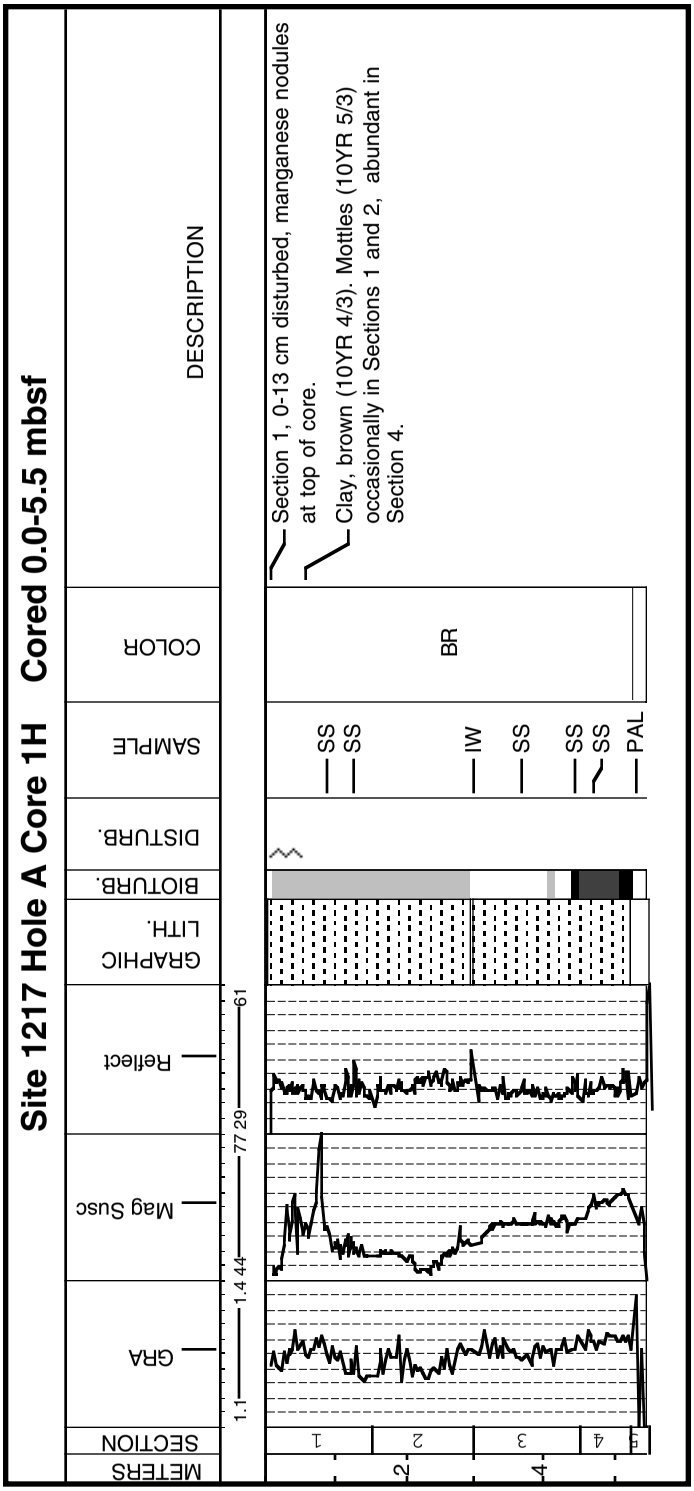
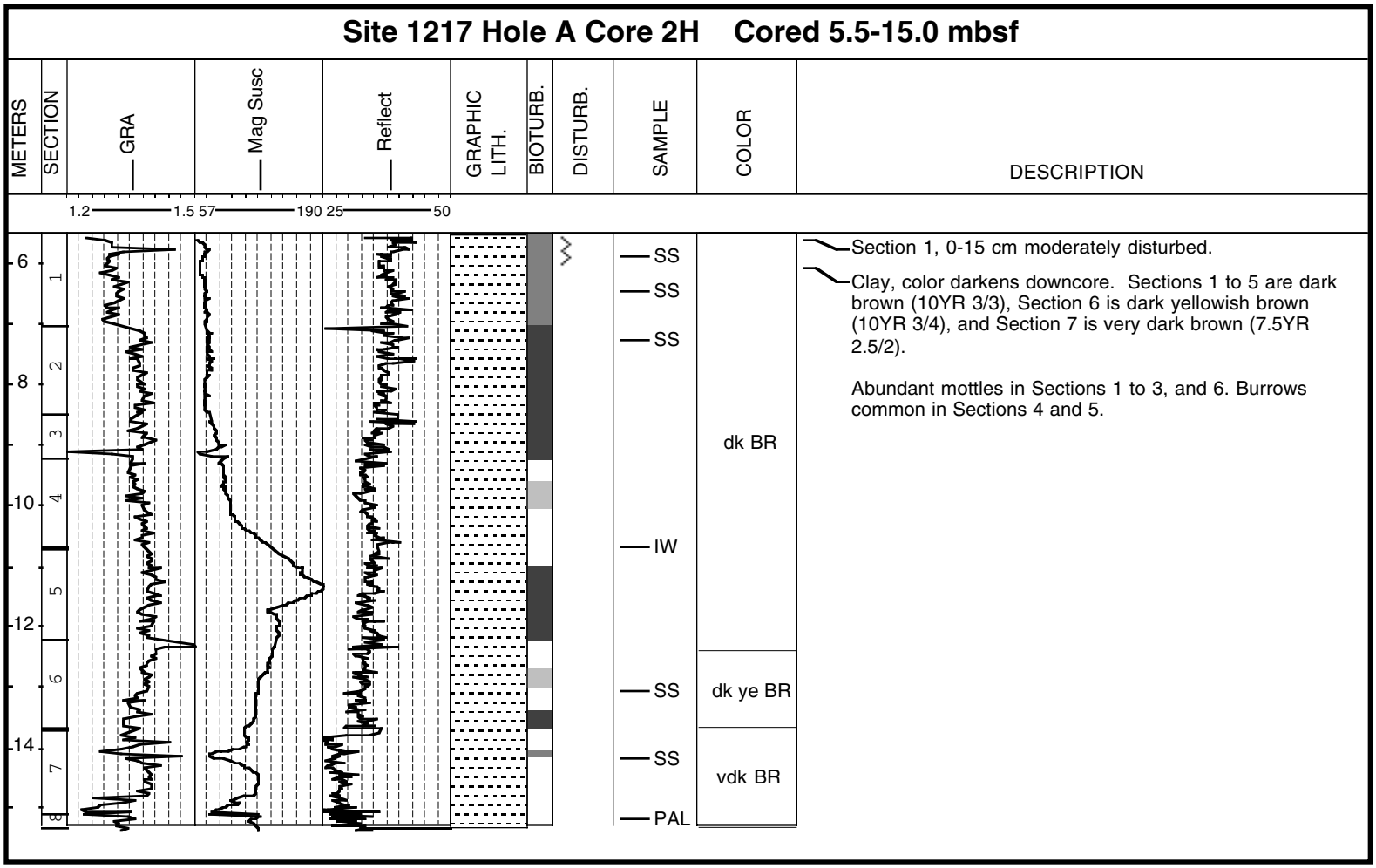
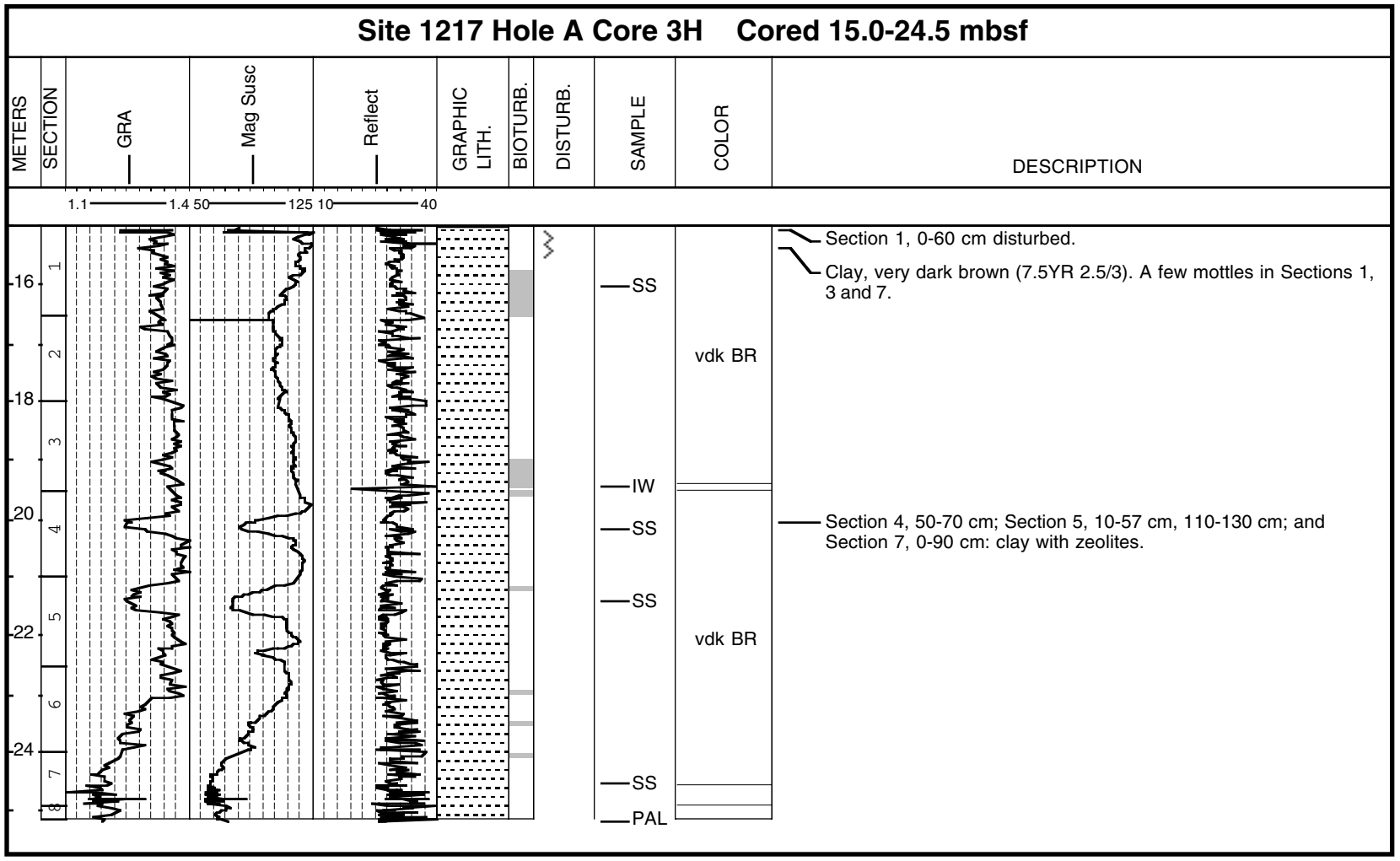
Core Photo


Site 1217 Hole A Core 1H Cored 0.0-5.5 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.1
1.4 44
77 29
61
1
2
3
4
5
SS
SS
IW
SS
SS
SS
PAL
BR
Section 1, 0-13 cm disturbed, manganese nodules at top of core.
Clay, brown (10YR 4/3). Mottles (10YR 5/3) occasionally in Sections 1 and 2, abundant in Section 4.

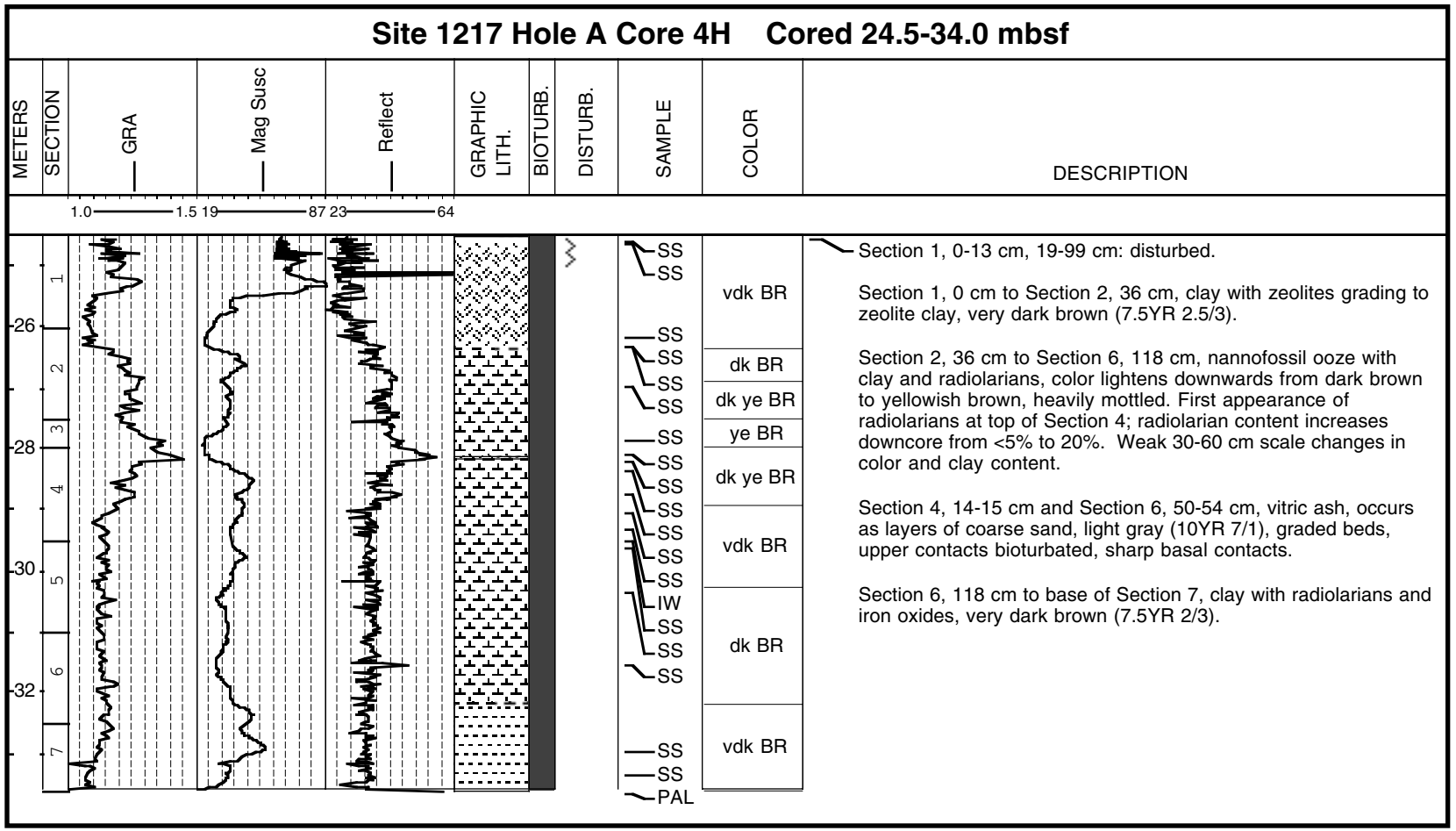
Core Photo


Site 1217 Hole A Core 2H Cored 5.5-15.0 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.2
1.5
57
190
25
50
6
8
10
12
14
1
2
3
4
5
6
7
8
SS
SS
SS
IW
SS
SS
PAL
dk BR
dk ye BR
vdk BR
Section 1, 0-15 cm moderately disturbed.
Clay, color darkens downcore. Sections 1 to 5 are dark brown (10YR 3/3), Section 6 is dark yellowish brown (10YR 3/4), and Section 7 is very dark brown (7.5YR 2.5/2).
Abundant mottles in Sections 1 to 3, and 6. Burrows common in Sections 4 and 5.

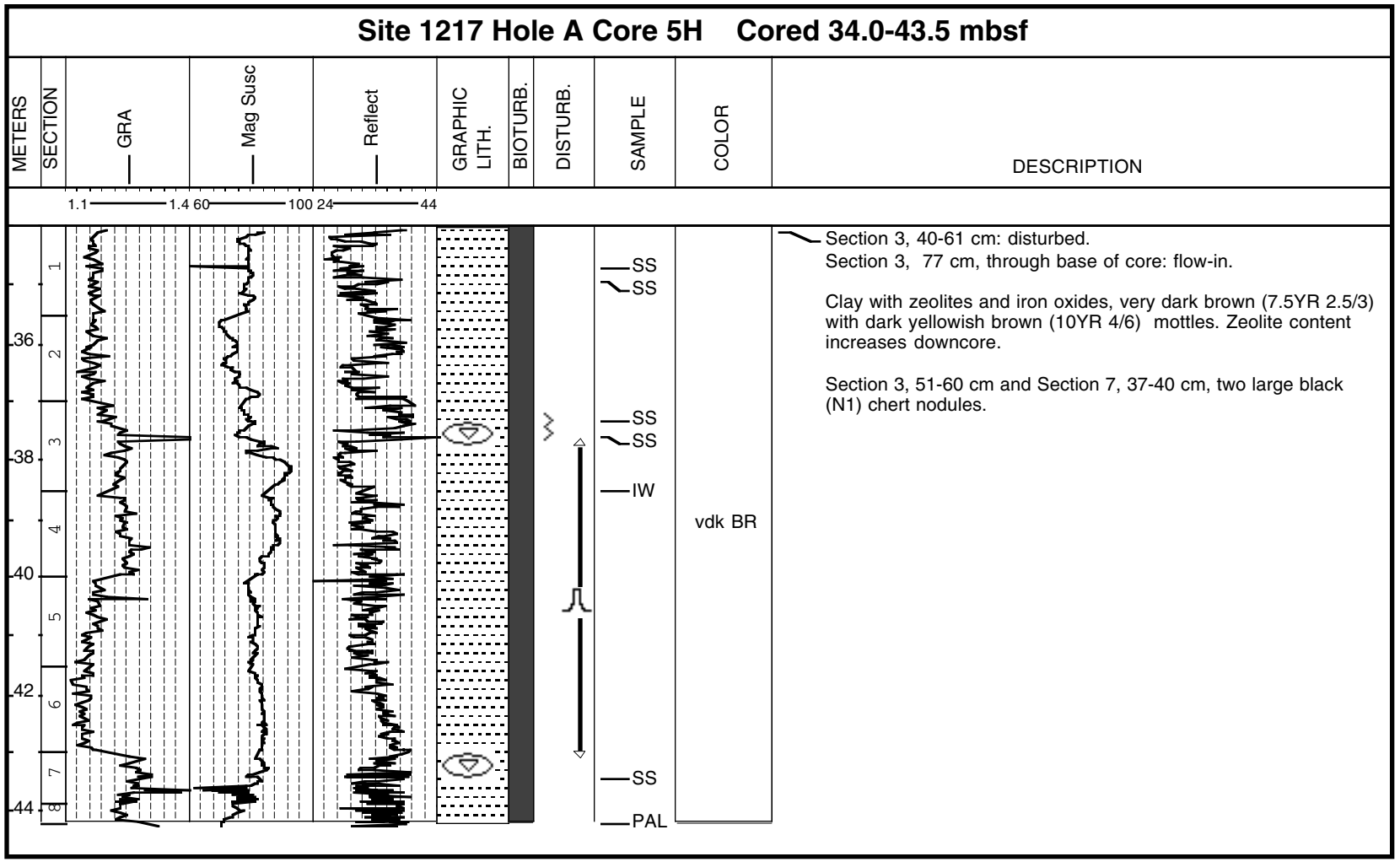
Core Photo


Site 1217 Hole A Core 3H Cored 15.0-24.5 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.1
1.4
50
125
10
40
16
18
20
22
24
1
2
3
4
5
6
7
SS
IW
SS
SS
SS
PAL
vdk BR
vdk BR
Section 1, 0-60 cm disturbed.
Clay, very dark brown (7.5YR 2.5/3). A few mottles in Sections 1, 3 and 7.
Section 4, 50-70 cm; Section 5, 10-57 cm, 110-130 cm; and Section 7, 0-90 cm: clay with zeolites.

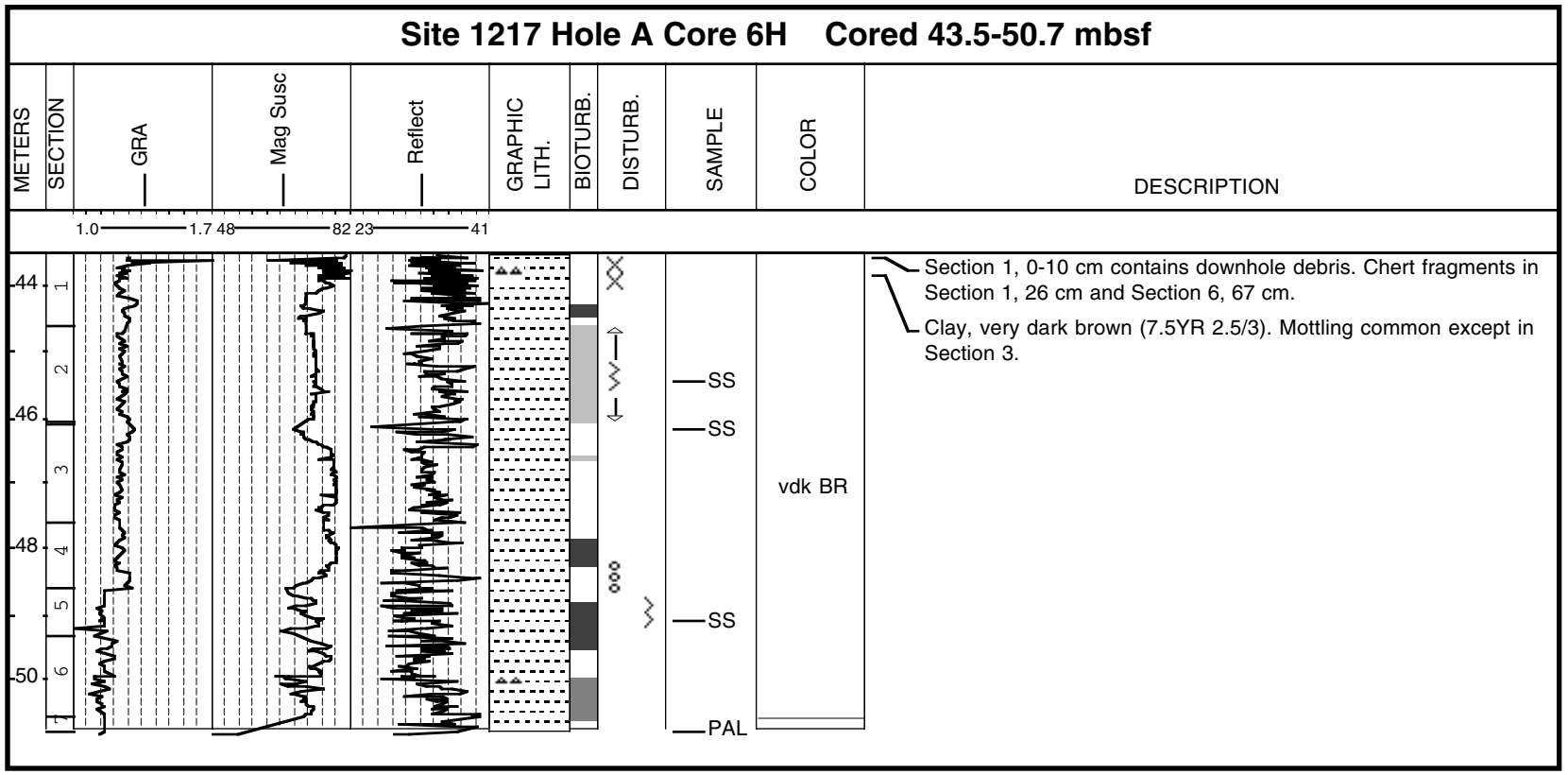
Core Photo


Site 1217 Hole A Core 4H Cored 24.5-34.0 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.5
19
87
23
64
26
28
30
32
1
2
3
4
5
6
7
SS
IW
PAL
vdk BR
dk BR
dk ye BR
ye BR
Section 1, 0-13 cm, 19-99 cm: disturbed.
Section 1, 0 cm to Section 2, 36 cm, clay with zeolites grading to zeolite clay, very dark brown (7.5YR 2.5/3).
Section 2, 36 cm to Section 6, 118 cm, nannofossil ooze with clay and radiolarians, color lightens downwards from dark brown to yellowish brown, heavily mottled. First appearance of radiolarians at top of Section 4; radiolarian content increases downcore from <5% to 20%. Weak 30-60 cm scale changes in color and clay content.
Section 4, 14-15 cm and Section 6, 50-54 cm, vitric ash, occurs as layers of coarse sand, light gray (10YR 7/1), graded beds, upper contacts bioturbated, sharp basal contacts.
Section 6, 118 cm to base of Section 7, clay with radiolarians and iron oxides, very dark brown (7.5YR 2/3).

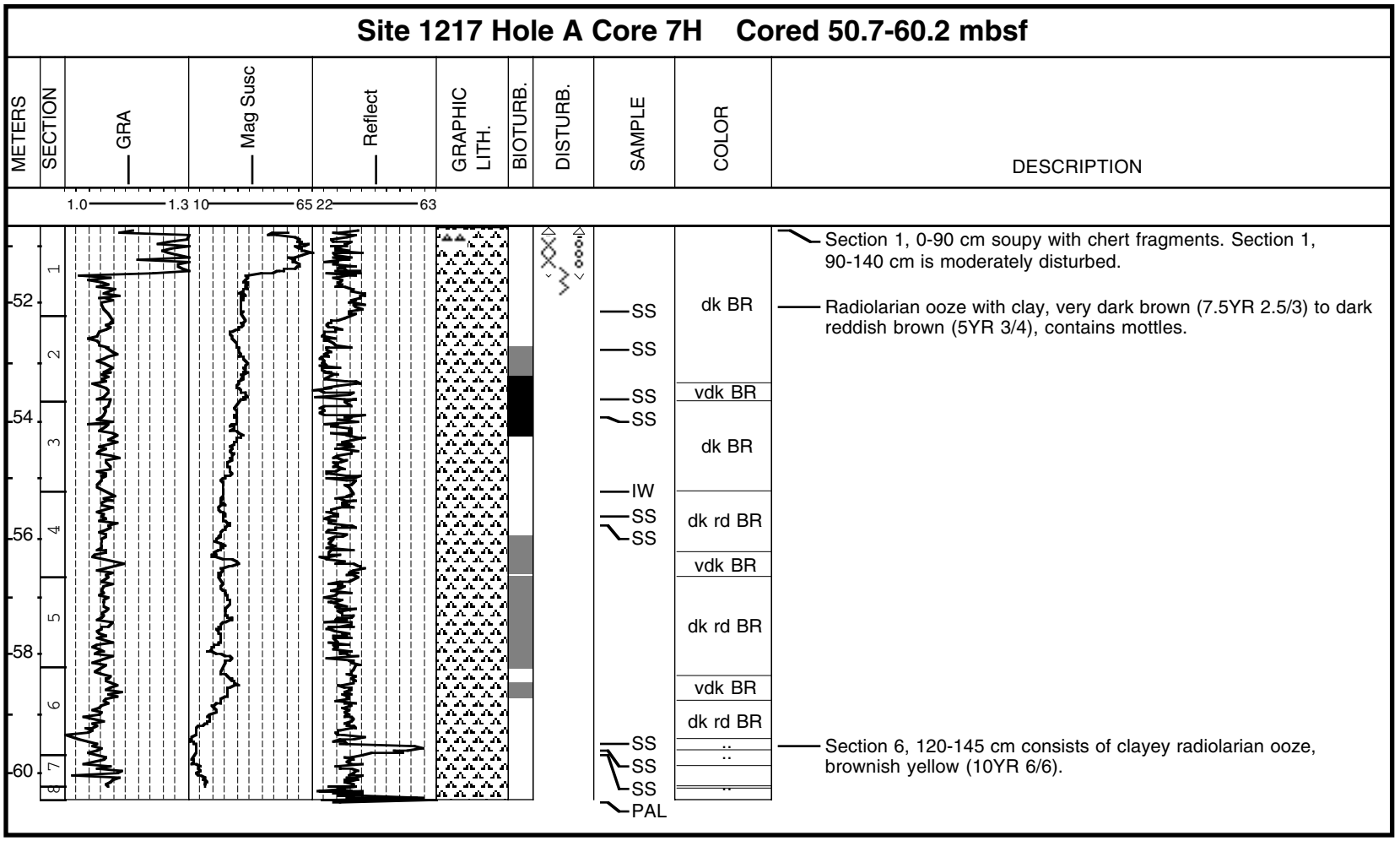
Core Photo


Site 1217 Hole A Core 5H Cored 34.0-43.5 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.1
1.4
60
100
24
44
36
38
40
42
44
1
2
3
4
5
6
7
SS
SS
SS
SS
IW
SS
PAL
vdk BR
Section 3, 40-61 cm: disturbed.
Section 3, 77 cm, through base of core: flow-in.
Clay with zeolites and iron oxides, very dark brown (7.5YR 2.5/3) with dark yellowish brown (10YR 4/6) mottles. Zeolite content increases downcore.
Section 3, 51-60 cm and Section 7, 37-40 cm, two large black (N1) chert nodules.

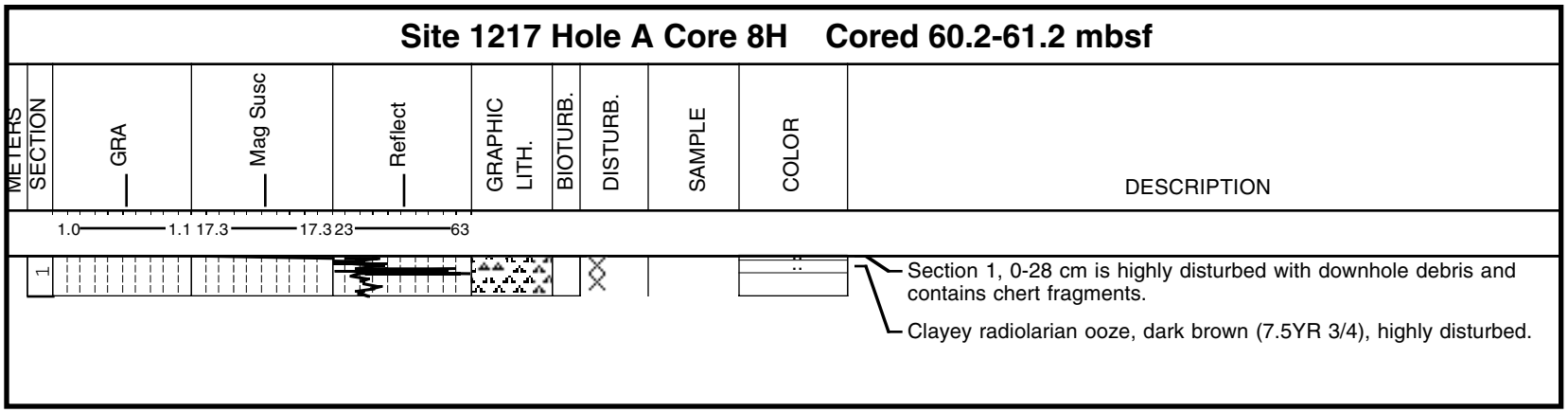
Core Photo


Site 1217 Hole A Core 6H Cored 43.5-50.7 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.7
48
82
23
41
44
46
48
50
1
2
3
4
5
6
7
SS
SS
SS
PAL
vdk BR
Section 1, 0-10 cm contains downhole debris. Chert fragments in Section 1, 26 cm and Section 6, 67 cm.
Clay, very dark brown (7.5YR 2.5/3). Mottling common except in Section 3.

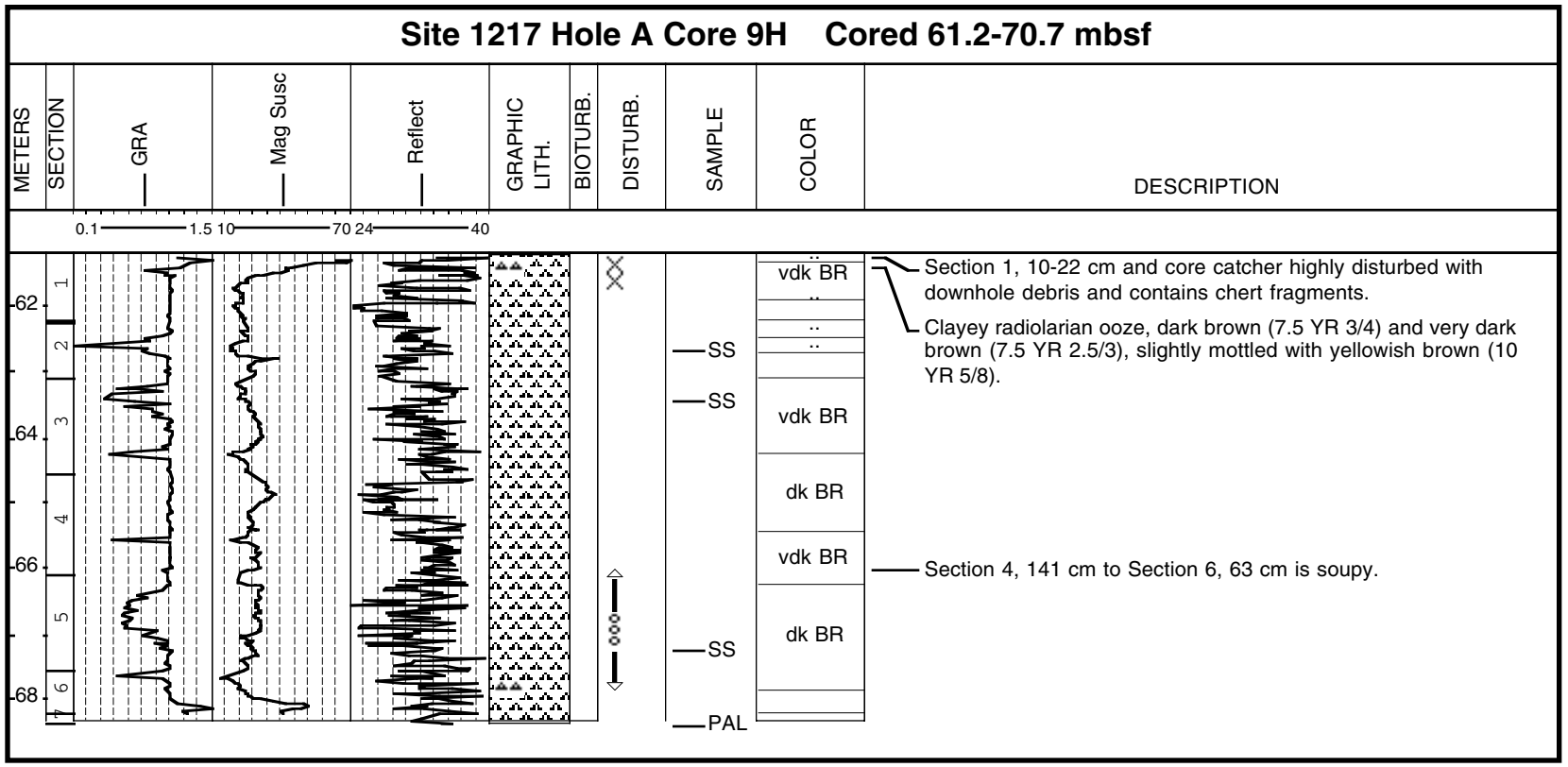
Core Photo


Site 1217 Hole A Core 7H Cored 50.7-60.2 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.3
10
65
22
63
52
54
56
58
60
1
2
3
4
5
6
7
CC
SS
SS
SS
SS
IW
SS
SS
SS
SS
SS
PAL
dk BR
vdk BR
dk BR
dk rd BR
vdk BR
dk rd BR
vdk BR
dk rd BR
Section 1, 0-90 cm soupy with chert fragments. Section 1, 90-140 cm is moderately disturbed.
Radiolarian ooze with clay, very dark brown (7.5YR 2.5/3) to dark reddish brown (5YR 3/4), contains mottles.
Section 6, 120-145 cm consists of clayey radiolarian ooze, brownish yellow (10YR 6/6).

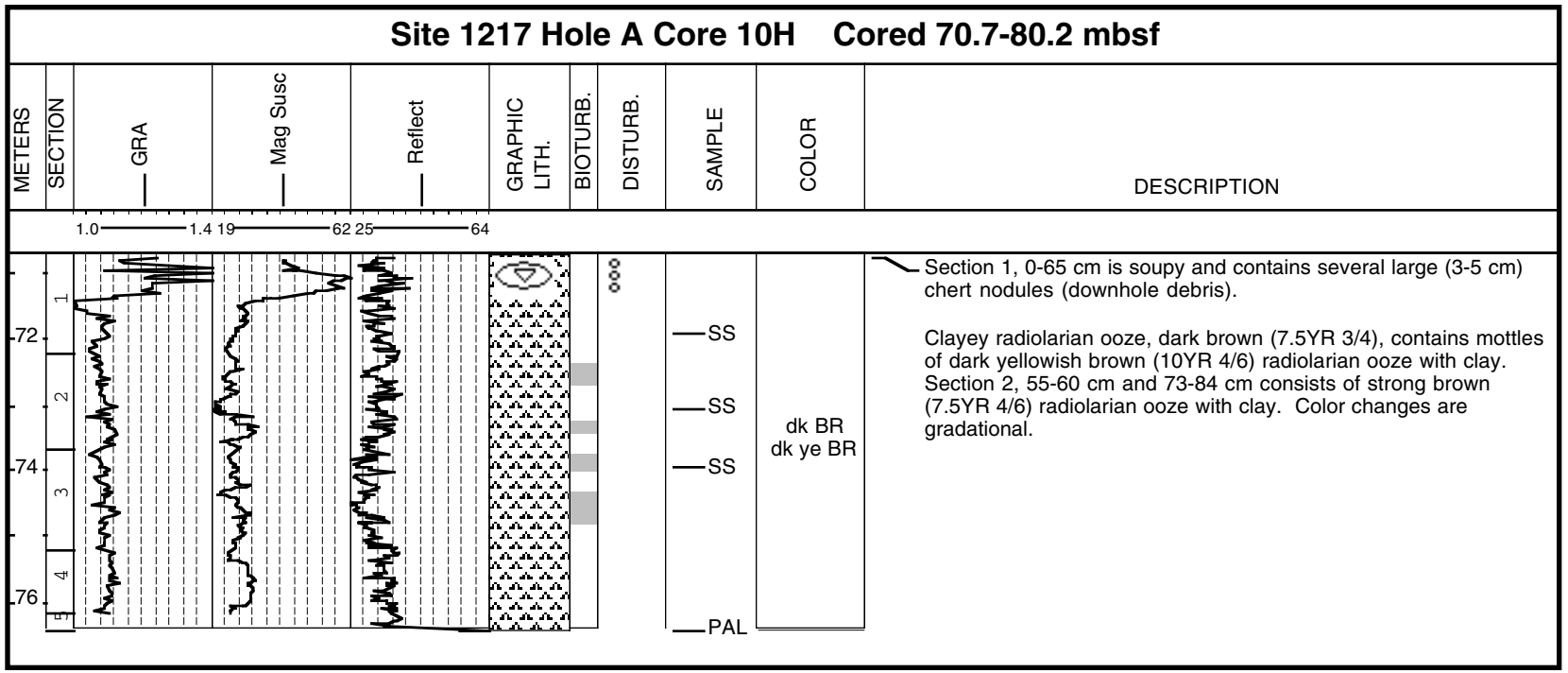
Core Photo


Site 1217 Hole A Core 8H Cored 60.2-61.2 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.1
17.3
17.3
23
63
1
Section 1, 0-28 cm is highly disturbed with downhole debris and contains chert fragments.
Clayey radiolarian ooze, dark brown (7.5YR 3/4), highly disturbed.

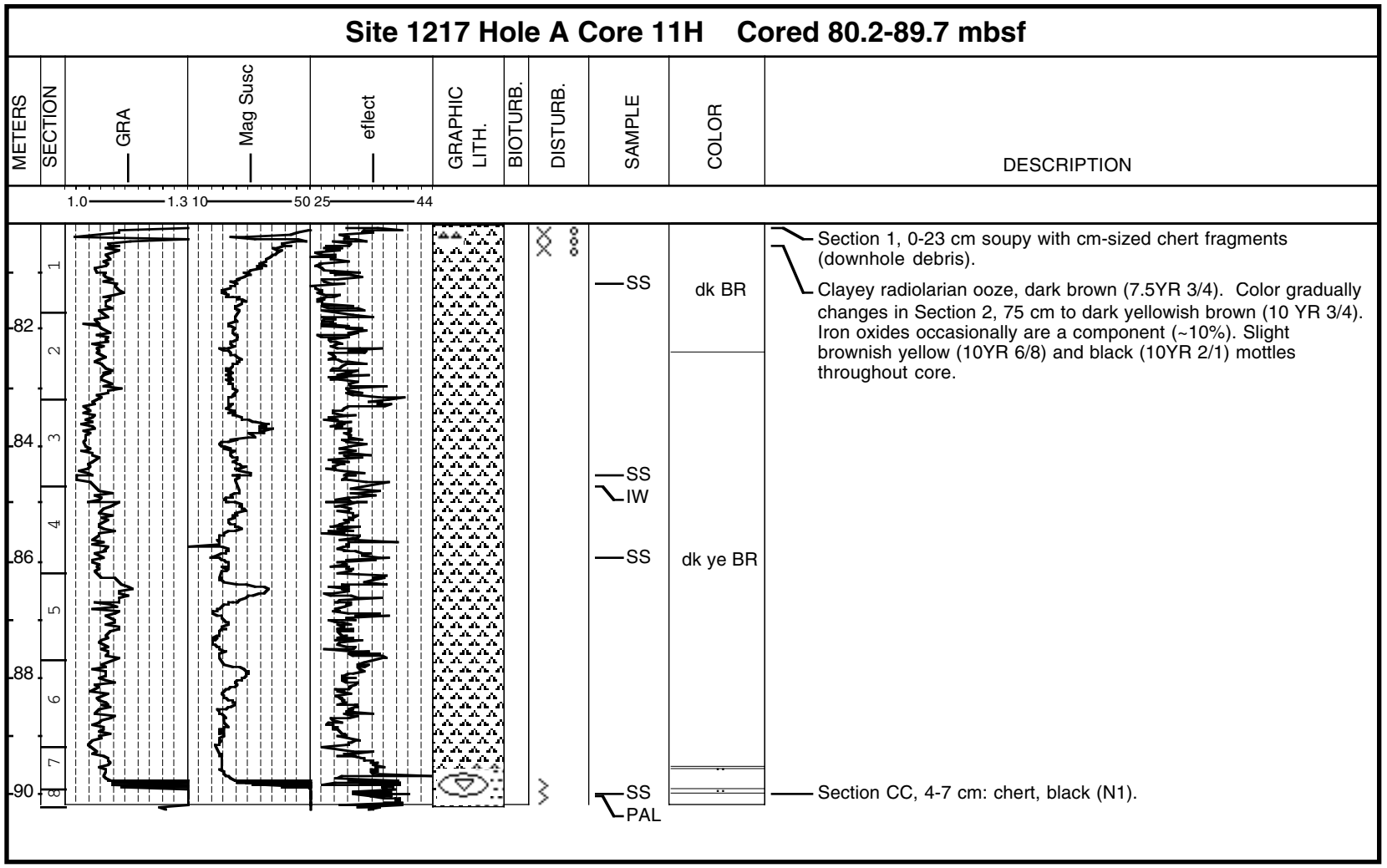
Core Photo


Site 1217 Hole A Core 9H Cored 61.2-70.7 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
0.1
1.5
10
70
24
40
62
64
66
68
1
2
3
4
5
6
SS
SS
SS
PAL
vdk BR
vdk BR
dk BR
vdk BR
dk BR
Section 1, 10-22 cm and core catcher highly disturbed with downhole debris and contains chert fragments.
Clayey radiolarian ooze, dark brown (7.5 YR 3/4) and very dark brown (7.5 YR 2.5/3), slightly mottled with yellowish brown (10 YR 5/8).
Section 4, 141 cm to Section 6, 63 cm is soupy.

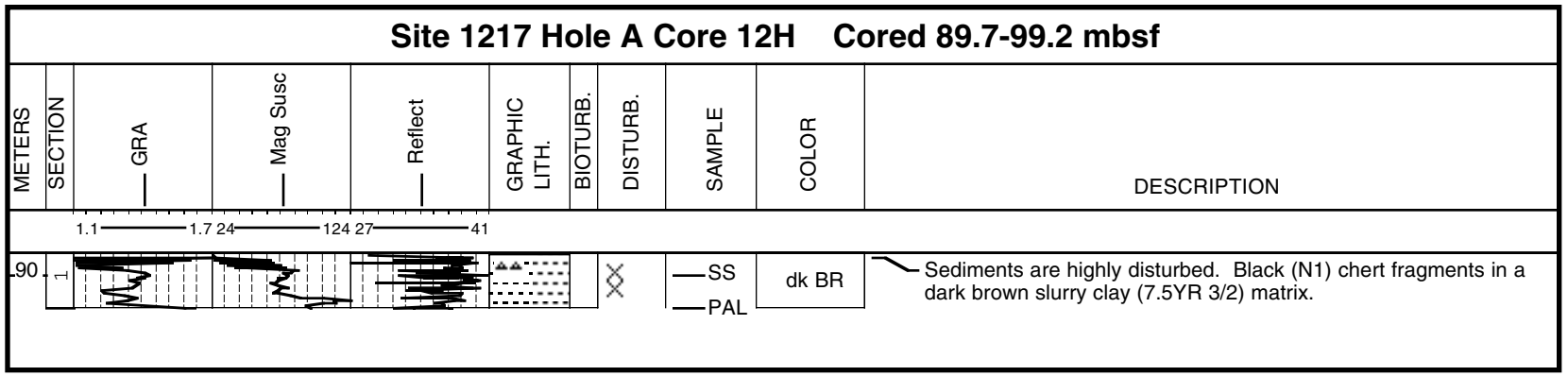
Core Photo


Site 1217 Hole A Core 10H Cored 70.7-80.2 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.4
19
62
25
64
72
74
76
1
2
3
4
5
SS
SS
SS
PAL
dk BR
dk ye BR
Section 1, 0-65 cm is soupy and contains several large (3-5 cm) chert nodules (downhole debris).
Clayey radiolarian ooze, dark brown (7.5YR 3/4), contains mottles of dark yellowish brown (10YR 4/6) radiolarian ooze with clay. Section 2, 55-60 cm and 73-84 cm consists of strong brown (7.5YR 4/6) radiolarian ooze with clay. Color changes are gradational.

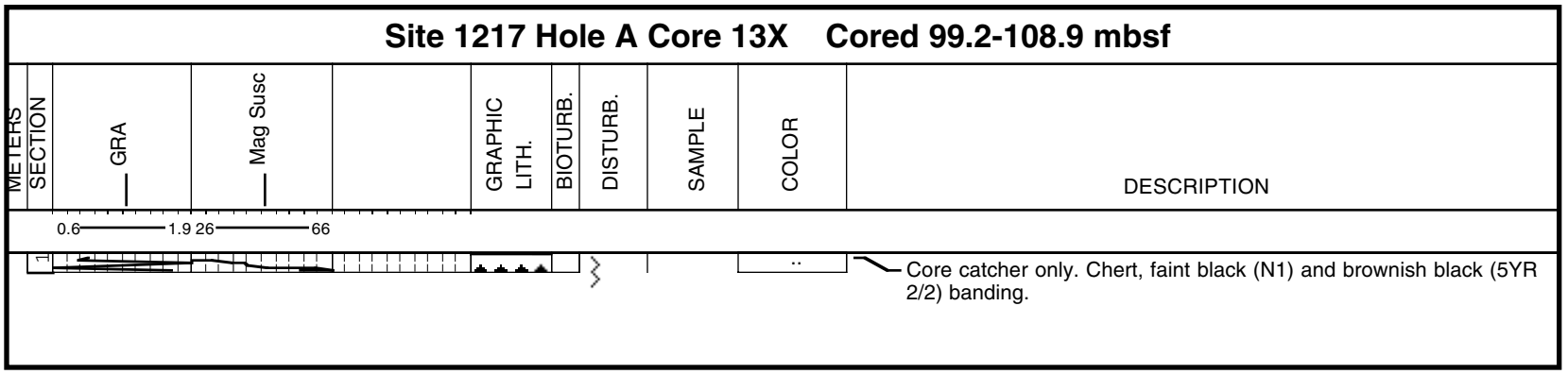
Core Photo


Site 1217 Hole A Core 11H Cored 80.2-89.7 mbsf
METERS
SECTION
GRA
Mag Susc
eflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.3
10
50
25
44
82
84
86
88
90
1
2
3
4
5
6
7
CC
SS
SS
IW
SS
SS
PAL
dk BR
dk ye BR
Section 1, 0-23 cm soupy with cm-sized chert fragments (downhole debris).
Clayey radiolarian ooze, dark brown (7.5YR 3/4). Color gradually changes in Section 2, 75 cm to dark yellowish brown (10 YR 3/4). Iron oxides occasionally are a component (~10%). Slight brownish yellow (10YR 6/8) and black (10YR 2/1) mottles throughout core.
Section CC, 4-7 cm: chert, black (N1).

Core Photo

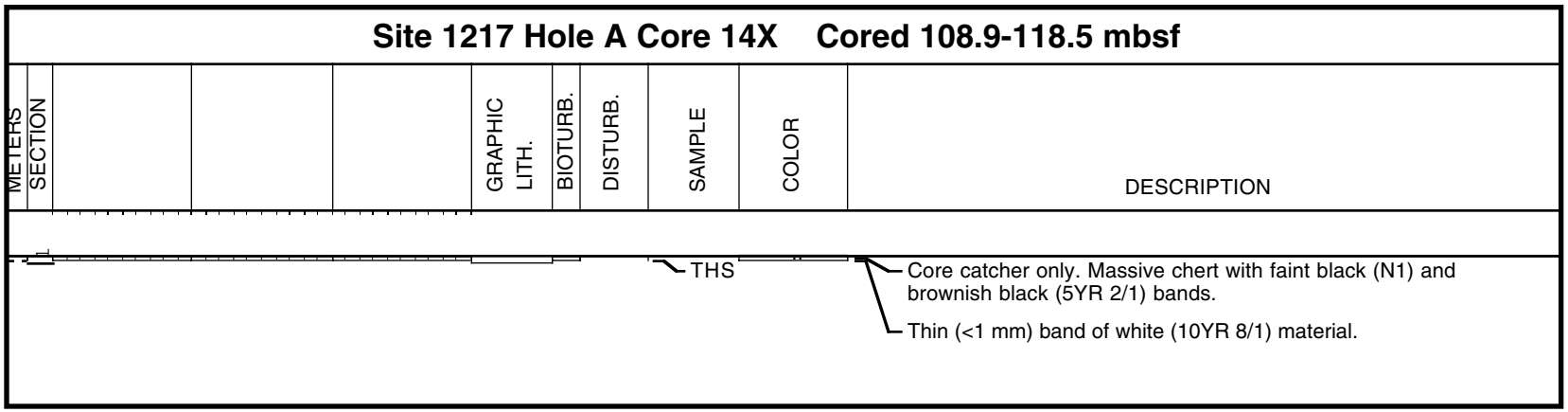

Site 1217 Hole A Core 12H Cored 89.7-99.2 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.1
1.7 24
124 27
41
90
1
SS
PAL
dk BR
Sediments are highly disturbed. Black (N1) chert fragments in a dark brown slurry clay (7.5YR 3/2) matrix.

Core Photo


Site 1217 Hole A Core 13X Cored 99.2-108.9 mbsf
METERS
SECTION
GRA
Mag Susc
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
0.6
1.9 26
66
1
Core catcher only. Chert, faint black (N1) and brownish black (5YR 2/2) banding.

Core Photo

Site 1217 Hole A Core 14X Cored 108.9-118.5 mbsf

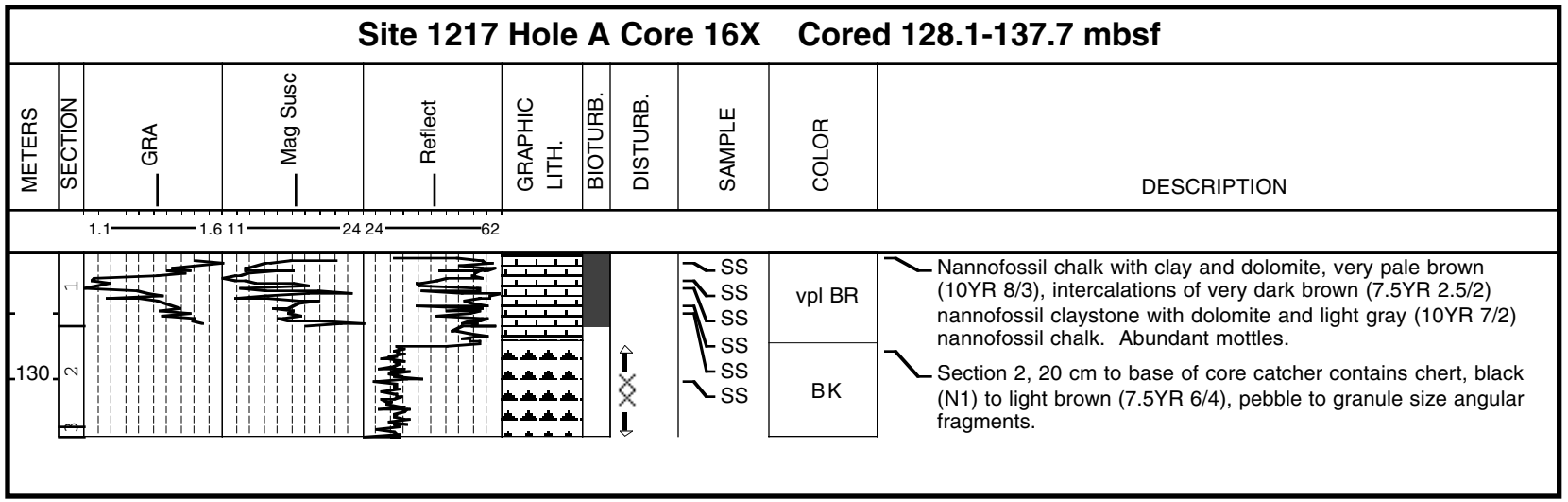


Core Photo

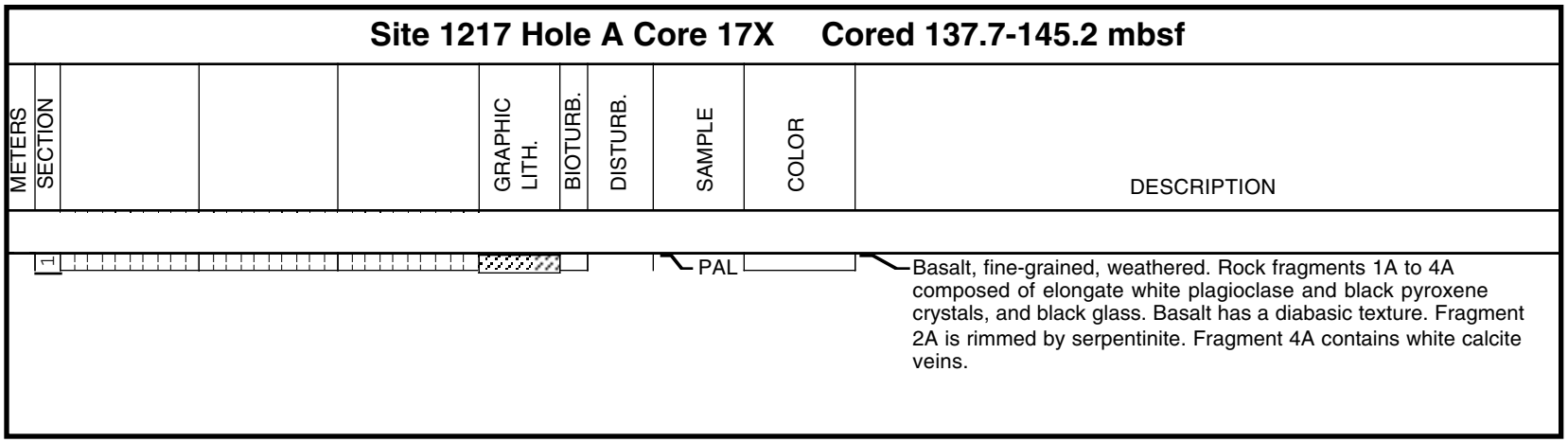
Site 1217 Hole A Core 15X Cored 118.5-128.1 mbsf

METERS	SECTION	GRAPHIC LITH.	BIOTURB.	DISTURB.	SAMPLE	COLOR	DESCRIPTION
	1				PAL	..	Chert, drilling breccia, color grades from black (N1) to dusky yellowish brown (10YR 2/2).

Core Photo

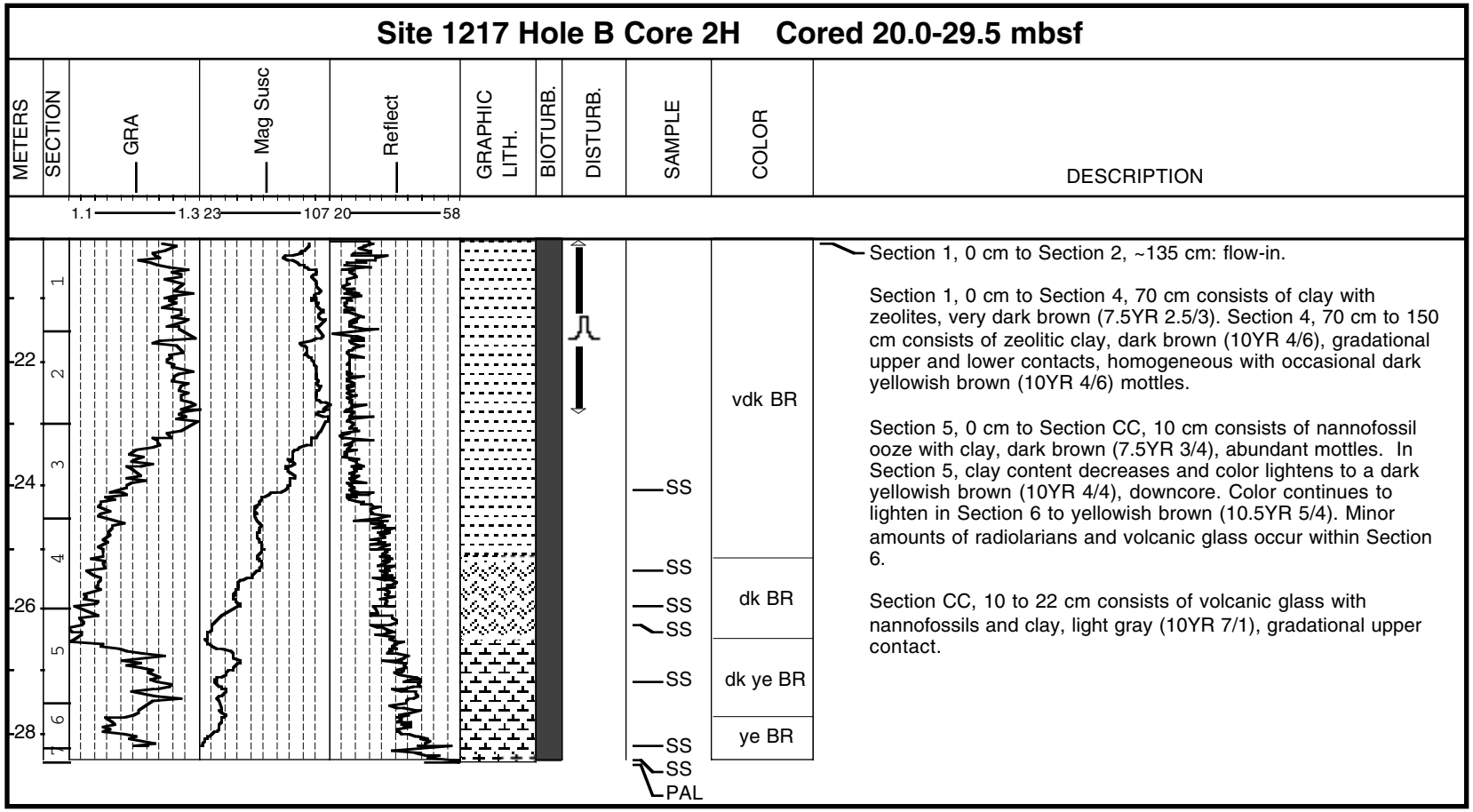

Site 1217 Hole A Core 16X Cored 128.1-137.7 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.1
1.6
11
24
24
62
130
1
2
SS
SS
SS
SS
SS
SS
vpl BR
BK
Nannofossil chalk with clay and dolomite, very pale brown (10YR 8/3), intercalations of very dark brown (7.5YR 2.5/2) nannofossil claystone with dolomite and light gray (10YR 7/2) nannofossil chalk. Abundant mottles.
Section 2, 20 cm to base of core catcher contains chert, black (N1) to light brown (7.5YR 6/4), pebble to granule size angular fragments.

Core Photo

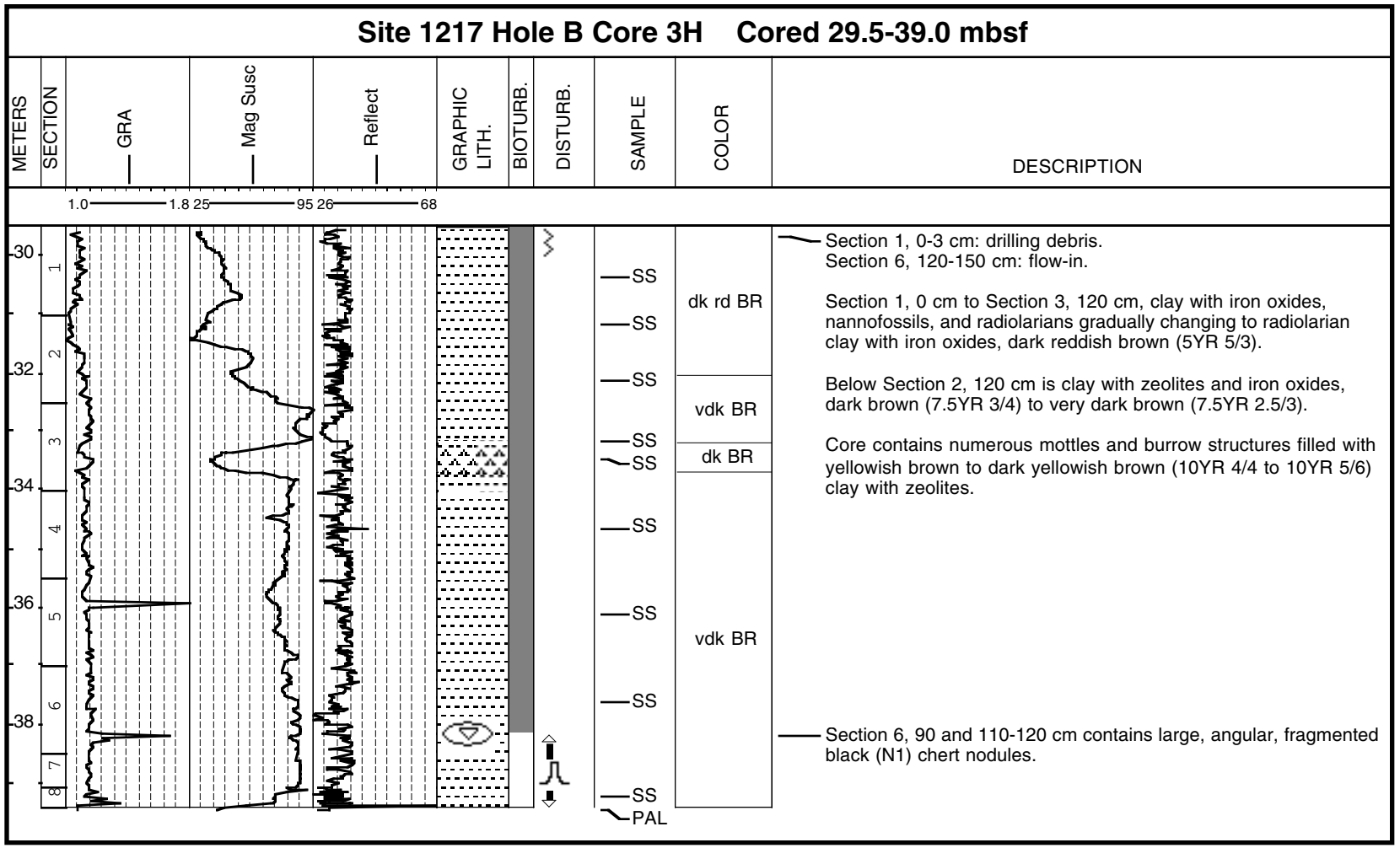


1217B-1W Drilled without coring

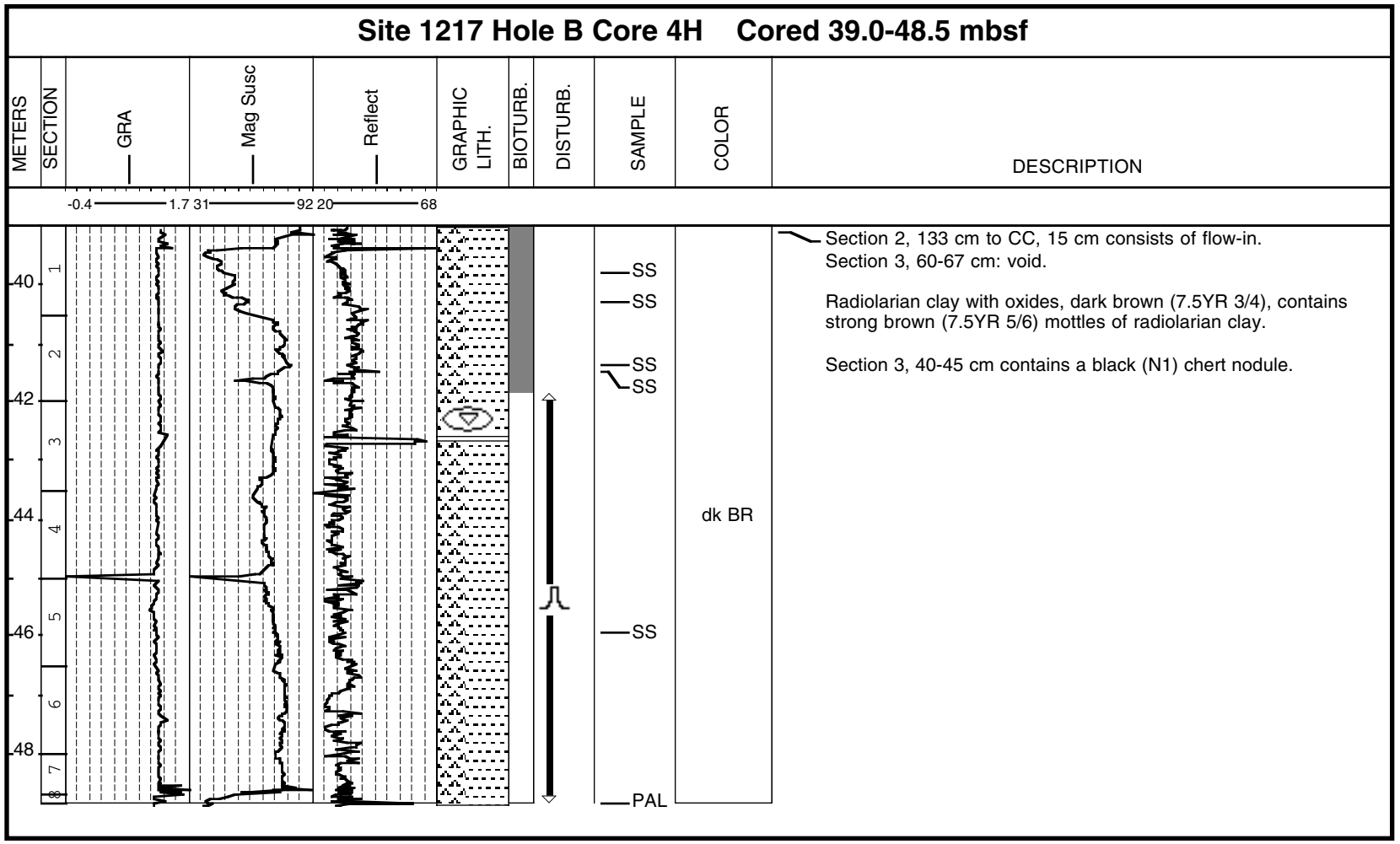
Core Photo


Site 1217 Hole B Core 2H Cored 20.0-29.5 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.1
1.3
23
107
20
58
22
24
26
28
1
2
3
4
5
6
7
SS
SS
SS
SS
SS
SS
SS
PAL
vdk BR
dk BR
dk ye BR
ye BR
Section 1, 0 cm to Section 2, ~135 cm: flow-in.
Section 1, 0 cm to Section 4, 70 cm consists of clay with zeolites, very dark brown (7.5YR 2.5/3). Section 4, 70 cm to 150 cm consists of zeolitic clay, dark brown (10YR 4/6), gradational upper and lower contacts, homogeneous with occasional dark yellowish brown (10YR 4/6) mottles.
Section 5, 0 cm to Section CC, 10 cm consists of nannofossil ooze with clay, dark brown (7.5YR 3/4), abundant mottles. In Section 5, clay content decreases and color lightens to a dark yellowish brown (10YR 4/4), downcore. Color continues to lighten in Section 6 to yellowish brown (10.5YR 5/4). Minor amounts of radiolarians and volcanic glass occur within Section 6.
Section CC, 10 to 22 cm consists of volcanic glass with nannofossils and clay, light gray (10YR 7/1), gradational upper contact.

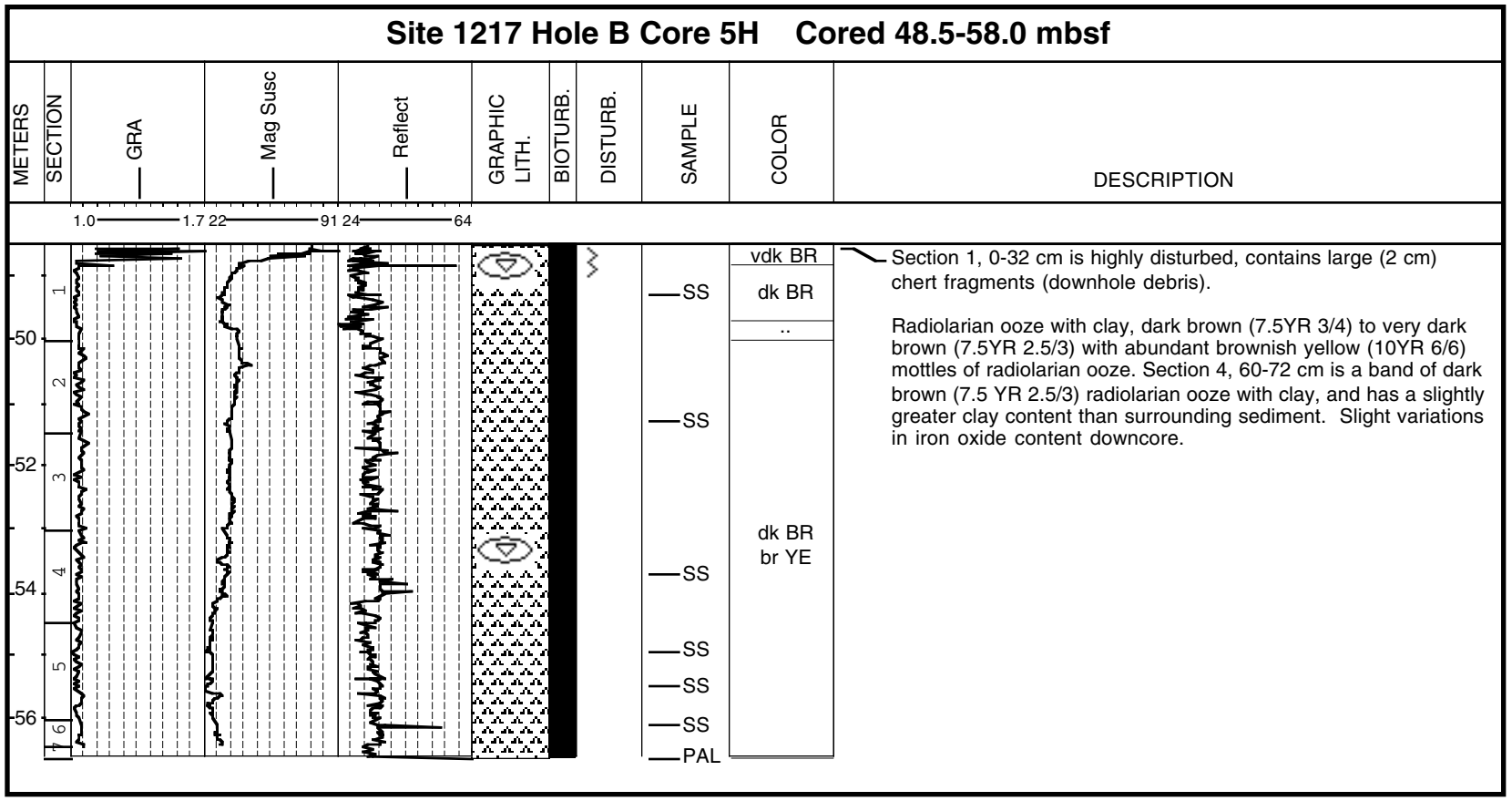
Core Photo


Site 1217 Hole B Core 3H Cored 29.5-39.0 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.8
25
95
26
68
30
32
34
36
38
1
2
3
4
5
6
7
8
SS
SS
SS
SS
SS
SS
SS
SS
PAL
dk rd BR
vdk BR
dk BR
vdk BR
Section 1, 0-3 cm: drilling debris.
Section 6, 120-150 cm: flow-in.
Section 1, 0 cm to Section 3, 120 cm, clay with iron oxides, nannofossils, and radiolarians gradually changing to radiolarian clay with iron oxides, dark reddish brown (5YR 5/3).
Below Section 2, 120 cm is clay with zeolites and iron oxides, dark brown (7.5YR 3/4) to very dark brown (7.5YR 2.5/3).
Core contains numerous mottles and burrow structures filled with yellowish brown to dark yellowish brown (10YR 4/4 to 10YR 5/6) clay with zeolites.
Section 6, 90 and 110-120 cm contains large, angular, fragmented black (N1) chert nodules.

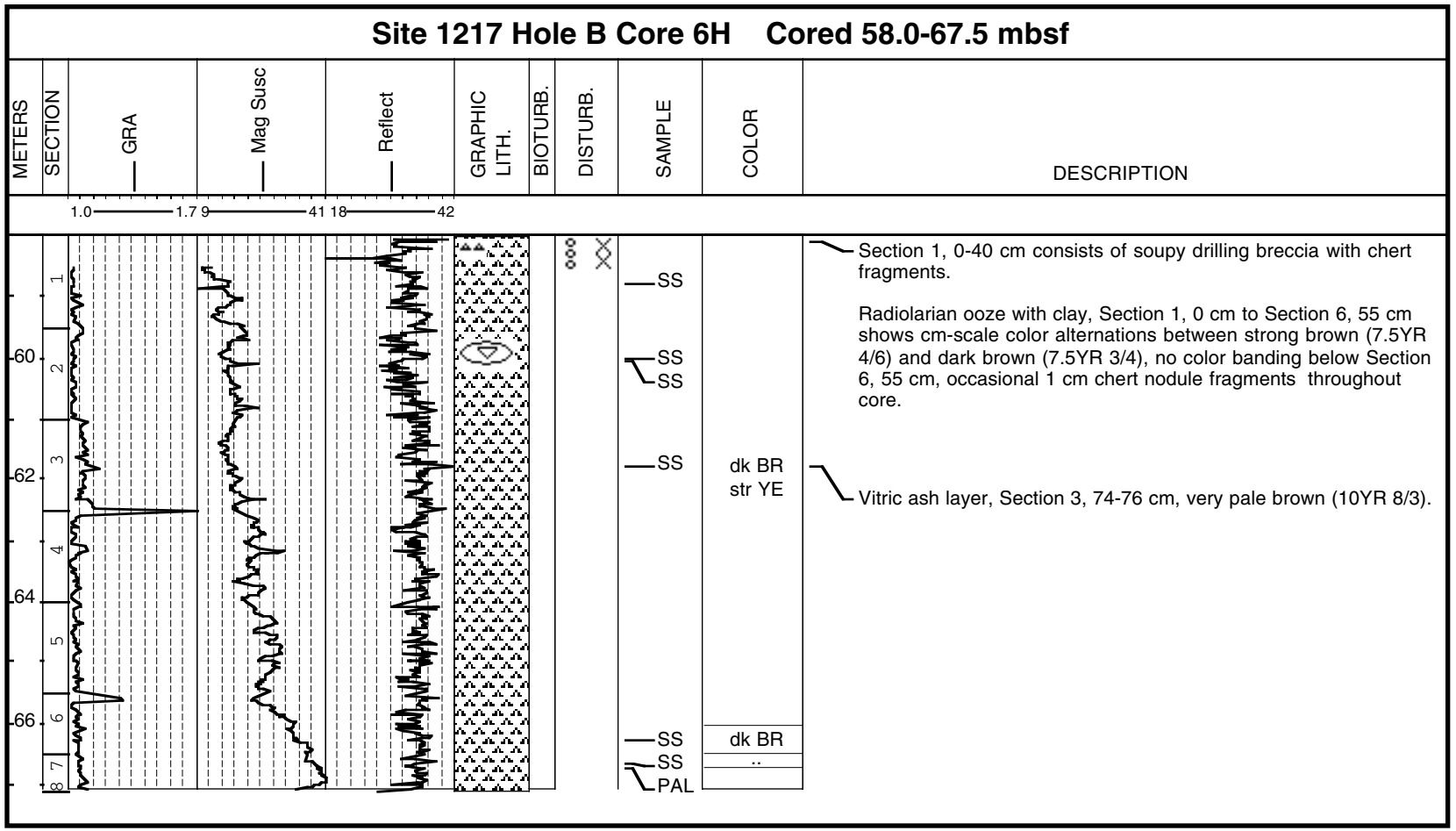
Core Photo


Site 1217 Hole B Core 4H Cored 39.0-48.5 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
-0.4
1.7
31
92
20
68
40
42
44
46
48
1
2
3
4
5
6
7
SS
SS
SS
SS
SS
PAL
dk BR
Section 2, 133 cm to CC, 15 cm consists of flow-in.
Section 3, 60-67 cm: void.
Radiolarian clay with oxides, dark brown (7.5YR 3/4), contains strong brown (7.5YR 5/6) mottles of radiolarian clay.
Section 3, 40-45 cm contains a black (N1) chert nodule.

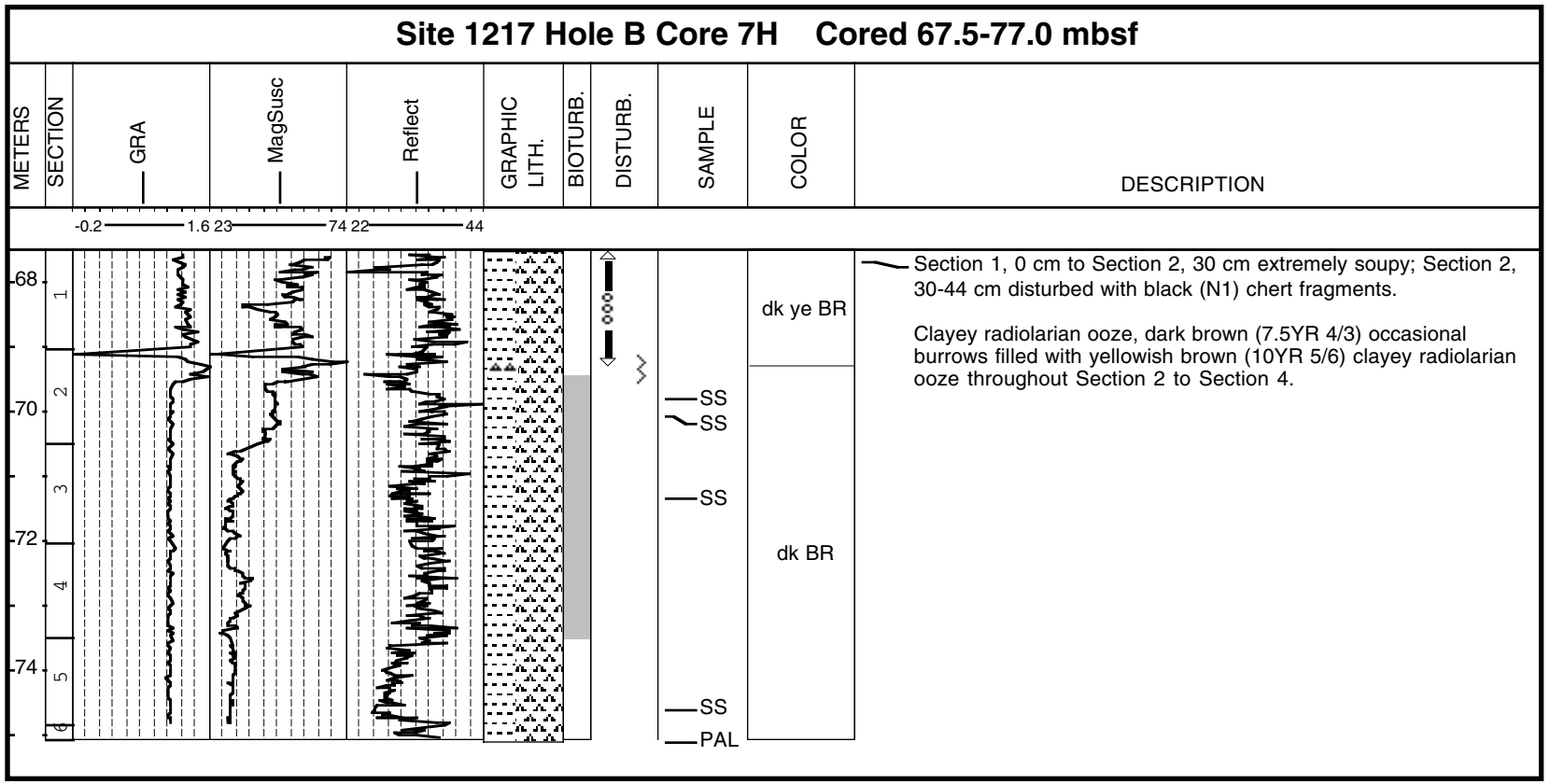
Core Photo


Site 1217 Hole B Core 5H Cored 48.5-58.0 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.7
22
91
24
64
-50
-52
-54
-56
1
2
3
4
5
6
SS
SS
SS
SS
SS
SS
PAL
vdk BR
dk BR
..
dk BR
br YE
Section 1, 0-32 cm is highly disturbed, contains large (2 cm) chert fragments (downhole debris).
Radiolarian ooze with clay, dark brown (7.5YR 3/4) to very dark brown (7.5YR 2.5/3) with abundant brownish yellow (10YR 6/6) mottles of radiolarian ooze. Section 4, 60-72 cm is a band of dark brown (7.5 YR 2.5/3) radiolarian ooze with clay, and has a slightly greater clay content than surrounding sediment. Slight variations in iron oxide content downcore.

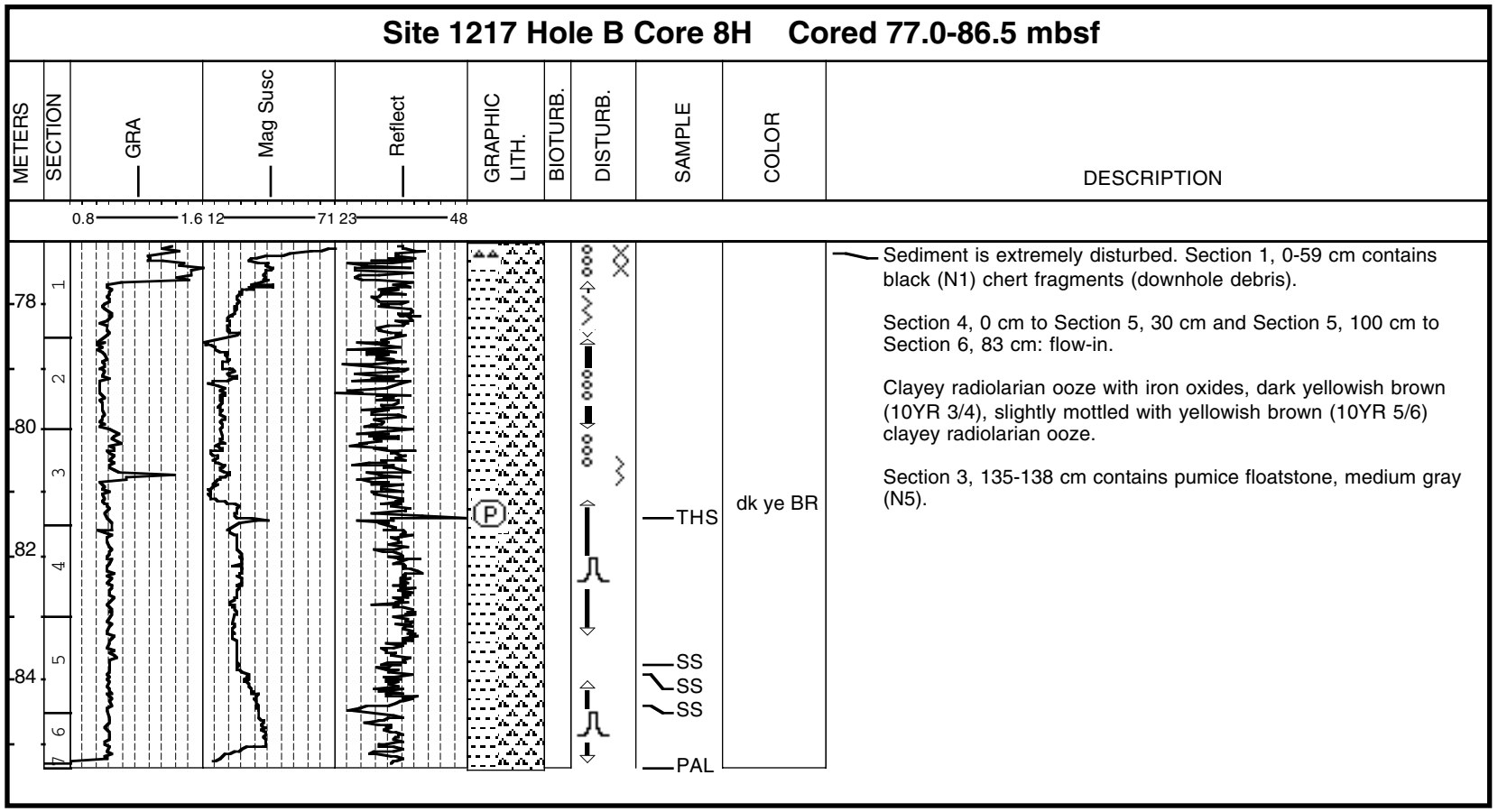
Core Photo


Site 1217 Hole B Core 6H Cored 58.0-67.5 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.7 9
41 18
42
60
62
64
66
1
2
3
4
5
6
7
SS
SS
SS
SS
SS
SS
PAL
dk BR
str YE
dk BR
..
Section 1, 0-40 cm consists of soupy drilling breccia with chert fragments.
Radiolarian ooze with clay, Section 1, 0 cm to Section 6, 55 cm shows cm-scale color alternations between strong brown (7.5YR 4/6) and dark brown (7.5YR 3/4), no color banding below Section 6, 55 cm, occasional 1 cm chert nodule fragments throughout core.
Vitric ash layer, Section 3, 74-76 cm, very pale brown (10YR 8/3).

Core Photo

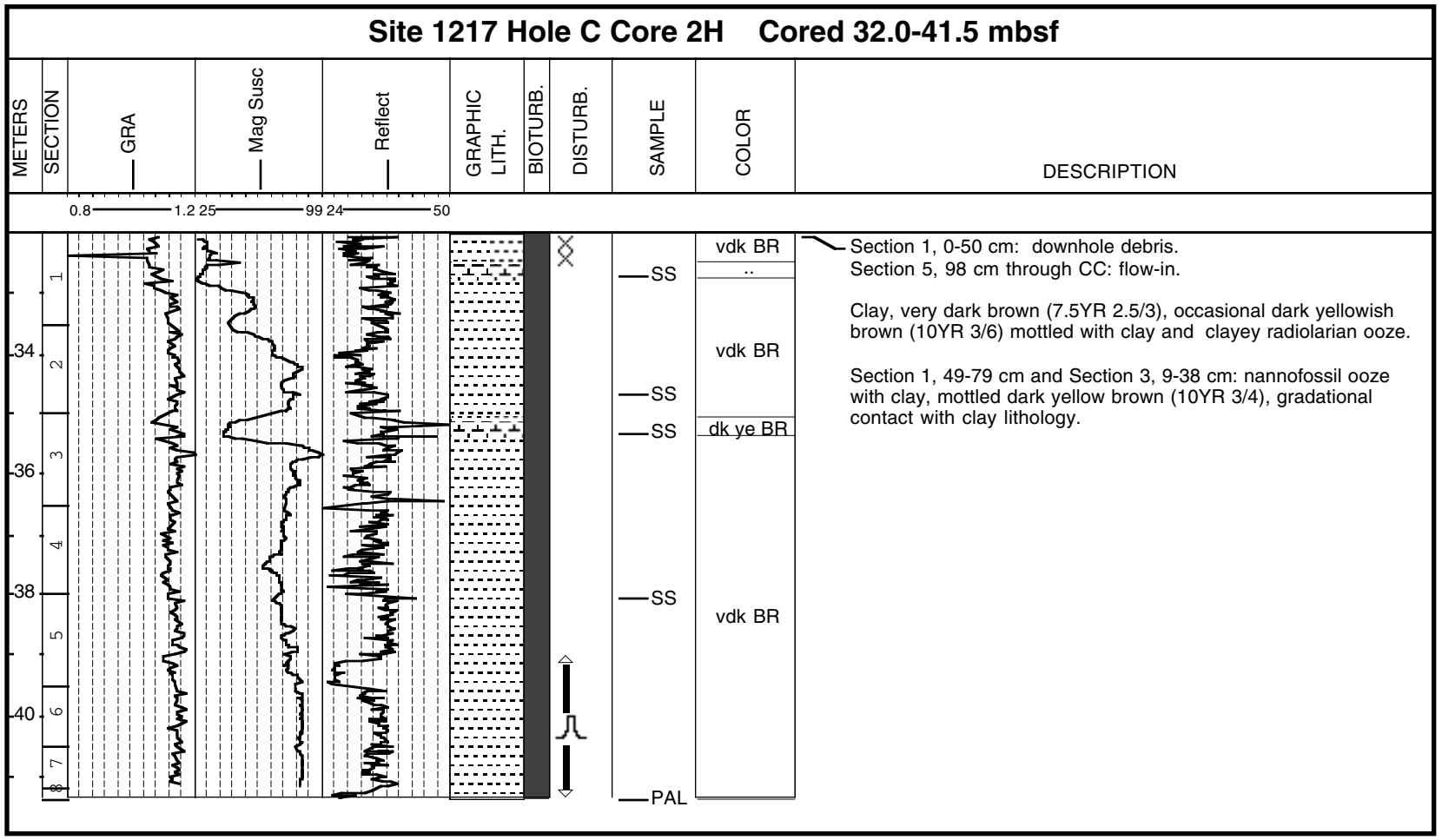

Site 1217 Hole B Core 7H Cored 67.5-77.0 mbsf
METERS
SECTION
GRA
MagSusc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
-0.2
1.6
23
74
22
44
68
70
72
74
1
2
3
4
5
6
SS
SS
SS
SS
PAL
dk ye BR
dk BR
Section 1, 0 cm to Section 2, 30 cm extremely soupy; Section 2, 30-44 cm disturbed with black (N1) chert fragments.
Clayey radiolarian ooze, dark brown (7.5YR 4/3) occasional burrows filled with yellowish brown (10YR 5/6) clayey radiolarian ooze throughout Section 2 to Section 4.

Core Photo

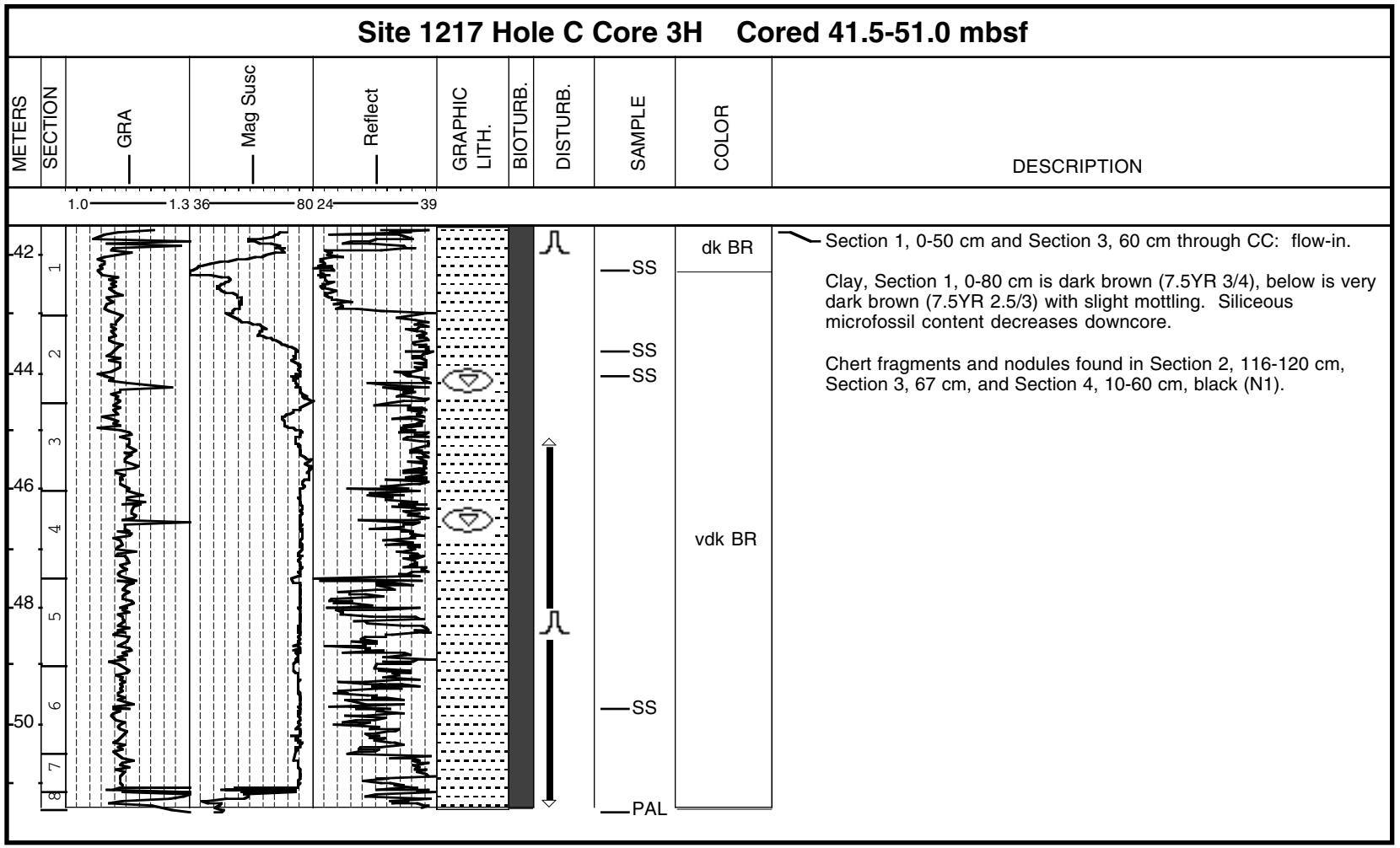


1217C-1W Drilled without coring

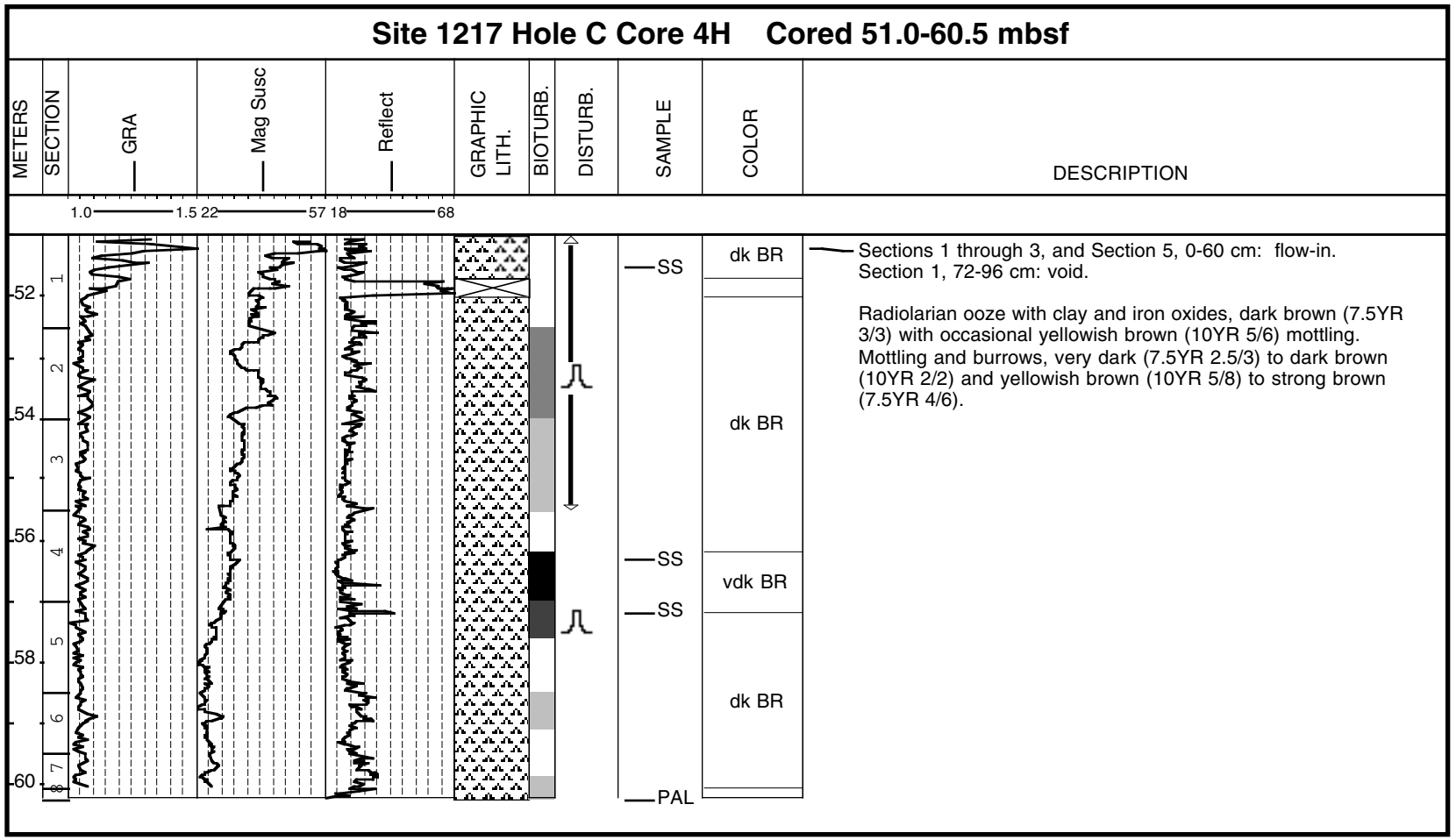
Core Photo


Site 1217 Hole C Core 2H Cored 32.0-41.5 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
0.8
1.2
25
99
24
50
34
36
38
40
1
2
3
4
5
6
7
8
SS
SS
SS
SS
PAL
vdk BR
vdk BR
dk ye BR
vdk BR
Section 1, 0-50 cm: downhole debris.
Section 5, 98 cm through CC: flow-in.
Clay, very dark brown (7.5YR 2.5/3), occasional dark yellowish brown (10YR 3/6) mottled with clay and clayey radiolarian ooze.
Section 1, 49-79 cm and Section 3, 9-38 cm: nannofossil ooze with clay, mottled dark yellow brown (10YR 3/4), gradational contact with clay lithology.

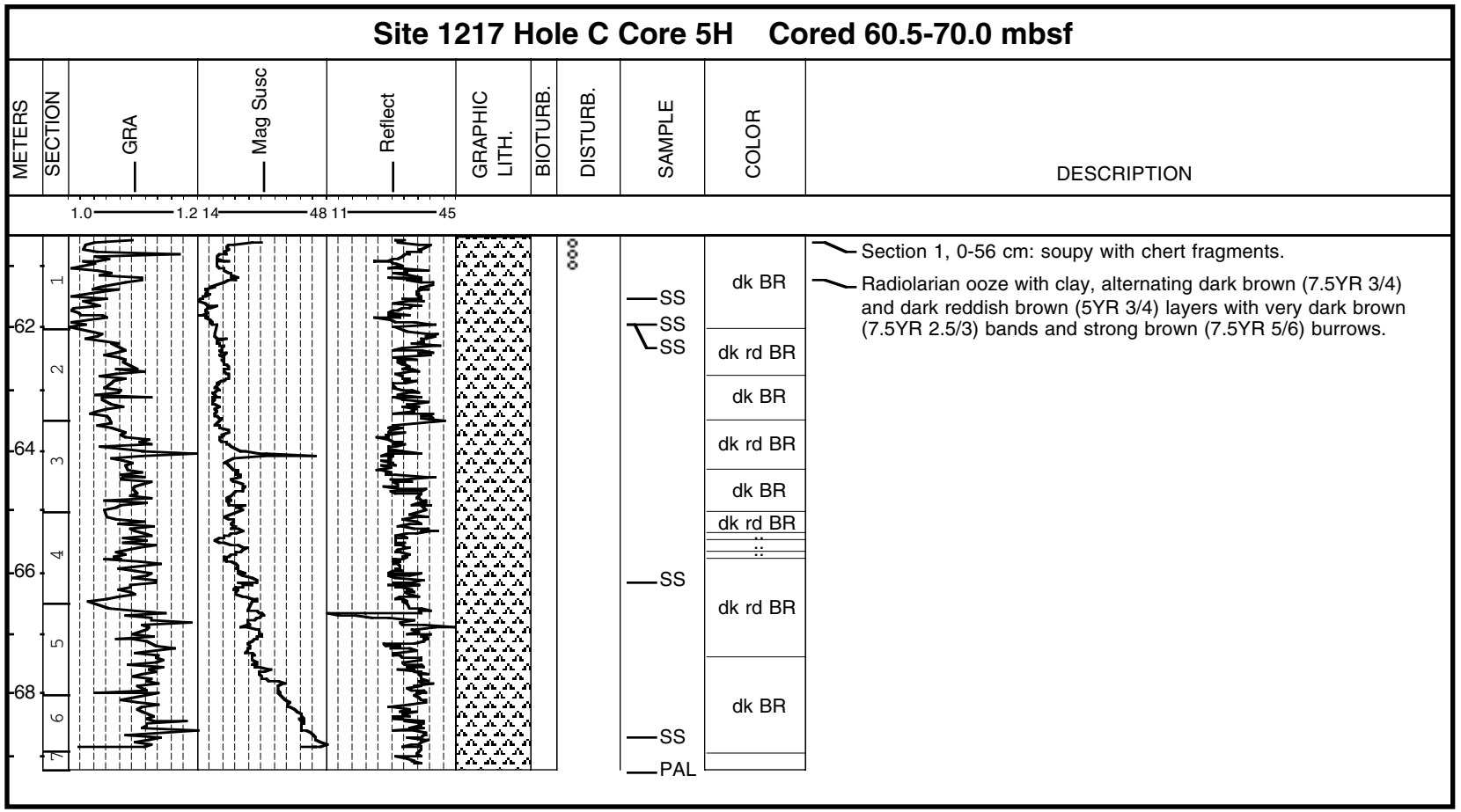
Core Photo


Site 1217 Hole C Core 3H Cored 41.5-51.0 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.3
36
80
24
39
42
44
46
48
50
1
2
3
4
5
6
7
8
SS
SS
SS
SS
PAL
dk BR
vdk BR
Section 1, 0-50 cm and Section 3, 60 cm through CC: flow-in.
Clay, Section 1, 0-80 cm is dark brown (7.5YR 3/4), below is very dark brown (7.5YR 2.5/3) with slight mottling. Siliceous microfossil content decreases downcore.
Chert fragments and nodules found in Section 2, 116-120 cm, Section 3, 67 cm, and Section 4, 10-60 cm, black (N1).

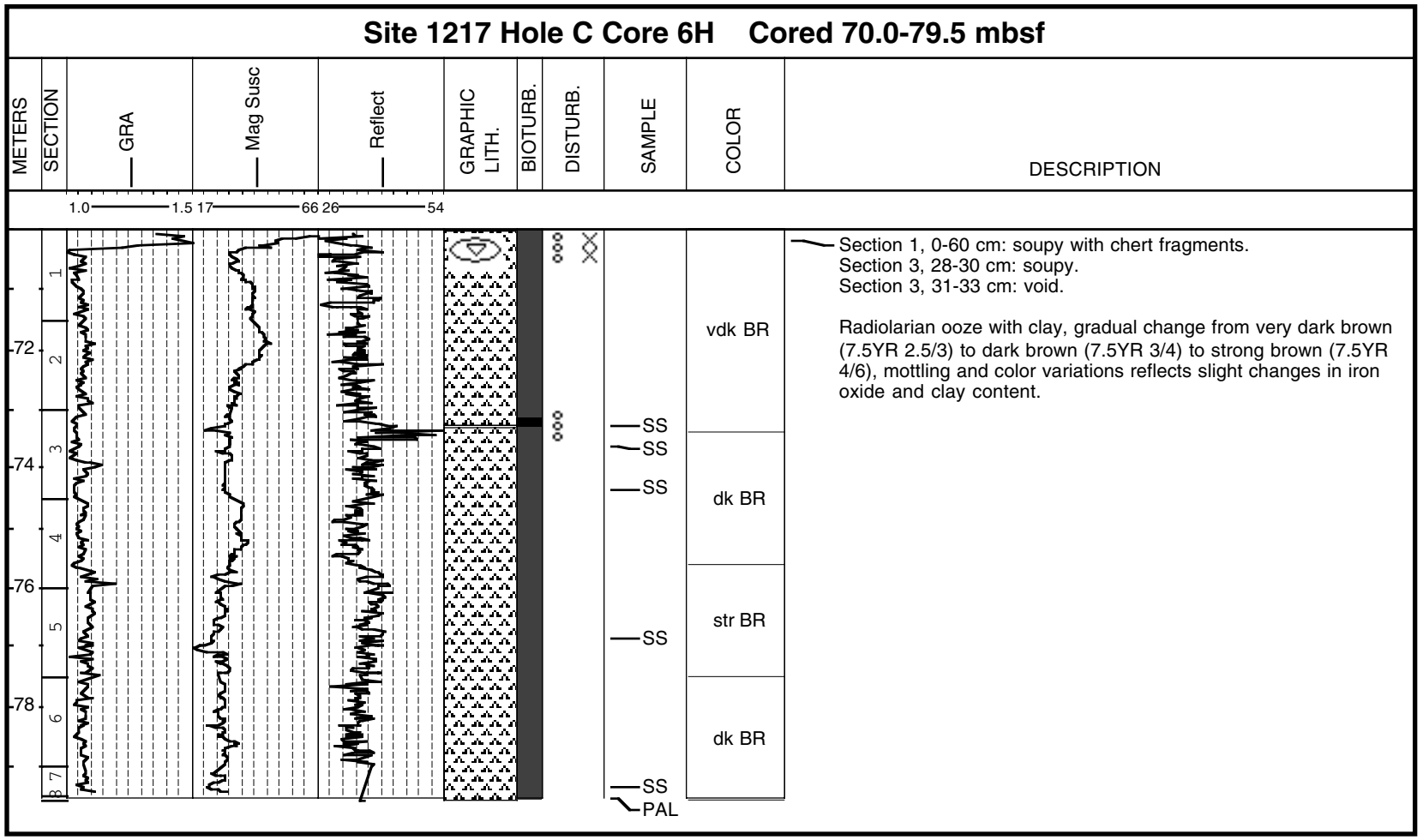
Core Photo


Site 1217 Hole C Core 4H Cored 51.0-60.5 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.5
22
57
18
68
52
54
56
58
60
1
2
3
4
5
6
7
SS
SS
SS
PAL
dk BR
dk BR
vdk BR
dk BR
Sections 1 through 3, and Section 5, 0-60 cm: flow-in.
Section 1, 72-96 cm: void.
Radiolarian ooze with clay and iron oxides, dark brown (7.5YR 3/3) with occasional yellowish brown (10YR 5/6) mottling. Mottling and burrows, very dark (7.5YR 2.5/3) to dark brown (10YR 2/2) and yellowish brown (10YR 5/8) to strong brown (7.5YR 4/6).

Core Photo


Site 1217 Hole C Core 5H Cored 60.5-70.0 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.2
14
48
11
45
62
64
66
68
1
2
3
4
5
6
7
SS
SS
SS
SS
SS
PAL
dk BR
dk rd BR
dk BR
dk rd BR
dk BR
dk rd BR
dk rd BR
dk BR
Section 1, 0-56 cm: soupy with chert fragments.
Radiolarian ooze with clay, alternating dark brown (7.5YR 3/4) and dark reddish brown (5YR 3/4) layers with very dark brown (7.5YR 2.5/3) bands and strong brown (7.5YR 5/6) burrows.

Core Photo


Site 1217 Hole C Core 6H Cored 70.0-79.5 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.5
17
66
26
54
72
74
76
78
1
2
3
4
5
6
7
SS
SS
SS
SS
SS
PAL
vdk BR
dk BR
str BR
dk BR
Section 1, 0-60 cm: soupy with chert fragments.
Section 3, 28-30 cm: soupy.
Section 3, 31-33 cm: void.
Radiolarian ooze with clay, gradual change from very dark brown (7.5YR 2.5/3) to dark brown (7.5YR 3/4) to strong brown (7.5YR 4/6), mottling and color variations reflects slight changes in iron oxide and clay content.

Sample									Texture			Mineral										Biogenic				
Leg	Site	Hole	Core	Core Type	Section	Top Interval (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Calcite (30)	Clay Mineral (47)	Dolomite (62)	Fe Oxide (68)	Feldspar (71)	Opaques (140)	Quartz (172)	Volcanic Glass Shard (247)	Zeolite (222)	Nannofossils (132)	Radiolarians (173)	Silicoflagellates (189)	Sponge Spicules (199)	Comments
Hole A																									
199	1217	A	1	H	1	85	0.85	D			100		94				1		1	4					Clay
199	1217	A	1	H	1	124	1.24	D			100		85				2		5	8					Clay
199	1217	A	1	H	3	64	3.64	D			100		80				5		5	10					Clay with zeolites
199	1217	A	1	H	3	142	4.42	D			100		89				2		1	8					Clay
199	1217	A	1	H	4	20	4.70	D			100		91		1		2		1	5					Clay
199	1217	A	1	H	CC	0	5.25	D			100		72		1		2		15	10					Clay with glass and zeolites
199	1217	A	2	H	1	90	6.40	D			100		88			1	5		1	5					Clay
199	1217	A	2	H	2	24	7.24	M			100		75				5			20					Clay with zeolites
199	1217	A	2	H	CC	0	15.10	D			100		59				1			40					Zeolite clay
199	1217	A	3	H	5	40	21.40	D			100		85							15					Clay with zeolites
199	1217	A	4	H	1	72	25.22	D			100		80				5			15					Clay with zeolites
199	1217	A	4	H	1	102	25.52	M			100		20				5			75					Zeolite clay
199	1217	A	4	H	2	10	26.10	M		80	20		20				5		75						Volcanic glass with clay
199	1217	A	4	H	2	28	26.28	M			100		10				15			75					Zeolite clay with opaques
199	1217	A	4	H	2	30	26.30	M			100		10					5		85					Zeolite clay
199	1217	A	4	H	2	90	26.90	D			100		15				2				80	3			Nannofossil ooze with clay
199	1217	A	4	H	3	30	27.80	D			100		20								75	5			Nannofossil ooze with clay
199	1217	A	4	H	4	5	28.05	D			100		30								60	10			Clayey nannofossil ooze with radiolarians
199	1217	A	4	H	4	14	28.14	M	70	20	10								90		10				Volcanic glass with nannofossils
199	1217	A	4	H	4	30	28.30	D			100		15		5		5			15	60				Nannofossil ooze with clay and zeolites
199	1217	A	4	H	4	70	28.70	D			100		20				5			15	60				Nannofossil ooze with clay and zeolites
199	1217	A	4	H	4	100	29.00	D			100		25		5		5			15	50				Clayey nannofossil ooze with zeolites
199	1217	A	4	H	4	130	29.30	D			100		20				3		2	5	60	10			Nannofossil ooze with clay and radiolarians
199	1217	A	4	H	5	5	29.55	D			100		25		5		5			5	40	20			Clayey nannofossil ooze with radiolarians
199	1217	A	4	H	5	80	30.30	D			100		25		5					5	50	15			Clayey nannofossil ooze with radiolarians
199	1217	A	4	H	6	50	31.50	M			100		20		5		5		10		40	20			Nannofossil ooze with clay, radiolarians, and volcanic glass
199	1217	A	4	H	7	60	33.10	D			100		65				1		20	2					Clay with volcanic glass
199	1217	A	4	H	7	80	33.30	D			100		60		10		5			5		20			Clay with radiolarians and iron oxides
199	1217	A	5	H	1	65	34.65	D			100		70		5		5	1		20					Clay with zeolites
199	1217	A	5	H	1	92	34.92	D			100		70		10		5			15					Clay with zeolites and iron oxides
199	1217	A	5	H	3	15	37.15	D			100		70		10		5			15					Clay with zeolites and iron oxides
199	1217	A	5	H	3	56	37.56	M			100		10		3					87					Zeolite clay
199	1217	A	5	H	7	70	43.70	D			100		60		10		5			25					Zeolite clay with iron oxides
199	1217	A	5	H	CC	0	43.88	M			100		10				5			85					Zeolite clay
199	1217	A	6	H	2	82	45.41	D			100		85		5		5			5					Clay

Sample									Texture			Mineral										Biogenic				
Leg	Site	Hole	Core	Core Type	Section	Top Interval (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Calcite (30)	Clay Mineral (47)	Dolomite (62)	Fe Oxide (68)	Feldspar (71)	Opaques (140)	Quartz (172)	Volcanic Glass Shard (247)	Zeolite (222)	Nannofossils (132)	Radiolarians (173)	Siliceoflagellates (189)	Sponge Spicules (199)	Comments
Hole A (continued)																										
199	1217	A	6	H	3	4	46.13	M			100		30		5		5			60					Zeolite clay
199	1217	A	6	H	5	49	49.08	D			100		65		5		5			25					Zeolite clay
199	1217	A	6	H	CC	0	50.57	D			100		65		10		10			15					Clay with zeolites, Fe-oxides and opaques
199	1217	A	7	H	1	140	52.10	D			100		20				5					75			Radiolarian ooze with clay
199	1217	A	7	H	2	60	52.80	D			100		25				5					70			Clayey radiolarian ooze
199	1217	A	7	H	2	140	53.60	D			100		20				5					75			Radiolarian ooze with clay
199	1217	A	7	H	3	22	53.92	M			100		10									90			Radiolarian ooze with clay
199	1217	A	7	H	4	40	55.60	D			100		20		5							71	1	3	Radiolarian ooze with clay
199	1217	A	7	H	4	57	55.77	D			100		25		5							70			Clayey radiolarian ooze
199	1217	A	7	H	6	128	59.48	D			100		15		*		5					75		5	Radiolarian ooze with clay
199	1217	A	7	H	6	130	59.50	M			100		30		5		5					57		3	Clayey radiolarian ooze
199	1217	A	7	H	6	132	59.52	M			100		10									87		3	Radiolarian ooze with clay
199	1217	A	7	H	6	140	59.60	M			100		15				*					82		3	Radiolarian ooze with clay
199	1217	A	7	H	6	146	59.66	D			100		15		5		5					70		5	Radiolarian ooze with clay
199	1217	A	7	H	7	50	60.20	D			100		20		5		*				7	64		4	Radiolarian ooze with clay
199	1217	A	7	H	CC	0	60.27	D			100		15									75		10	Radiolarian ooze with clay
199	1217	A	9	H	2	71	62.95	M			100		15		1	*						80		4	Radiolarian ooze with clay
199	1217	A	9	H	3	33	63.42	D			100		30		2	*						65		3	Clayey radiolarian ooze
199	1217	A	9	H	5	113	67.22	D			100		30		5							63		2	Clayey radiolarian ooze
199	1217	A	10	H	1	120	71.90	D			100		30		*							70			Clayey radiolarian ooze
199	1217	A	10	H	2	35	72.55	M			100		50		10							40			Radiolarian clay with Fe oxides
199	1217	A	10	H	2	85	73.05	M			100		15		2							80	1	2	Radiolarian ooze with clay
199	1217	A	11	H	1	100	81.20	D			100		32		5							60		3	Clayey radiolarian ooze
199	1217	A	11	H	3	128	84.48	M			100		28		10		*					60		2	Clayey radiolarian ooze with iron oxides
199	1217	A	11	H	4	120	85.90	M			100		25		*		*					70		5	Clayey radiolarian ooze
199	1217	A	11	H	CC	17	90.11	D			100		93		5					2		*			Clay (dominant near base of core)
199	1217	A	12	H	1	50	90.20	D			100		85		5		3	*		7					Clay
199	1217	A	16	X	1	10	128.20	D			100		5	5	1		1				88				Nannofossil chalk (15% whole, 75% fragments/ micrite)
199	1217	A	16	X	1	42	128.52	M			100		10	10	1		1				78				Nannofossil chalk with dolomite and clay (10% whole)
199	1217	A	16	X	1	54	128.64	M			100		59	10	1		1				29				Nannofossil claystone with dolomite (5% whole)
199	1217	A	16	X	1	84	128.94	M			100	10	20	10				10			50				"Nannofossil chalk with clay, calcite, and dolomite"
199	1217	A	16	X	1	96	129.06	D			100		5	5	1		1				88				Nannofossil chalk
199	1217	A	16	X	2	73	129.97	M			100	5	15	1	1		5				73				Nannofossil chalk with clay

Sample									Texture			Mineral												Biogenic				
Leg	Site	Hole	Core	Core Type	Section	Top Interval (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Calcite (30)	Chert (43)	Clay Mineral (47)	Dolomite (62)	Fe Oxide (68)	Feldspar (71)	Felsic Glass Shards (234)	Opaques (140)	Quartz (172)	Volcanic Glass Shard (247)	Zeolite (222)	Nannofossils (132)	Radiolarians (173)	Silicoflagellates (189)	Sponge Spicules (199)	Comments
Hole B																												
199	1217	B	2	H	3	102	24.02	D			100			80		10						10					Clay with zeolites and Fe-oxides
199	1217	B	2	H	4	80	25.30	D			100			60		10						30					Clay with zeolites and Fe-oxides
199	1217	B	2	H	4	142	25.92	M			100			25		5						70					Zeolite clay
199	1217	B	2	H	5	20	26.20	D			100	5		75		15						5					Clay with Fe-oxide
199	1217	B	2	H	5	110	27.10	D			100			15		5							80				Nannofossil ooze with clay
199	1217	B	2	H	6	68	28.18	D			100			15		5		10					55	10		5	Nannofossil ooze with radiolarians and glass
199	1217	B	2	H	CC	18	28.42	M			100			10				60					30				Nannofossil-rich volcanic glass with clay
199	1217	B	3	H	1	33	29.83	D			100			45		10					5		20	20			Clay with nannofossils, radiolarians and Fe-oxide
199	1217	B	3	H	2	16	31.16	D			100			50		20								30			Radiolarian clay with Fe-oxide
199	1217	B	3	H	2	110	32.10	D			100			65		10					5			20			Clay with radiolarians and Fe-oxide
199	1217	B	3	H	3	63	33.13	D			100			90		10											Clay with Fe-oxides
199	1217	B	3	H	3	96	33.46	M			100			15		5					20			60			Radiolarian ooze with volcanic glass and clay
199	1217	B	3	H	4	60	34.60	M			100			85					5			10					Clay with zeolites
199	1217	B	3	H	5	59	36.09	M			100			80		5			5			10					Clay with zeolites
199	1217	B	3	H	6	60	37.60	D			100			70		20						10					Clay with Fe-oxides and zeolites
199	1217	B	3	H	CC	10	39.20	D			100			70		20						10					Clay with Fe-oxides and zeolites
199	1217	B	4	H	1	75	39.75	D			100			50		10								40		*	Radiolarian clay with iron oxides
199	1217	B	4	H	1	128	40.28	M			100			65		5					*			30			radiolarian clay
199	1217	B	4	H	2	82	41.32	M			100			60		35		*			5		*				iron oxide clay (altered ash?)
199	1217	B	4	H	2	92	41.42	M			100			85		5					*	5		5			Clay
199	1217	B	4	H	5	90	45.90	D			100			65		20	*				*	15					Clay with iron oxides and zeolites
199	1217	B	5	H	1	76	49.26	D			100			15		5								80		*	Radiolarian ooze with clay. Trace of Astrosphaerins
199	1217	B	5	H	2	124	51.24	M			100		70	10		5						5		10			Chert with clay and radiolarians
199	1217	B	5	H	4	70	53.70	M			100			20		10								70		*	Radiolarian ooze with clay and iron oxides
199	1217	B	5	H	5	38	54.88	M			100			10		*								88		2	Radiolarian ooze with clay
199	1217	B	5	H	5	95	55.45	M			100			10		5								85		*	Radiolarian ooze with clay
199	1217	B	5	H	6	20	56.20	D			100			15		5								78		2	Radiolarian ooze with clay
199	1217	B	6	H	1	74	58.74	D			100			20		10								70			Radiolarian ooze with clay and Fe-oxides
199	1217	B	6	H	2	47	59.97	M			100			20		5								75			Radiolarian ooze with clay
199	1217	B	6	H	2	50	60.00	M			100			22		8								70		*	Radiolarian ooze with clay
199	1217	B	6	H	3	74	61.74	M			100			10		3					70			17			Volcanic glass with radiolarians and clay
199	1217	B	6	H	6	78	66.28	M			100			20		*								80		*	Radiolarian ooze with clay
199	1217	B	6	H	7	25	66.76	D			100			30		15								55		*	Clayey radiolarian ooze with Fe-oxide

Sample									Texture			Mineral						Biogenic				
Leg	Site	Hole	Core	Core Type	Section	Top Interval (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Clay Mineral (47)	Fe Oxide (68)	Felsic Glass Shards (234)	Opaques (140)	Zeolite (222)	Nannofossils (132)	Radiolarians (173)	Silicoflagellates (189)	Sponge Spicules (199)	Comments
Hole C																					
199	1217	C	2	H	1	67	32.67	D			100	25		5	5		55	5		5	Nannofossil ooze with clay
199	1217	C	2	H	2	114	34.64	D			100	95	4	1							Clay
199	1217	C	2	H	3	28	35.28	D	25		75	35	5	25				35			Clayey glassy radiolarian ooze
199	1217	C	2	H	5	2	38.02	M			100	85	5		5	5					Clay
199	1217	C	3	H	1	70	42.20	D			100	50			5			45			Radiolarian clay
199	1217	C	3	H	2	60	43.60	D			100	85	5					10			Clay with radiolarians
199	1217	C	3	H	2	103	44.03	D			100	90	5					5			Clay
199	1217	C	3	H	6	70	49.70	D			100	89	5	2	1	3				*	Clay
199	1217	C	4	H	2	50	53.00	D			100	20	5				*	74		1	Radiolarian ooze with clay
199	1217	C	4	H	4	80	56.30	D			100	25	10	5				60			Radiolarian ooze with clay and Fe-oxides
199	1217	C	4	H	4	120	56.70	D			100	10	5					85			Radiolarian ooze with clay
199	1217	C	4	H	5	12	57.12	M			100	15	5					80			Radiolarian ooze with clay
199	1217	C	5	H	1	100	61.50	D			100	20	5					75			Radiolarian ooze with clay
199	1217	C	5	H	1	142	61.92	M			100	5						95			Radiolarian ooze
199	1217	C	5	H	1	143	61.93	D			100	10	5					85			Radiolarian ooze with clay
199	1217	C	5	H	4	110	66.10	D			100	20	10					70			Radiolarian ooze with clay and Fe-oxides
199	1217	C	5	H	6	64	68.64	D			100	10			9		1	80			Radiolarian ooze with clay
199	1217	C	6	H	1	130	71.30	D			100	15			10			75			Radiolarian ooze with clay and opaques
199	1217	C	6	H	3	25	73.25	D			100	15			5			80			Radiolarian ooze with clay
199	1217	C	6	H	3	60	73.60	D			100	20			10			70			Radiolarian ooze with clay and opaques
199	1217	C	6	H	5	80	76.80	D			100	20	10					70			Radiolarian ooze with clay and Fe-oxides
199	1217	C	6	H	7	30	79.30	D			100	20	10					70			Radiolarian ooze with clay and iron oxides