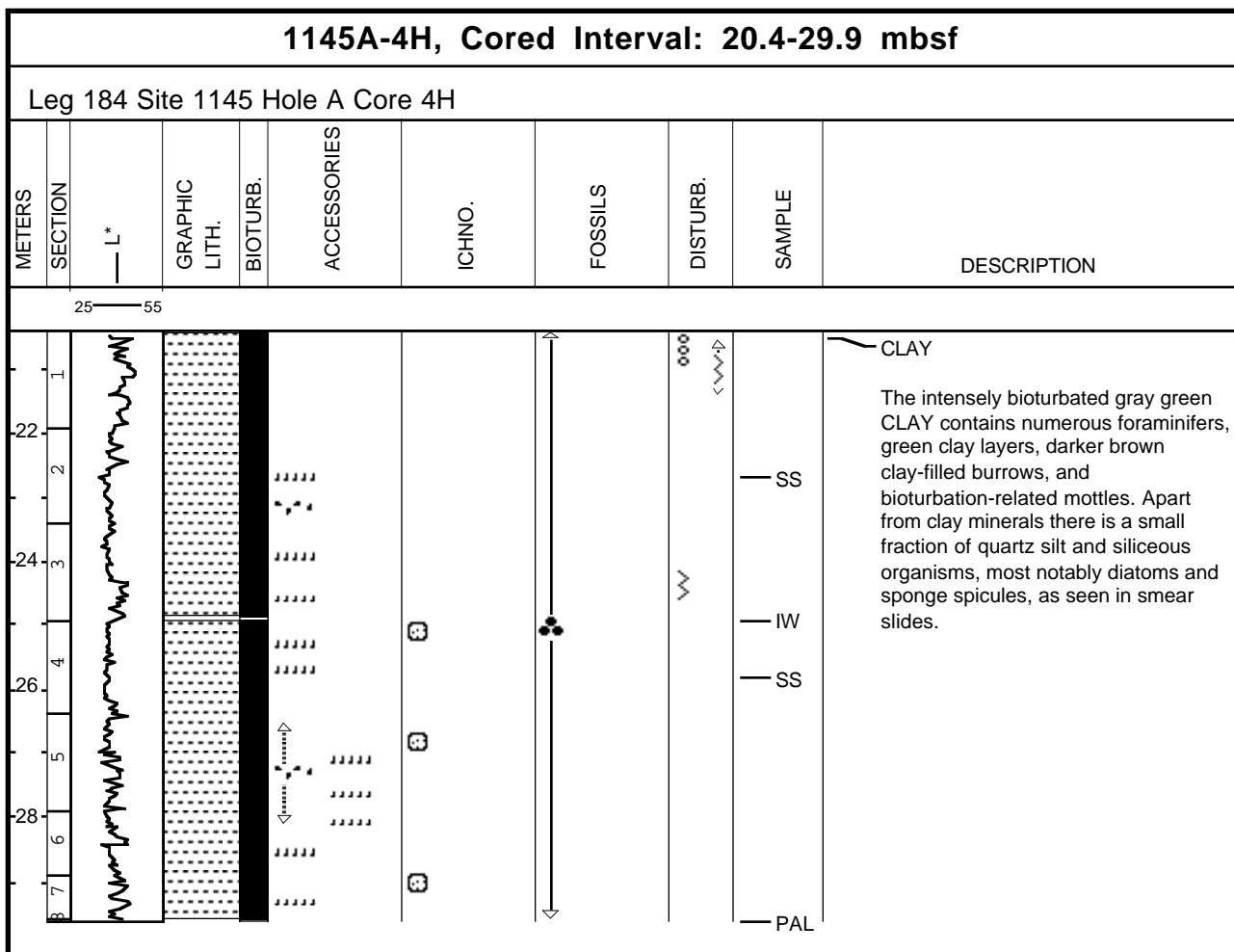


Core Photo

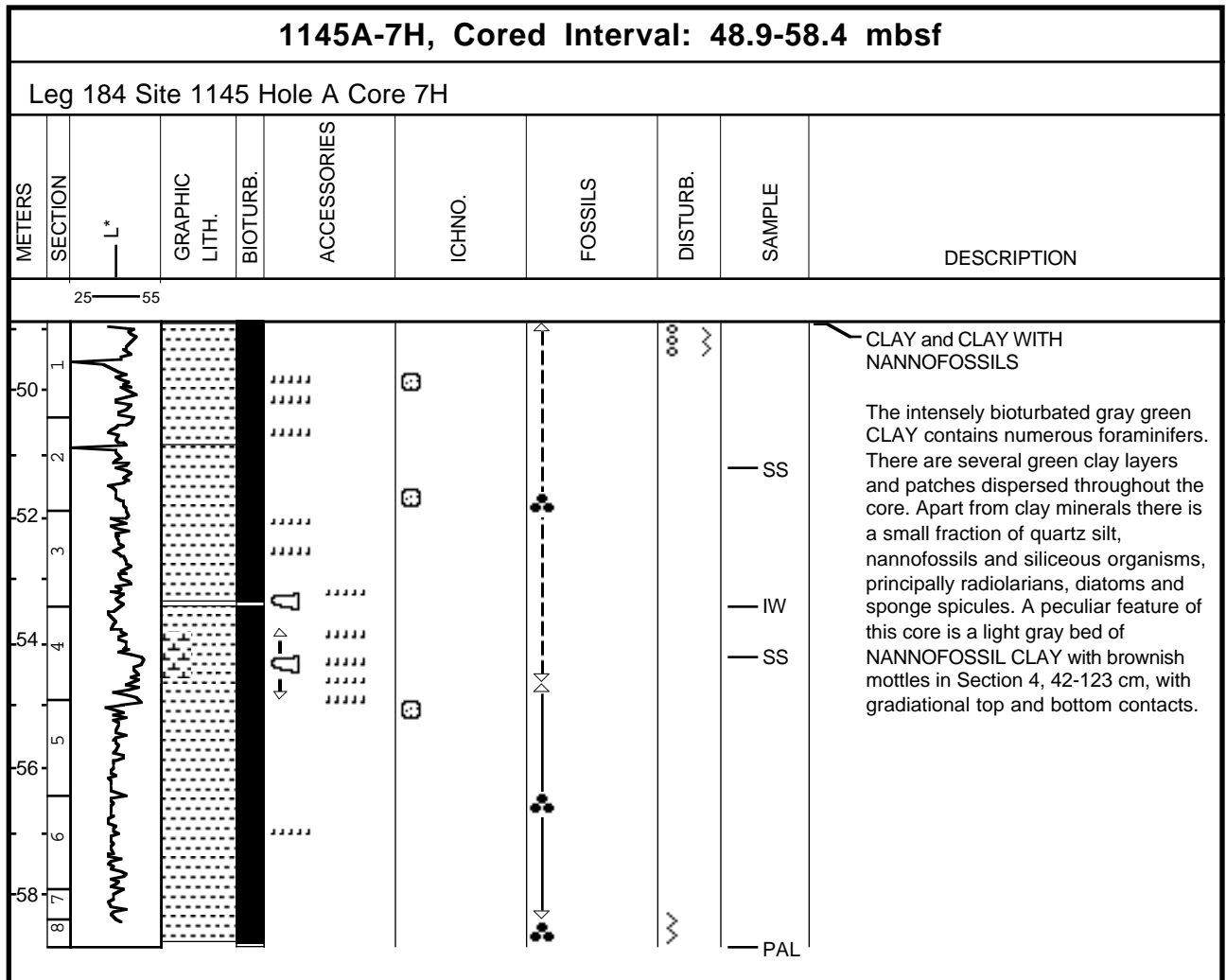
1145A-1H, Cored Interval: 0.0-1.4 mbsf										
Leg 184 Site 1145 Hole A Core 1H										
METERS	SECTION	L*	GRAPHIC LITH.	BIOTURB.	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
25 — 55	1									<p>CLAY WITH RADIOLARIANS and CLAY</p> <p>The red brown oxidized layer from 0-15 cm in Section 1 is composed of CLAY WITH RADIOLARIANS. This layer is bioturbated and has a dark brown base and a light brown top. Green gray CLAY, which contains abundant foraminifers, spicules, nannofossils and radiolarians, fills the rest of this core. The core is very soupy but structures appear to be maintained.</p>

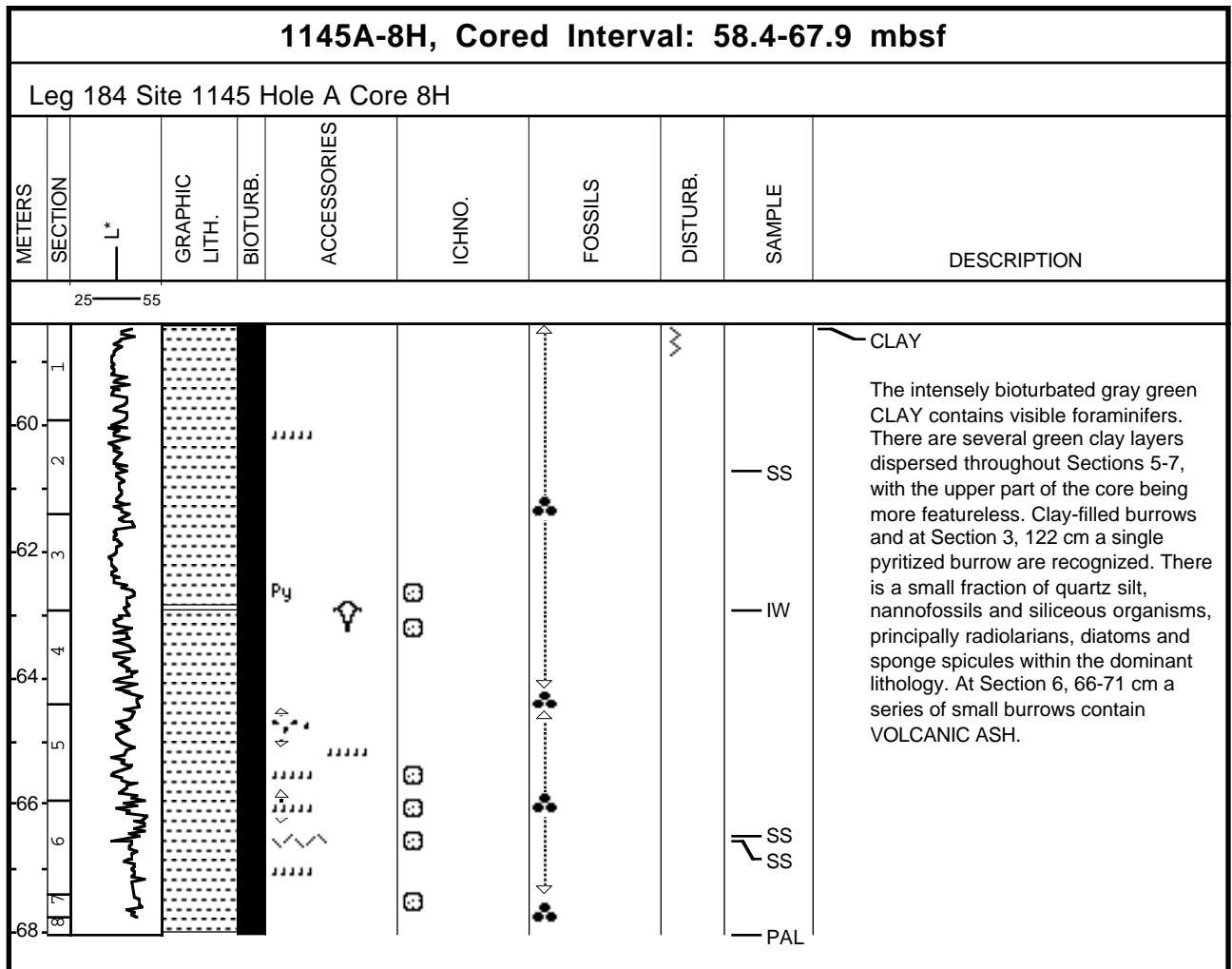
1145A-2H, Cored Interval: 1.4-10.9 mbsf										
Leg 184 Site 1145 Hole A Core 2H										
METERS	SECTION	L*	GRAPHIC LITH.	BIOTURB.	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
		25 — 55								
2	1									<p>CLAY</p> <p>Gray green CLAY is the main lithology of this core and it contains numerous foraminifers. Open worm holes are present from Sections 1 through 6. Darker green clay layers are observed, and mottles are present in Sections 4 and 5. Siliceous organisms are common in the sediment.</p>
4	2								SS	
6	3								IW	
8	4									
10	5									
	6								SS	
	7								PAL	

Core Photo

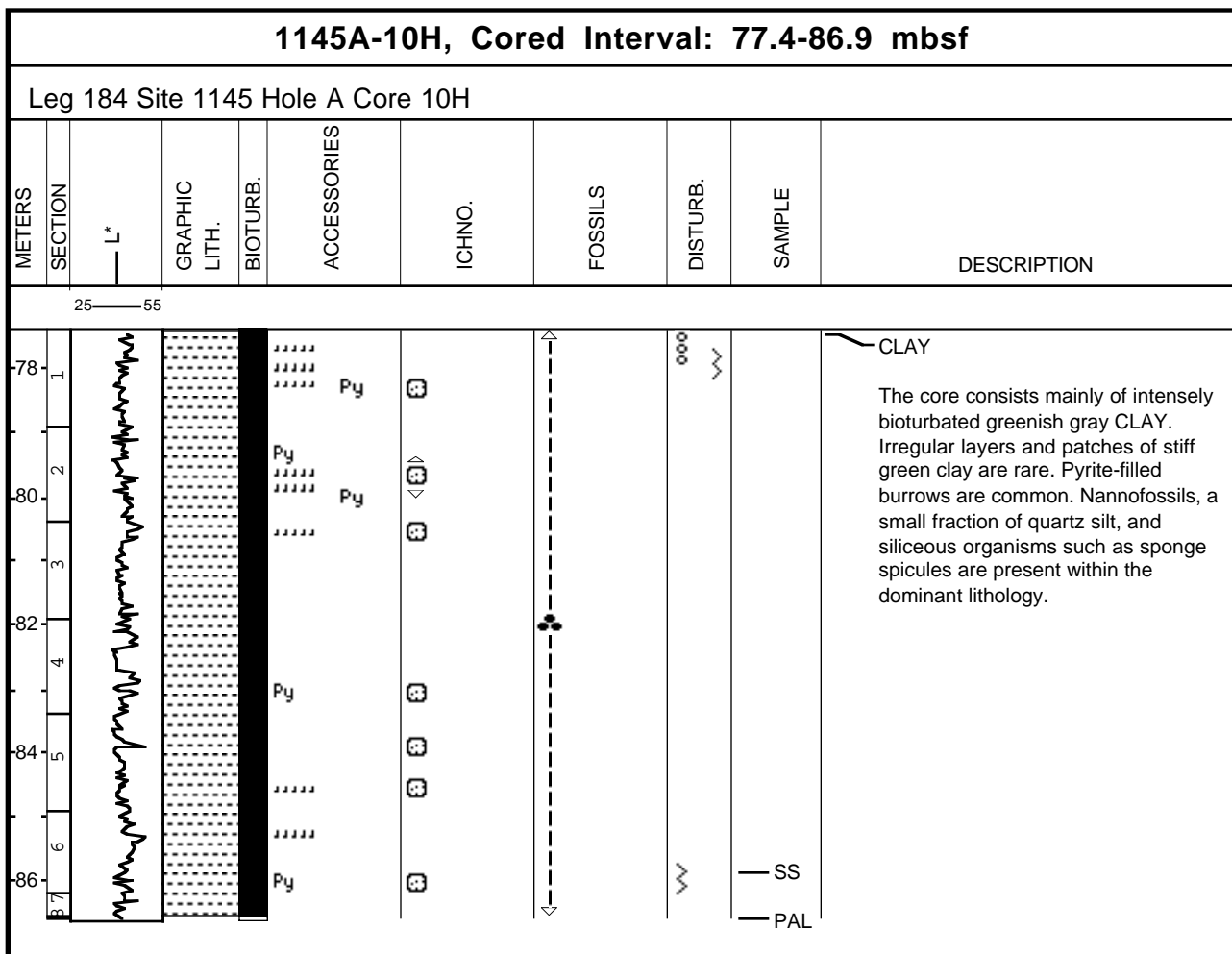


Core Photo

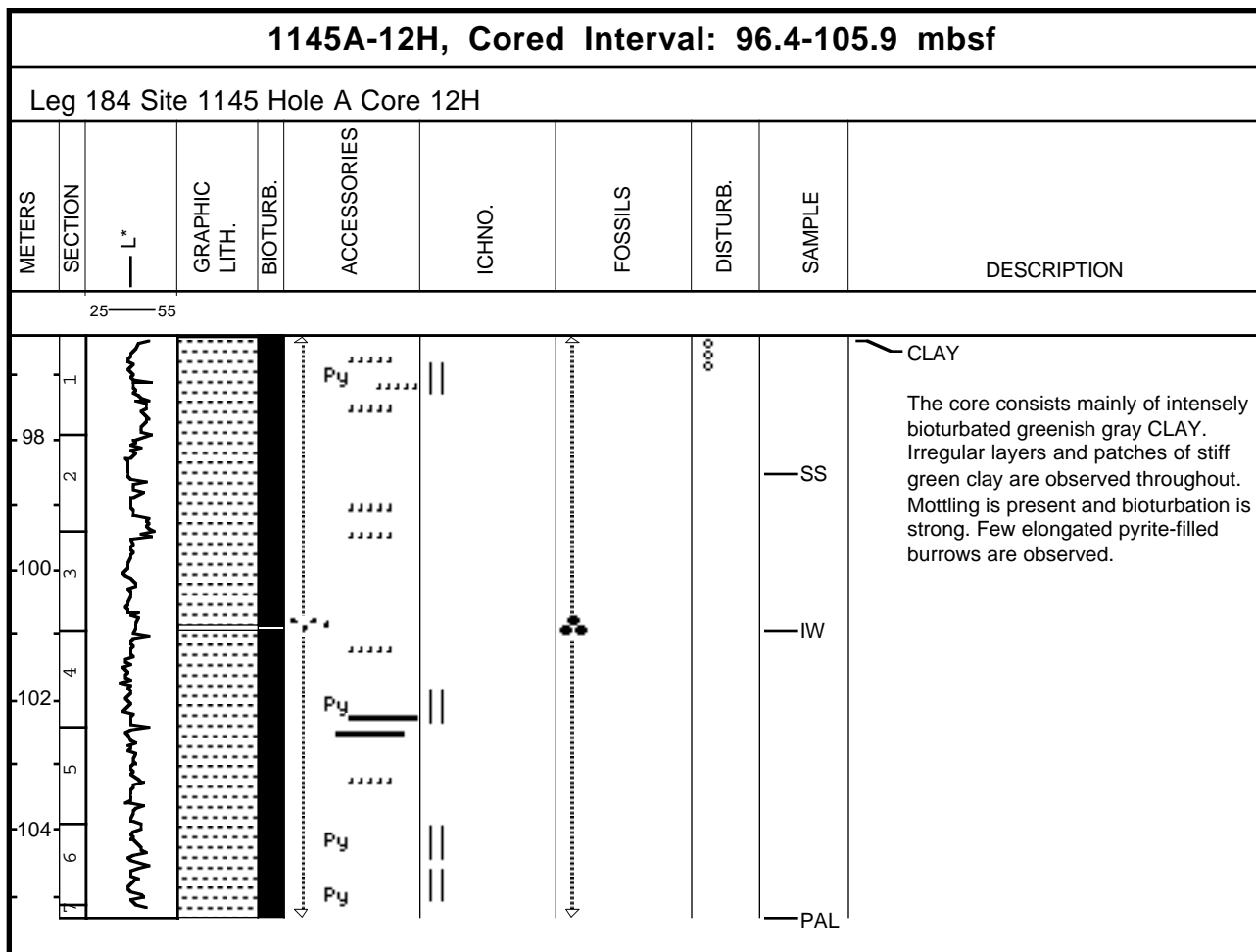




Core Photo

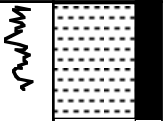
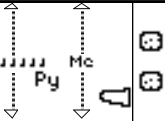

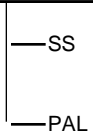



Core Photo

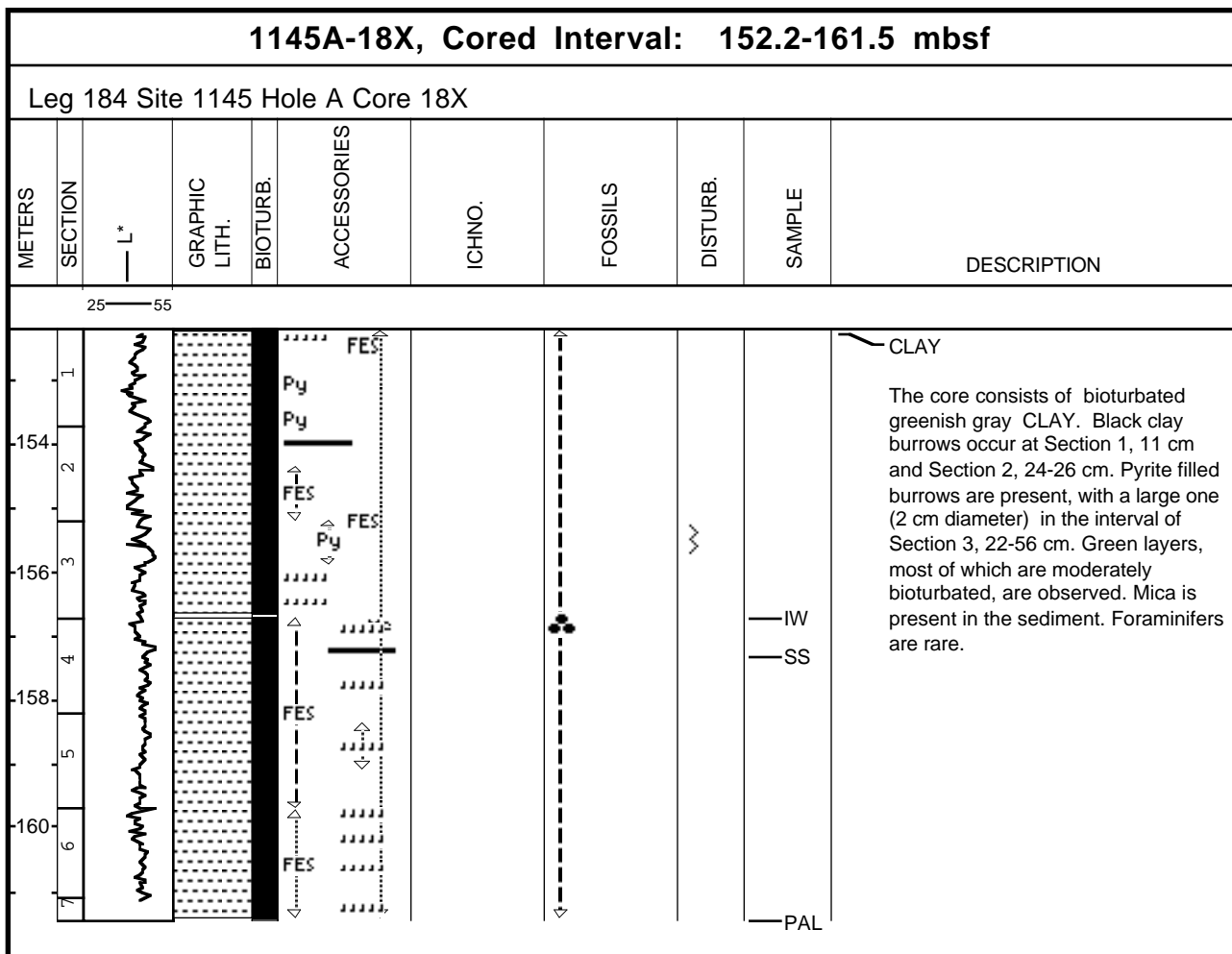


1145A-15X, Cored Interval: 124.9-132.9 mbsf										
Leg 184 Site 1145 Hole A Core 15X										
METERS	SECTION	L*	GRAPHIC LITH.	BIOTURB.	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
<div> <div>2555</div> </div>										

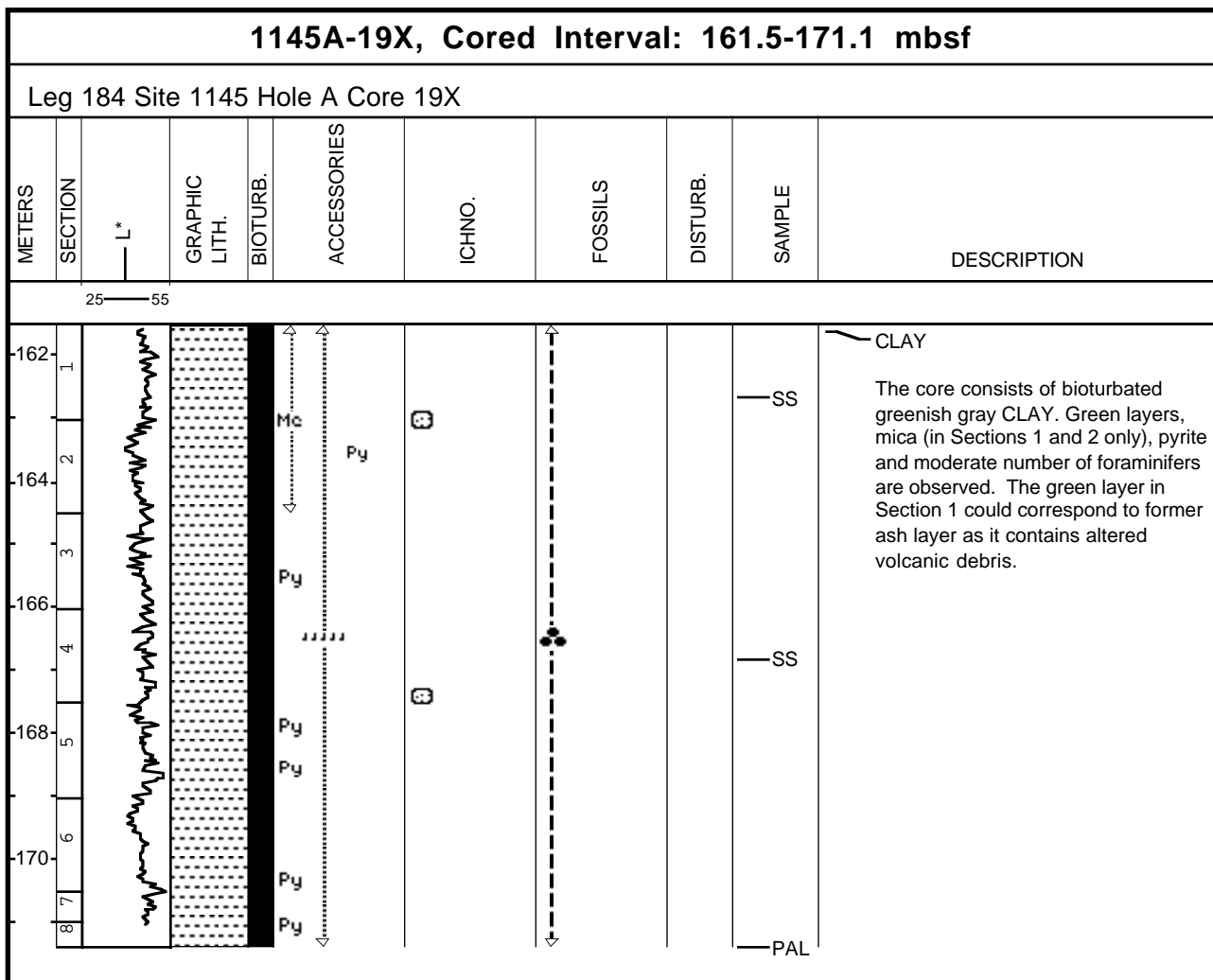
[illegible]

1145A-17X, Cored Interval: 142.5-152.2 mbsf										
Leg 184 Site 1145 Hole A Core 17X										
METERS	SECTION	— L*	GRAPHIC LITH.	BIOTURB.	ACCESSORIES	ICHO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
25 — 55										
144	1 2									 <p>The core consists of bioturbated greenish gray CLAY. Foraminifers, mica and green clay layers are observed. Quartz clayey silt fills a burrow at Section 1, 60 cm interval. A patch and an open burrow with pyrite are observed in this core.</p>

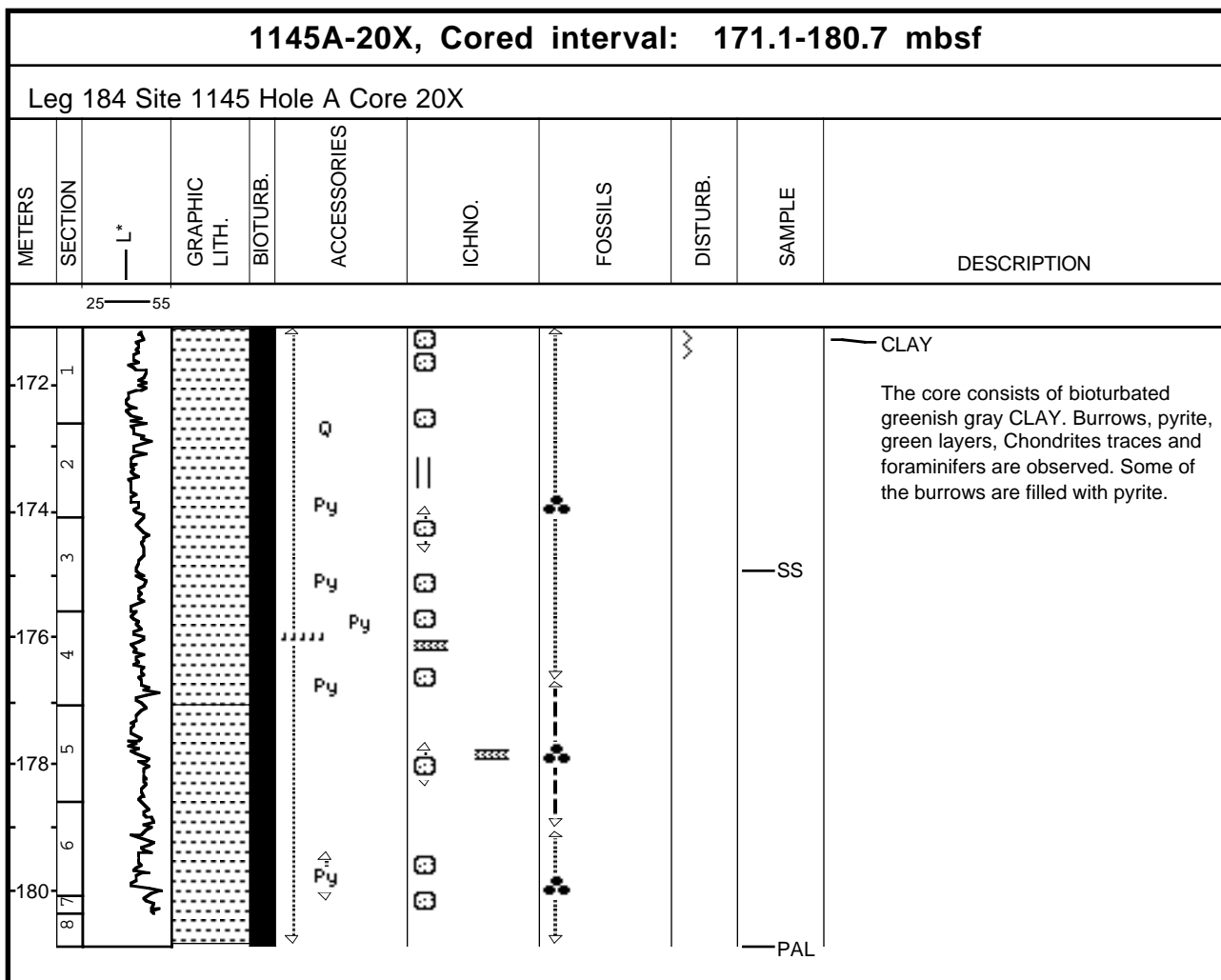
Core Photo



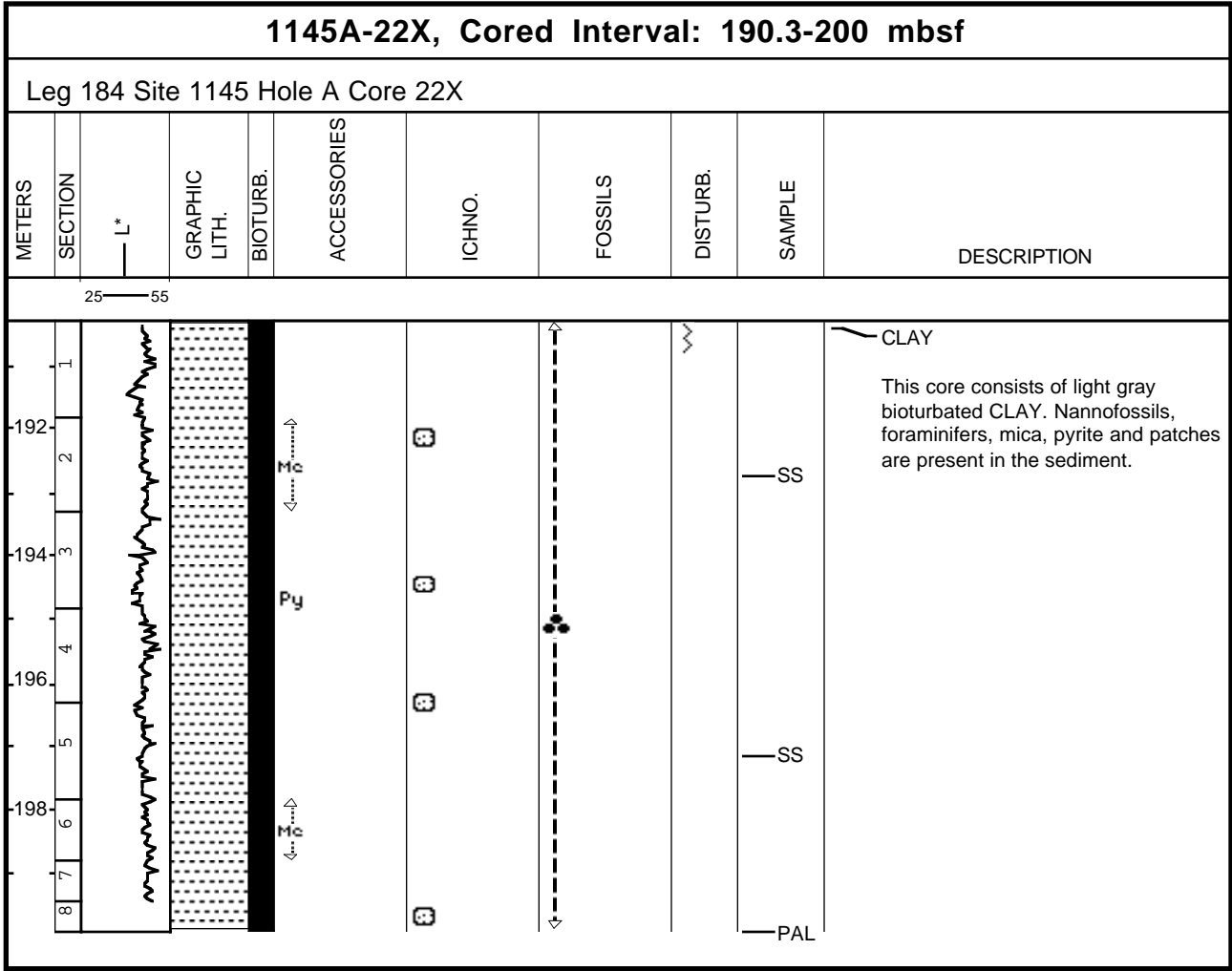
Core Photo



Core Photo

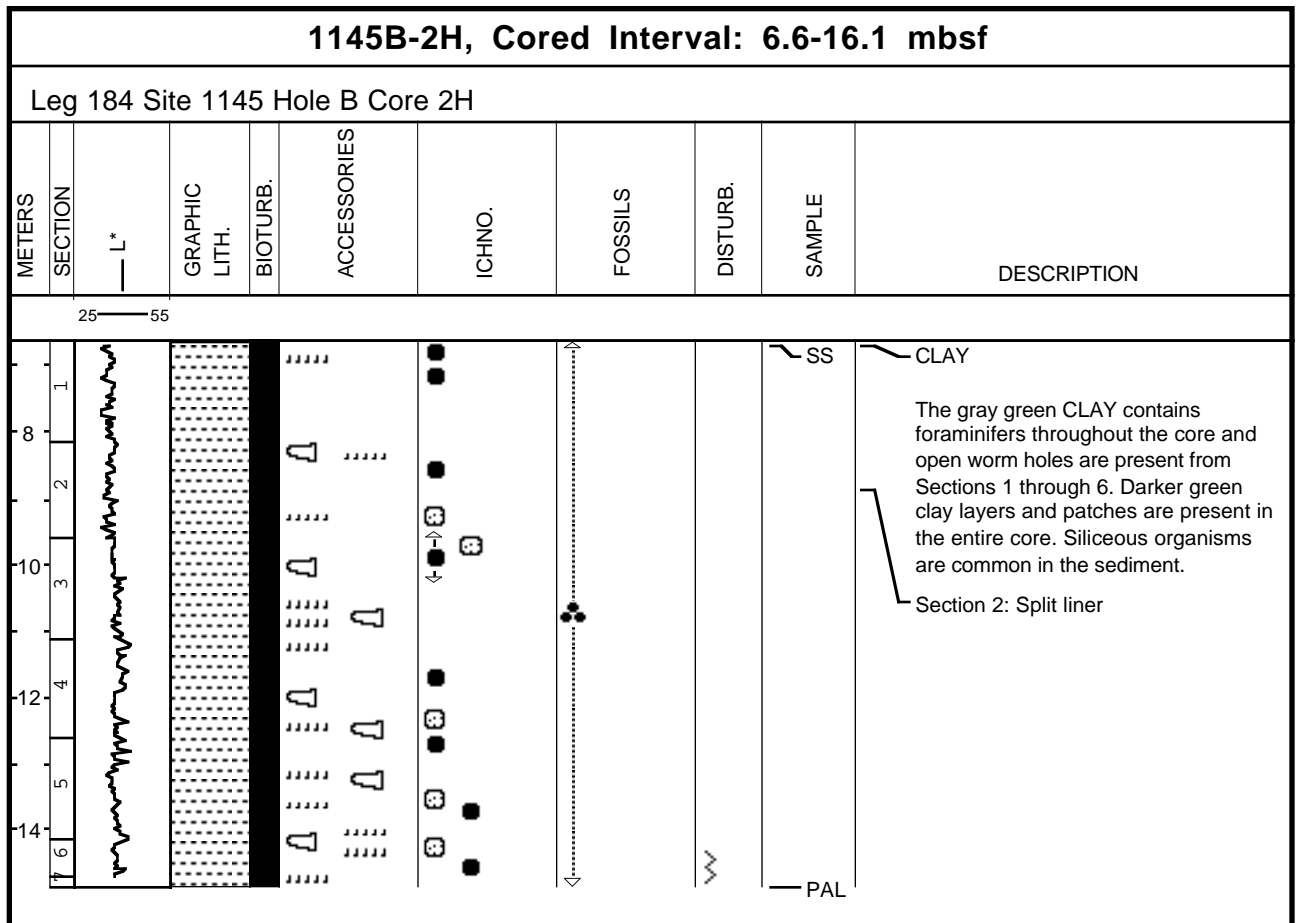


Core Photo

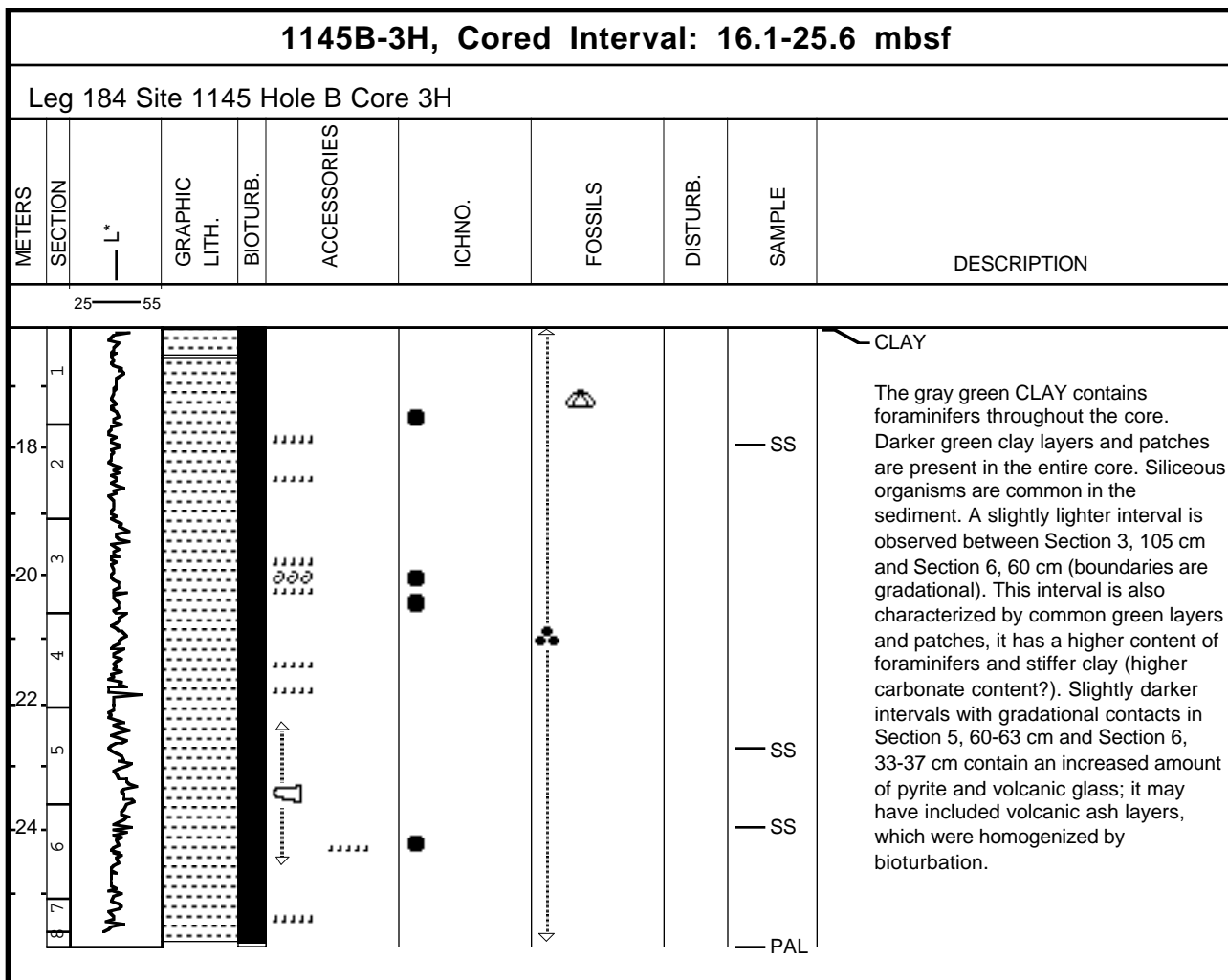


1145B-1H, Cored Interval: 0.0-6.6 mbsf										
Leg 184 Site 1145 Hole B Core 1H										
METERS	SECTION	L*	GRAPHIC LITH.	BIOTURB.	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
25 — 55										
0	1									<p>CLAY WITH RADIOLARIANS and CLAY</p> <p>The red brown oxidized layer from 0-15 cm in Section 1 is CLAY WITH RADIOLARIANS. This layer is bioturbated and has a dark brown base and a light brown top. A green gray CLAY, which contains foraminifers, nannofossils, and radiolarians fills the rest of the core. The upper 100 cm of the core is disturbed and soupy, but some structures are maintained.</p>
2	2									
4	3									
6	4									
8	5									
<p>— PAL</p>										

Core Photo



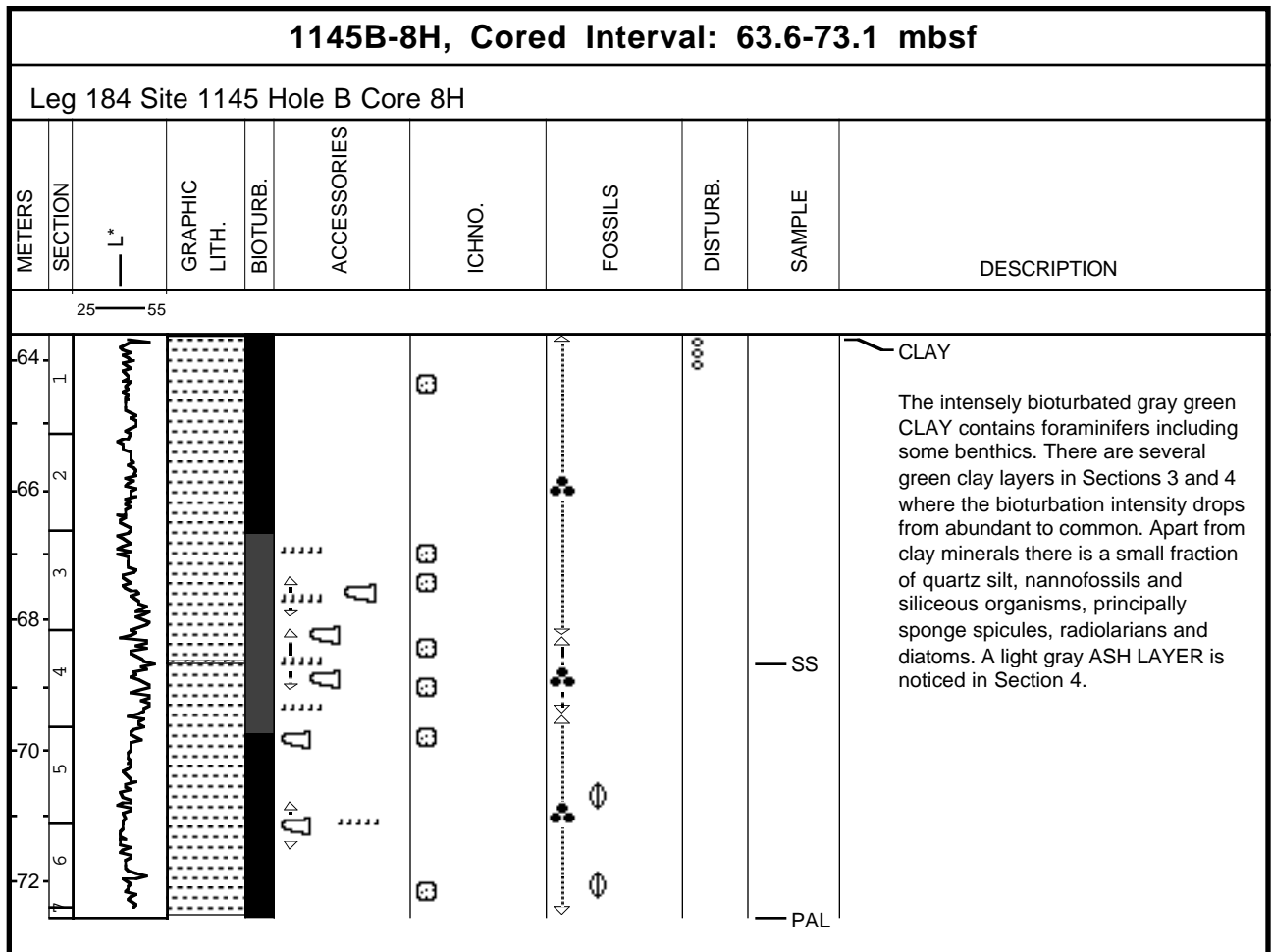
Core Photo



Core Photo

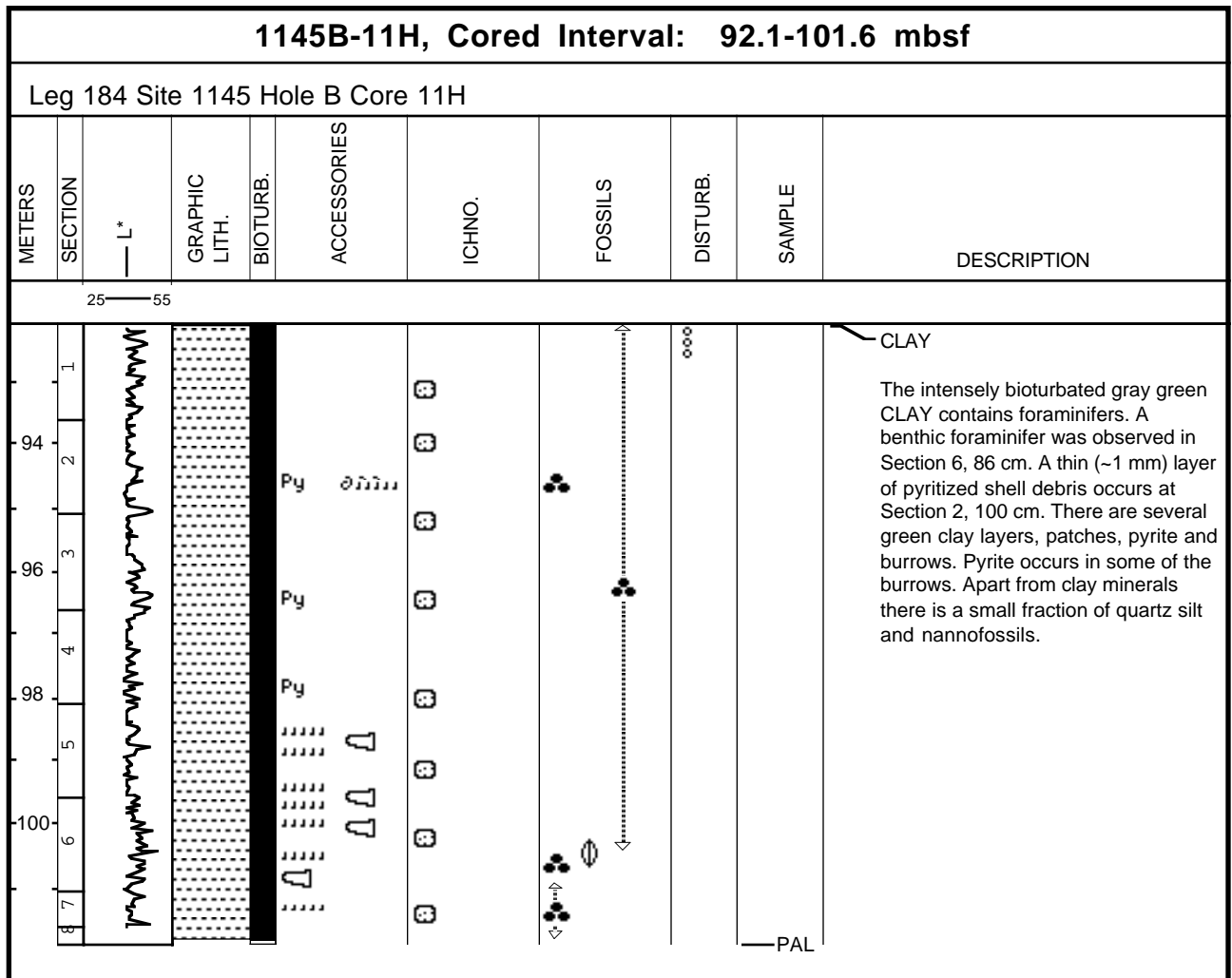
[illegible]

Core Photo

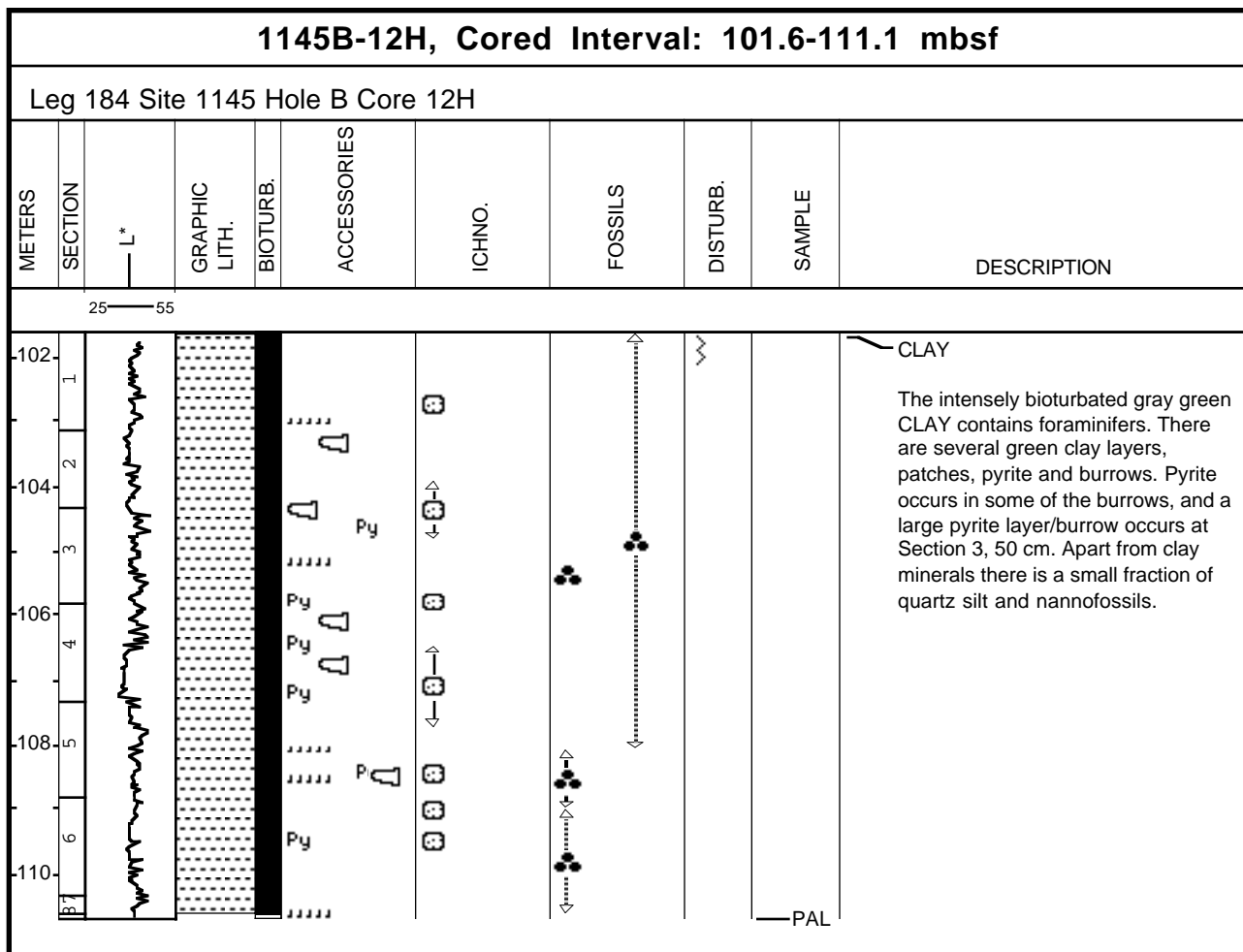


[illegible]





[illegible]



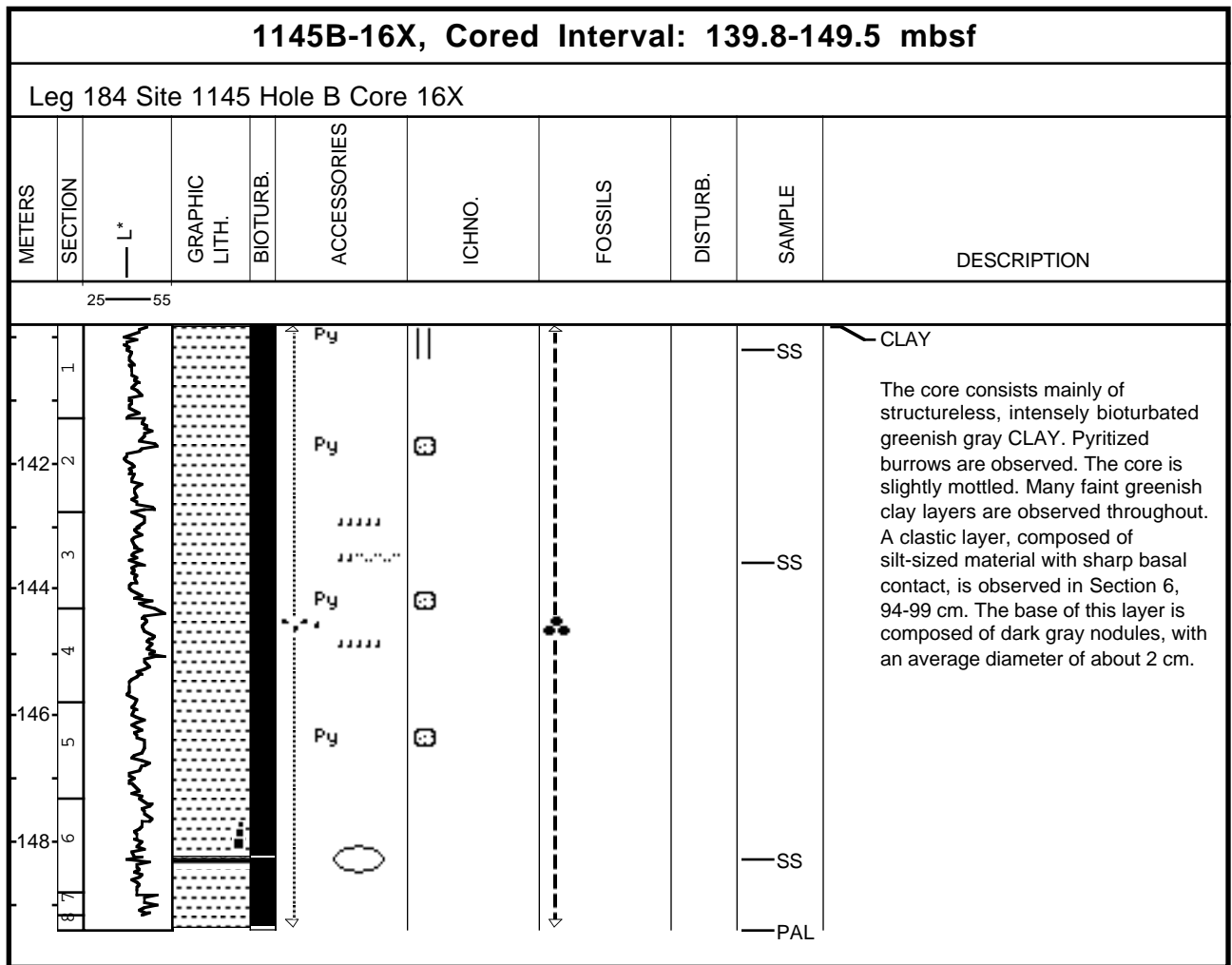
Core Photo



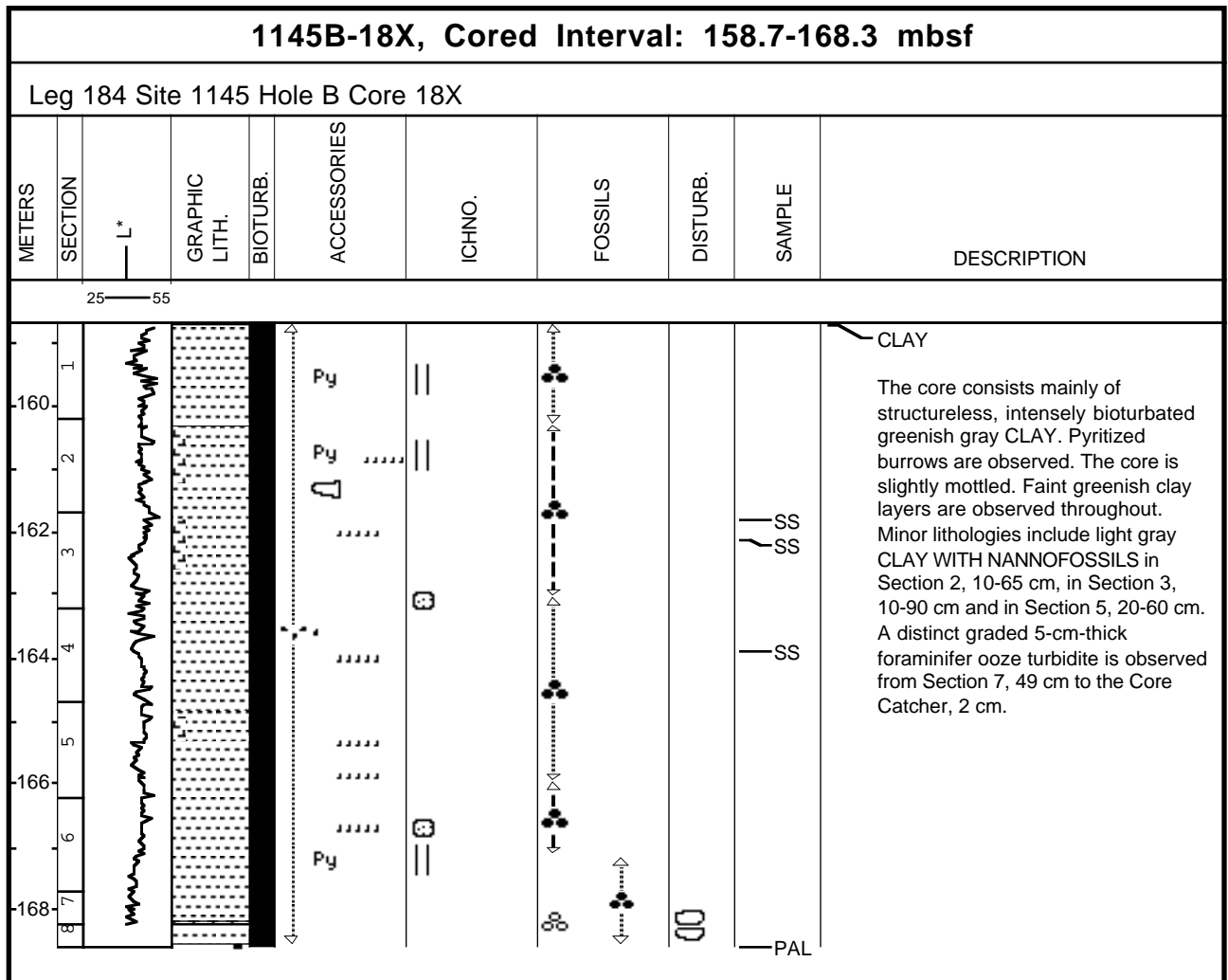
Core Photo

1145B-14X, Cored Interval: 120.6-130.2 mbsf										
Leg 184 Site 1145 Hole B Core 14X										
METERS	SECTION	L*	GRAPHIC LITH.	BIOTURB.	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
25	55									
1	4								<div><div>SS</div><div>PAL</div></div> <div>CLAY</div> <p>This core comprises massive, structureless, light greenish gray CLAY. There are a few indistinct green clay layers developed within the background hemipelagic material, but they are volumetrically small.</p>	

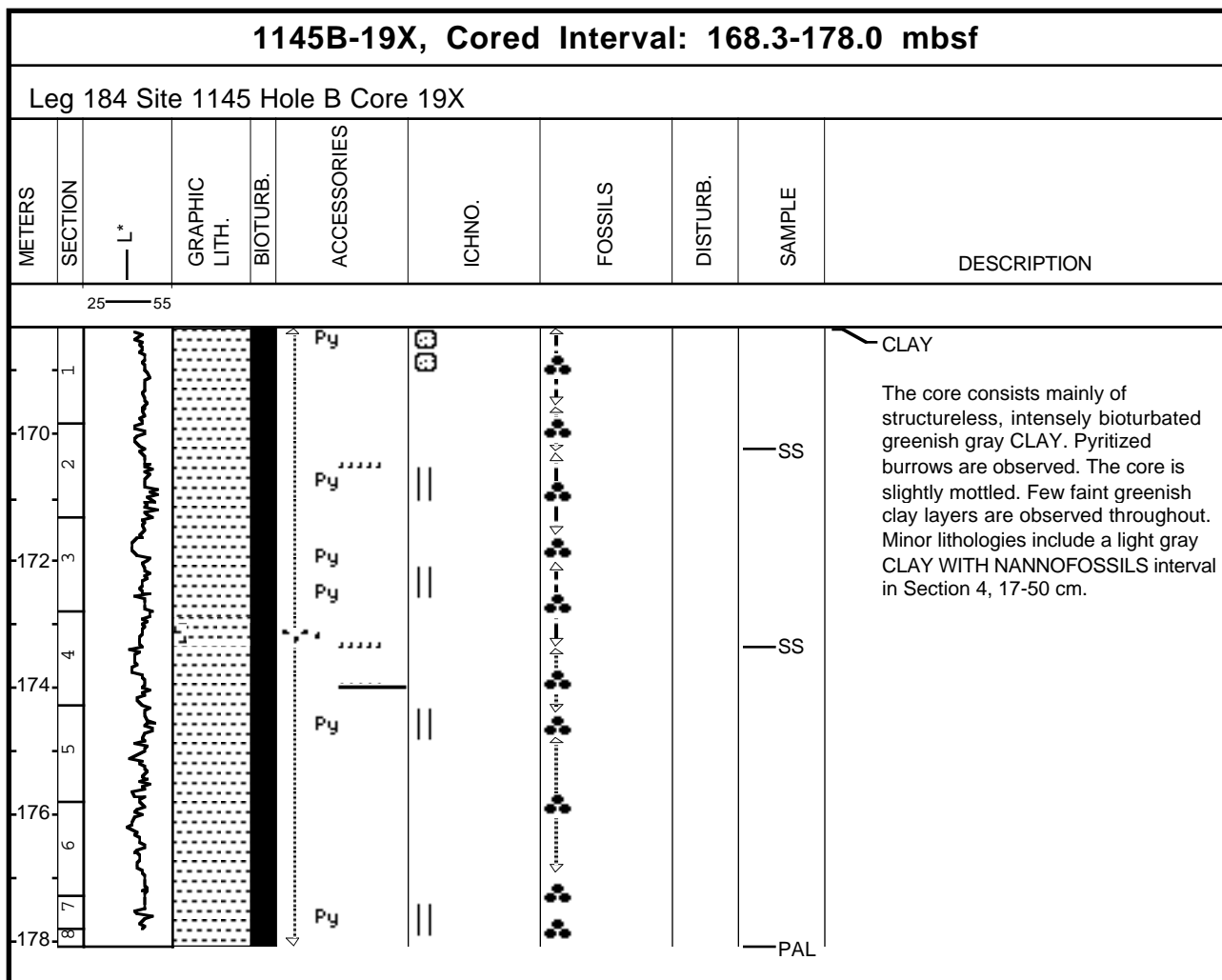
Core Photo



[illegible]



Core Photo

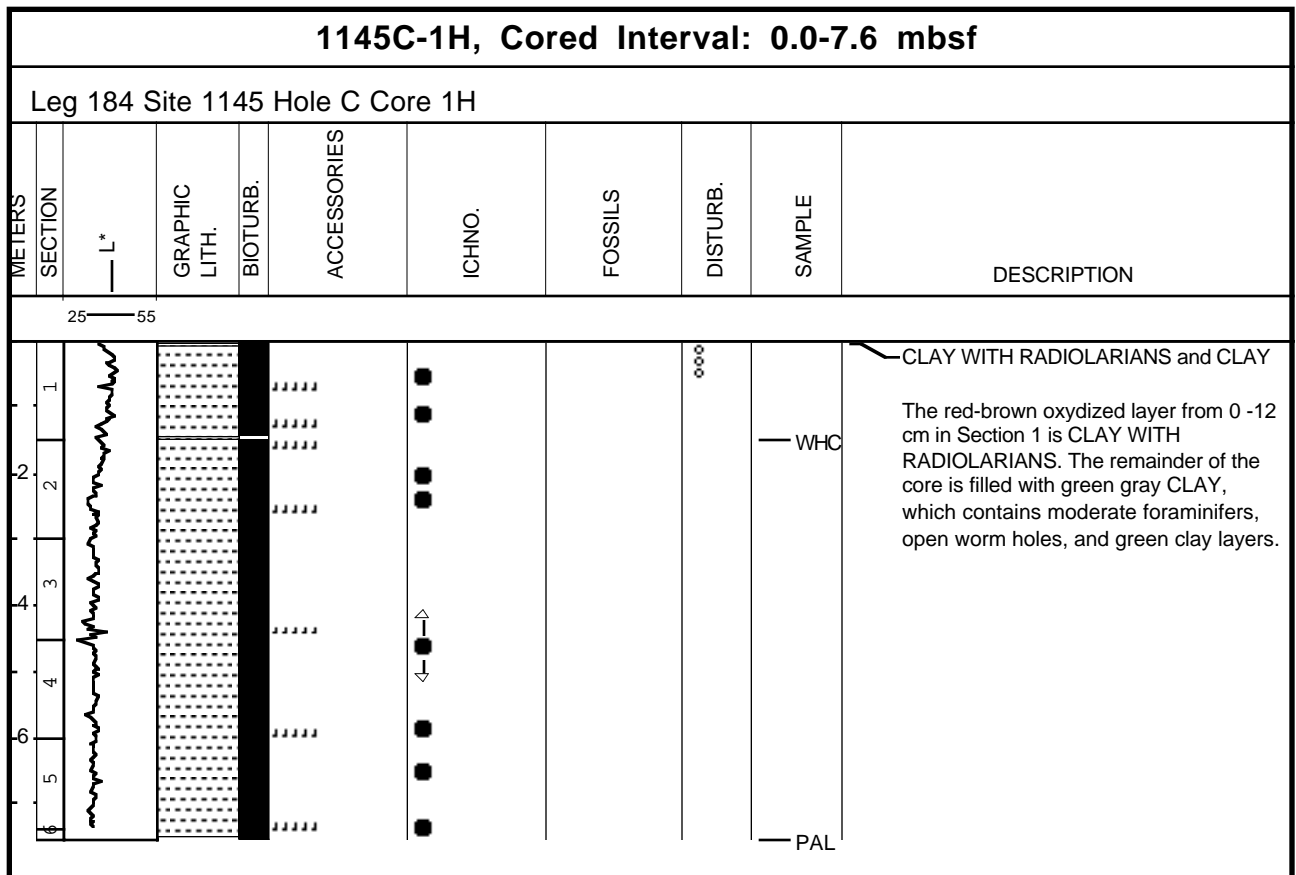


1145B-20X NO RECOVERY

1145B-21X, Cored Interval: 187.6-197.2 mbsf										
Leg 184 Site 1145 Hole B Core 21X										
METERS	SECTION	— L*	GRAPHIC LITH.	BIOTURB.	ACCESSORIES	ICHO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
<div> <div>25</div> <div>55</div> </div>										
188	1									<p>CLAY</p> <p>The core consists mainly of structureless, intensely bioturbated light greenish gray CLAY. The core is slightly mottled. Few dark gray layers are observed, which are presumed to be low concentrations of "iron sulfide". Light green indistinct clay layers, 2-3 cm thick are noted in sparse locations along the core. Small pockets, 2-3 mm across, filled with light colored quartz silt are observed, but constitute an insignificant volume of the total sediment.</p>
190	2									
192	3									
194	4									
196	5									
	6									
	7									
<div> <div>SS</div> <div>PAL</div> </div>										

1145B-22X, Cored Interval: 197.2-200.0 mbsf										
Leg 184 Site 1145 Hole B Core 22X										
METERS	SECTION	L*	GRAPHIC LITH.	BIOTURB.	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
25 — 55										
198 — 200	1 2 3 4								SS PAL	CLAY The core consists of structureless, intensely bioturbated light greenish gray CLAY. The core is slightly mottled. Foraminifers are rare throughout. At Section 3, 65 cm, a horizontal fracture, cutting the diameter of the section, is observed and it is possibly related to loss of less indurated sediment during coring.

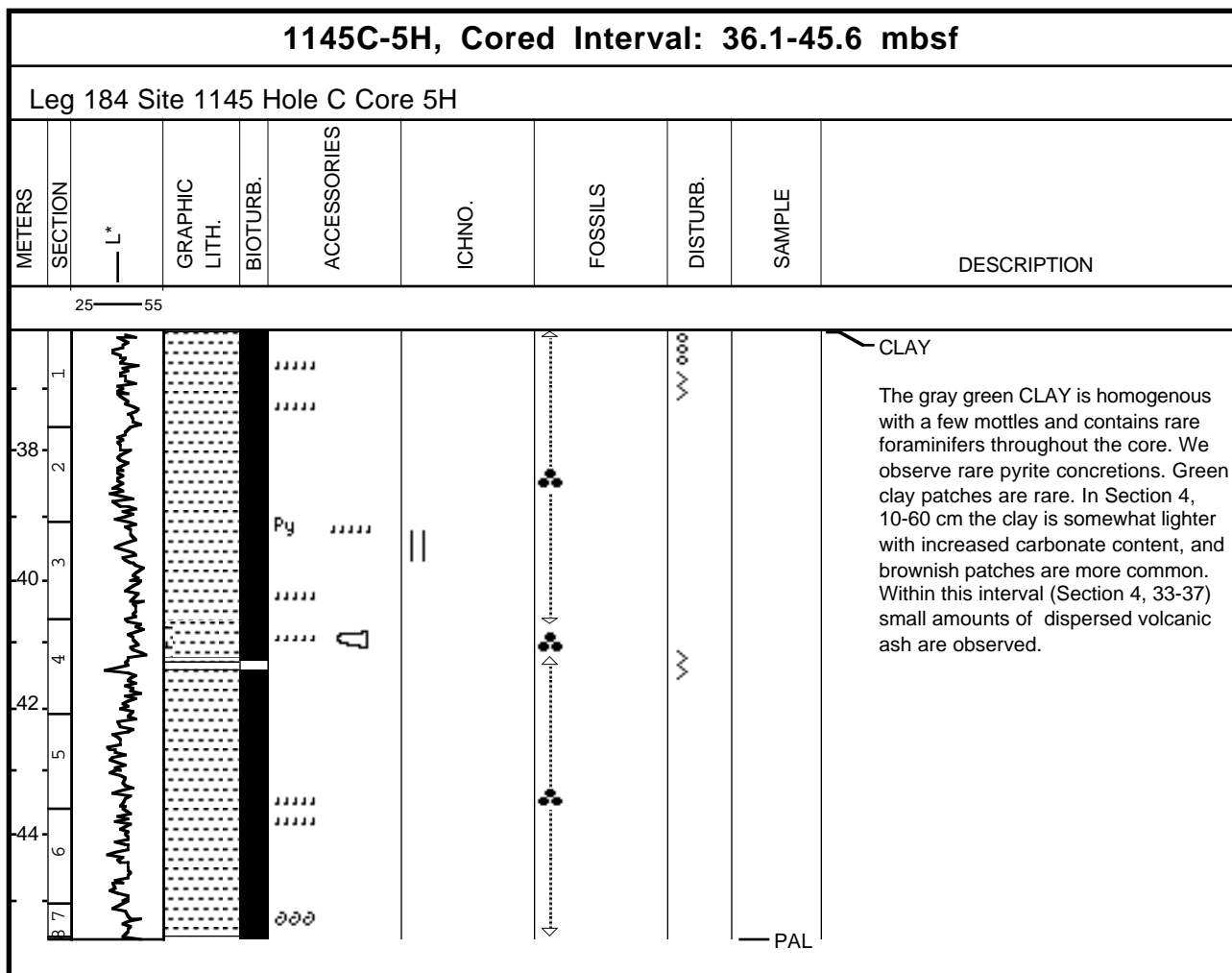
Core Photo



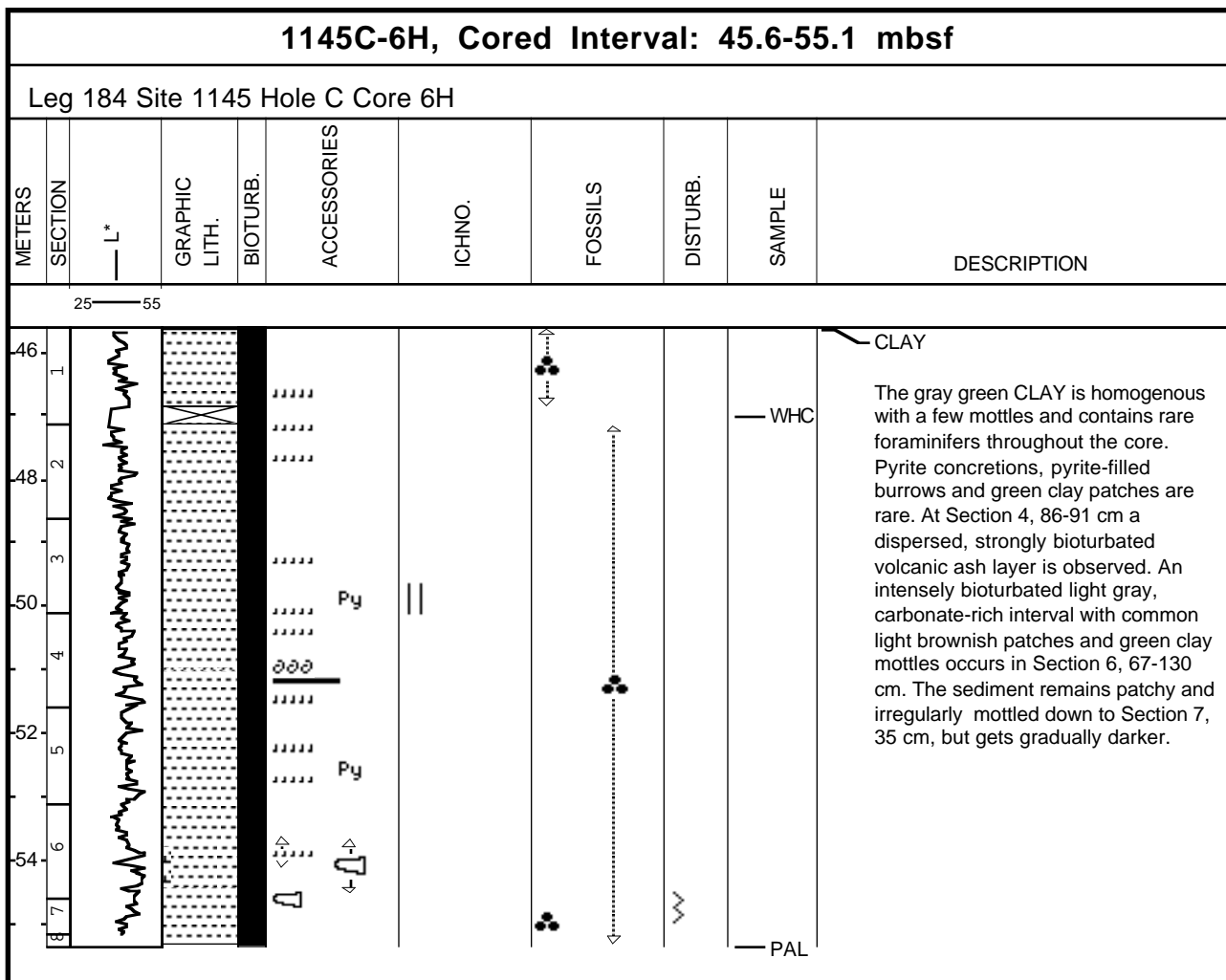
1145C-2H, Cored Interval: 7.6-17.1 mbsf										
Leg 184 Site 1145 Hole C Core 2H										
METERS	SECTION	— L*	GRAPHIC LITH.	BIOTURB.	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
25 — 55										
8	1									CLAY The core is filled with dark greenish gray CLAY, which contains moderate foraminifers, open worm holes, and green clay layers. Burrows and patches are found throughout.
10	2									
12	3									
14	4									
16	5									
18	6									
20	7									
WHC PAL										

[illegible]

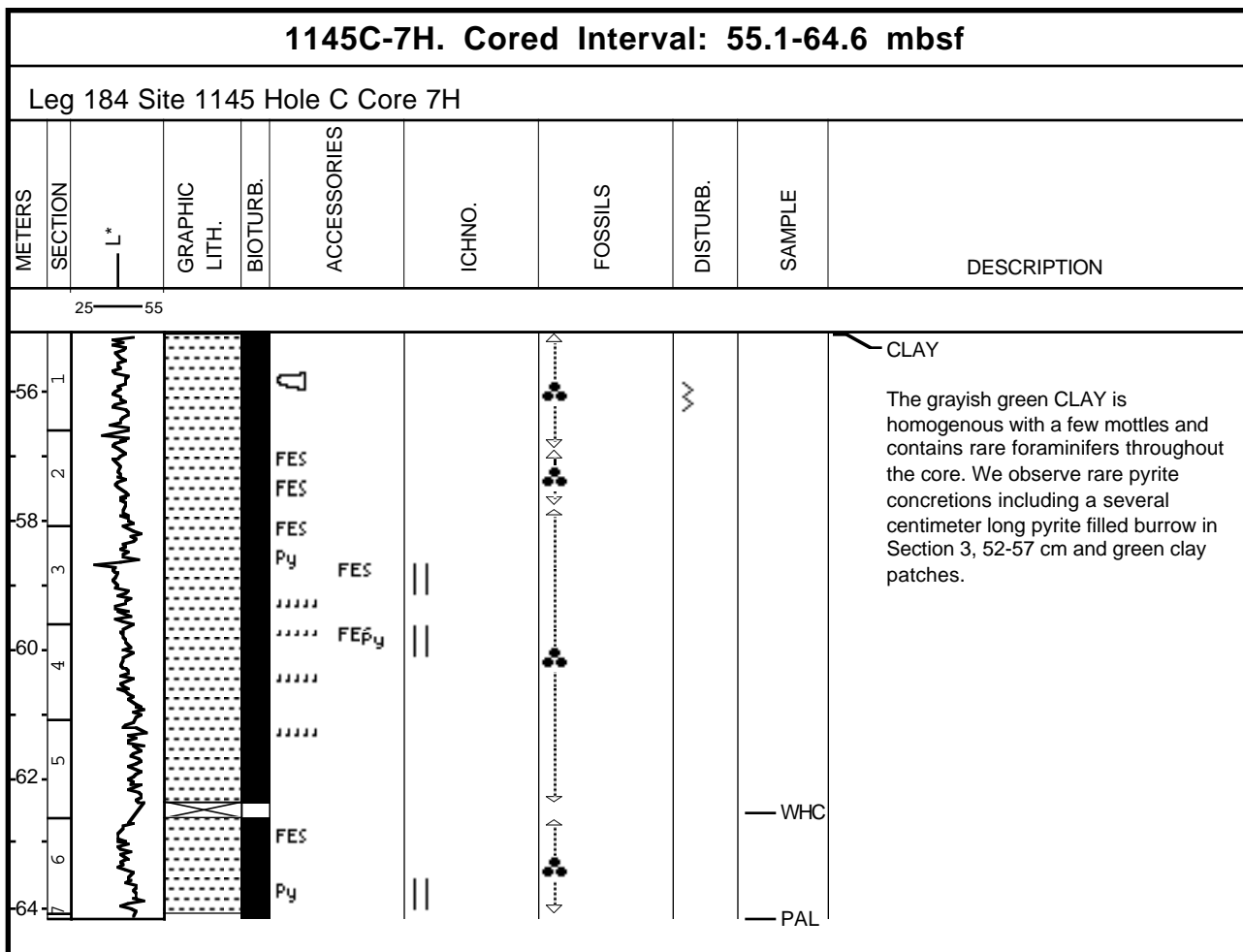
Core Photo



Core Photo

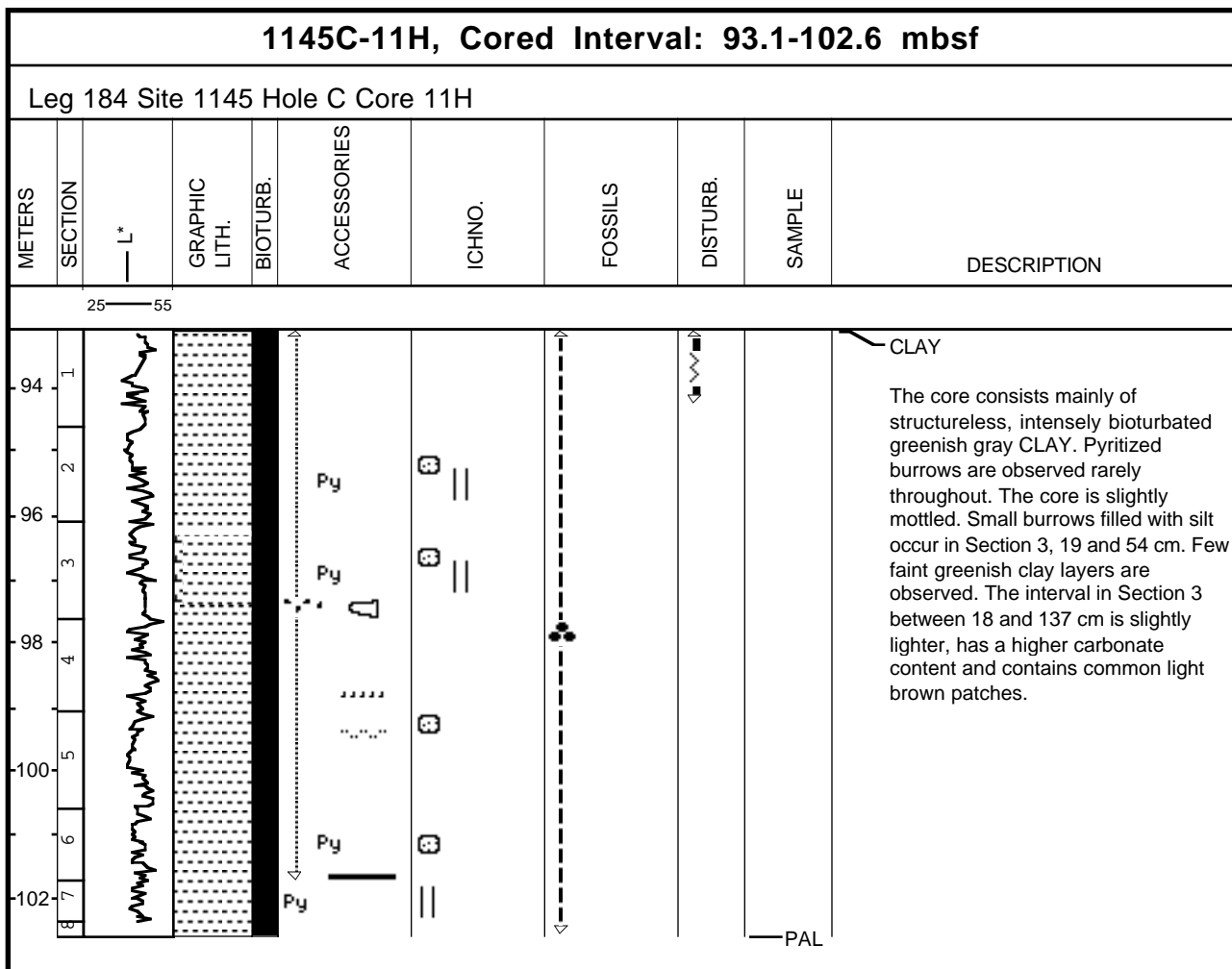


Core Photo



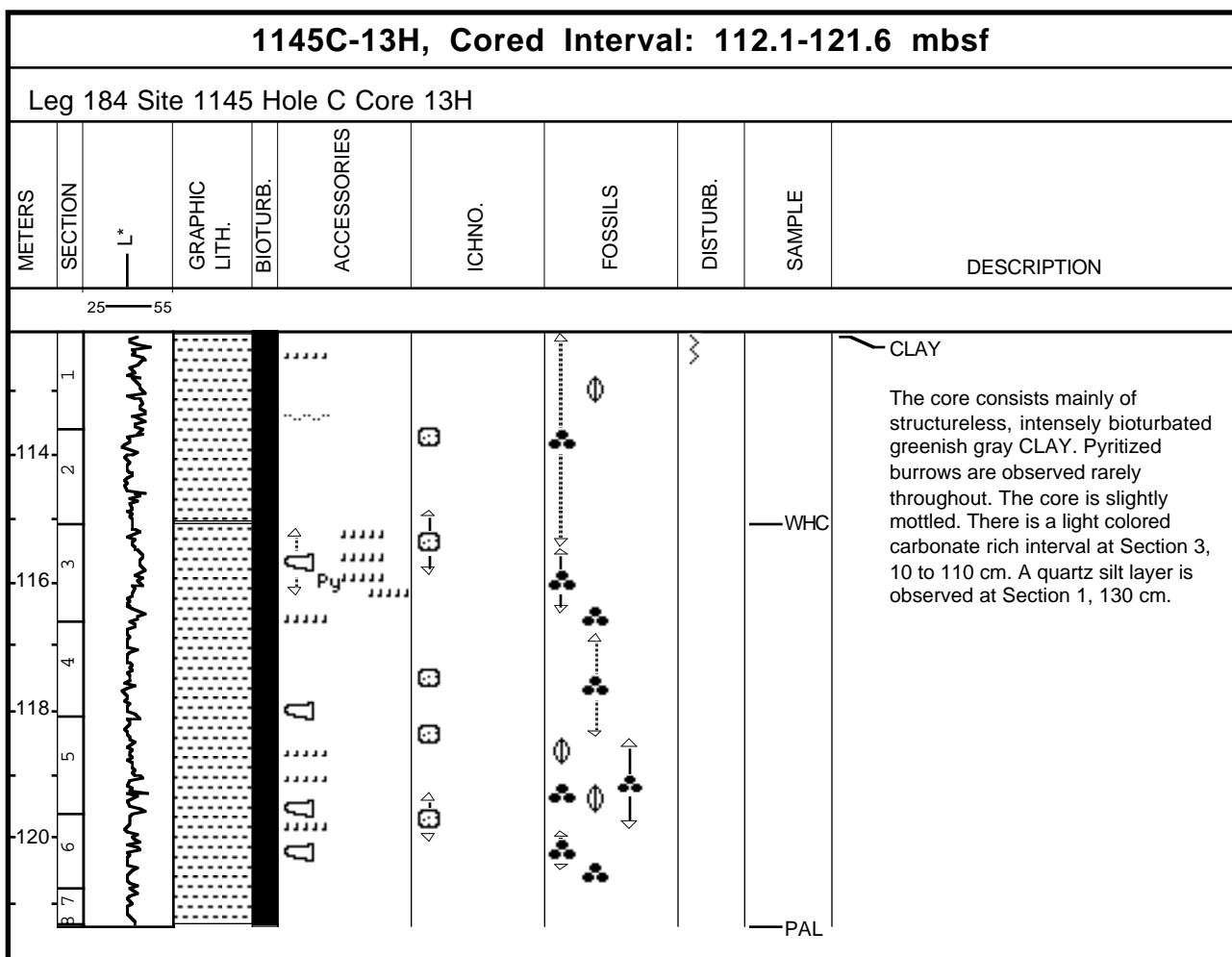
1145C-9H, Cored Interval: 74.1-83.6 mbsf										
Leg 184 Site 1145 Hole C Core 9H										
METERS	SECTION	L*	GRAPHIC LITH.	BIOTURB.	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
		25 — 55								
76 78 80 82	1 2 3 4 5 6 7									CLAY The core consists mainly of structureless, intensely bioturbated greenish gray CLAY. Elongated pyritized burrows are observed rarely throughout the core. The core is slightly mottled. Few faint greenish clay layers are observed in Sections 3-7 and in the Core Catcher. A distinctly lighter interval characterized by numerous brownish mottles, more foraminifers and a higher carbonate content occurs in Section 2, 0-115 cm. PAL

Core Photo

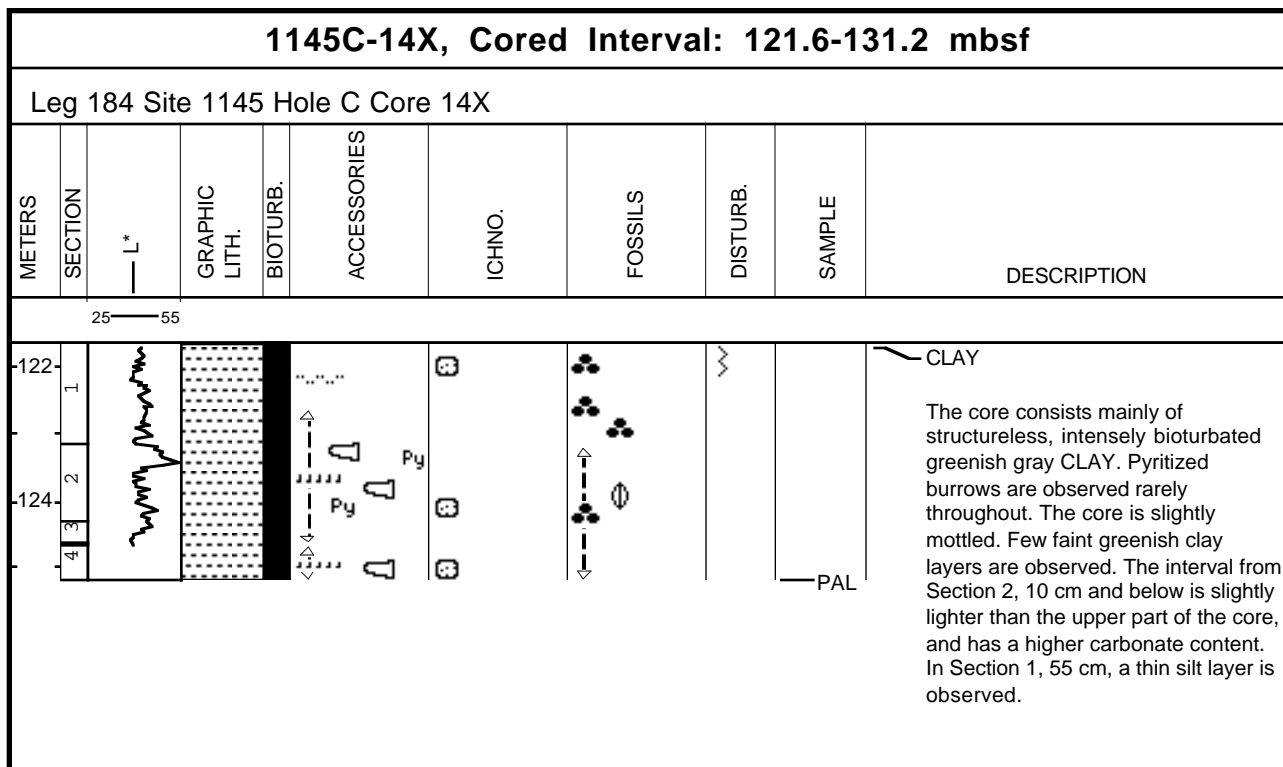


[illegible]

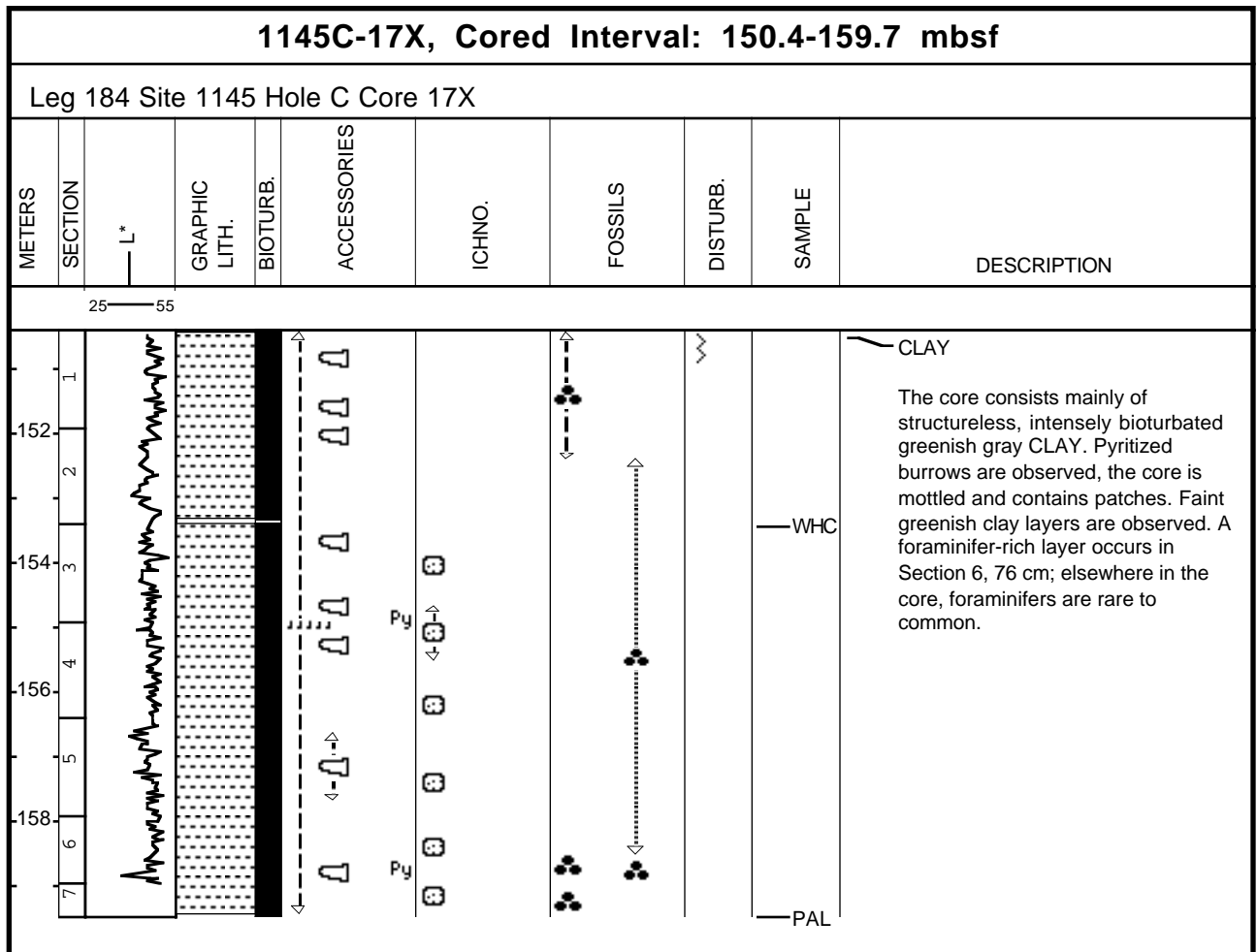
Core Photo



Core Photo

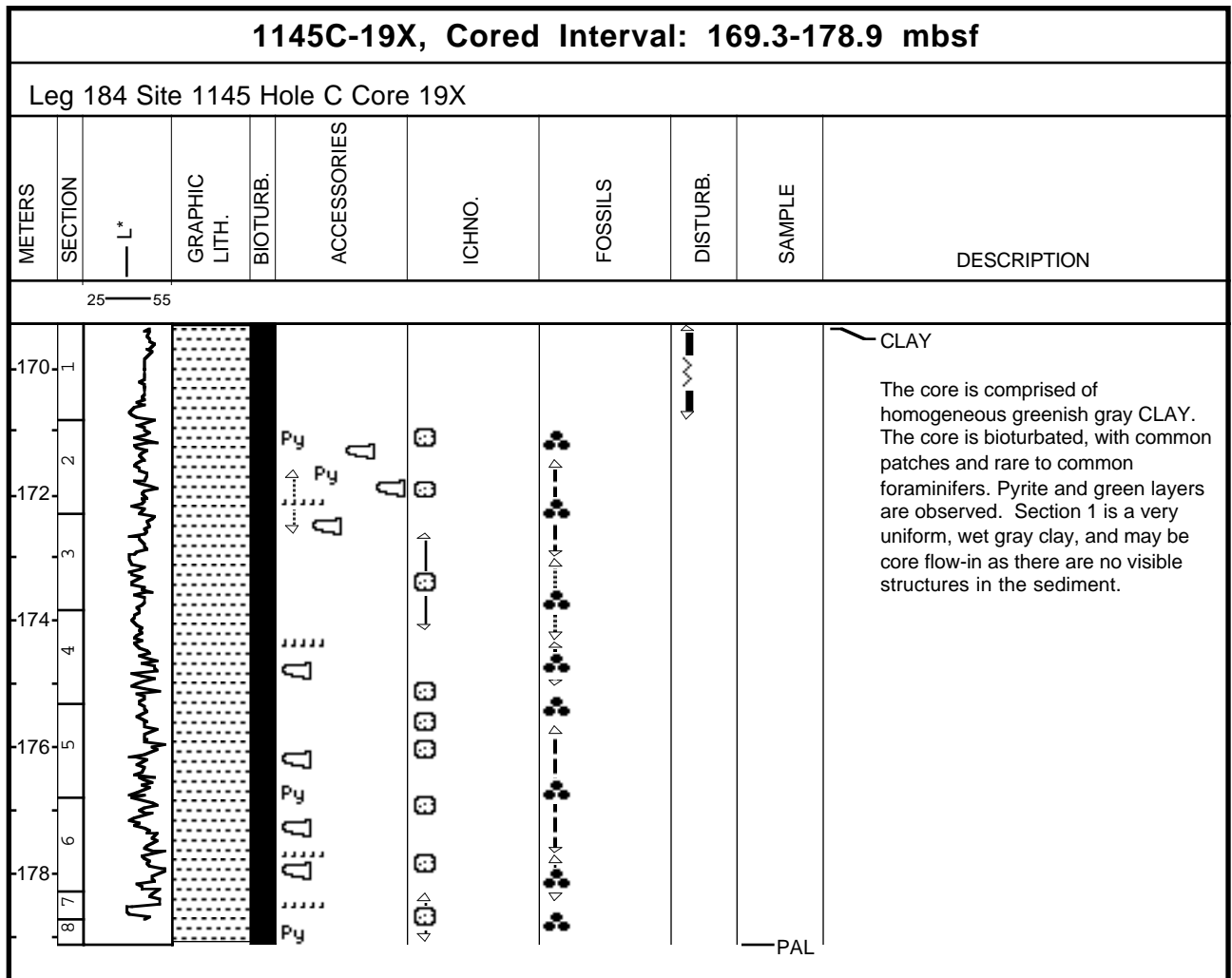


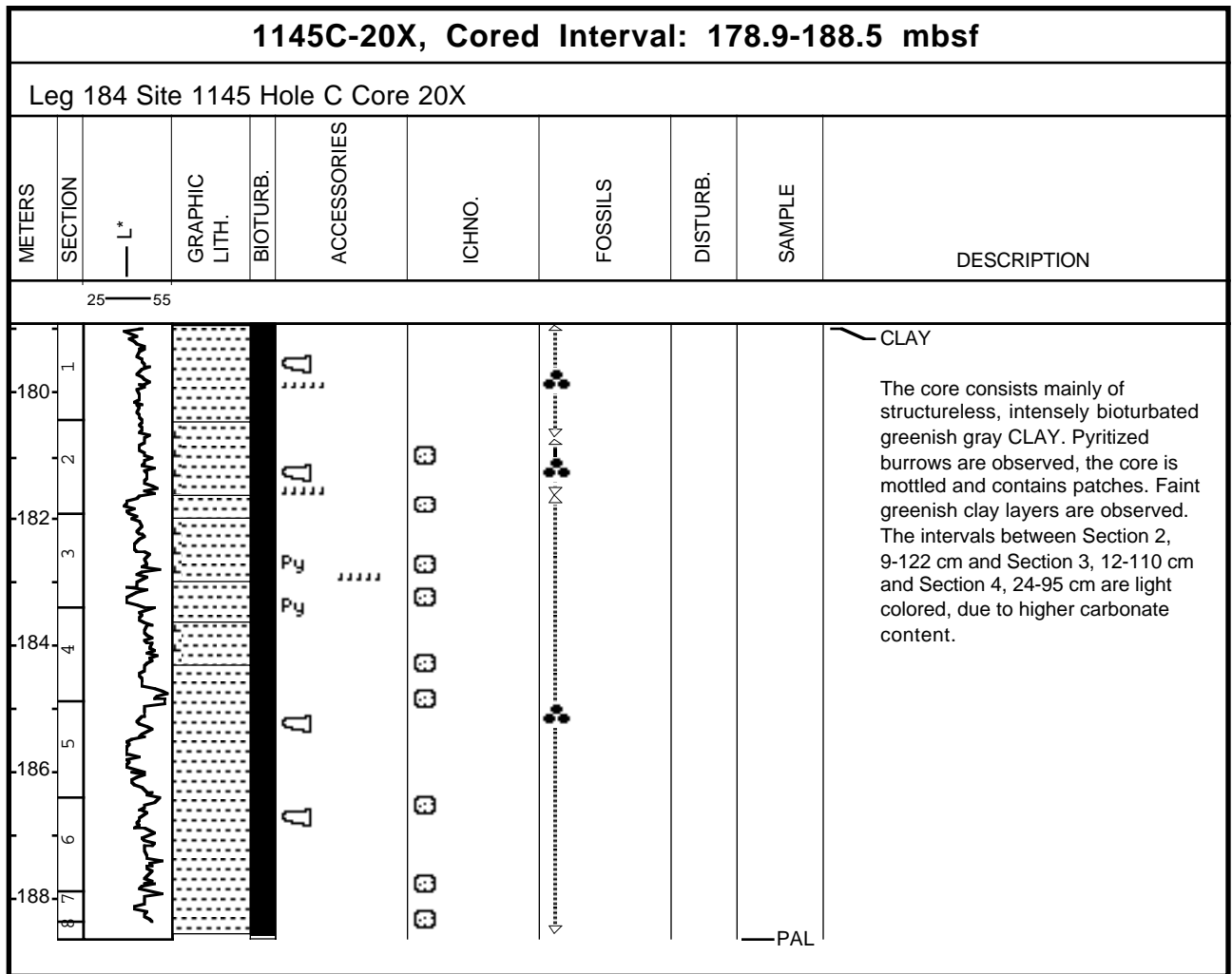
1145C-15X, Cored Interval: 131.2-140.8 mbsf										
Leg 184 Site 1145 Hole C Core 15X										
METERS	SECTION	— L*	GRAPHIC LITH.	BIOTURB.	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
25 — 55										
132 1	2 3 4									<p>CLAY</p> <p>The core consists mainly of structureless, intensely bioturbated greenish gray CLAY. Pyritized burrows are observed rarely throughout. The core is slightly mottled. A few green clay layers are observed. The interval in Section 2 between 78 and 122 cm is slightly lighter and has a higher carbonate content, with more abundant foraminifers than the surrounding sediment.</p>
134										



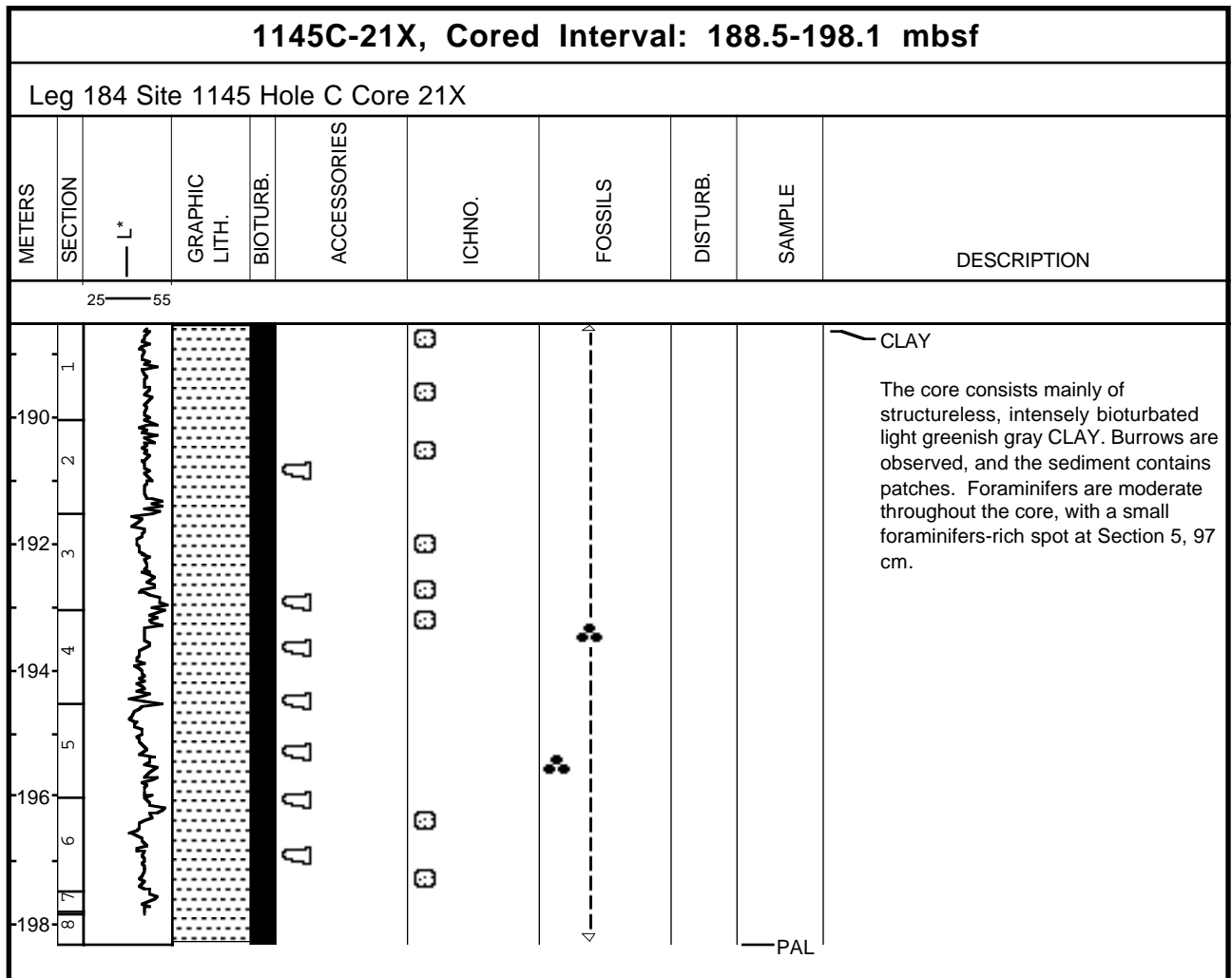
1145C-18X, Cored Interval: 159.7-169.3 mbsf										
Leg 184 Site 1145 Hole C Core 18X										
METERS	SECTION	— L*	GRAPHIC LITH.	BIOTURB.	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
<div> <div>2555</div> <div> <div>160</div> <div>1</div> <div>162</div> <div>2</div> <div>164</div> <div>3</div> <div>166</div> <div>4</div> <div>168</div> <div>5</div> <div>6</div> <div>7</div> <div>8</div> </div> <div> </div> <div> <div>CLAY</div> <div> <p>The core consists mainly of structureless, intensely bioturbated greenish gray CLAY. Pyritized burrows are observed, the core is mottled and contains patches. Faint greenish clay layers are observed. The intervals between Section 2, 13 cm and Section 3, 47 cm and Section 4, 8-18 cm are light colored, due to higher carbonate content.</p> </div> <div>PAL</div> </div> </div>										

Core Photo





Core Photo



Sample					Texture			Mineral																	Biogenic										Rock		Comments														
Core	Type	Section	Interval Top (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Accessory Minerals (1)				Amphibole (8)		Calcite (30)	Chlorite (45)	Clay (47)	Fe Oxide (68)	Feldspar (71)	Glauconite (82)	Mica (118)	Muscovite (131)	Opaques (140)	Pyrite (169)	Quartz (172)	Unspecified Minerals (218)			Volcanic Glass (81)			Zeolite (222)	Algae (5)	Diatoms (58)	Fish Remains (74)	Foraminifers (78)		Nannofossils (132)	Plant Debris (161)	Pollen (162)	Radiolarians (173)	Silicoflagellates (189)	Sponge Spicules (199)	Fecal Pellet (70)	Igneous Rock Fragments (94)	Shell Debris (183)					
184-1145-A																																																			
1	H	1	2	0.02	D	20	10	70					70				1								3								4		1	2	3	2	10		1	3			Clay with radiolarians						
1	H	1	71	0.71	D	1	19	80			1	1	74												1								3		5	5	1		5	1	3				Clay						
2	H	2	100	3.09	D	5	15	80			2		74												2								5		2	5			3	1	5	1				Clay					
2	H	6	70	8.79	D	2	19	79			1		74												5								5		2	5			3	1	3				1		Clay				
3	H	5	70	17.60	D		11	89	1		1		82												6								1		1	7			1								Clay				
3	H	5	107	17.97	D		8	92			3		78		1									2	3							3		2	5					1	1			1			Clay				
4	H	2	76	22.66	M		15	85			3		55		1									2	4							6		3	16				2	8						Clay with Nannofossils					
4	H	4	91	25.81	D		10	90			3		65				1							2	3							4	1	3	7			1	1	12							Clay with Spicules				
5	H	3	20	33.10	D		10	90			2		73											2	3							5		3	10					1							Clay				
5	H	5	38	36.28	M	10	90								5										5		90																					Volcanic Ash			
5	H	6	107	38.47	D		10	90					87												3											2	5			1		2						Clay			
6	H	3	72	43.12	D		13	87			1		72												3								2		1	15			1		5							Clay with Nannofossils			
6	H	3	140	43.80	M		95	5	1							10																				2												Volcanic Ash			
7	H	2	80	51.20	D	2	16	82			2		47												4									1		2	35			2		7							Nannofossil Clay		
7	H	4	78	54.18	D	5	18	77			2		37												1								1	2		3	45			2		7							Clay Nannofossils		
8	H	2	80	60.70	D	2	15	83	1		3		54												1	2								1		2	30			1		5							Nannofossil Clay		
8	H	6	56	66.46	D		23	77			3		41		2		1								3		2						1		1	35			2		9								Clay and nannofossils mixed Sediment		
8	H	6	67	66.57	M	30	70		2						8													90																						Volcanic Clasts	
9	H	5	76	74.66	D		9	91	3		3		71											2	5																								Clay with Nannofossils		
10	H	6	93	85.83	D		5	95	2		3		68											1	3										1	20				2									Clay with Nannofossils		
11	H	1	8	86.98	M	10	40	50	2				50		6									8	10	14	10																						Clay with Quartz Silt		
11	H	1	69	87.59	D	2	14	84			3		67				1								5								1		1	20						2								Clay with Nannofossils	
11	H	4	11	91.51	M		20	80	2		2		79											1	10										1	5														Clay with Quartz	
12	H	2	60	98.50	D		8	92			1		92												3																			3							Clay
13	H	2	70	108.10	D		10	90	1		2		78				1								5		1									1	10					1								Clay with Nannofossils	
14	H	3	50	118.28	D		20	80	1		2		70												5		2									4	15				1									Clay with nannofossils	
14	H	7	7	123.36	M		30	70			1		65		1										30											1	2														Clay with quartz silt
15	X	2	50	126.90	D	0	20	80			2		79		1		2								5											1	10													Clay with nannofossils	
16	X	4	40	137.80	D	0	15	85			5		75				2								5											1	10													Clay with nannofossils	
17	X	1	60	143.10	M	0	70	30					30		5		5								50												10														Quartz clayey silt
18	X	4	60	157.30	D	0	13	87			3		74				2								10								1			10															Clay with quartz and nannofossils
19	X	1	111	162.61	M	0	20	80			5		79												5		5									1	5														Green clay
19	X	4	80	166.80	D	0	20	80	1			1	77				1					1			10											2	7														Clay with quartz silt
20	X	3	80	174.90	D	0	20	80		1	5		73				1								5		2									2	10					1									Clay with nannofossils
21	X	3	70	184.40	D	3	20	77			8	1	67				2								5		1									5	10													Clay with nannofossils	
21	X	4	100	186.20	D	0	25	75	1		10		73				2								5		3									1	5														Silty clay with calcite
22	X	2	90	192.70	D	0	8	92			4		77				1								2		1										15														Clay with nannofossils
22	X	5	80	197.10	D	0	20	80	1		5	1	75				2								5		1										10														Clay with nannofossils

Sample					Texture			Mineral															Biogenic										Rock			Comments												
Core	Type	Section	Interval Top (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Accessory Minerals (1)			Amphibole (8)			Calcite (30)	Chlorite (45)	Clay (47)	Fe Oxide (68)	Feldspar (71)	Glauconite (82)	Mica (118)	Muscovite (131)	Opalques (140)	Pyrite (169)	Quartz (172)	Unspecified Minerals (218)			Volcanic Glass (81)	Zeolite (222)	Algae (5)	Diatoms (58)	Fish Remains (74)	Foraminifers (78)	Nannofossils (132)		Plant Debris (161)	Pollen (162)	Radiolarians (173)	Silicoflagellates (189)	Sponge Spicules (199)	Fecal Pellet (70)	Igneous Rock Fragments (94)	Shell Debris (183)				
184-1145B-																																																
2	H	1	8	6.68	D	2	24	74	1		3		64		1			1							3						2		1	11			2	11						Clay with Nannofossils and Spicules				
3	H	2	30	17.90	D		22	78	1		2		77			2									10						1			1			1		5							Clay with Volcanic Glass and Spicules		
3	H	5	60	22.70	M		31	69	1		2		64												8		10				2		1				2		10							Clay with Volcanic Glass and Spicules		
3	H	6	35	23.95	M		28	72			2		70					1			2	6		10				2		1	1							5							Clay with Volcanic Glass			
4	H	2	30	27.40	D	3	27	70	1			1	68					1			1	6					3		1	2							15							Clay with Spicules				
5	H	1	144	36.54	M	20	50	30	2	5			20				2					4			10		45			1			5			3	1	2							Volcanic ash with quartz			
5	H	2	20	36.80	D		14	86	1		2		86					1							10																				Clay with Quartz			
5	H	3	10	38.20	D		15	85			2		80							1				1	4							5					1		5						Clay			
5	H	4	80	40.40	D	0	20	80			5		76												5		1			1			10			1	1								Clay			
5	H	6	18	42.78	M	70	30		2							10											88																			Volcanic Ash		
5	H	7	30	44.40	D	0	20	80			2		70					1							4		1				2	10				1	1	5							Clay with nannofossils			
6	H	2	80	46.90	D	0	10	90		1	1		73				1							1	2		1				15			1	1	2									Clay with nannofossils			
6	H	5	130	51.90	M	0	51	49	1		2		45	5			1			5				2		30		1			5			1		2										Altered volcanic clayey silt		
6	H	6	86	52.96	M	0	40	60	4		2		62											4		12		1			5					1	1	3	5						Clay with volcanic fragments			
8	H	4	52	68.62	M	0	80	20		5			20		8		2								10		55																			Volcanic ash		
13	H	2	20	112.80	D		14	86	1		2		86								1				10																					Clay with Quartz		
14	X	1	20	120.80	D		15	85	1		3		84					1							6					1	1							2								Clay		
15	X	3	50	133.70	D		6	94	1		1		90											1	2			1								2									Clay			
16	X	1	40	140.20	D		10	90			2		88		1									3	2									1	2				1							Clay		
16	X	3	74	143.54	M		25	75					61		3										12		3			1		8	10						2							Clay with Quartz and Nannofossils		
16	X	6	96	148.26	M		30	70	2				75		2									5	10							1														Clay with Silt		
17	X	2	45	151.45	M		97	3	5		2		3		10		5							5	60		7																			Quartz Silt		
17	X	3	10	152.60	D		10	90					81		1		1							2	5						2	8														Clay		
18	X	3	42	162.12	D		15	85			7		58											3	2				1		4	25														Nannofossil Clay		
18	X	4	68	163.88	D	2	20	78			10		54		1		2							5	4						2	20									2					Clay with Nannofossils and Calcite Silt		
18	X	CC	1	168.23	M	60	15	25					15				2							5	3							68	7													Foraminifer Ooze with Clay		
19	X	2	40	170.20	D		14	86			3		78		1	2	1							5	3					2	2	3														Clay		
19	X	4	50	173.30	M		12	88			5		77		1	1	1								2			1				2	8						2							Clay		
21	X	2	20	189.30	D		12	88	1		3		80	1								1			3								10													Clay with Nannofossils		
22	X	2	10	198.80	D		12	88	1		5		68	2								1			2				1				20														Clay with Nannofossils	
184-1145C-																																																
16	X	4	26	145.56	M	0	5	95		0	1		95		1		0							1	2		0																					Clay