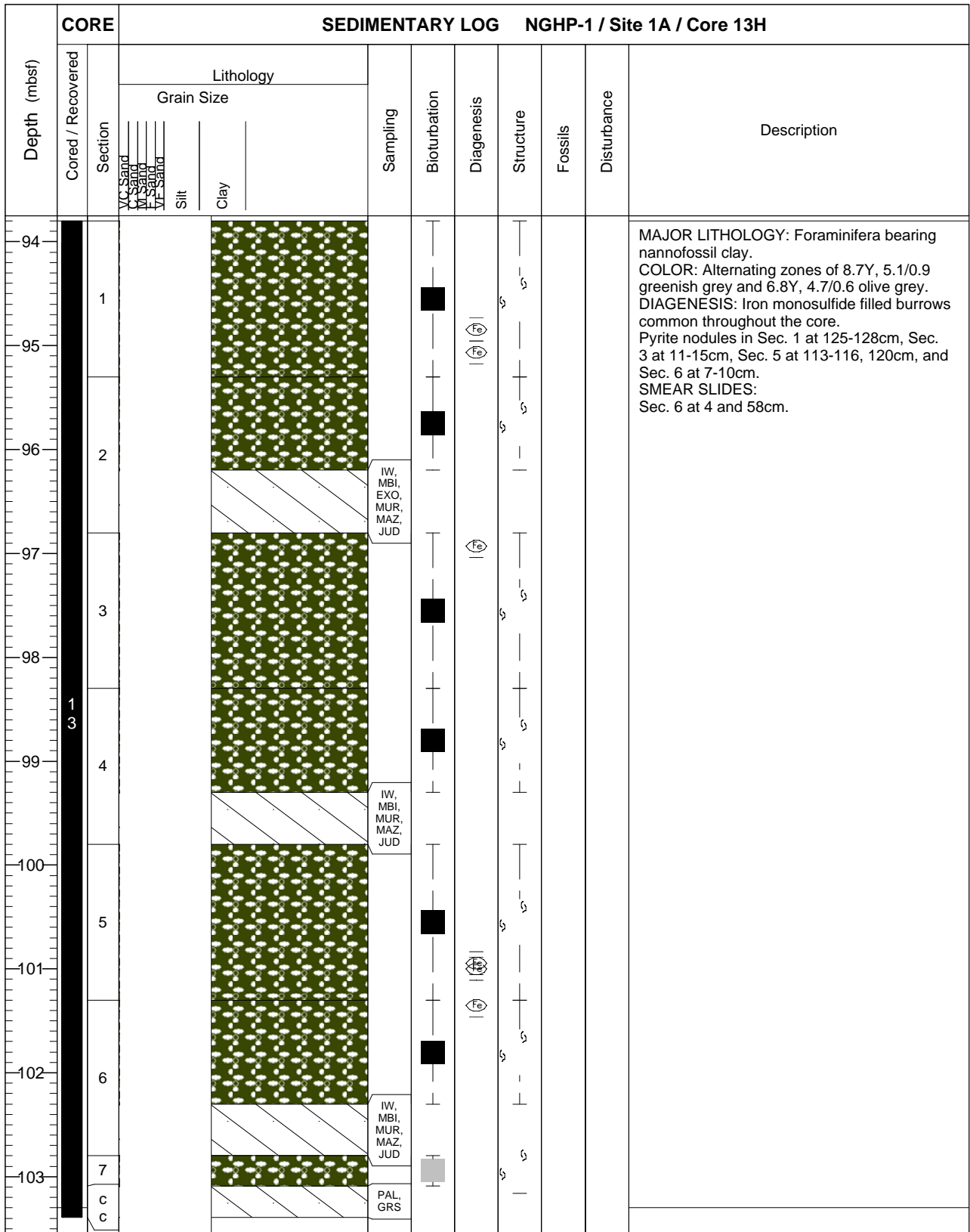


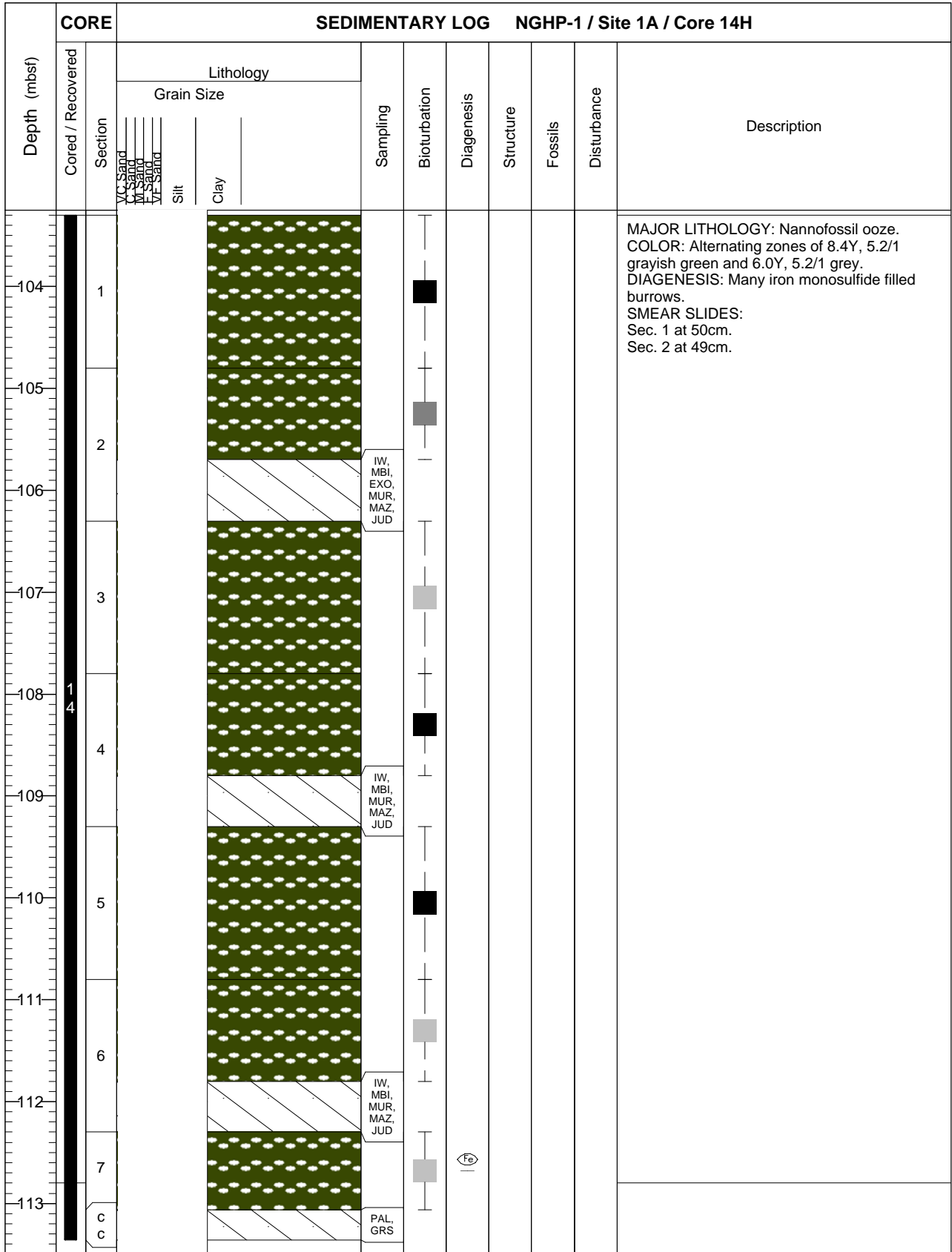


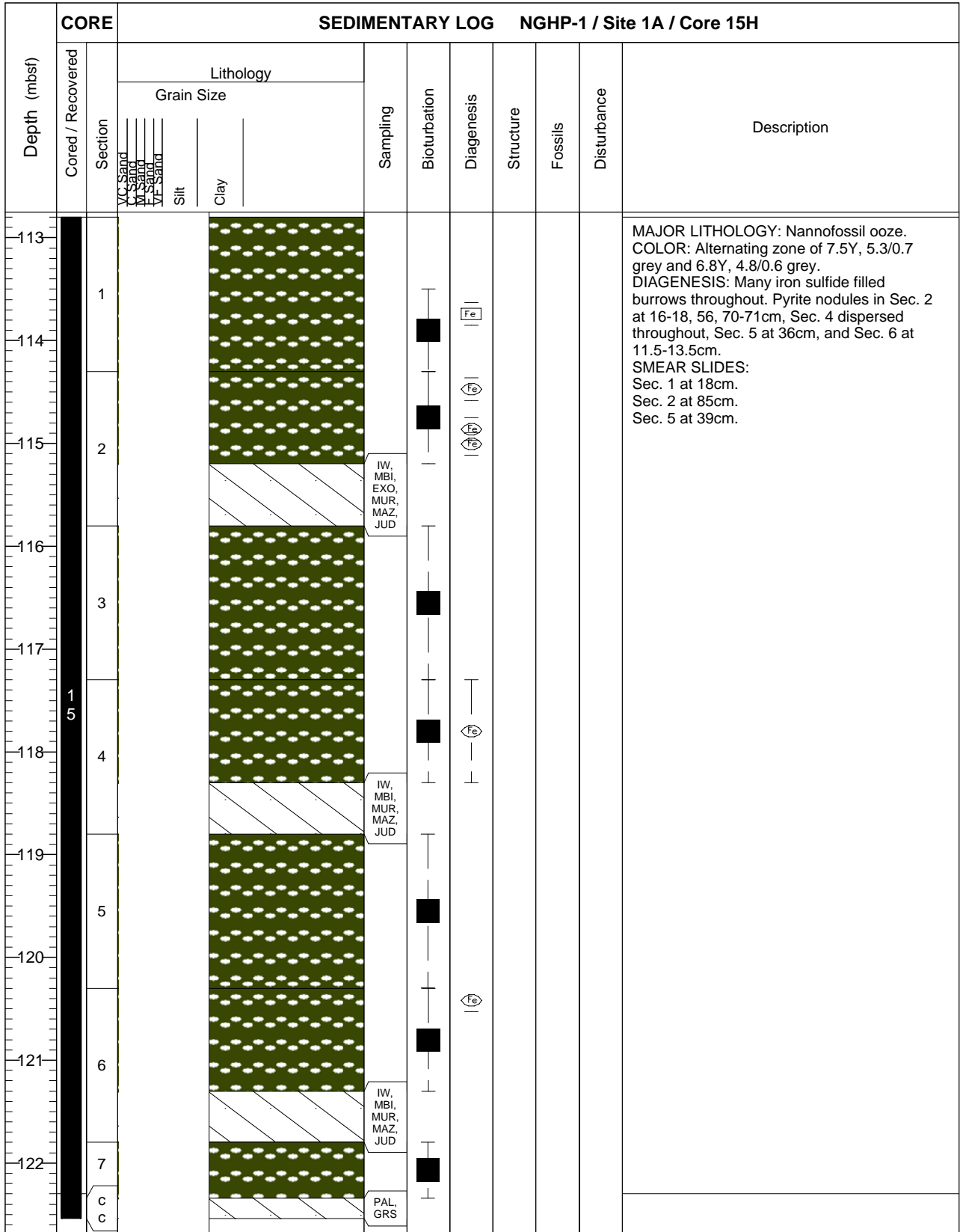


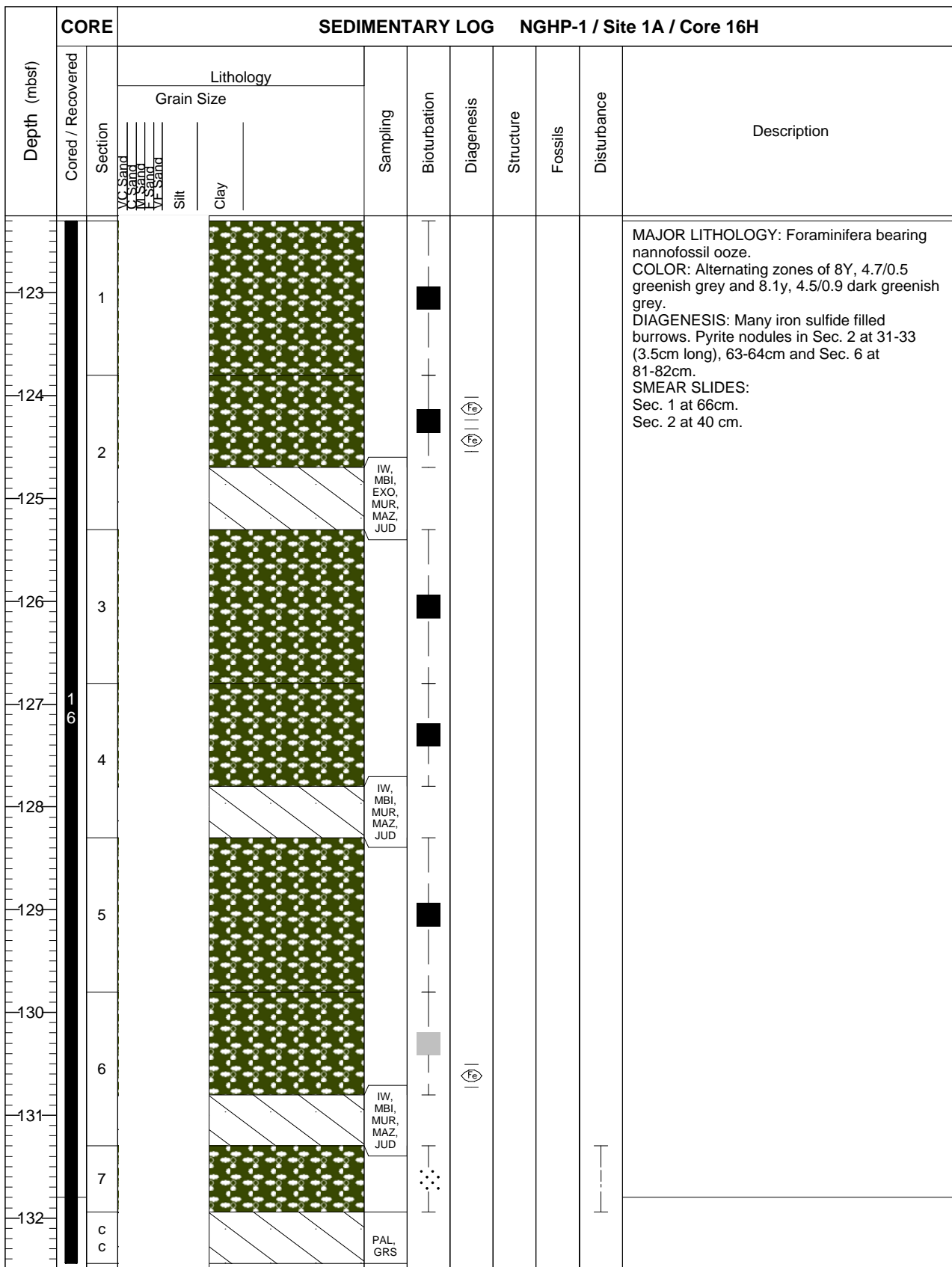


CORE		SEDIMENTARY LOG NGHP-1 / Site 1A / Core 12P									
Depth (mbstf)	Cored / Recovered	Section	Lithology		Sampling	Bioturbation	Diagenesis	Structure	Fossils	Disturbance	Description
			Grain Size								
			VC Sand								
			VC Sand								
			VC Sand								
			VC Sand								
			VC Sand								
			Silt								
			Clay								
92											No core recovered

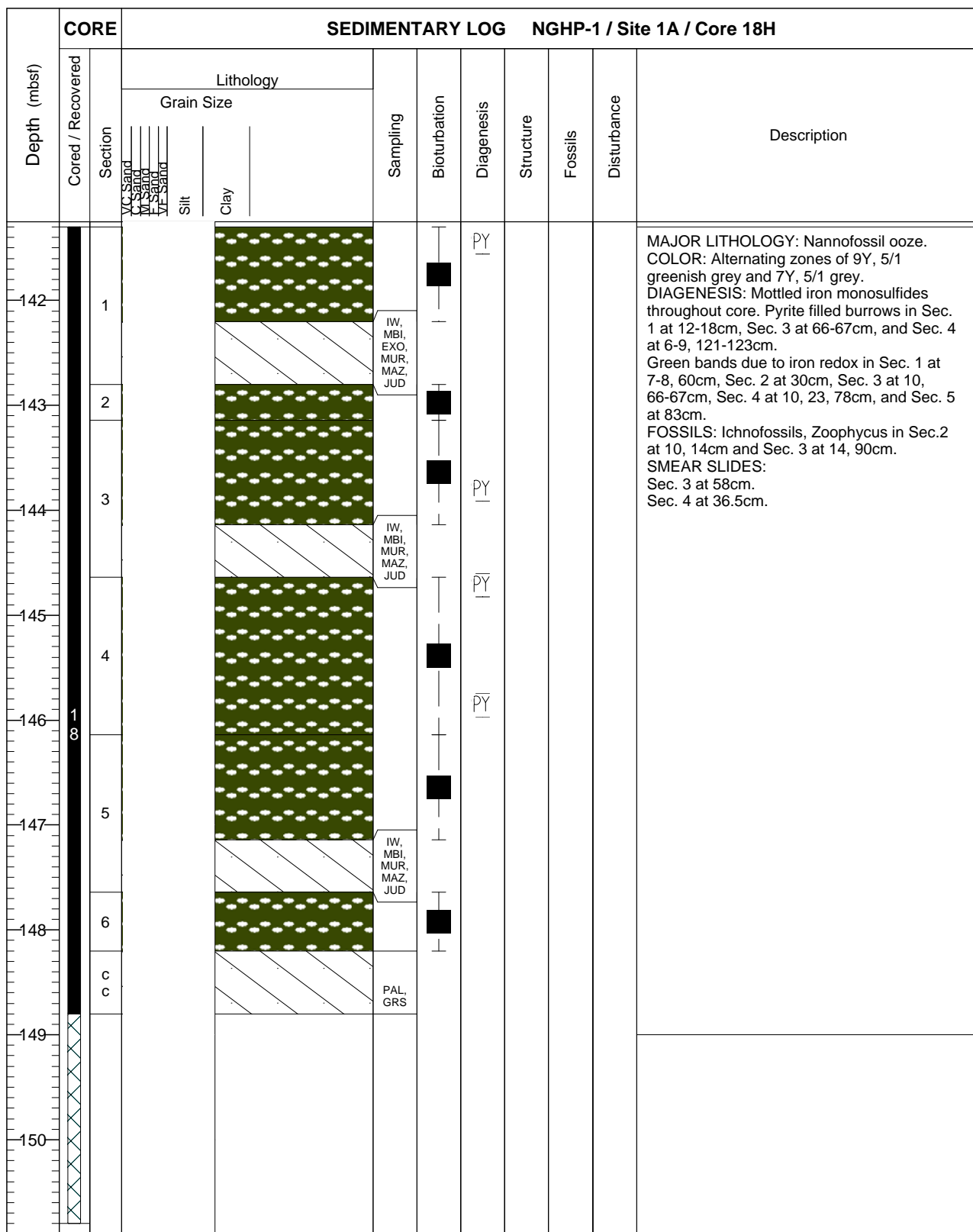






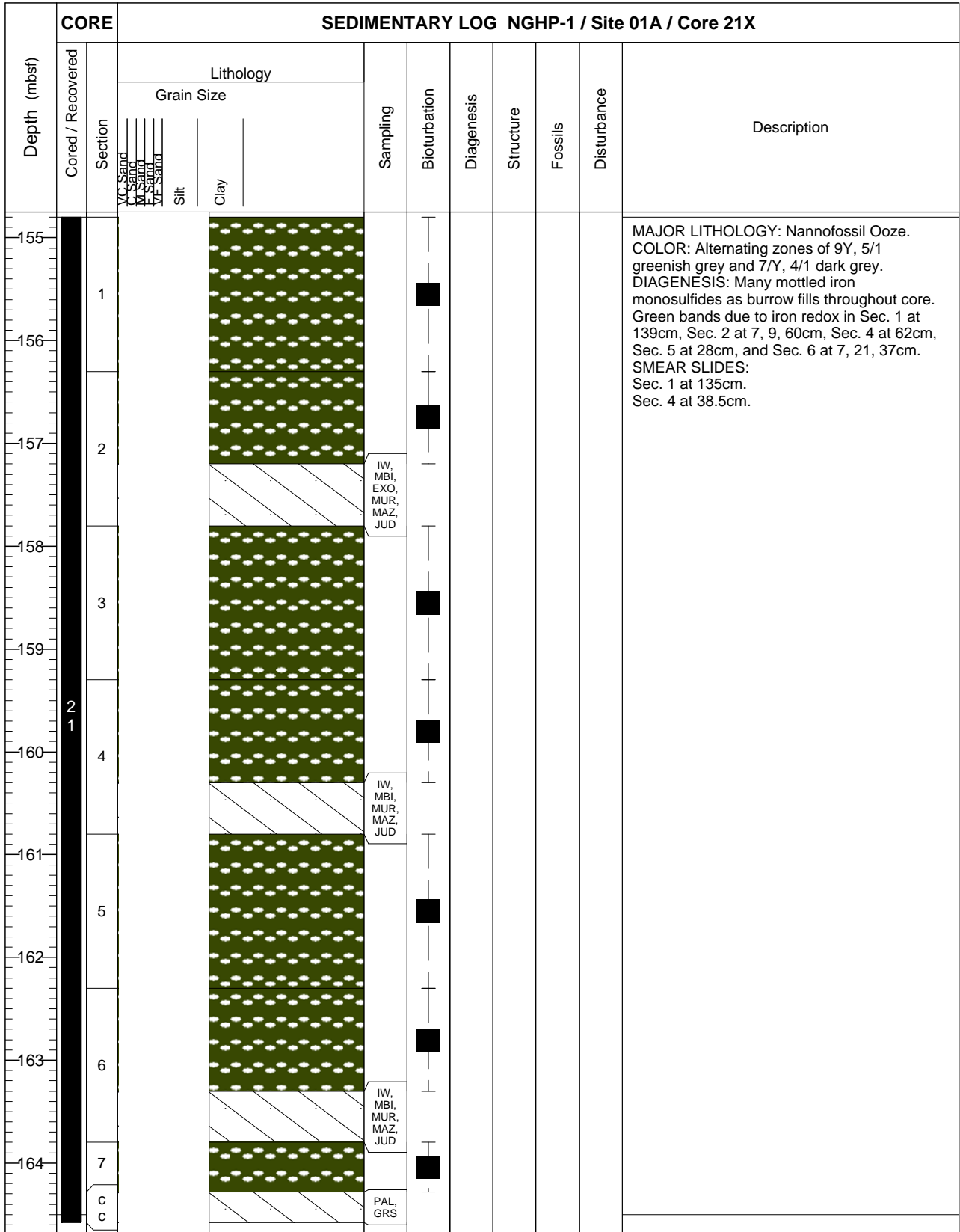


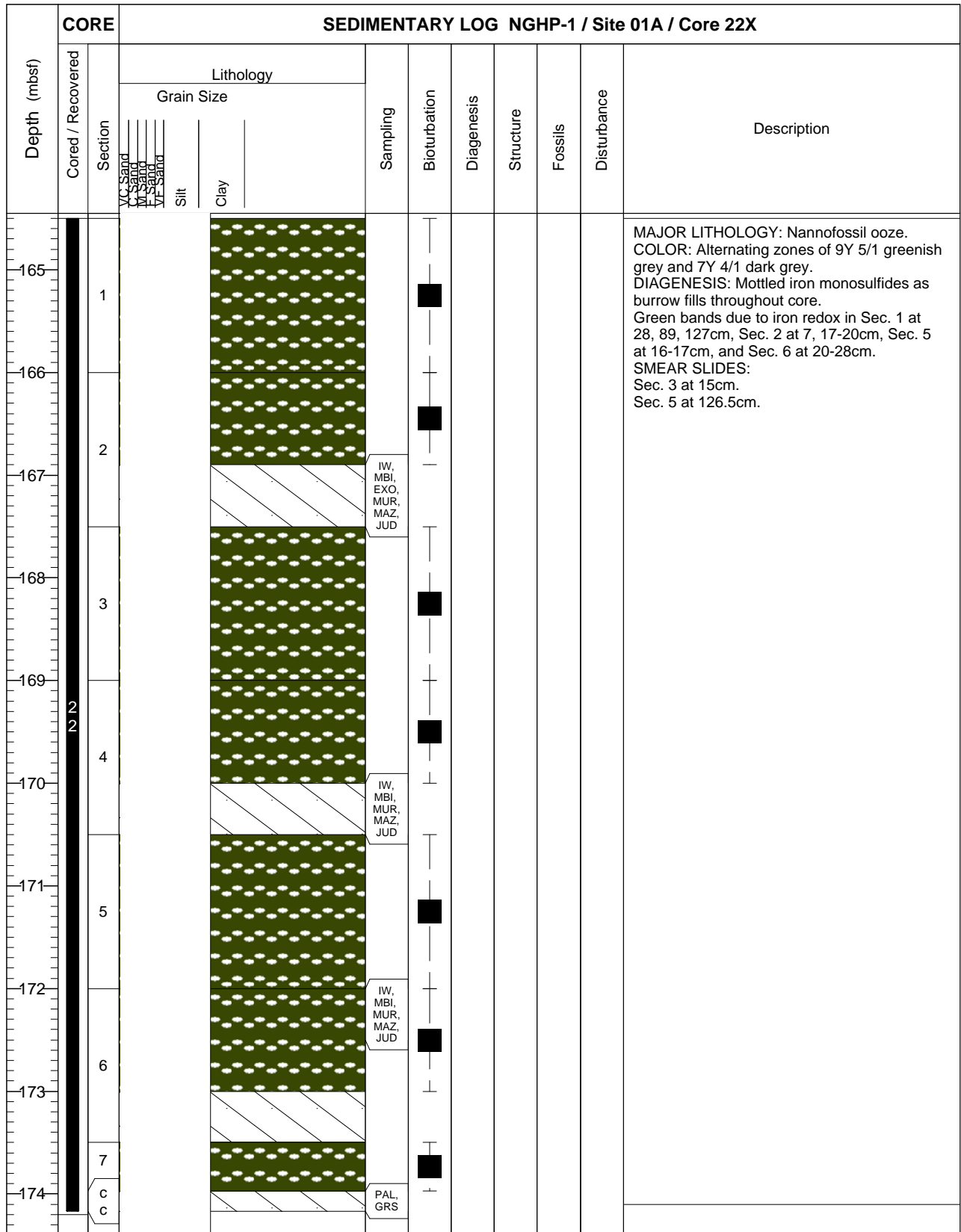
CORE		SEDIMENTARY LOG NGHP-1 / Site 1A / Core 17H								
Depth (mbstf)	Cored / Recovered	Lithology		Sampling	Bioturbation	Diagenesis	Structure	Fossils	Disturbance	Description
		Section	Grain Size							
		VC Sand								
		W Sand								
		VF Sand								
		Silt								
		Clay								
132	1									<p>MAJOR LITHOLOGY: Nannofossil ooze. COLOR: Alternating zones of 10Y 4/1 dark greenish grey and 10Y 5/1 greenish grey. DIAGENESIS: Green bands due to iron redox in Sec. 3 at 113-114, 133-134cm. SMEAR SLIDES: Sec. 1 at 39cm. Sec. 3 at 53cm.</p>
133										
134	2									
135				IW, MBI, EXO, MUR, MAZ, JUD						
136	3									
137										
138	4			IW, MBI, MUR, MAZ, JUD						
139	5									
140	6			IW, MBI, MUR, MAZ, JUD						
141	c			PAL, GRS						

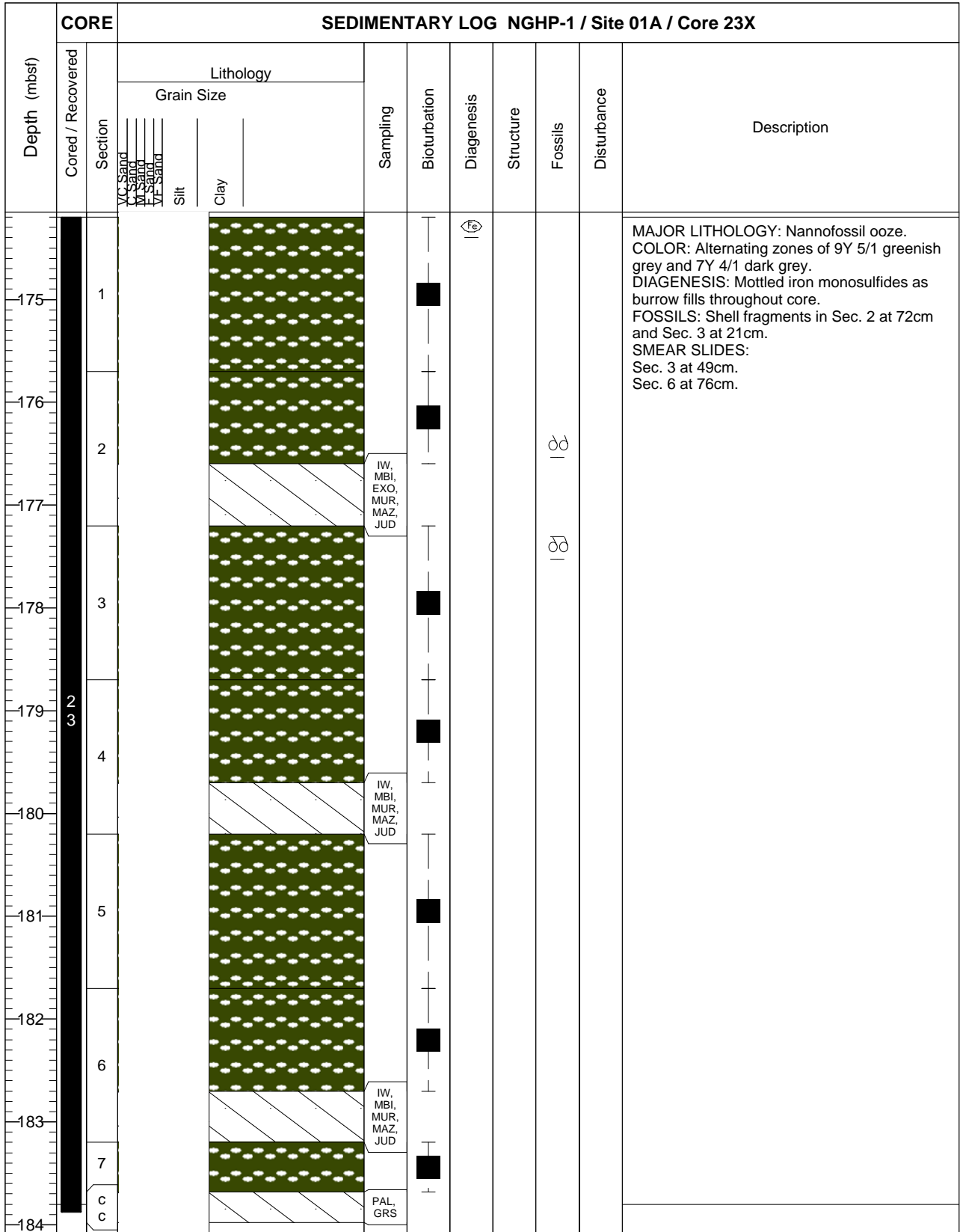


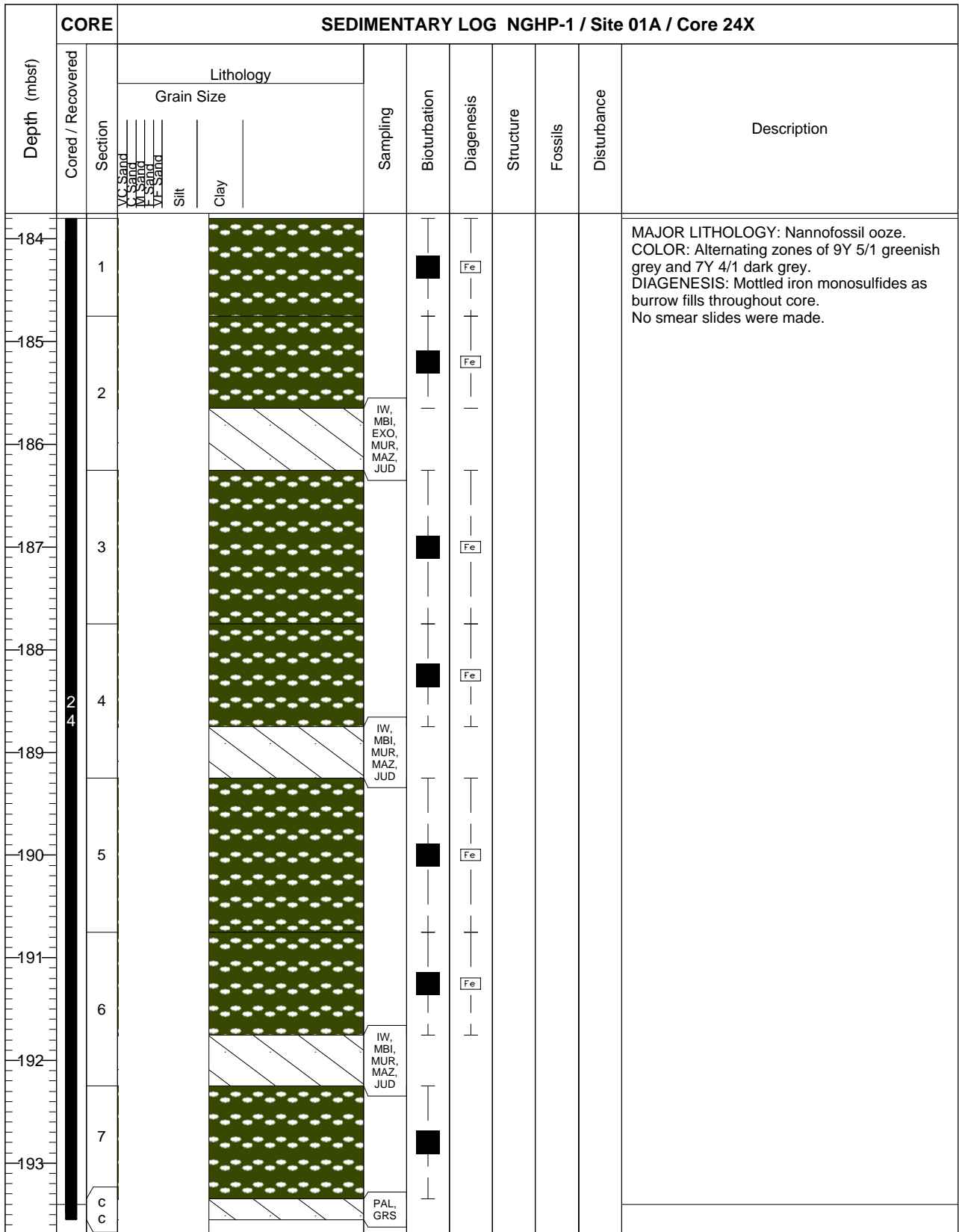
CORE		SEDIMENTARY LOG NGHP-1 / Site 1A / Core 19H									
Depth (mbst)	Cored / Recovered	Section	Lithology		Sampling	Bioturbation	Diagenesis	Structure	Fossils	Disturbance	Description
			Grain Size								
			VC Sand V Sand IV Sand VF Sand Silt Clay								
151	1 9	1			IW, MBI, EXO, MUR, MAZ, JUD						MAJOR LITHOLOGY: Nannofossil ooze. COLOR: Alternating zones of 9Y, 5/1 greenish grey and 7Y, 4/1 dark grey. DIAGENESIS: Mottled iron sulfides throughout. Green bands due to iron redox in Sec. 1 at 16, 36, 68, 70cm. SMEAR SLIDES: Sec. 1 at 64cm.
152		2									
153		c c				PAL, GRS					

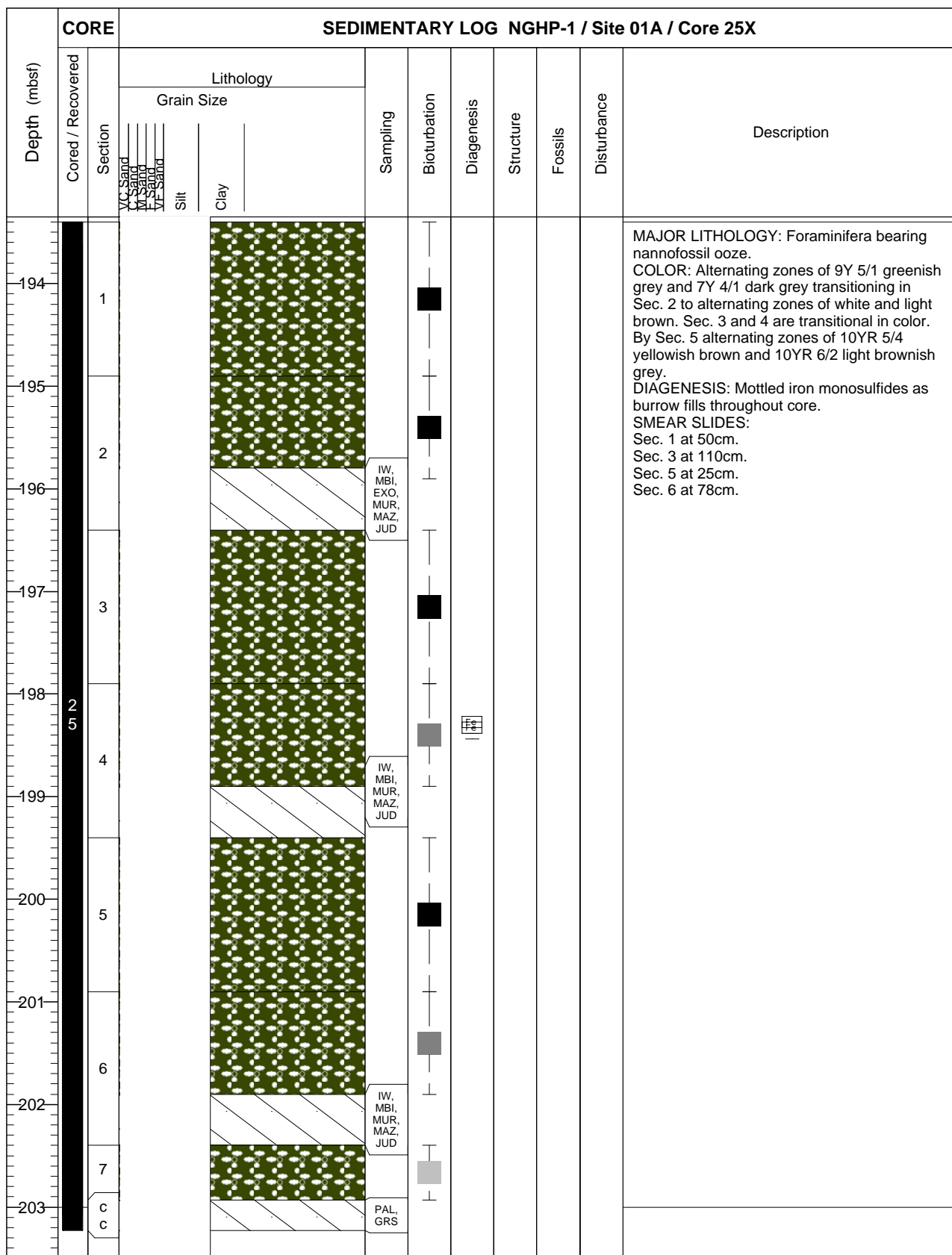
Depth (mbfs)	CORE										SEDIMENTARY LOG NGHP-1 / Site 01A / Core 20P									
	Cored / Recovered	Section	Lithology		Sampling	Bioturbation	Diagenesis	Structure	Fossils	Disturbance	Description									
			Grain Size																	
			VC Sand	VC Sand																
154	20	1									MAJOR LITHOLOGY: Nannofossil ooze. COLOR: 7Y 4/1 dark grey with zones of light grey. DIAGENESIS: Mottled iron monosulfides throughout core. SMEAR SLIDE: Sec. 1 at 16cm.									
					JUD, MUR, MAZ															
							MASS, IW													
155																				

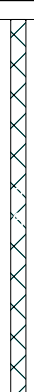


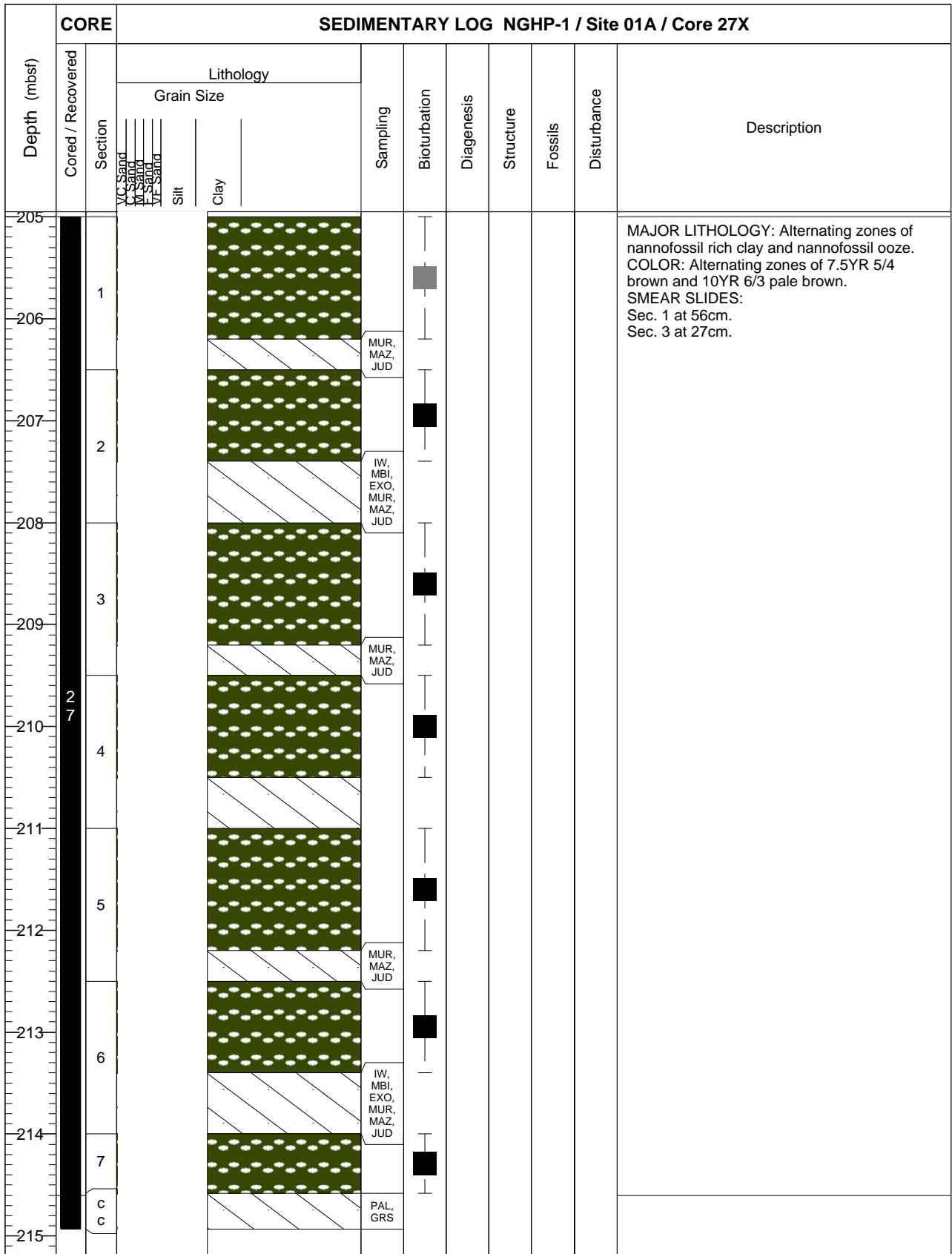




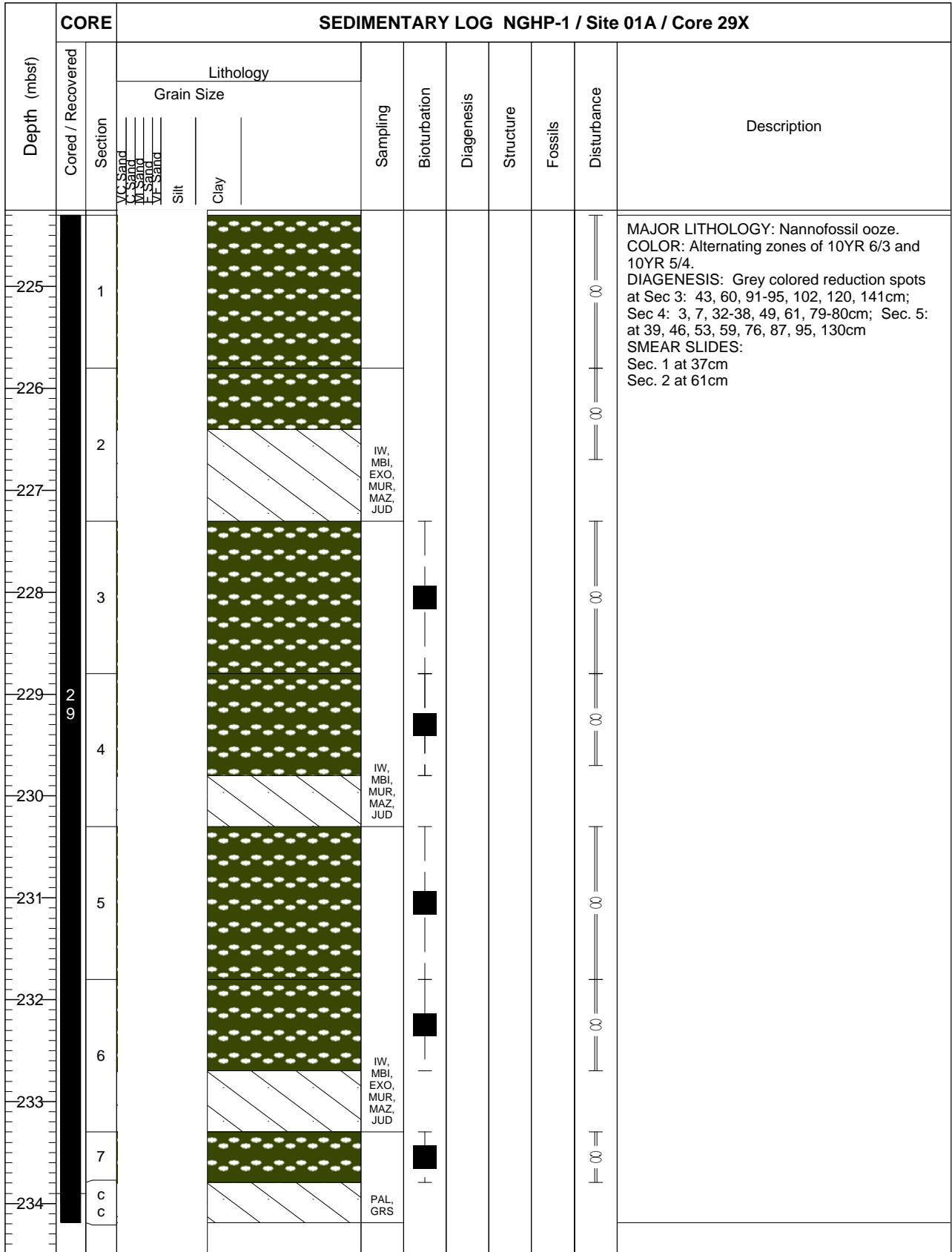


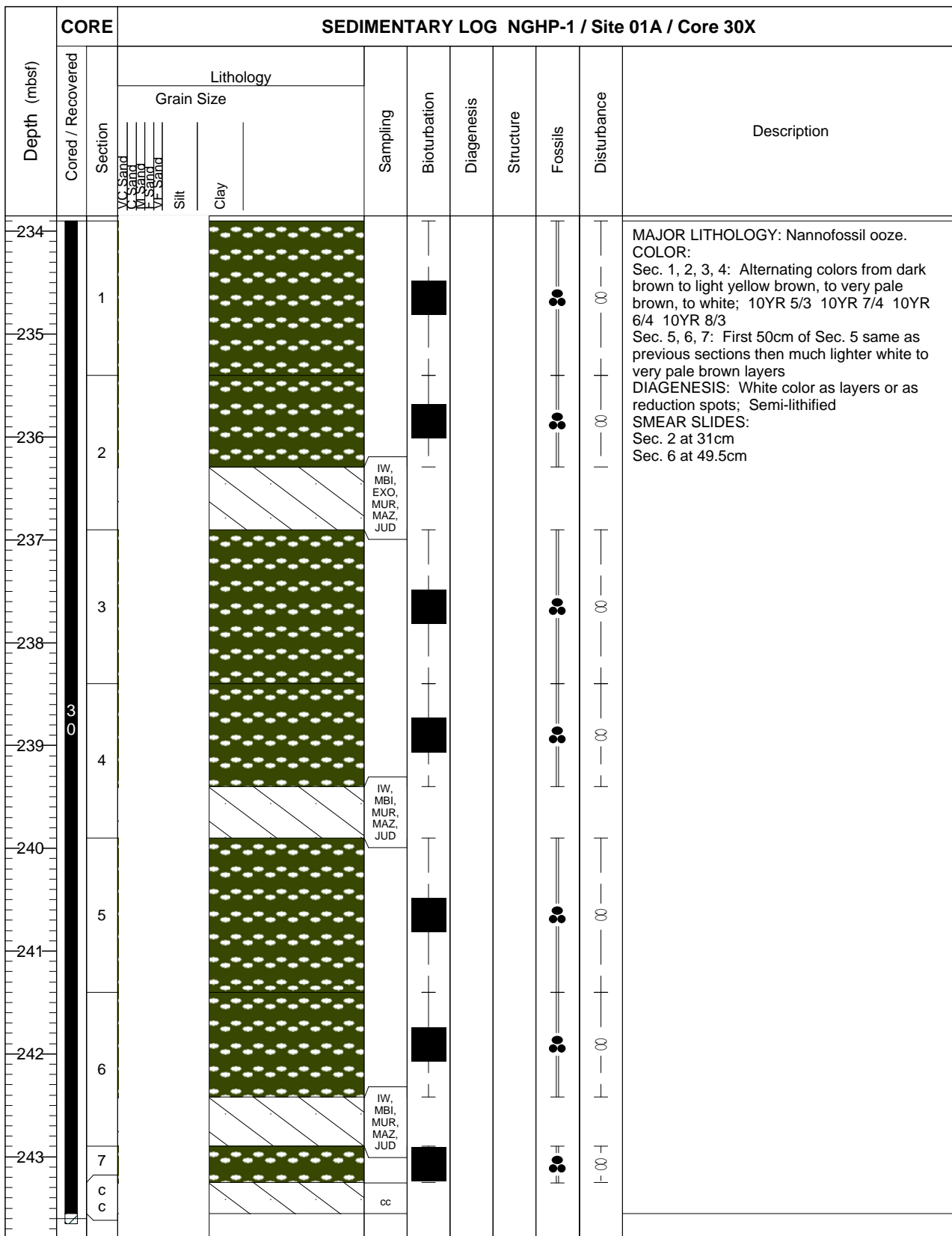



CORE		SEDIMENTARY LOG NGHP-1 / Site 01A / Core 26P										
		Depth (mbst)	Cored / Recovered	Lithology			Sampling	Bioturbation	Diagenesis	Structure	Fossils	Disturbance
Section	Grain Size											
			VC Sand									
			VC Sand									
			VC Sand									
			VC Sand									
			Silt									
			Clay									
203												No core was recovered.
204												



CORE		SEDIMENTARY LOG NGHP-1 / Site 01A / Core 28X								
Depth (mbst)	Cored / Recovered	Lithology		Sampling	Bioturbation	Diagenesis	Structure	Fossils	Disturbance	Description
		Section	Grain Size							
		VC Sand V Sand M Sand VF Sand	Silt Clay							
215	1									<p>MAJOR LITHOLOGY: Nannofossil ooze. COLOR: Alternating zones of 10YR, 5/4 yellowish brown and 10YR 7/4 very pale brown. SMEAR SLIDES: Sec. 3 at 45cm. Sec. 5 at 30cm.</p>
216										
217	2			IW, MBI, EXO, MUR, MAZ, JUD						
218	3									
219	2									
220	4			IW, MBI, MUR, MAZ, JUD						
221	5									
222										
223	6			IW, MBI, EXO, MUR, MAZ, JUD						
224	7									
	c			PAL, GRS						





CORE		SEDIMENTARY LOG NGHP 1 / Site 1A / Core 31P									
Depth (mbstf)	Cored / Recovered	Section	Lithology		Sampling	Bioturbation	Diagenesis	Structure	Fossils	Disturbance	Description
			Grain Size								
			VC Sand								
			VC Sand								
			VC Sand								
			VC Sand								
			VC Sand								
			Silt								
			Clay								
244											No core was recovered.

CORE		SEDIMENTARY LOG NGHP 1 / Site 1A / Core 32X								
Depth (mbsf)	Cored / Recovered	Lithology		Sampling	Bioturbation	Diagenesis	Structure	Fossils	Disturbance	Description
		Section	Grain Size							
		VC Sand V Sand IV Sand VF Sand	Silt Clay							
246	1									<p>MAJOR LITHOLOGY: Nannofossil ooze. COLOR: Sec. 1 THROUGH6: Alternating colors from white to pale brown; 10YR 8/1 10YR 7/4 Sec. 3: Same as above except from 65 to 115cm where color is light gray to bright greenish gray in places DIAGENESIS: White colored reduction spots BIOTURBATION: Sec. 2: Zoophycus at 11, 15cm Sec. 3: Zoophycus at 97cm Sec. 4: Zoophycus at 47, 50, 51, 56, 60, 64, 67, 68, 71, 73, 76, 77, 79, 80, 81cm SMEAR SLIDES: Sec. 1 at 60cm Sec. 3 at 93cm</p>
247										
248	2			IW, MBI, EXO, MUR, MAZ, JUD						
249	3									
250	2									
251	4			IW, MBI, MUR, MAZ, JUD						
252	5									
253	6			IW, MBI, MUR, MAZ, JUD						
254	c			c						

