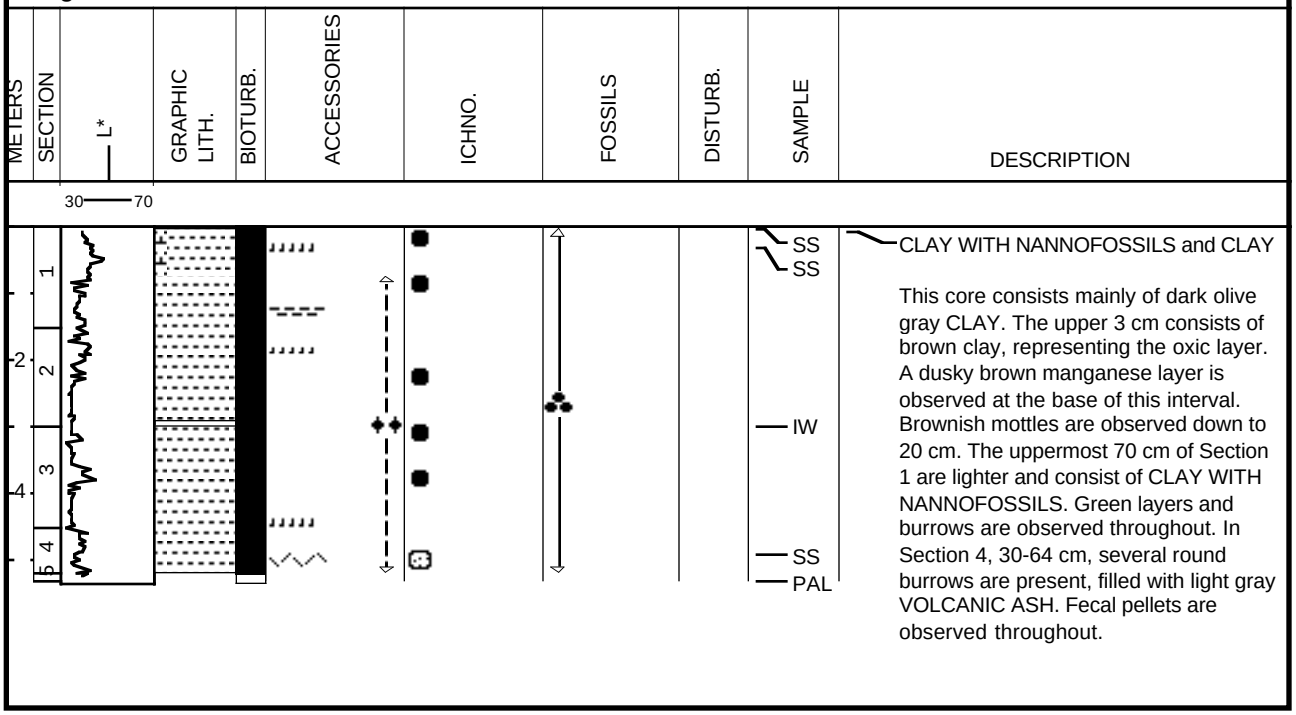
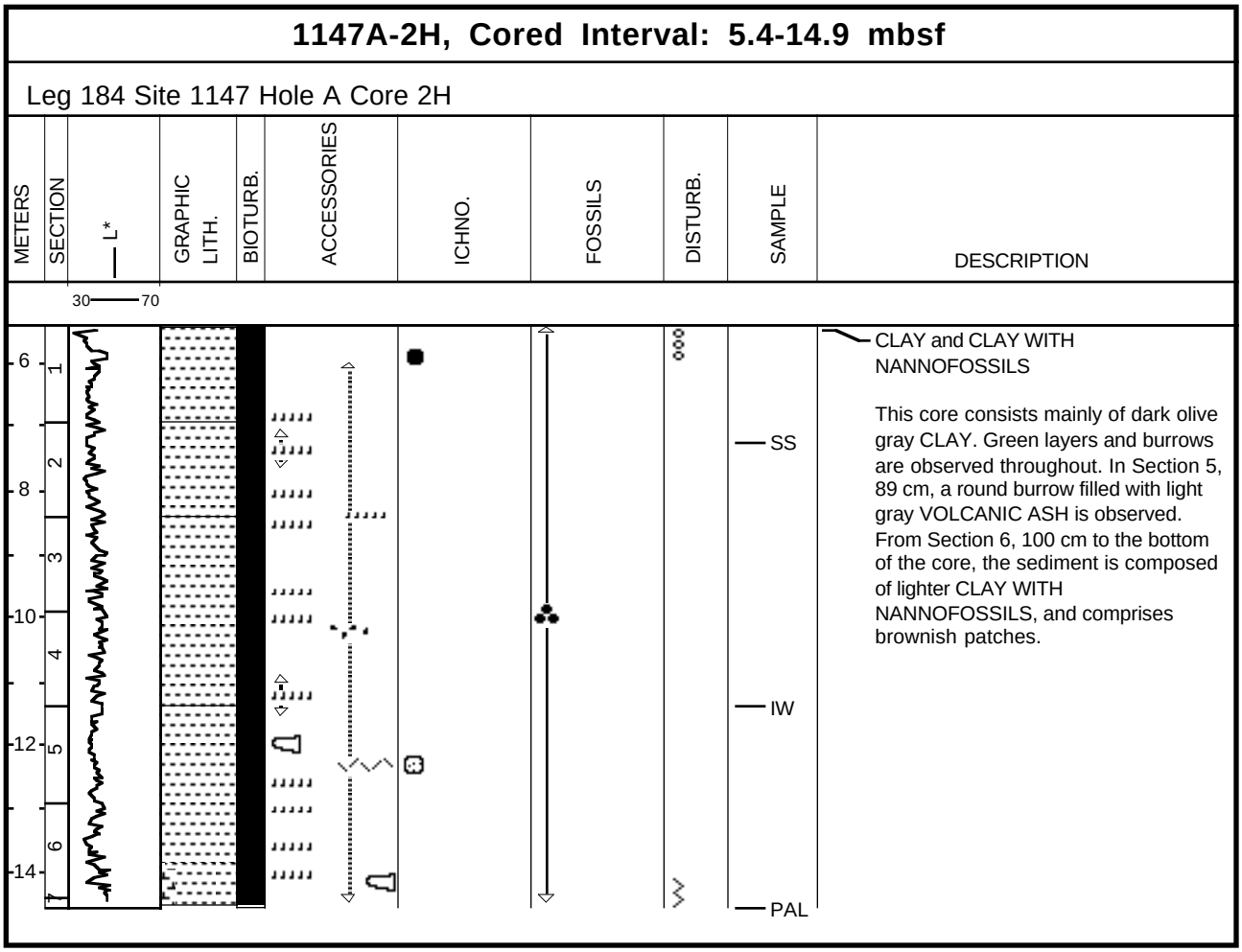
Core Photo

1147A-1H, Cored Interval: 0.0-5.4 mbsf

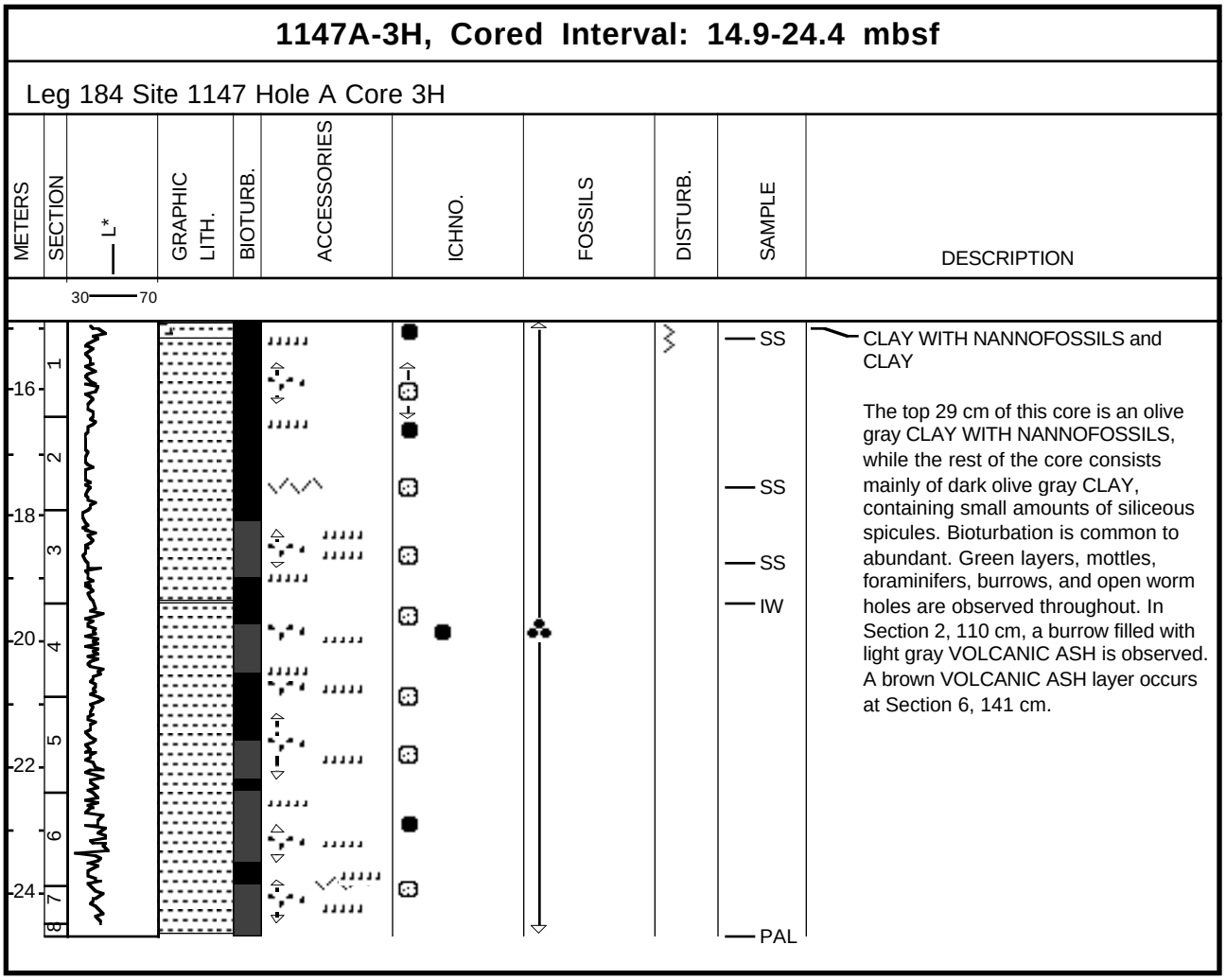
Leg 184 Site 1147 Hole A Core 1H



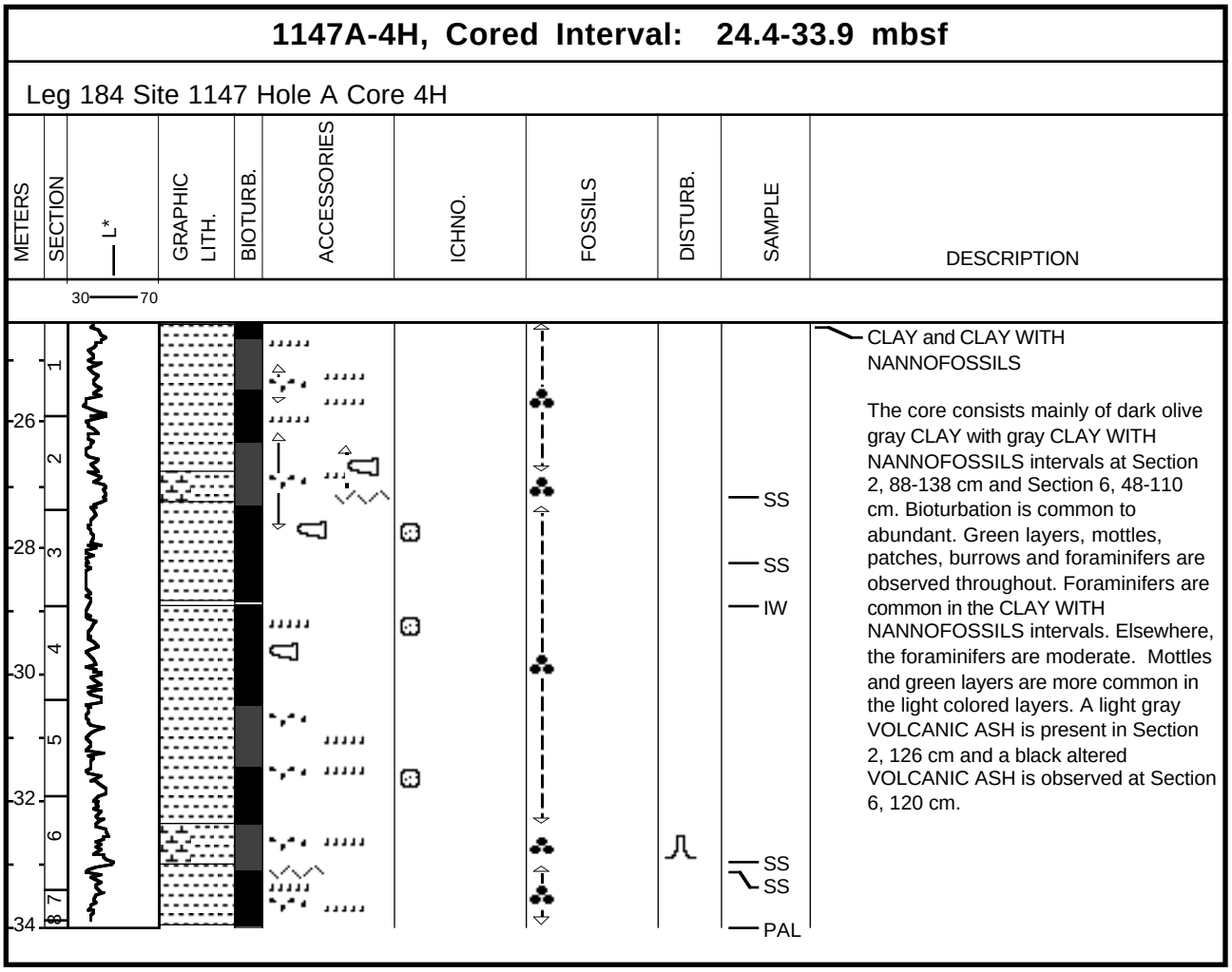
Core Photo


1147A-2H, Cored Interval: 5.4-14.9 mbsf
Leg 184 Site 1147 Hole A Core 2H
METERS
SECTION
L*
30
70
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
6
8
10
12
14
1
2
3
4
5
6
SS
IW
PAL
CLAY and CLAY WITH NANNOFOSSILS
This core consists mainly of dark olive gray CLAY. Green layers and burrows are observed throughout. In Section 5, 89 cm, a round burrow filled with light gray VOLCANIC ASH is observed. From Section 6, 100 cm to the bottom of the core, the sediment is composed of lighter CLAY WITH NANNOFOSSILS, and comprises brownish patches.

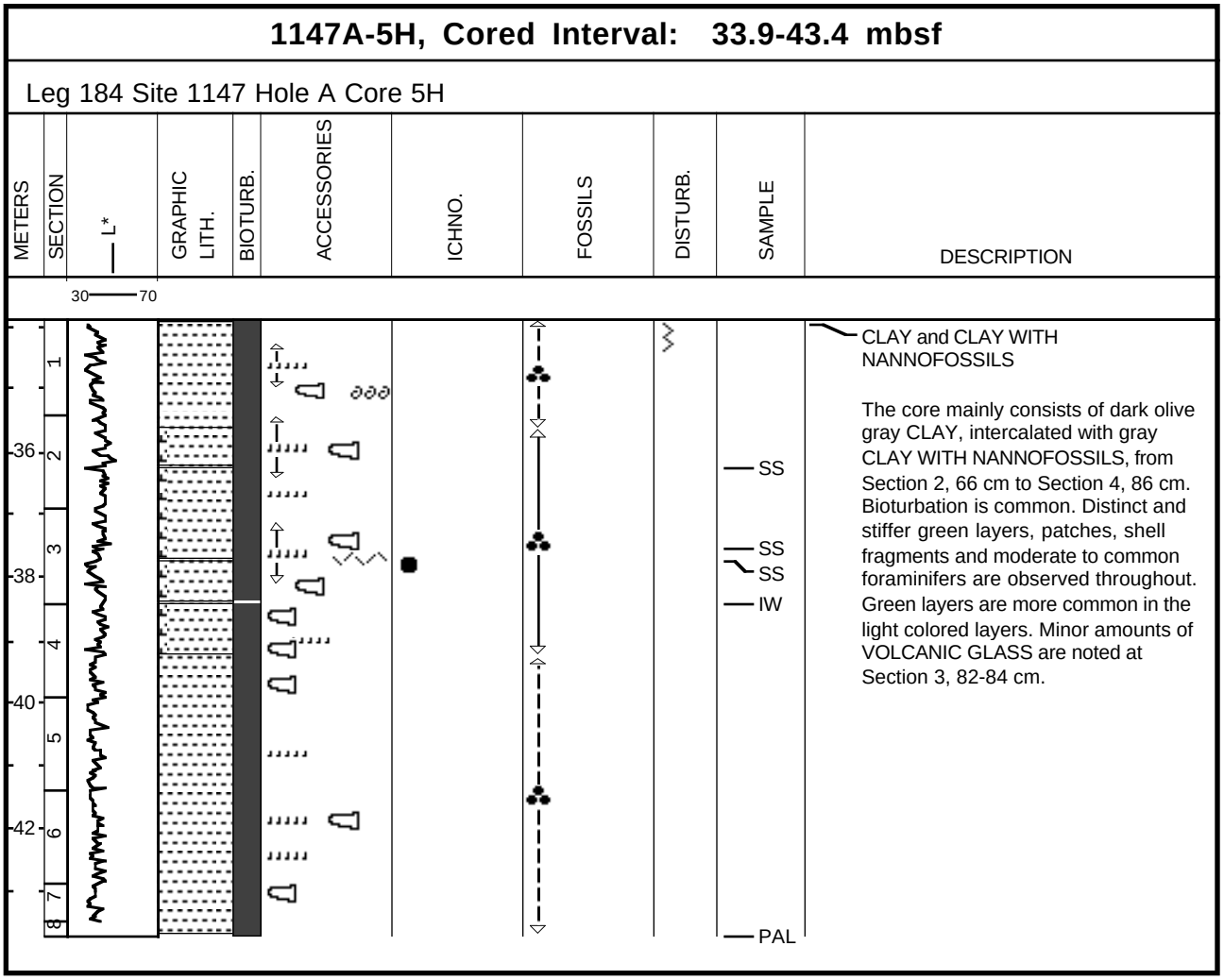
Core Photo


1147A-3H, Cored Interval: 14.9-24.4 mbsf
Leg 184 Site 1147 Hole A Core 3H
METERS
SECTION
L*
30
70
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
16
18
20
22
24
1
2
3
4
5
6
7
SS
SS
SS
IW
PAL
CLAY WITH NANNOFOSSILS and CLAY
The top 29 cm of this core is an olive gray CLAY WITH NANNOFOSSILS, while the rest of the core consists mainly of dark olive gray CLAY, containing small amounts of siliceous spicules. Bioturbation is common to abundant. Green layers, mottles, foraminifers, burrows, and open worm holes are observed throughout. In Section 2, 110 cm, a burrow filled with light gray VOLCANIC ASH is observed. A brown VOLCANIC ASH layer occurs at Section 6, 141 cm.

Core Photo


1147A-4H, Cored Interval: 24.4-33.9 mbsf
Leg 184 Site 1147 Hole A Core 4H
METERS
SECTION
L*
30
70
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
26
28
30
32
34
1
2
3
4
5
6
7
SS
SS
IW
SS
SS
PAL
CLAY and CLAY WITH NANNOFOSSILS
The core consists mainly of dark olive gray CLAY with gray CLAY WITH NANNOFOSSILS intervals at Section 2, 88-138 cm and Section 6, 48-110 cm. Bioturbation is common to abundant. Green layers, mottles, patches, burrows and foraminifers are observed throughout. Foraminifers are common in the CLAY WITH NANNOFOSSILS intervals. Elsewhere, the foraminifers are moderate. Mottles and green layers are more common in the light colored layers. A light gray VOLCANIC ASH is present in Section 2, 126 cm and a black altered VOLCANIC ASH is observed at Section 6, 120 cm.

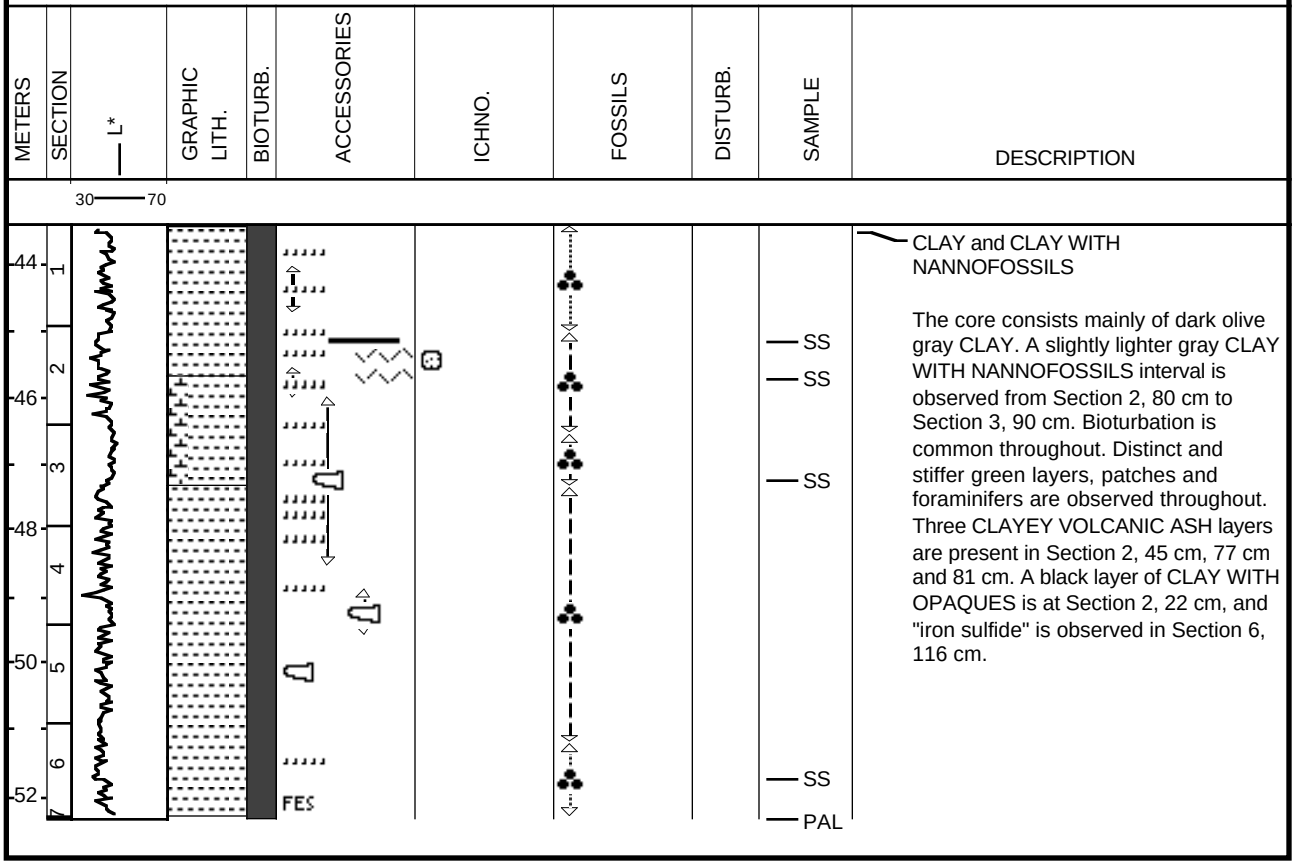
Core Photo


1147A-5H, Cored Interval: 33.9-43.4 mbsf
Leg 184 Site 1147 Hole A Core 5H
METERS
SECTION
L*
30
70
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
36
38
40
42
1
2
3
4
5
6
7
SS
SS
SS
IW
PAL
CLAY and CLAY WITH NANNOFOSSILS
The core mainly consists of dark olive gray CLAY, intercalated with gray CLAY WITH NANNOFOSSILS, from Section 2, 66 cm to Section 4, 86 cm. Bioturbation is common. Distinct and stiffer green layers, patches, shell fragments and moderate to common foraminifers are observed throughout. Green layers are more common in the light colored layers. Minor amounts of VOLCANIC GLASS are noted at Section 3, 82-84 cm.

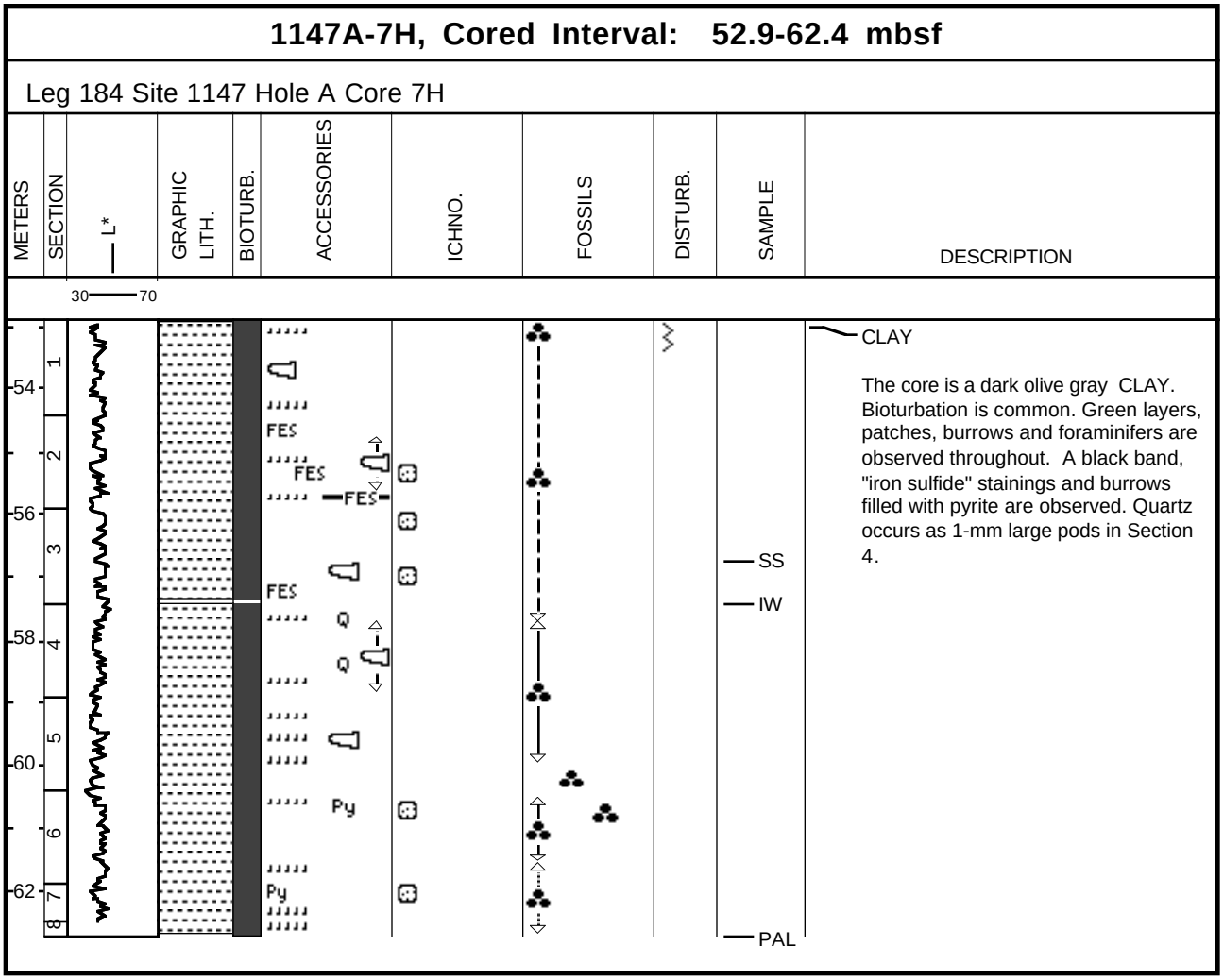
Core Photo

1147A-6H, Cored Interval: 43.4-52.9 mbsf

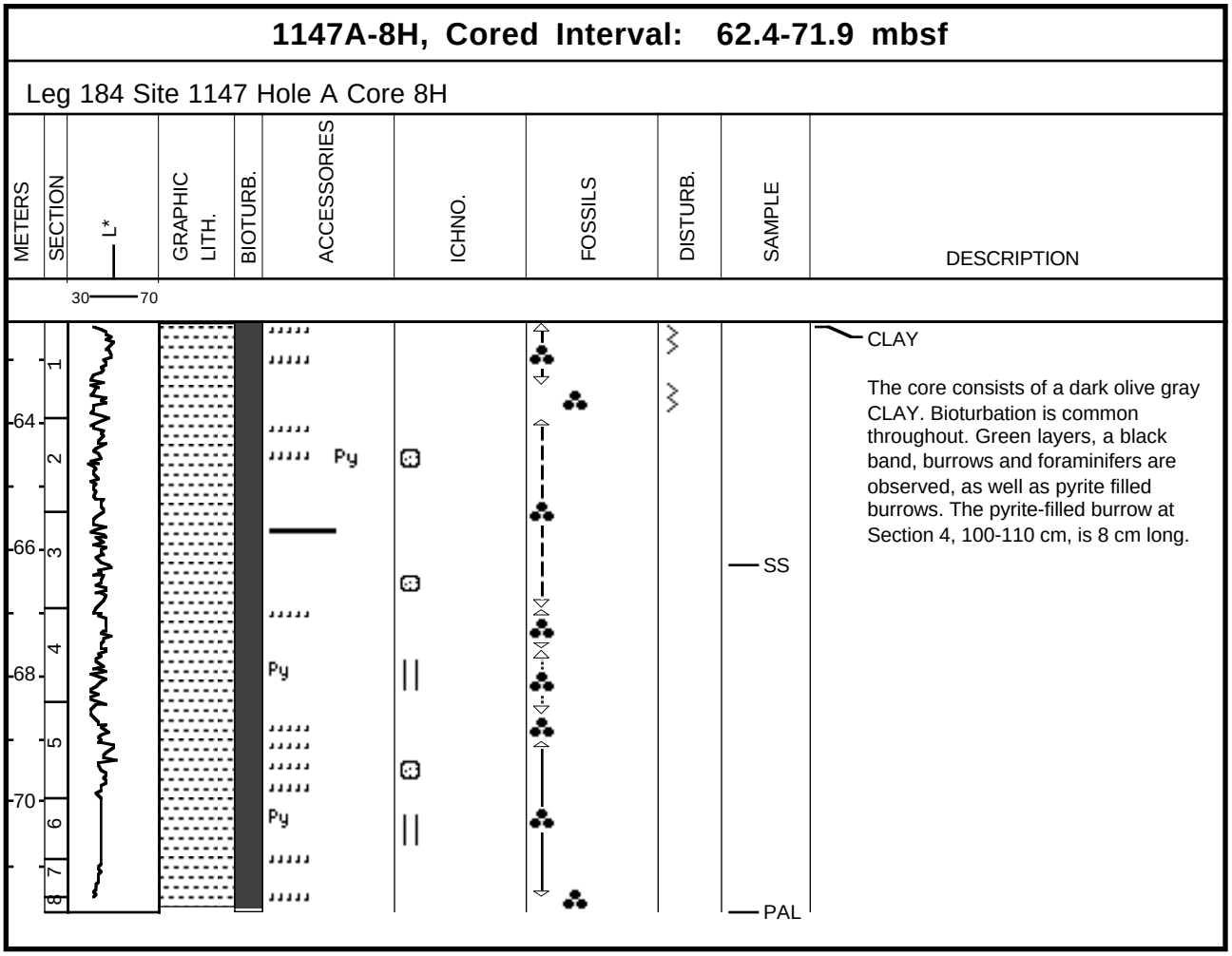
Leg 184 Site 1147 Hole A Core 6H



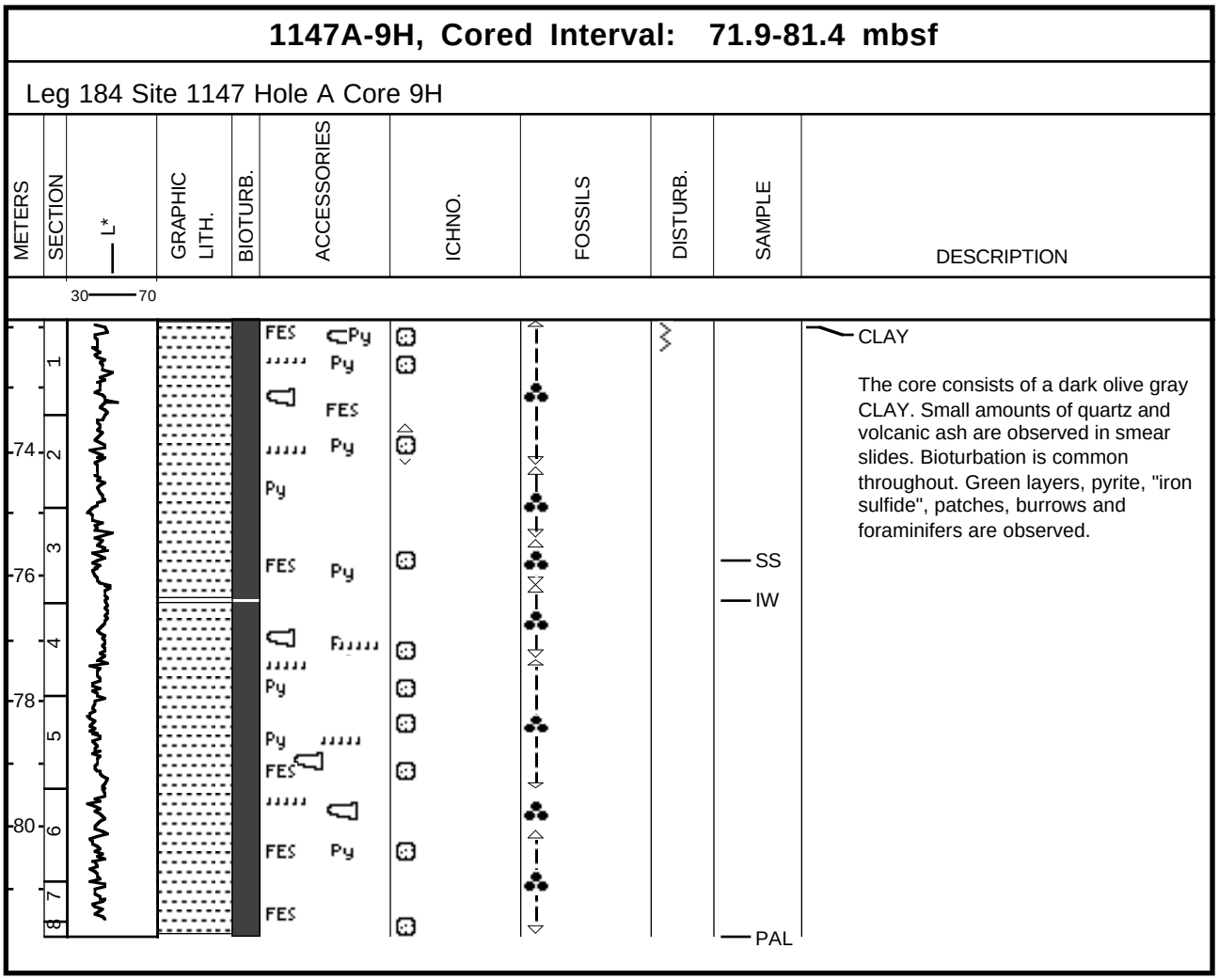
Core Photo


1147A-7H, Cored Interval: 52.9-62.4 mbsf
Leg 184 Site 1147 Hole A Core 7H
METERS
SECTION
L*
30
70
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
54
56
58
60
62
1
2
3
4
5
6
7
FES
FES
FES
Q
Q
Py
Py
SS
IW
PAL
CLAY
The core is a dark olive gray CLAY. Bioturbation is common. Green layers, patches, burrows and foraminifers are observed throughout. A black band, "iron sulfide" stainings and burrows filled with pyrite are observed. Quartz occurs as 1-mm large pods in Section 4.

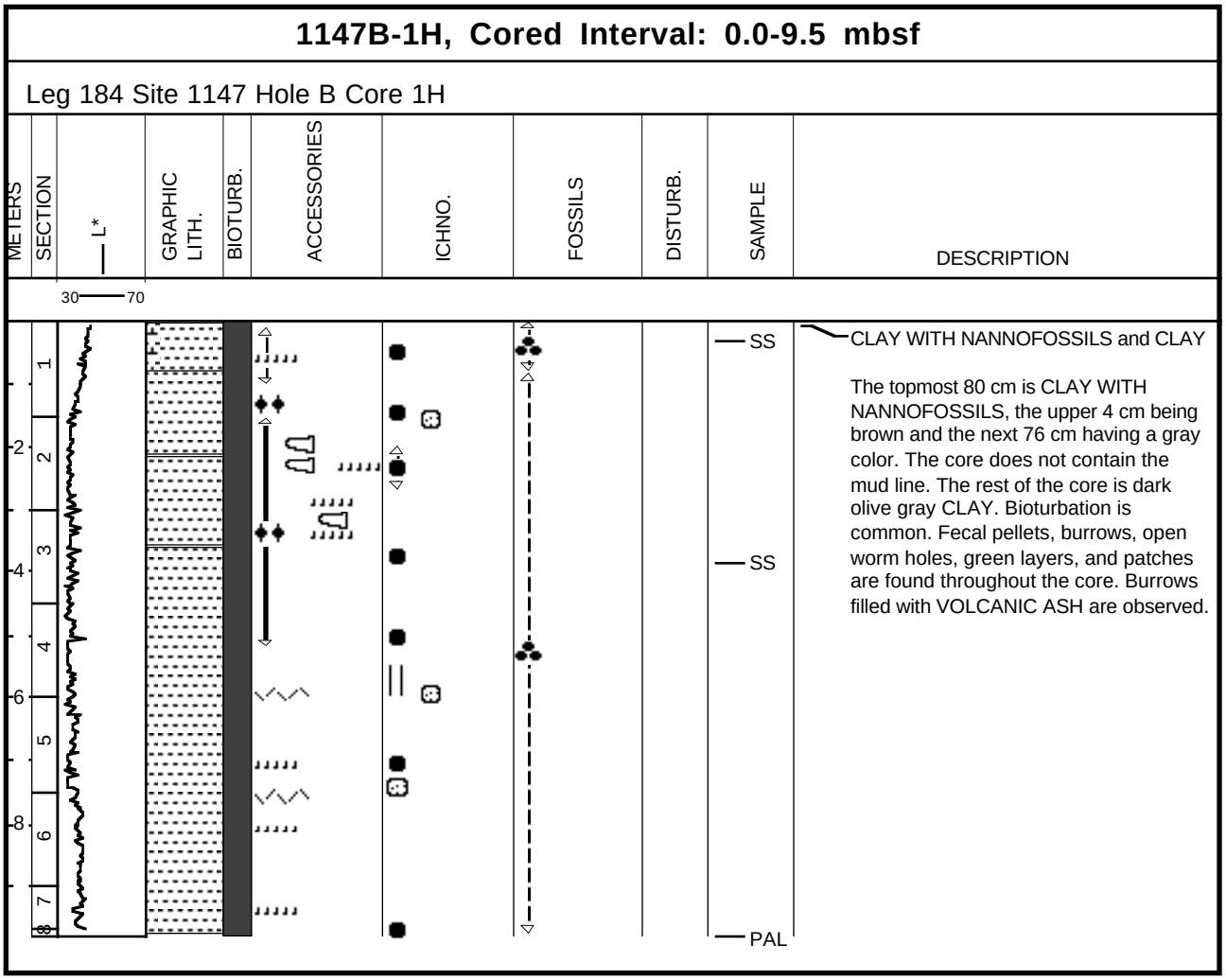
Core Photo


1147A-8H, Cored Interval: 62.4-71.9 mbsf
Leg 184 Site 1147 Hole A Core 8H
METERS
SECTION
L*
30
70
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
64
66
68
70
1
2
3
4
5
6
7
Py
Py
Py
SS
PAL
CLAY
The core consists of a dark olive gray CLAY. Bioturbation is common throughout. Green layers, a black band, burrows and foraminifers are observed, as well as pyrite filled burrows. The pyrite-filled burrow at Section 4, 100-110 cm, is 8 cm long.

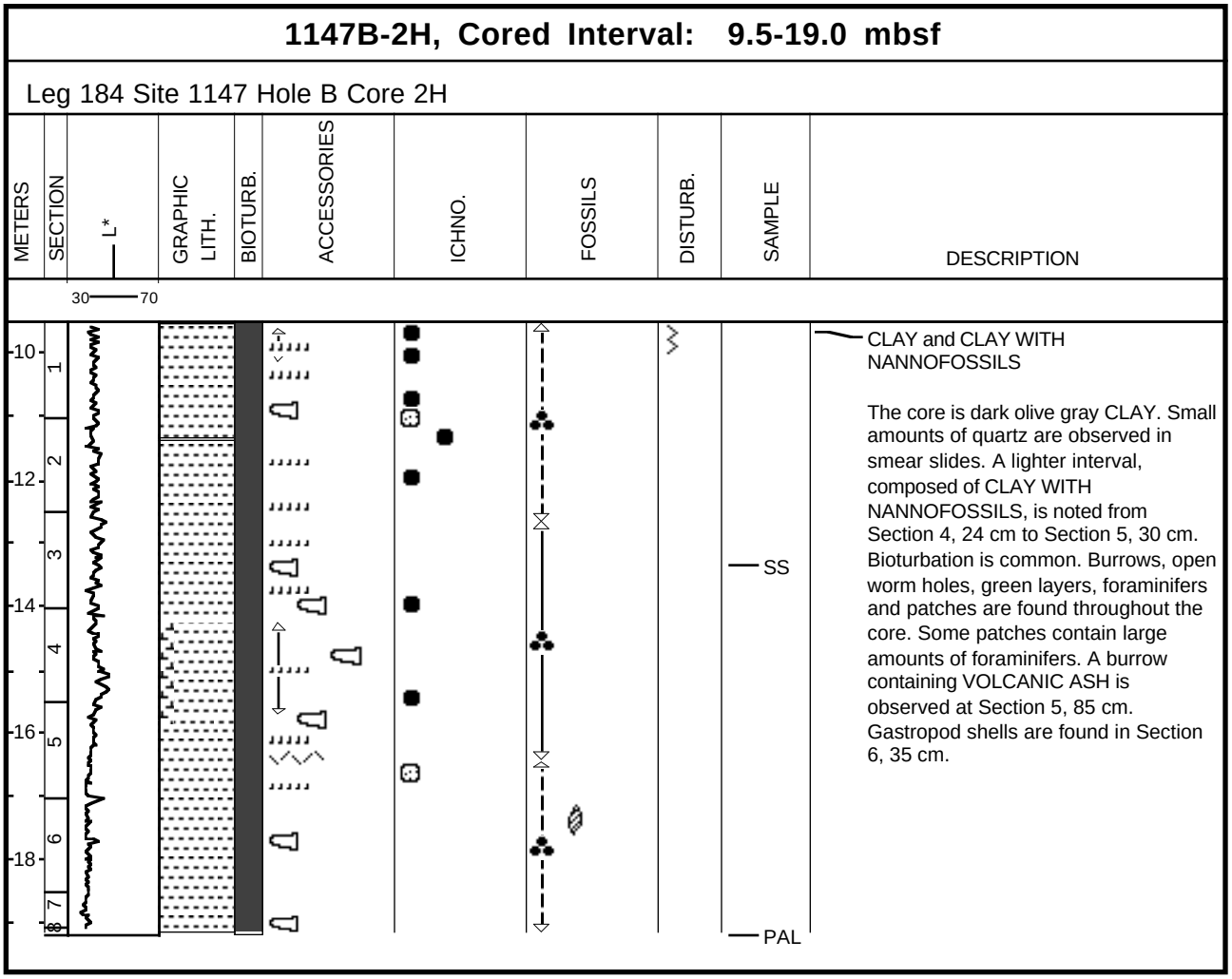
Core Photo


1147A-9H, Cored Interval: 71.9-81.4 mbsf
Leg 184 Site 1147 Hole A Core 9H
METERS
SECTION
L*
30
70
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
74
76
78
80
1
2
3
4
5
6
7
FES
Py
SS
IW
PAL
CLAY
The core consists of a dark olive gray CLAY. Small amounts of quartz and volcanic ash are observed in smear slides. Bioturbation is common throughout. Green layers, pyrite, "iron sulfide", patches, burrows and foraminifers are observed.

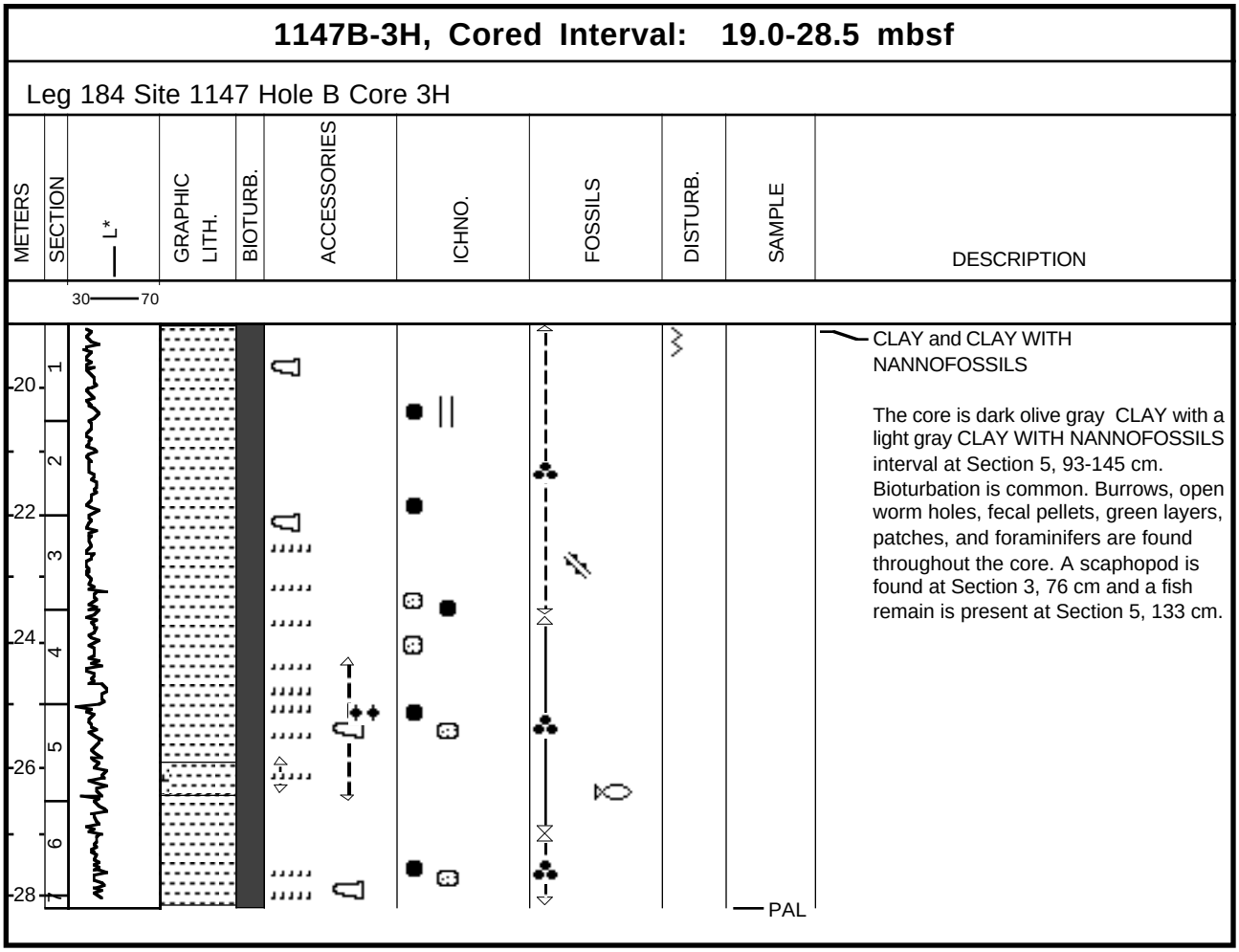
Core Photo


1147B-1H, Cored Interval: 0.0-9.5 mbsf
Leg 184 Site 1147 Hole B Core 1H
METERS
SECTION
L*
30
70
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
PAL
CLAY WITH NANNOFOSSILS and CLAY
The topmost 80 cm is CLAY WITH NANNOFOSSILS, the upper 4 cm being brown and the next 76 cm having a gray color. The core does not contain the mud line. The rest of the core is dark olive gray CLAY. Bioturbation is common. Fecal pellets, burrows, open worm holes, green layers, and patches are found throughout the core. Burrows filled with VOLCANIC ASH are observed.

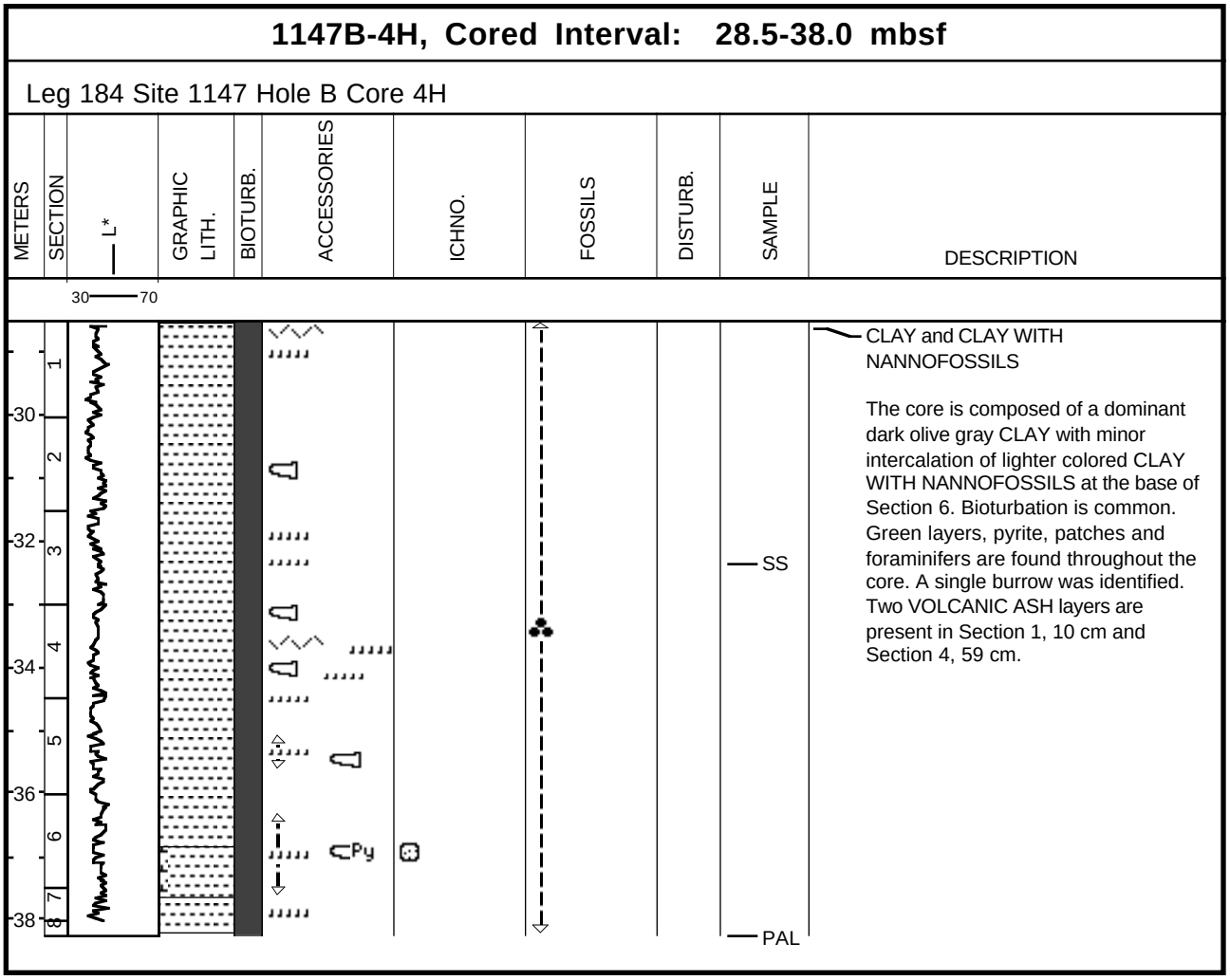
Core Photo


1147B-2H, Cored Interval: 9.5-19.0 mbsf
Leg 184 Site 1147 Hole B Core 2H
METERS
SECTION
L*
30
70
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
10
12
14
16
18
1
2
3
4
5
6
7
SS
PAL
CLAY and CLAY WITH NANNOFOSSILS
The core is dark olive gray CLAY. Small amounts of quartz are observed in smear slides. A lighter interval, composed of CLAY WITH NANNOFOSSILS, is noted from Section 4, 24 cm to Section 5, 30 cm. Bioturbation is common. Burrows, open worm holes, green layers, foraminifers and patches are found throughout the core. Some patches contain large amounts of foraminifers. A burrow containing VOLCANIC ASH is observed at Section 5, 85 cm. Gastropod shells are found in Section 6, 35 cm.

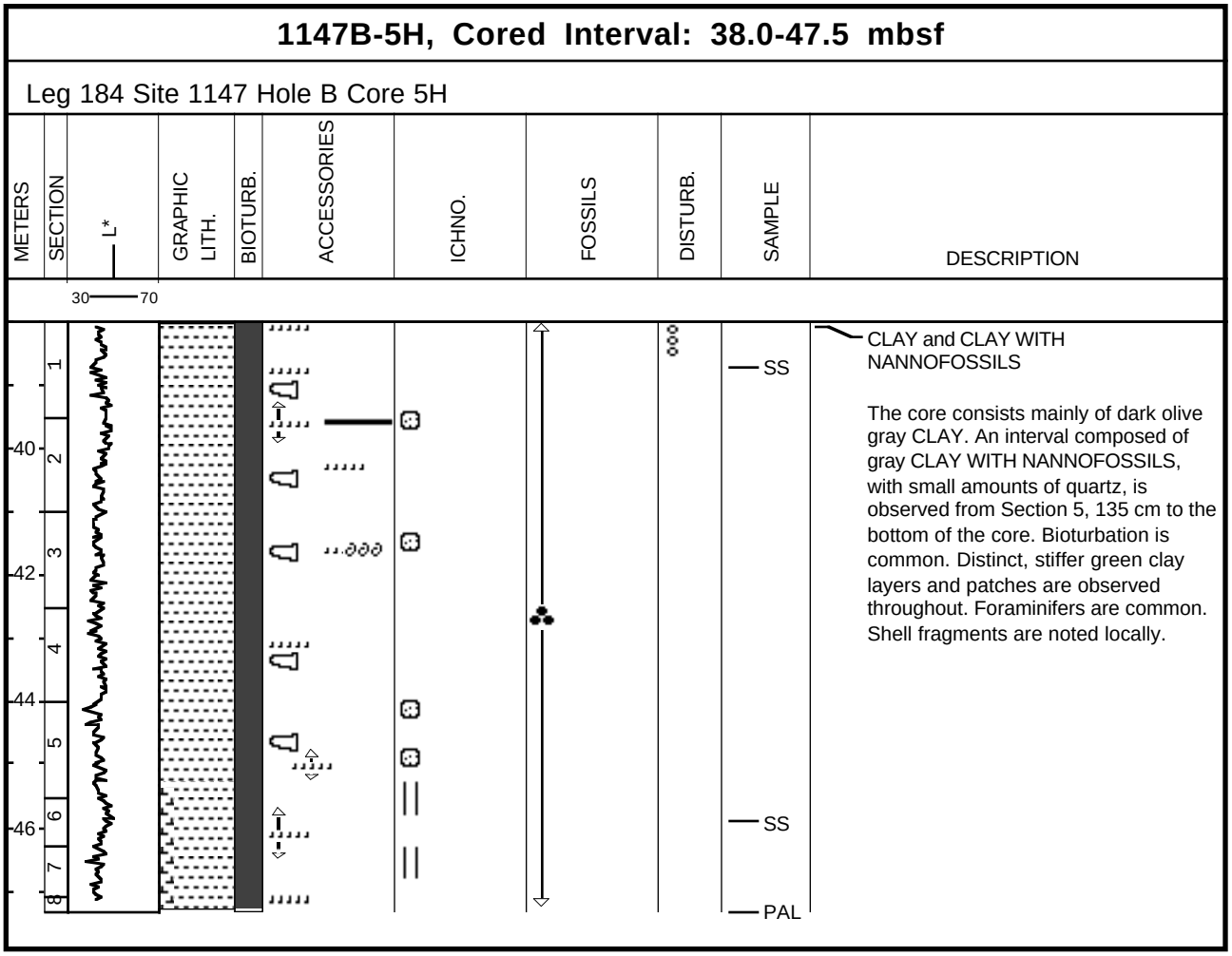
Core Photo


1147B-3H, Cored Interval: 19.0-28.5 mbsf
Leg 184 Site 1147 Hole B Core 3H
METERS
SECTION
L*
30
70
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
20
22
24
26
28
1
2
3
4
5
6
PAL
CLAY and CLAY WITH NANNOFOSSILS
The core is dark olive gray CLAY with a light gray CLAY WITH NANNOFOSSILS interval at Section 5, 93-145 cm. Bioturbation is common. Burrows, open worm holes, fecal pellets, green layers, patches, and foraminifers are found throughout the core. A scaphopod is found at Section 3, 76 cm and a fish remain is present at Section 5, 133 cm.

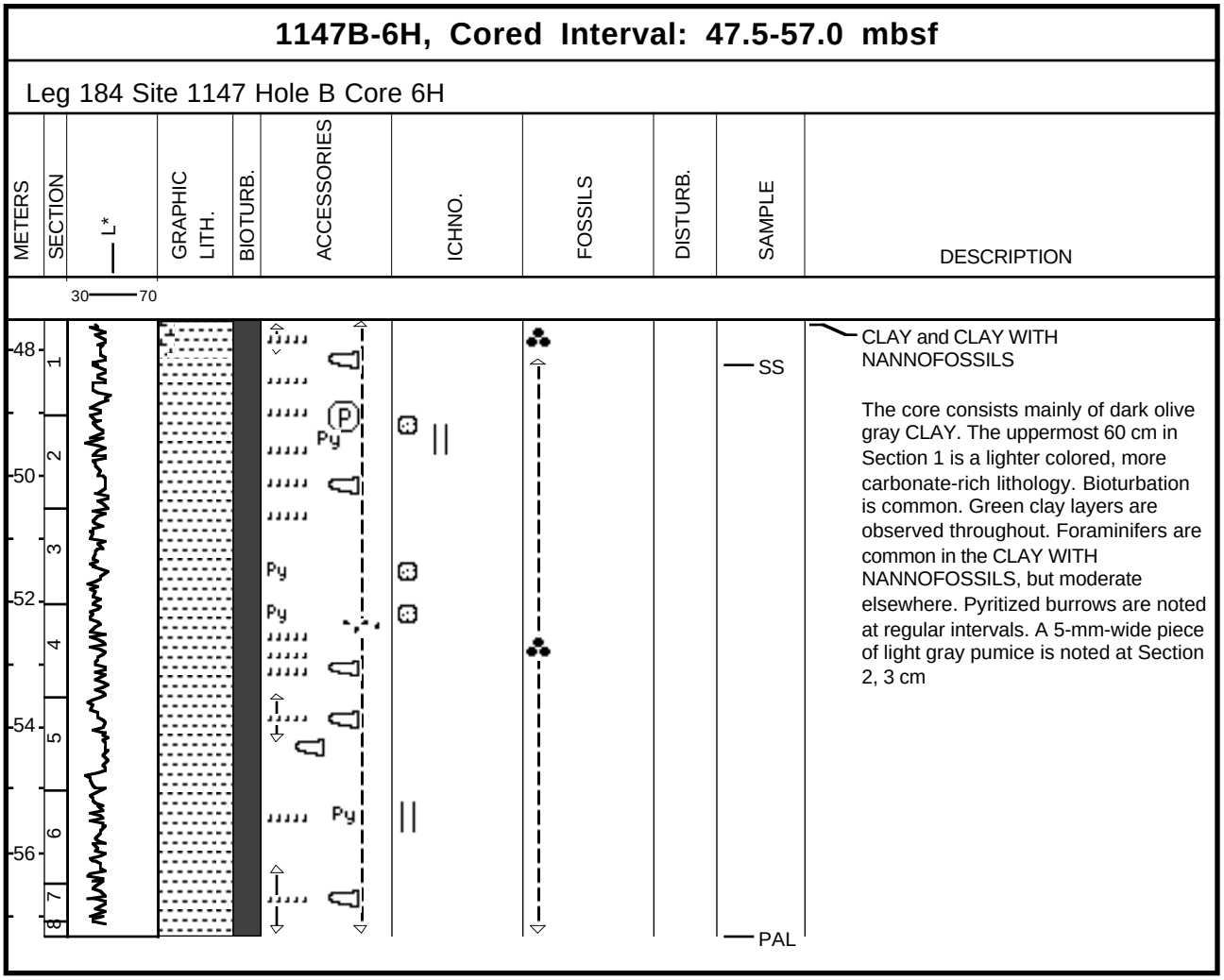
Core Photo


1147B-4H, Cored Interval: 28.5-38.0 mbsf
Leg 184 Site 1147 Hole B Core 4H
METERS
SECTION
L*
30
70
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
30
32
34
36
38
1
2
3
4
5
6
7
Py
SS
PAL
CLAY and CLAY WITH NANNOFOSSILS
The core is composed of a dominant dark olive gray CLAY with minor intercalation of lighter colored CLAY WITH NANNOFOSSILS at the base of Section 6. Bioturbation is common. Green layers, pyrite, patches and foraminifers are found throughout the core. A single burrow was identified. Two VOLCANIC ASH layers are present in Section 1, 10 cm and Section 4, 59 cm.

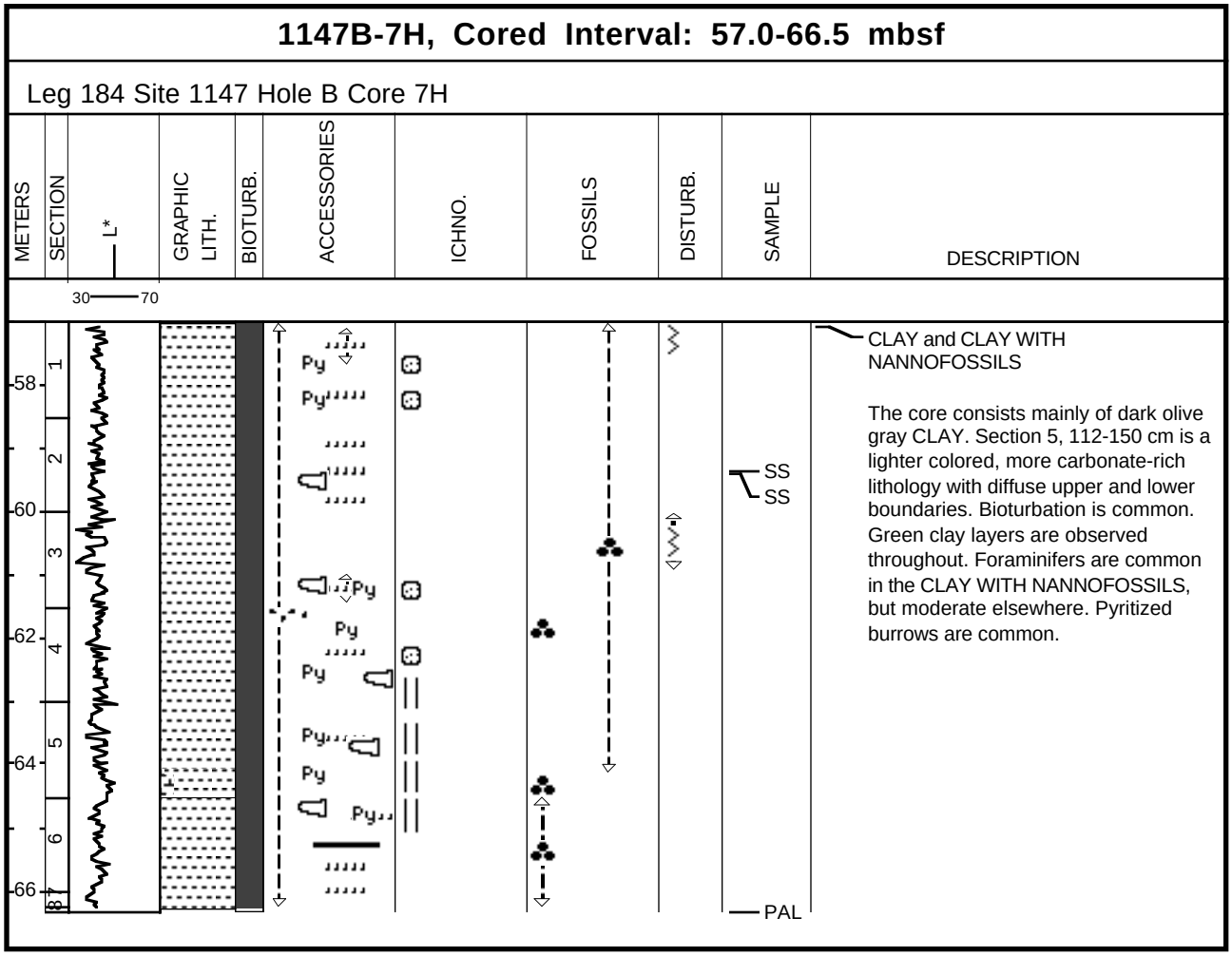
Core Photo


1147B-5H, Cored Interval: 38.0-47.5 mbsf
Leg 184 Site 1147 Hole B Core 5H
METERS
SECTION
L*
30
70
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
40
42
44
46
1
2
3
4
5
6
7
SS
SS
PAL
CLAY and CLAY WITH NANNOFOSSILS
The core consists mainly of dark olive gray CLAY. An interval composed of gray CLAY WITH NANNOFOSSILS, with small amounts of quartz, is observed from Section 5, 135 cm to the bottom of the core. Bioturbation is common. Distinct, stiffer green clay layers and patches are observed throughout. Foraminifers are common. Shell fragments are noted locally.

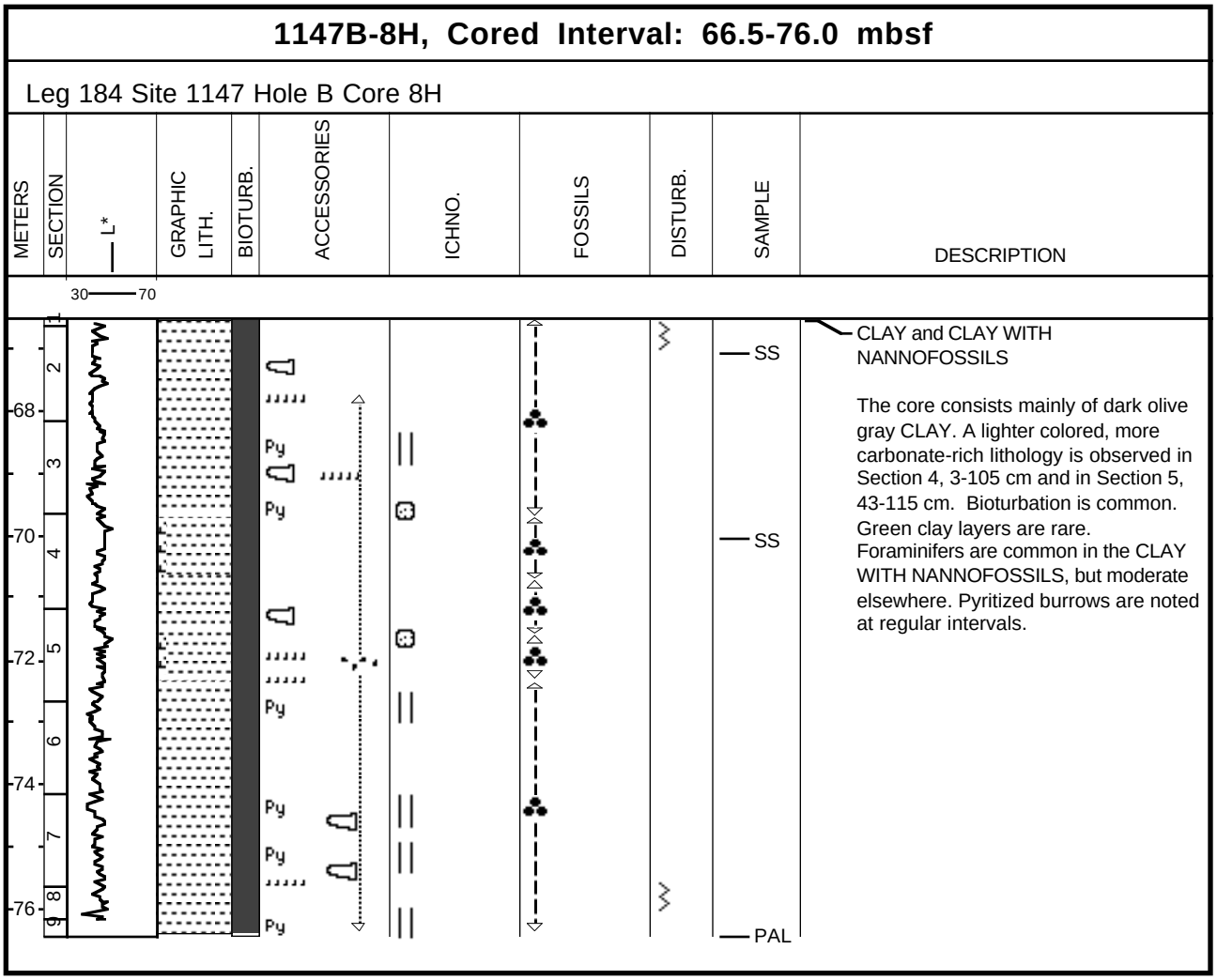
Core Photo


1147B-6H, Cored Interval: 47.5-57.0 mbsf
Leg 184 Site 1147 Hole B Core 6H
METERS
SECTION
L*
30
70
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
48
50
52
54
56
1
2
3
4
5
6
7
Py
P
SS
PAL
CLAY and CLAY WITH NANNOFOSSILS
The core consists mainly of dark olive gray CLAY. The uppermost 60 cm in Section 1 is a lighter colored, more carbonate-rich lithology. Bioturbation is common. Green clay layers are observed throughout. Foraminifers are common in the CLAY WITH NANNOFOSSILS, but moderate elsewhere. Pyritized burrows are noted at regular intervals. A 5-mm-wide piece of light gray pumice is noted at Section 2, 3 cm

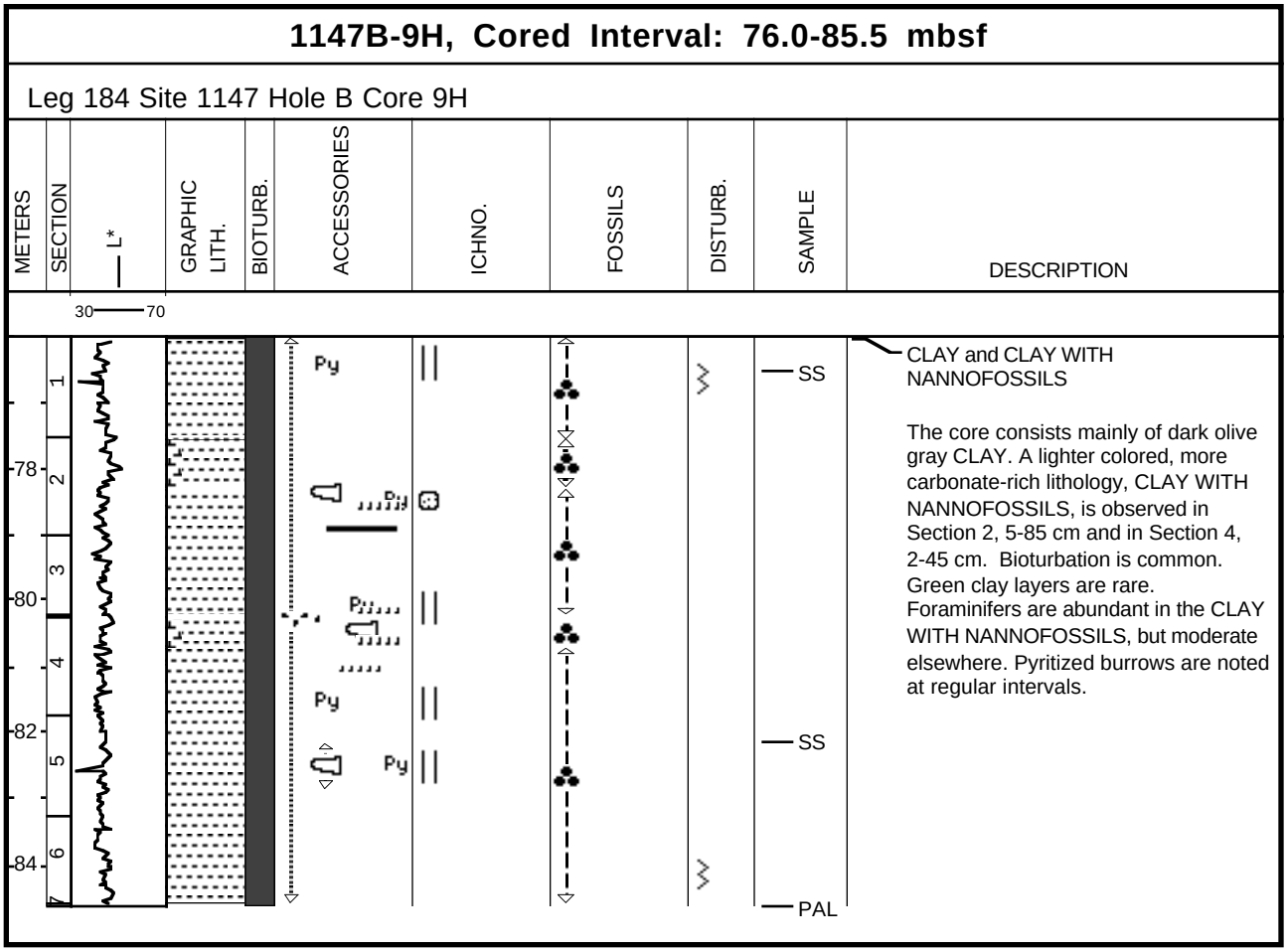
Core Photo


1147B-7H, Cored Interval: 57.0-66.5 mbsf
Leg 184 Site 1147 Hole B Core 7H
METERS
SECTION
L*
30
70
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
58
60
62
64
66
1
2
3
4
5
6
7
CC
Py
SS
SS
PAL
CLAY and CLAY WITH NANNOFOSSILS
The core consists mainly of dark olive gray CLAY. Section 5, 112-150 cm is a lighter colored, more carbonate-rich lithology with diffuse upper and lower boundaries. Bioturbation is common. Green clay layers are observed throughout. Foraminifers are common in the CLAY WITH NANNOFOSSILS, but moderate elsewhere. Pyritized burrows are common.

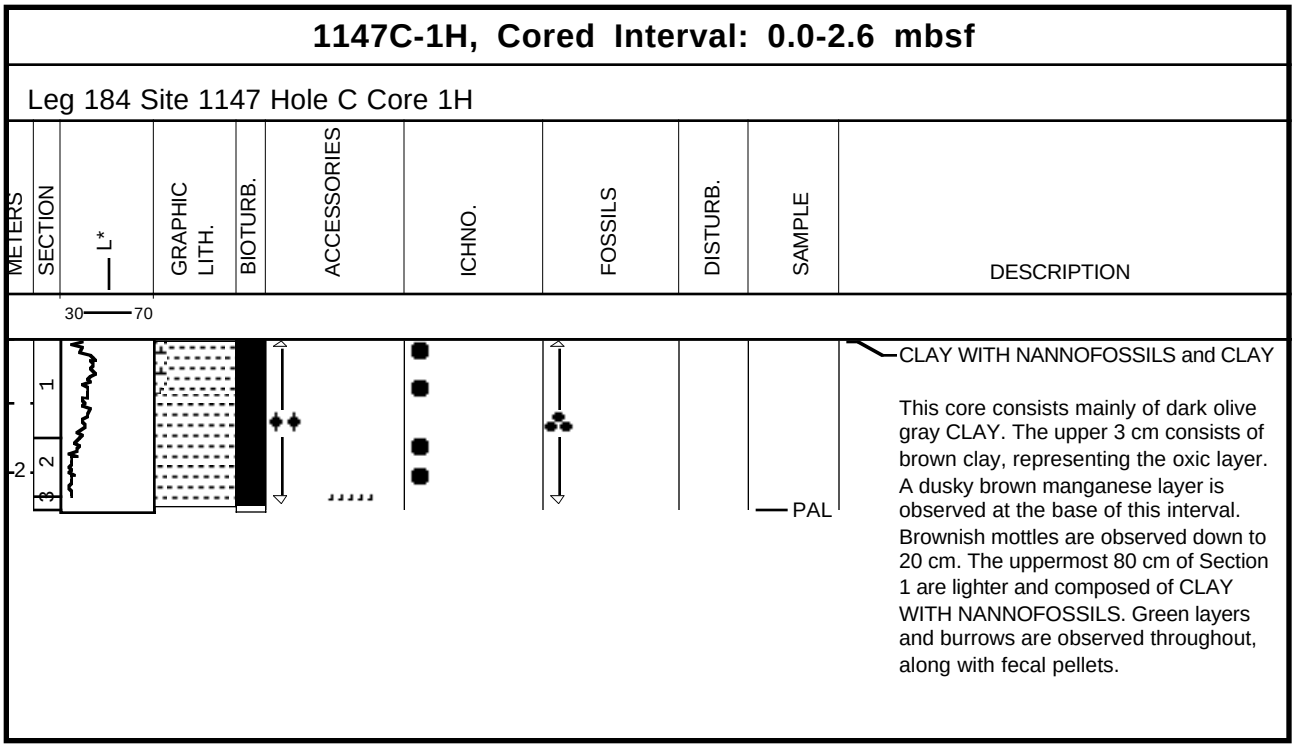
Core Photo


1147B-8H, Cored Interval: 66.5-76.0 mbsf
Leg 184 Site 1147 Hole B Core 8H
METERS
SECTION
L*
30
70
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
68
70
72
74
76
1
2
3
4
5
6
7
8
9
Py
SS
SS
PAL
CLAY and CLAY WITH NANNOFOSSILS
The core consists mainly of dark olive gray CLAY. A lighter colored, more carbonate-rich lithology is observed in Section 4, 3-105 cm and in Section 5, 43-115 cm. Bioturbation is common. Green clay layers are rare. Foraminifers are common in the CLAY WITH NANNOFOSSILS, but moderate elsewhere. Pyritized burrows are noted at regular intervals.

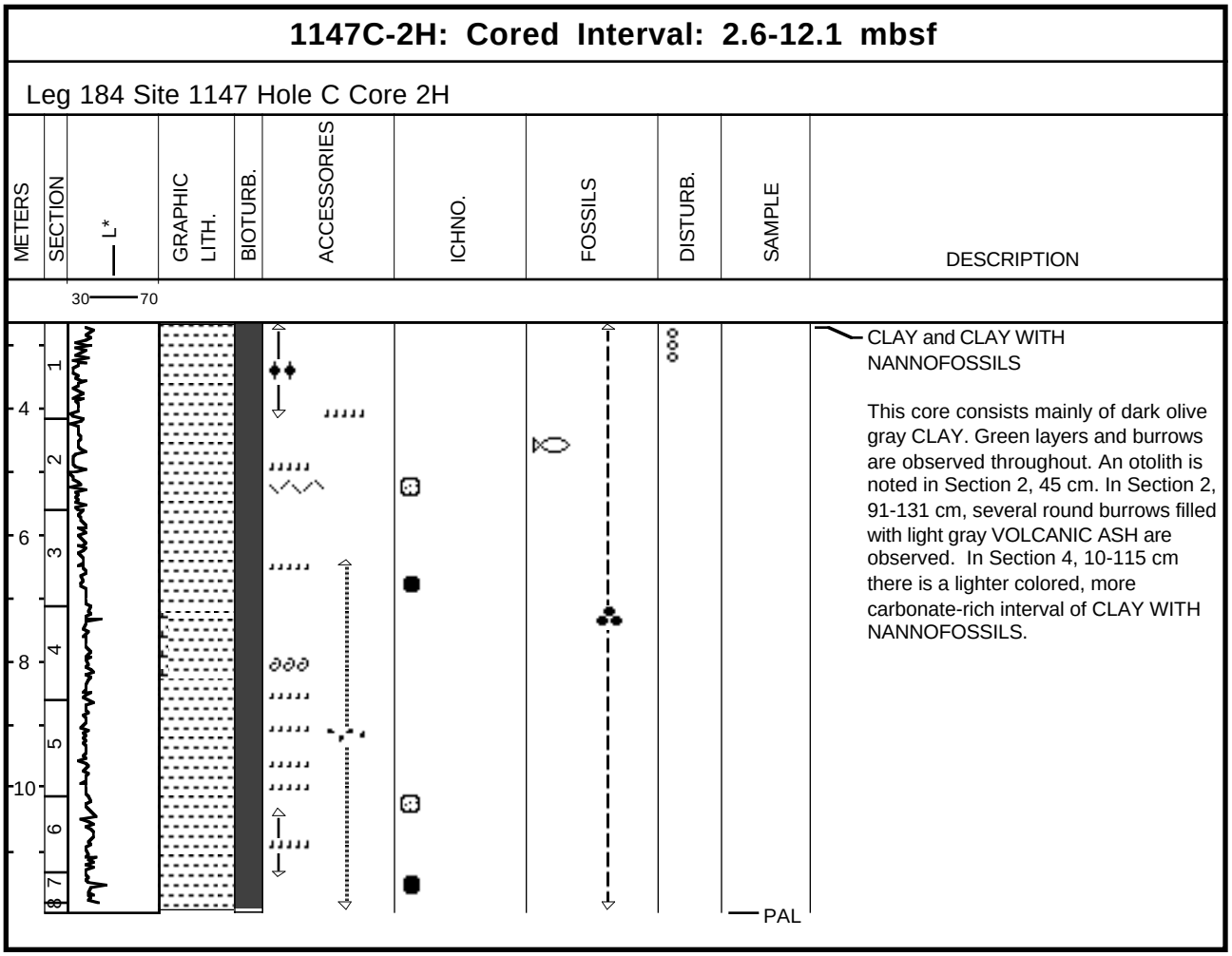
Core Photo


1147B-9H, Cored Interval: 76.0-85.5 mbsf
Leg 184 Site 1147 Hole B Core 9H
METERS
SECTION
L*
30
70
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
78
80
82
84
1
2
3
4
5
6
7
Py
SS
SS
PAL
CLAY and CLAY WITH NANNOFOSSILS
The core consists mainly of dark olive gray CLAY. A lighter colored, more carbonate-rich lithology, CLAY WITH NANNOFOSSILS, is observed in Section 2, 5-85 cm and in Section 4, 2-45 cm. Bioturbation is common. Green clay layers are rare. Foraminifers are abundant in the CLAY WITH NANNOFOSSILS, but moderate elsewhere. Pyritized burrows are noted at regular intervals.

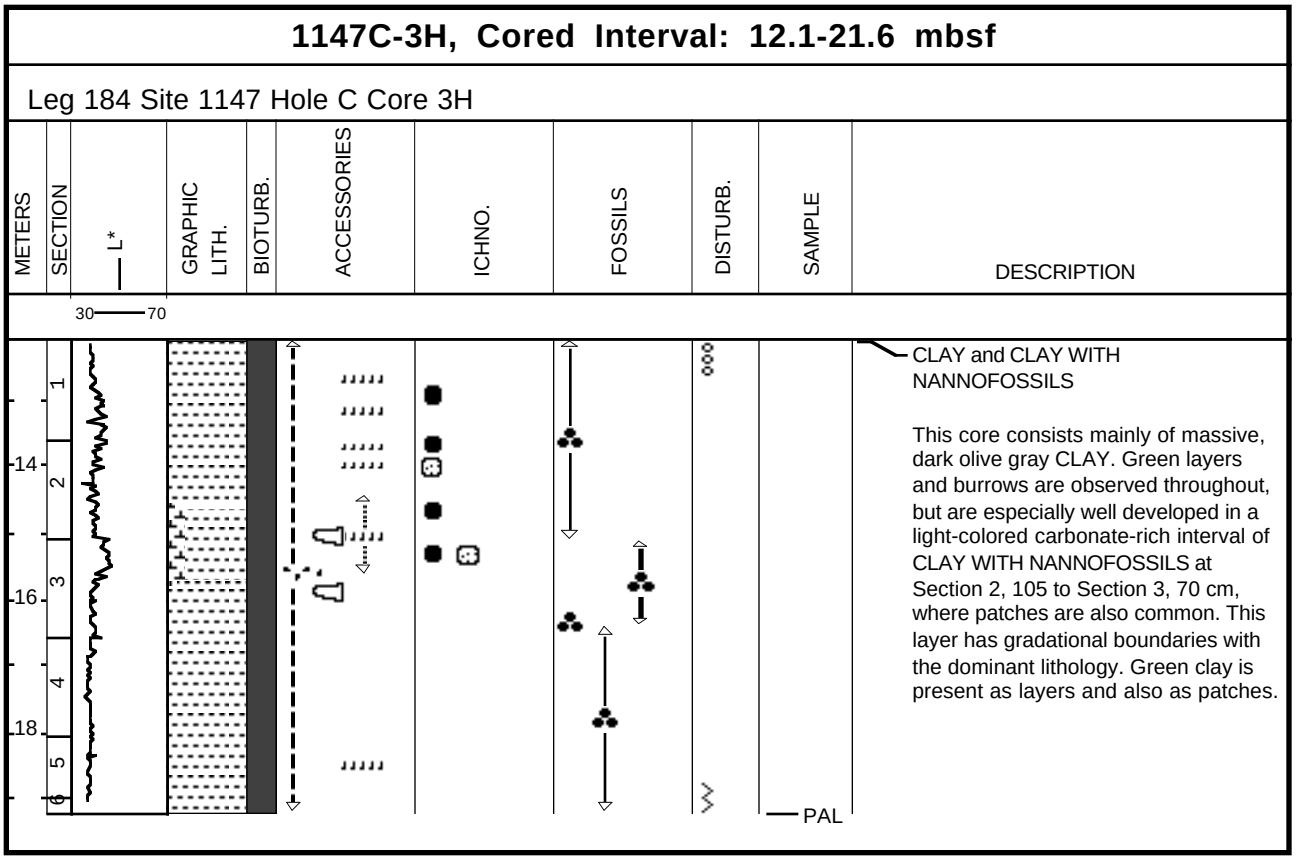
Core Photo


1147C-1H, Cored Interval: 0.0-2.6 mbsf
Leg 184 Site 1147 Hole C Core 1H
METERS
SECTION
L*
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
30
70
1
2
3
-2
PAL
CLAY WITH NANNOFOSSILS and CLAY
This core consists mainly of dark olive gray CLAY. The upper 3 cm consists of brown clay, representing the oxic layer. A dusky brown manganese layer is observed at the base of this interval. Brownish mottles are observed down to 20 cm. The uppermost 80 cm of Section 1 are lighter and composed of CLAY WITH NANNOFOSSILS. Green layers and burrows are observed throughout, along with fecal pellets.

Core Photo


1147C-2H: Cored Interval: 2.6-12.1 mbsf
Leg 184 Site 1147 Hole C Core 2H
METERS
SECTION
L*
30
70
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
4
6
8
10
1
2
3
4
5
6
7
CLAY and CLAY WITH NANNOFOSSILS
This core consists mainly of dark olive gray CLAY. Green layers and burrows are observed throughout. An otolith is noted in Section 2, 45 cm. In Section 2, 91-131 cm, several round burrows filled with light gray VOLCANIC ASH are observed. In Section 4, 10-115 cm there is a lighter colored, more carbonate-rich interval of CLAY WITH NANNOFOSSILS.
PAL

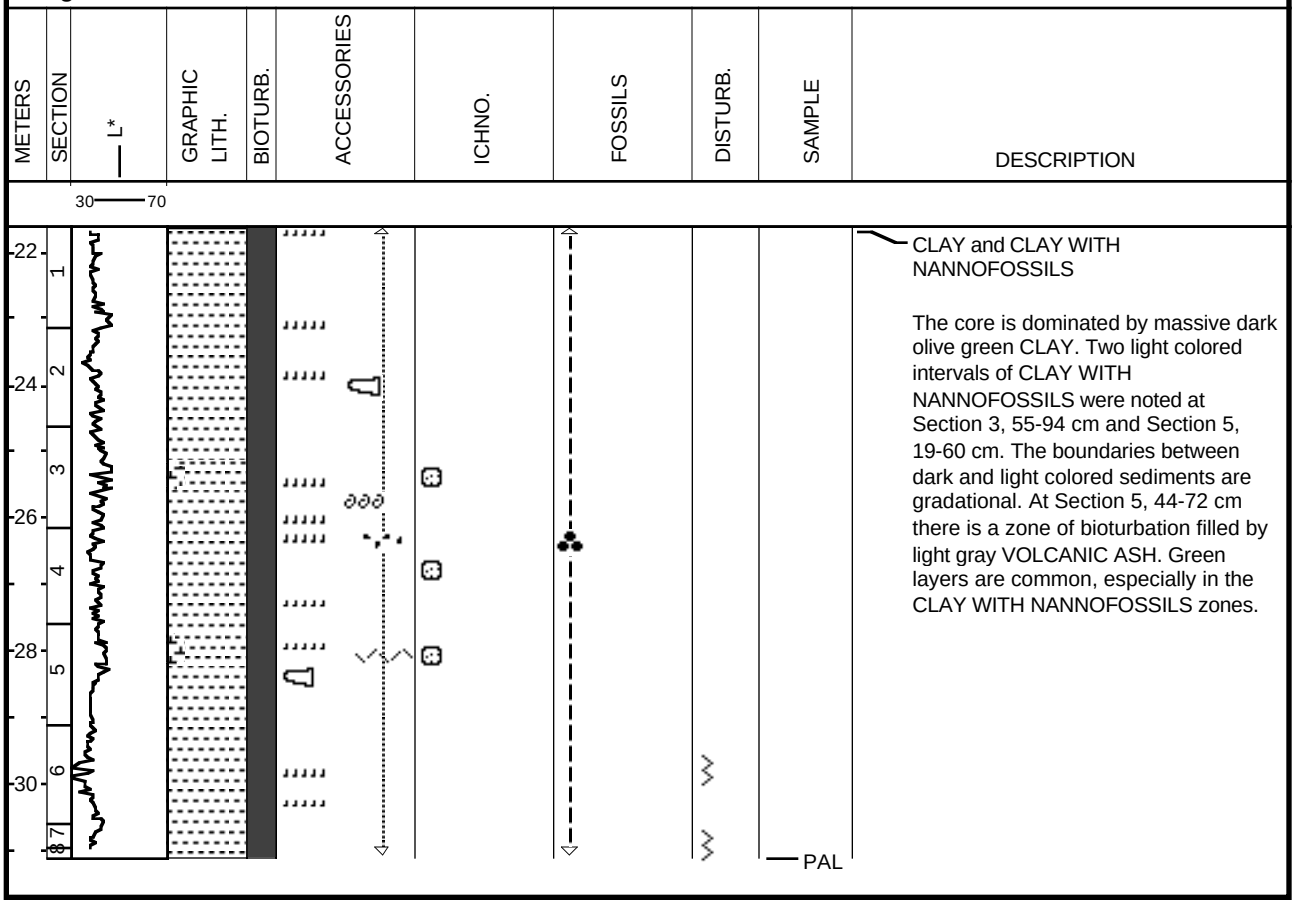
Core Photo


1147C-3H, Cored Interval: 12.1-21.6 mbsf
Leg 184 Site 1147 Hole C Core 3H
METERS
SECTION
L*
30
70
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
14
16
18
1
2
3
4
5
6
PAL
CLAY and CLAY WITH NANNOFOSSILS
This core consists mainly of massive, dark olive gray CLAY. Green layers and burrows are observed throughout, but are especially well developed in a light-colored carbonate-rich interval of CLAY WITH NANNOFOSSILS at Section 2, 105 to Section 3, 70 cm, where patches are also common. This layer has gradational boundaries with the dominant lithology. Green clay is present as layers and also as patches.

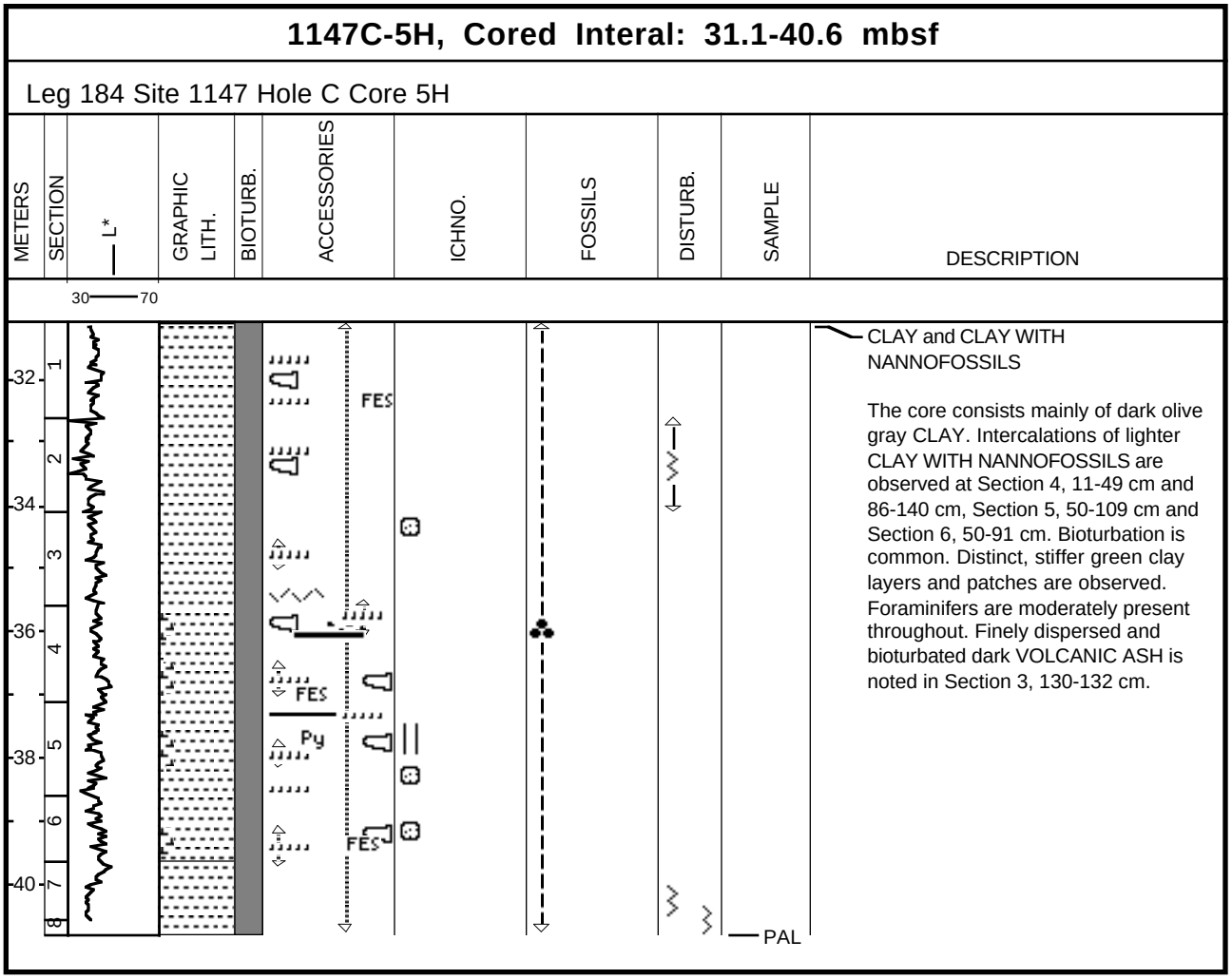
Core Photo

1147C-4H, Cored Interval: 21.6-31.1 mbsf

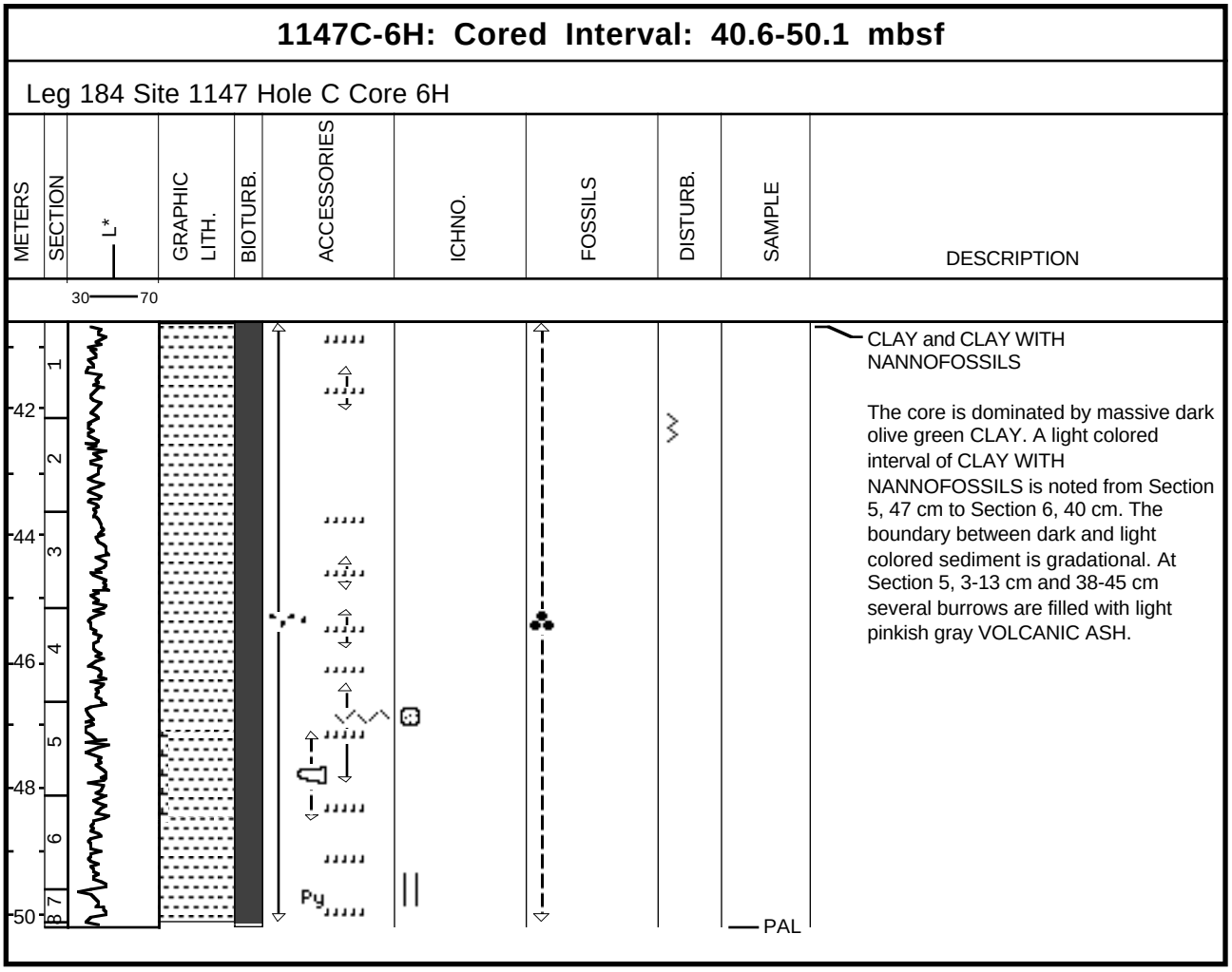
Leg 184 Site 1147 Hole C Core 4H



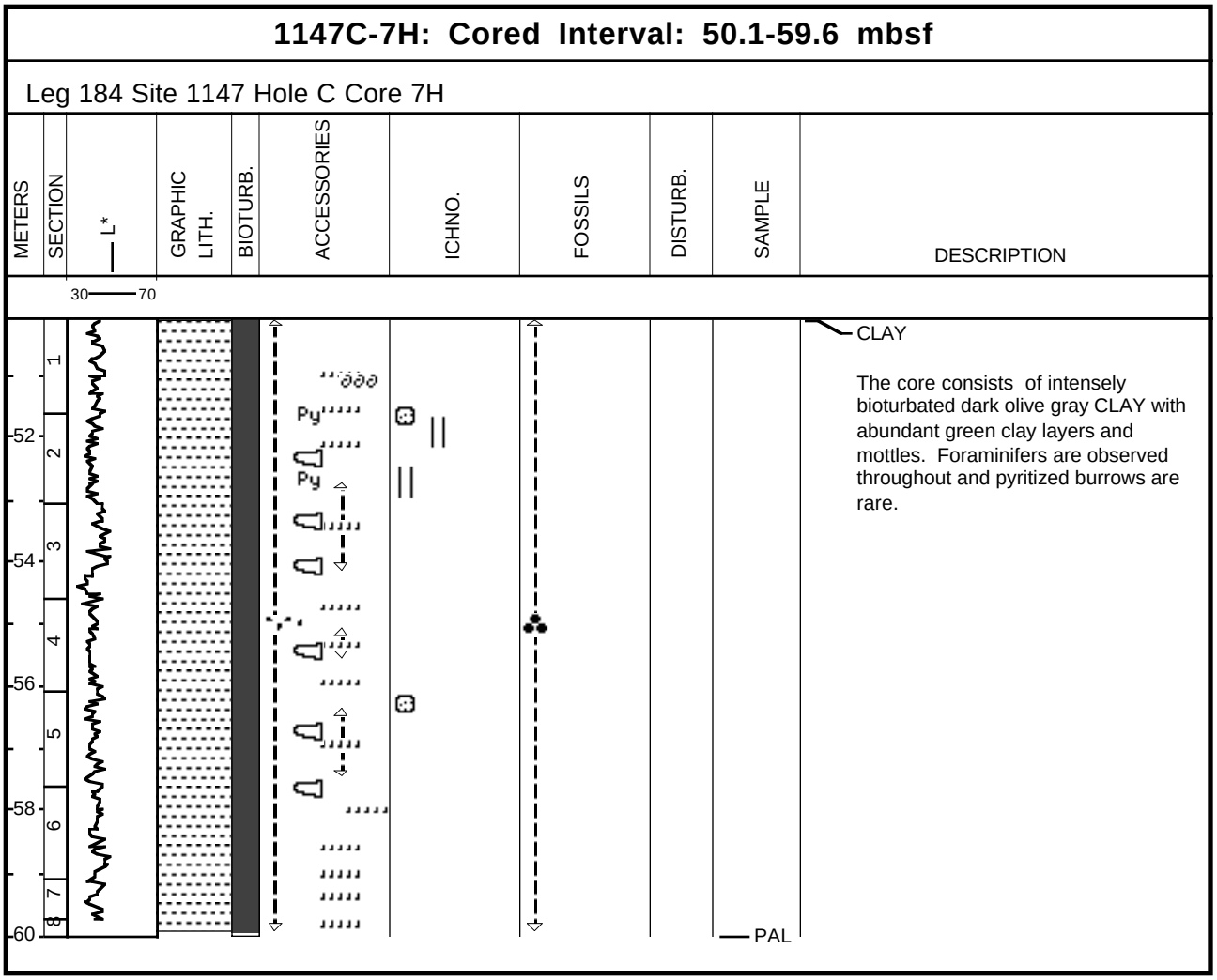
Core Photo


1147C-5H, Cored Interal: 31.1-40.6 mbsf
Leg 184 Site 1147 Hole C Core 5H
METERS
SECTION
L*
30
70
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
32
34
36
38
40
1
2
3
4
5
6
7
FES
FES
Py
FES
PAL
CLAY and CLAY WITH NANNOFOSSILS
The core consists mainly of dark olive gray CLAY. Intercalations of lighter CLAY WITH NANNOFOSSILS are observed at Section 4, 11-49 cm and 86-140 cm, Section 5, 50-109 cm and Section 6, 50-91 cm. Bioturbation is common. Distinct, stiffer green clay layers and patches are observed. Foraminifers are moderately present throughout. Finely dispersed and bioturbated dark VOLCANIC ASH is noted in Section 3, 130-132 cm.

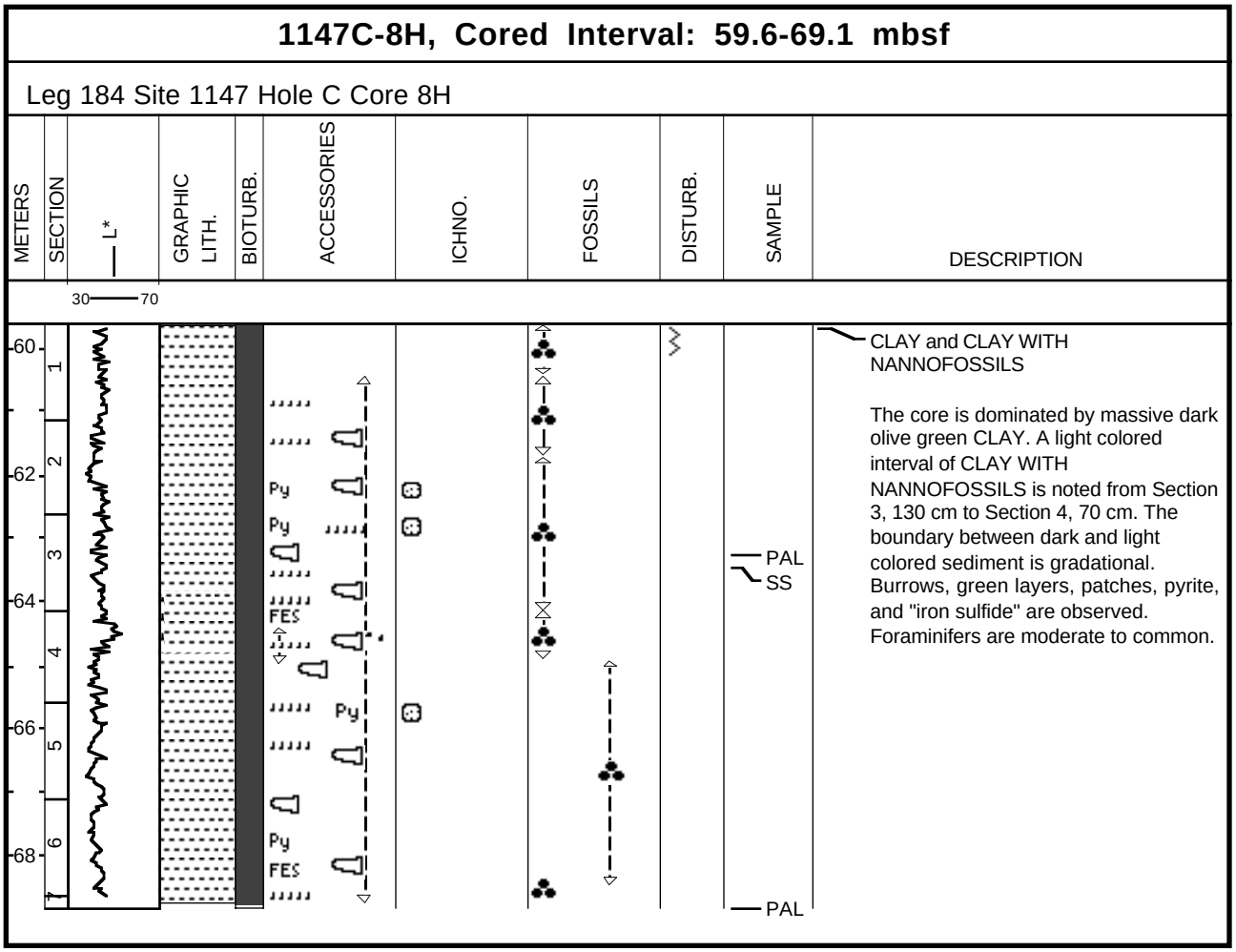
Core Photo


1147C-6H: Cored Interval: 40.6-50.1 mbsf
Leg 184 Site 1147 Hole C Core 6H
METERS
SECTION
L*
30
70
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
42
44
46
48
50
1
2
3
4
5
6
7
Py
PAL
CLAY and CLAY WITH NANNOFOSSILS
The core is dominated by massive dark olive green CLAY. A light colored interval of CLAY WITH NANNOFOSSILS is noted from Section 5, 47 cm to Section 6, 40 cm. The boundary between dark and light colored sediment is gradational. At Section 5, 3-13 cm and 38-45 cm several burrows are filled with light pinkish gray VOLCANIC ASH.

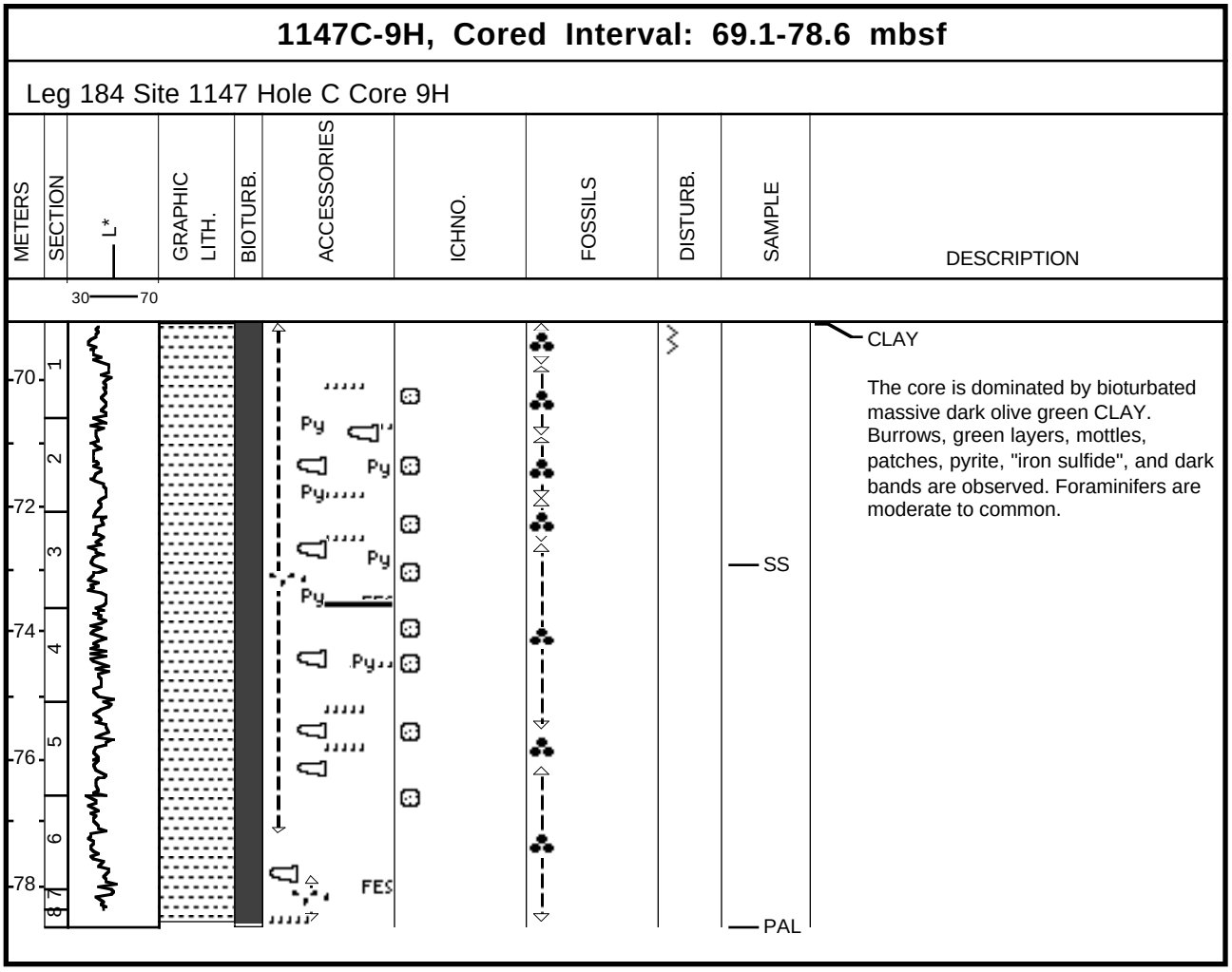
Core Photo


1147C-7H: Cored Interval: 50.1-59.6 mbsf
Leg 184 Site 1147 Hole C Core 7H
METERS
SECTION
L*
30
70
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
52
54
56
58
60
1
2
3
4
5
6
7
Py
Py
PAL
CLAY
The core consists of intensely bioturbated dark olive gray CLAY with abundant green clay layers and mottles. Foraminifers are observed throughout and pyritized burrows are rare.

Core Photo


1147C-8H, Cored Interval: 59.6-69.1 mbsf
Leg 184 Site 1147 Hole C Core 8H
METERS
SECTION
L*
30
70
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
60
62
64
66
68
1
2
3
4
5
6
Py
Py
FES
Py
Py
FES
PAL
SS
PAL
CLAY and CLAY WITH NANNOFOSSILS
The core is dominated by massive dark olive green CLAY. A light colored interval of CLAY WITH NANNOFOSSILS is noted from Section 3, 130 cm to Section 4, 70 cm. The boundary between dark and light colored sediment is gradational. Burrows, green layers, patches, pyrite, and "iron sulfide" are observed. Foraminifers are moderate to common.

Core Photo


1147C-9H, Cored Interval: 69.1-78.6 mbsf
Leg 184 Site 1147 Hole C Core 9H
METERS
SECTION
L*
30
70
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
70
72
74
76
78
1
2
3
4
5
6
7
Py
FES
SS
PAL
CLAY
The core is dominated by bioturbated massive dark olive green CLAY. Burrows, green layers, mottles, patches, pyrite, "iron sulfide", and dark bands are observed. Foraminifers are moderate to common.

Sample						Texture			Mineral											Biogenic										Other		
Core	Type	Section	Interval Top (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Accessory Minerals (1)	Calcite (30)	Clay (47)	Dolomite (62)	Fe Oxide (68)	Feldspar (71)	Mica (118)	Opaques (140)	Pyroxene (171)	Quartz (172)	Volcanic Glass (81)	Algae (5)	Diatoms (58)	Discoaster (61)	Foraminifers (78)	Nannofossils (132)	Plant Debris (161)	Radiolarians (173)	Siliceous Sponge Spicules (185)	Silicoflagellates (189)	Sponge Spicules (199)	Other (145)	Unknown (217)	Comments
184-1147A-																																
1	H	1	1	0.01	D		46	54	1	2	54		15		2			11			3					2	10					Clay with Quartz Spicules and Fe-Oxide
1	H	1	30	0.30	D		34	66		3	55		2		3			5			5		1	10		6	10					Clay with Spicules and Nannofossils
1	H	4	40	4.90	M		40	60						15		1	7		77													Volcanic Ash
2	H	2	30	7.20	D		35	65	1	2	55		1		5	2		6		1	2		2	10		3	10					Clay with Nannos and Spicules
3	H	1	25	15.15	M	10	10	80			60					2		2			2			30		2	2					Nannofossil clay
3	H	2	110	17.50	M	30	50	20	2									3	95													Ash
3	H	3	80	18.70	D	10	10	80	2		70		1			2					10						15					Clay with spicules
4	H	2	126	27.16	M	80	20	0								1			99													ASH
4	H	3	80	28.20	D	10	10	80			76							10			2		2				10					CLAY
4	H	4	105	29.95	M	15	5	80			40		2								2		5	45		1	5					CLAYEY NANNOFOSSIL OOZE
4	H	4	120	30.10	M	5	10	85								20		3	75								2					ALTERED ASH
5	H	2	83	36.23	M	10	25	65	1	2	50		2					5					10	30								NANNOFOSSIL CLAY
5	H	3	60	37.50	D	0	15	85	5	5	55		3			2		15						15								CLAY WITH NANNOFOSSILS AND QUARTZ
5	H	3	82	37.72	M	5	15	80			50								20				5	20			5					CLAY WITH NANNOFOSSILS AND GLASS
6	H	2	22	45.12	M	0	20	80			70					20								10								CLAY WITH OPAQUES
6	H	2	81	45.71	M	30	40	30	3		20					2		10	65													CLAYEY ASH
6	H	3	80	47.20	D	5	10	85		3	55		2					5	10					20			5					CLAY WITH NANNOFOSSILS
6	H	6	83	51.73	D	0	20	80		10	60		1			2		15					2	10								CLAY WITH QUARTZ
7	H	3	80	56.70	D	5	10	85			65		3			2		5	10					15								CLAY WITH NANNOFOSSILS
8	H	3	80	66.20	D	0	20	80			60							15	15					10								CLAY WITH NANNOFOSSILS
9	H	3	80	75.70	D	0	25	75	5		60							20	15													QUARTZ CLAY WITH ASH.
184-1147B-																																
1	H	1	30	0.30	D	20	30	50			60							5			2		5	15		3	10					CLAY WITH NANNOFOSSILS
1	H	3	80	3.80	D	5	15	80			65							5			5		5	10		5		5				CLAY
2	H	3	80	13.30	D	10	25	65		3	60		1			1		15			3		10			2	5					CLAY WITH QUARTZ
5	H	1	66	38.66	M		36	64	2	1	72		2	3	3	2		5	10													CLAY WITH VOLCANIC GLASS
5	H	6	36	45.86	D		25	75		5	55		2			2		5		1	1		1	20			8					CLAY WITH NANNOFOSSILS
6	H	1	70	48.20	D		20	80		3	58		1		3	2		6		1	1		1	20		1	3					CLAY WITH NANNOFOSSILS
7	H	1	82	57.82	M		33	67		3	64		1	7		3		8	10				1	3								CLAY WITH VOLCANIC ASH
7	H	1	86	57.86	D		30	70		4	60		2	3		2		10		1	1		1	10	1		5					CLAY WITH QUARTZ AND NANNOFOSSILS
8	H	2	38	67.03	D		24	76		2	73		1		3	3		10					1	3			4					CLAY WITH QUARTZ
8	H	4	38	70.03	D		21	79		4	54		1		3	1		5		1	1		2	25			3					CLAY WITH NANNOFOSSILS
9	H	1	50	76.50	D		31	69	1	5	54		1		2	2		10		2			1	15			7					CLAY WITH NANNOFOSSILS AND QUARTZ
9	H	5	36	82.11	D		33	67		7	57	1	2		3	3		10						10			7					CLAY WITH NANNOFOSSILS AND QUARTZ