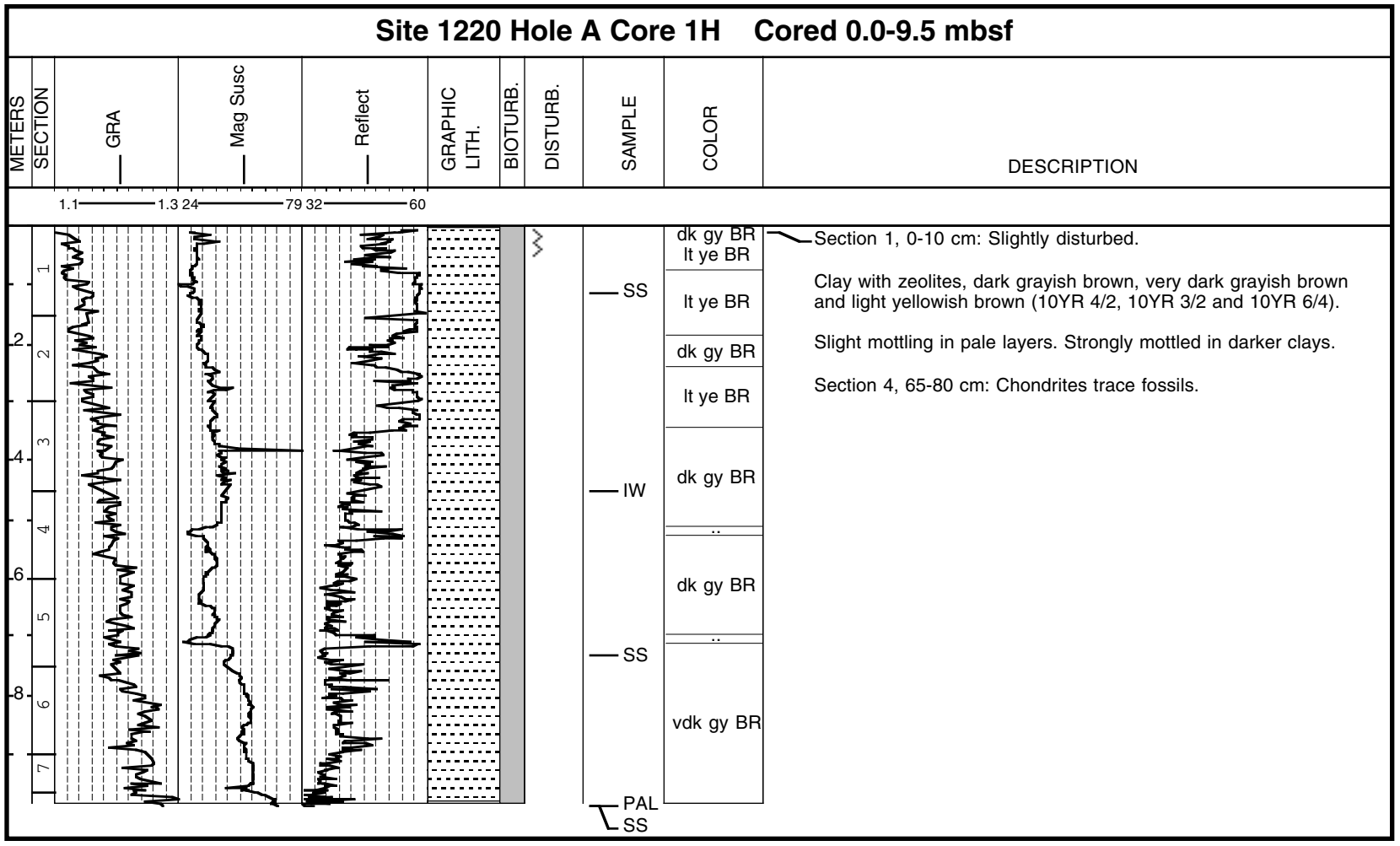
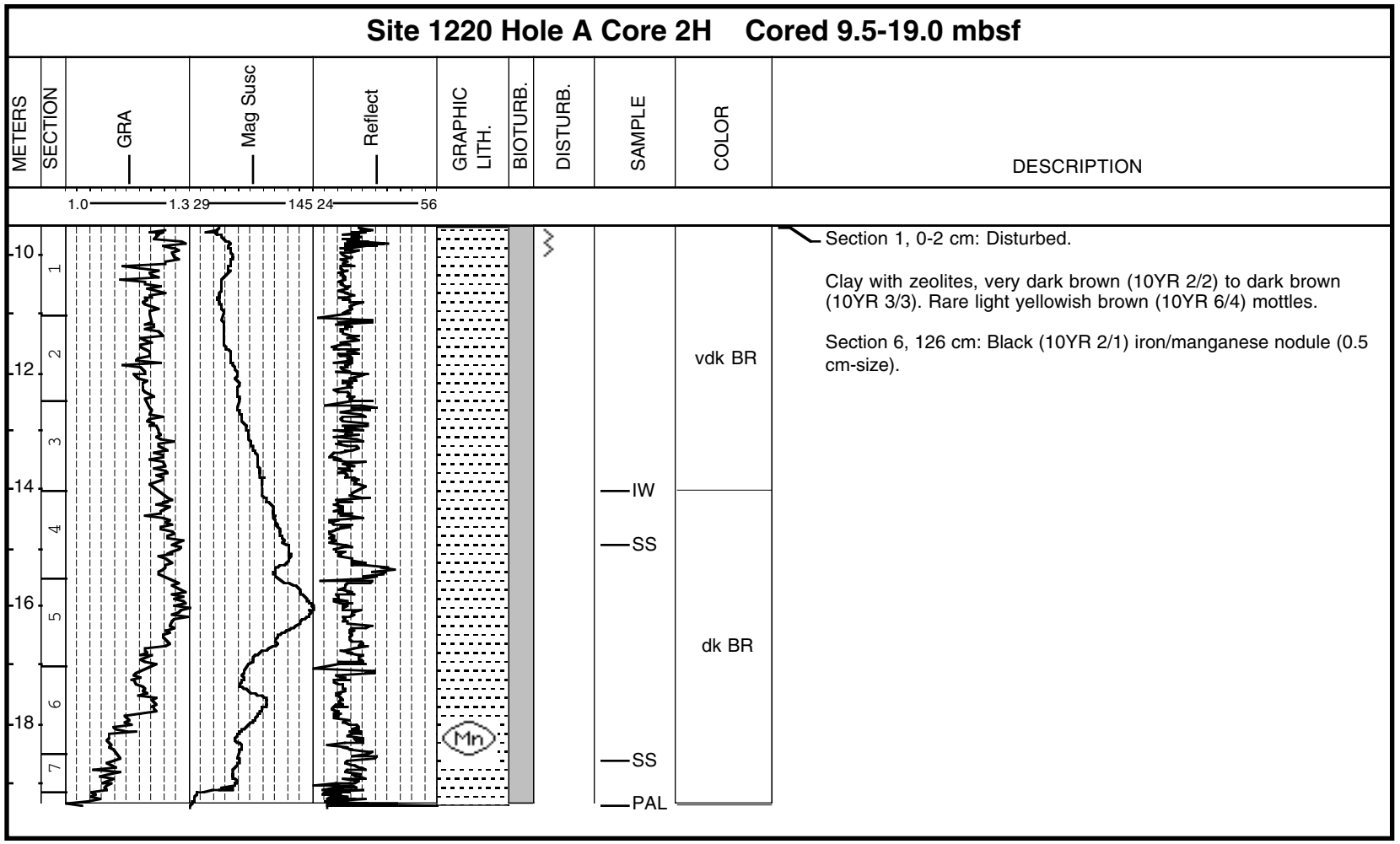
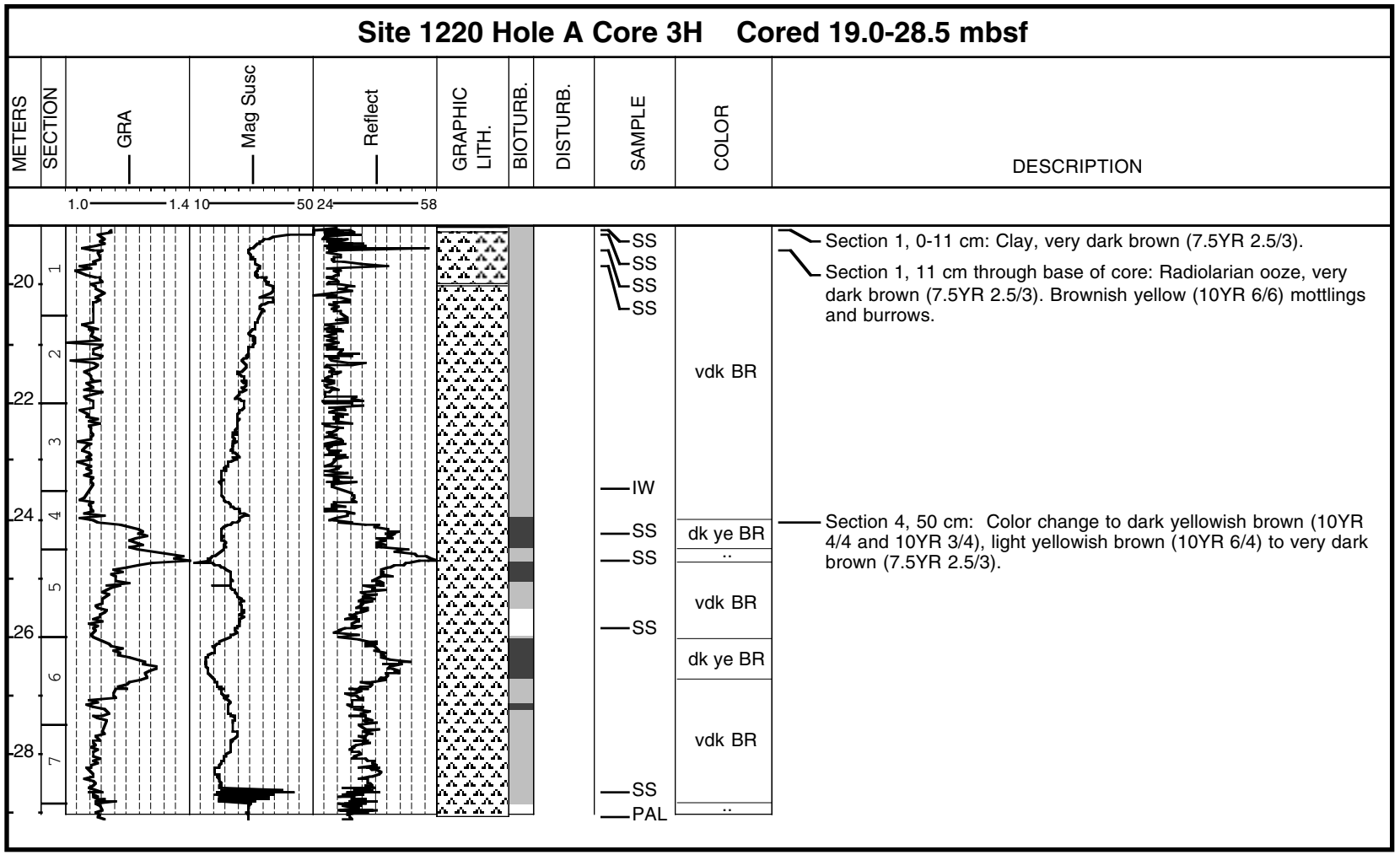
Core Photo


Site 1220 Hole A Core 1H Cored 0.0-9.5 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.1
1.3 24
79 32
60
dk gy BR
lt ye BR
lt ye BR
dk gy BR
lt ye BR
dk gy BR
dk gy BR
vdk gy BR
SS
IW
SS
PAL
SS
Section 1, 0-10 cm: Slightly disturbed.
Clay with zeolites, dark grayish brown, very dark grayish brown and light yellowish brown (10YR 4/2, 10YR 3/2 and 10YR 6/4).
Slight mottling in pale layers. Strongly mottled in darker clays.
Section 4, 65-80 cm: Chondrites trace fossils.

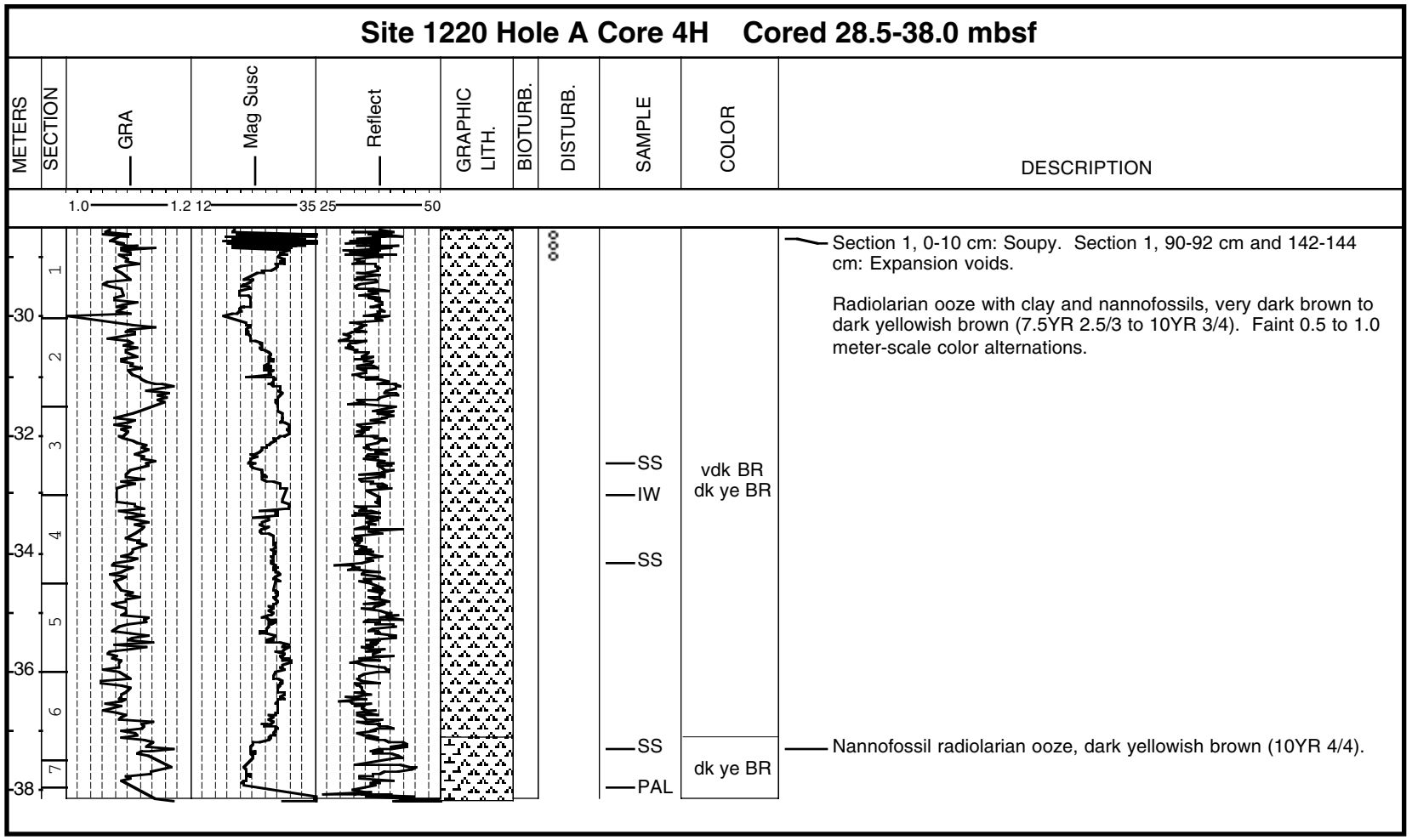
Core Photo


Site 1220 Hole A Core 2H Cored 9.5-19.0 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.3
29
145
24
56
10
12
14
16
18
1
2
3
4
5
6
7
Mn
IW
SS
SS
PAL
vdk BR
dk BR
Section 1, 0-2 cm: Disturbed.
Clay with zeolites, very dark brown (10YR 2/2) to dark brown (10YR 3/3). Rare light yellowish brown (10YR 6/4) mottles.
Section 6, 126 cm: Black (10YR 2/1) iron/manganese nodule (0.5 cm-size).

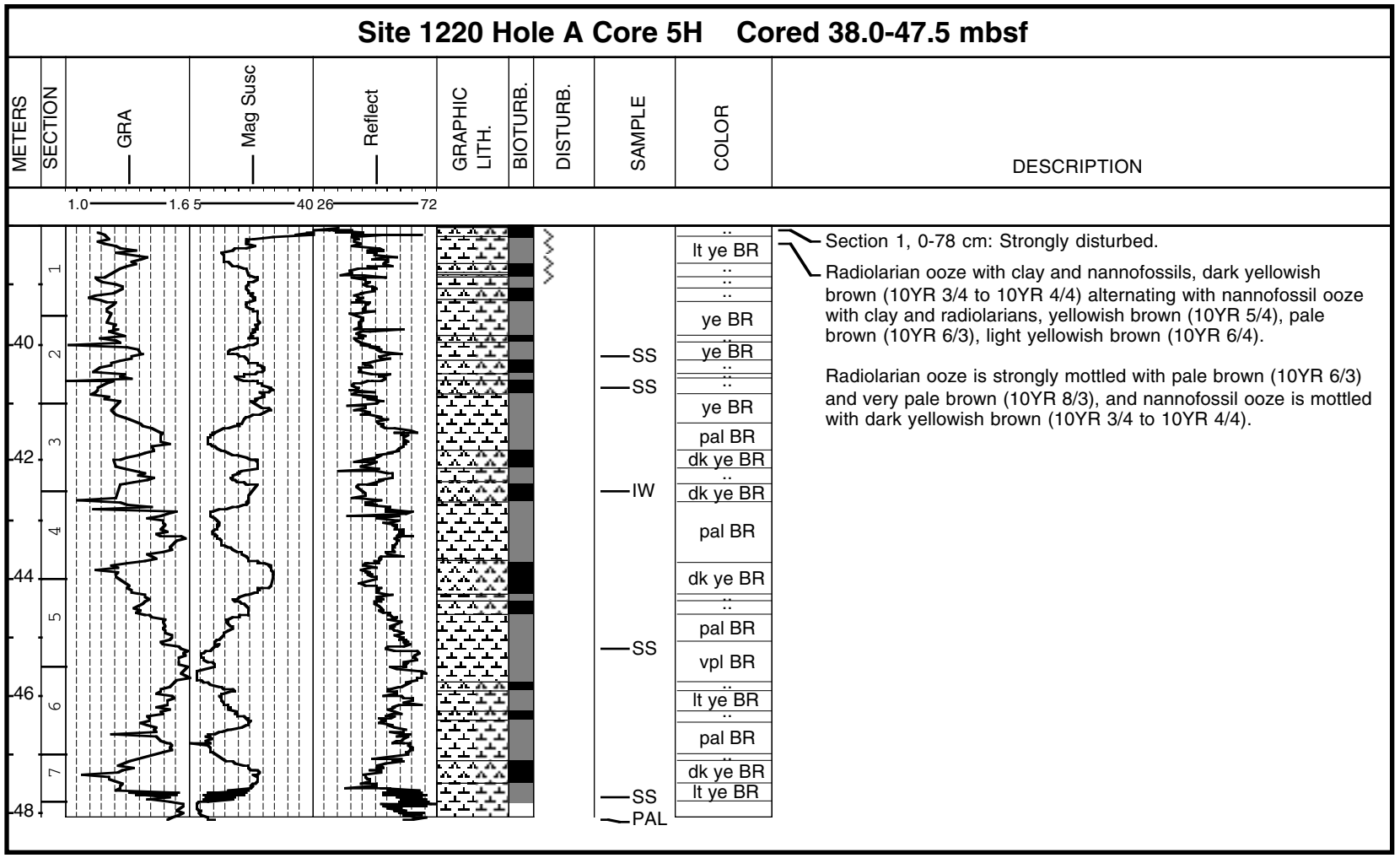
Core Photo


Site 1220 Hole A Core 3H Cored 19.0-28.5 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.4
10
50
24
58
20
22
24
26
28
1
2
3
4
5
6
7
SS
SS
SS
SS
IW
SS
SS
SS
SS
PAL
vdk BR
dk ye BR
vdk BR
dk ye BR
vdk BR
Section 1, 0-11 cm: Clay, very dark brown (7.5YR 2.5/3).
Section 1, 11 cm through base of core: Radiolarian ooze, very dark brown (7.5YR 2.5/3). Brownish yellow (10YR 6/6) mottlings and burrows.
Section 4, 50 cm: Color change to dark yellowish brown (10YR 4/4 and 10YR 3/4), light yellowish brown (10YR 6/4) to very dark brown (7.5YR 2.5/3).

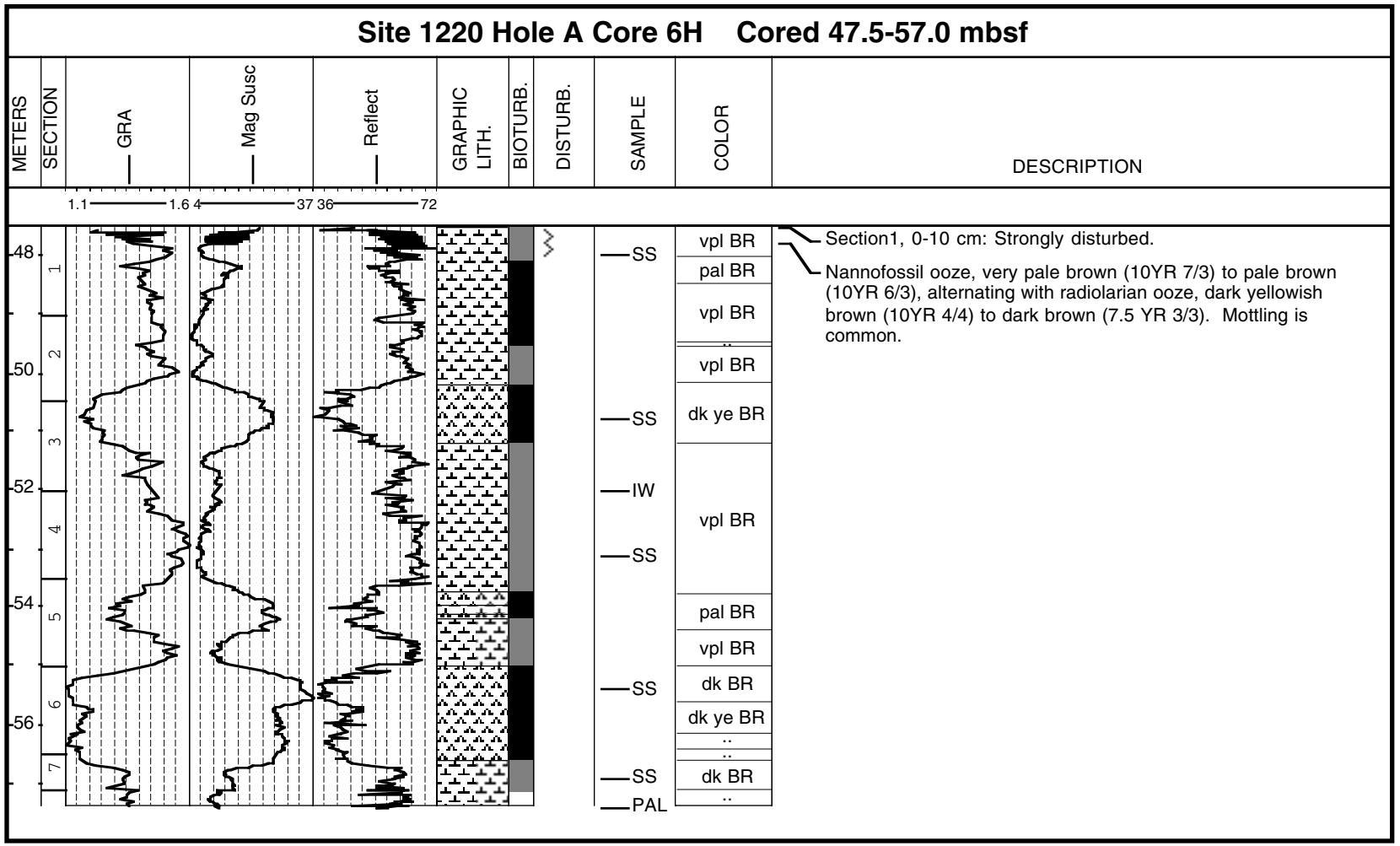
Core Photo


Site 1220 Hole A Core 4H Cored 28.5-38.0 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.2
12
35
25
50
30
32
34
36
38
1
2
3
4
5
6
7
SS
IW
SS
SS
PAL
vdk BR
dk ye BR
dk ye BR
Section 1, 0-10 cm: Soupy. Section 1, 90-92 cm and 142-144 cm: Expansion voids.
Radiolarian ooze with clay and nannofossils, very dark brown to dark yellowish brown (7.5YR 2.5/3 to 10YR 3/4). Faint 0.5 to 1.0 meter-scale color alternations.
Nannofossil radiolarian ooze, dark yellowish brown (10YR 4/4).

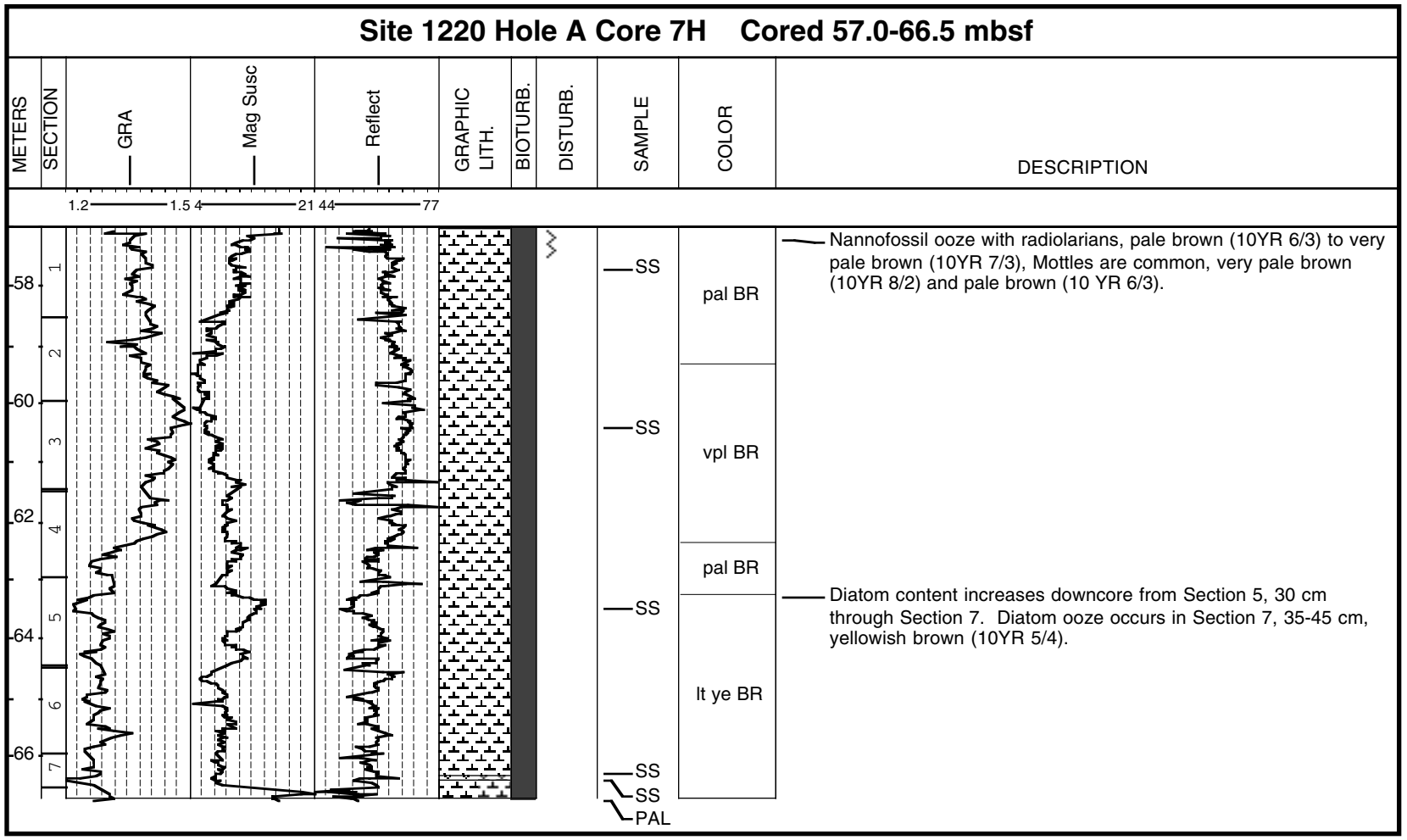
Core Photo


Site 1220 Hole A Core 5H Cored 38.0-47.5 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.6
5
40
26
72
40
42
44
46
48
1
2
3
4
5
6
7
SS
SS
IW
SS
SS
PAL
lt ye BR
ye BR
ye BR
ye BR
pal BR
dk ye BR
dk ye BR
pal BR
dk ye BR
pal BR
vpl BR
lt ye BR
pal BR
dk ye BR
lt ye BR
Section 1, 0-78 cm: Strongly disturbed.
Radiolarian ooze with clay and nannofossils, dark yellowish brown (10YR 3/4 to 10YR 4/4) alternating with nannofossil ooze with clay and radiolarians, yellowish brown (10YR 5/4), pale brown (10YR 6/3), light yellowish brown (10YR 6/4).
Radiolarian ooze is strongly mottled with pale brown (10YR 6/3) and very pale brown (10YR 8/3), and nannofossil ooze is mottled with dark yellowish brown (10YR 3/4 to 10YR 4/4).

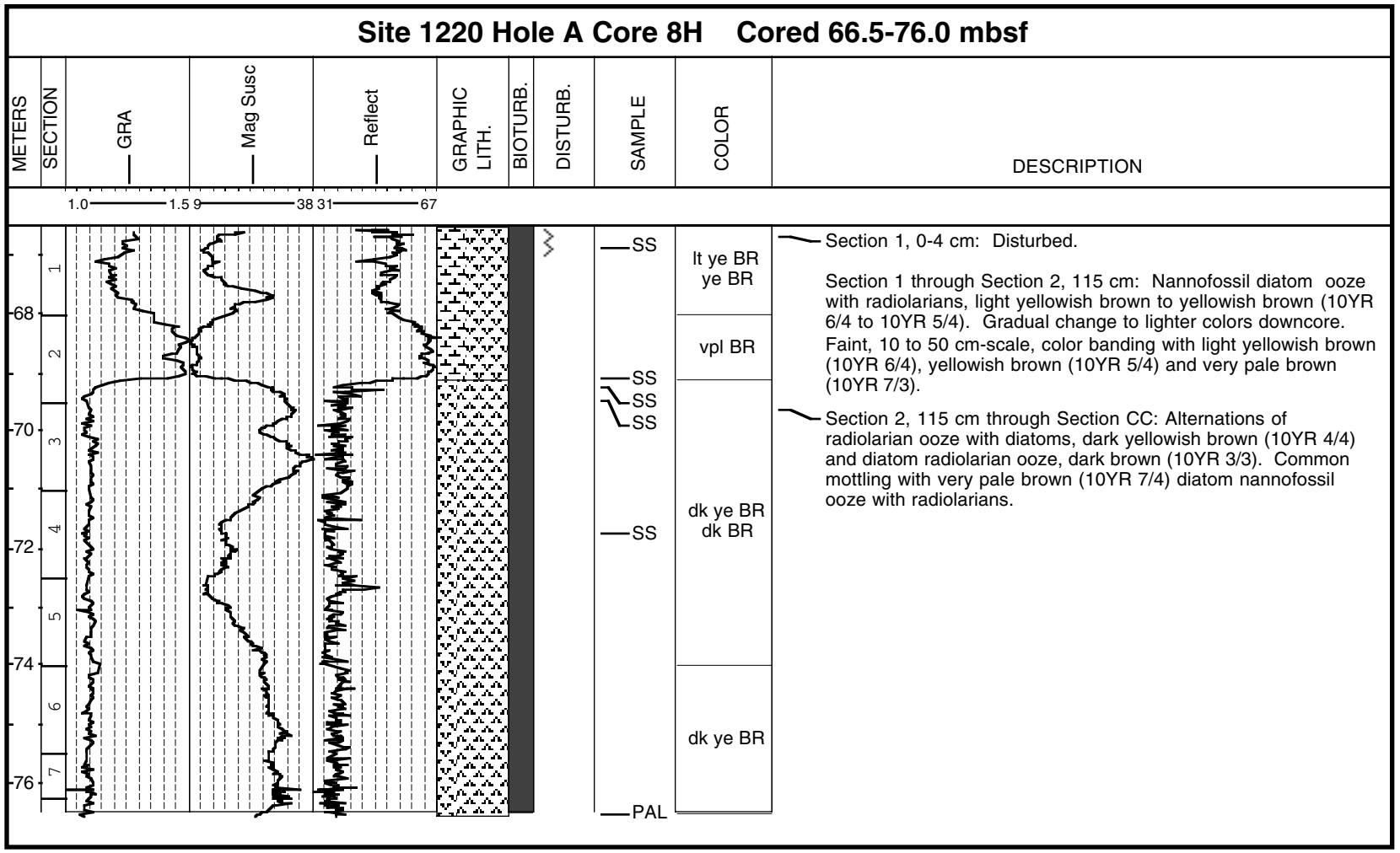
Core Photo


Site 1220 Hole A Core 6H Cored 47.5-57.0 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.1
1.6
4
37
36
72
48
50
52
54
56
1
2
3
4
5
6
7
SS
SS
IW
SS
SS
SS
PAL
vpl BR
pal BR
vpl BR
vpl BR
dk ye BR
vpl BR
pal BR
vpl BR
dk BR
dk ye BR
dk BR
Section1, 0-10 cm: Strongly disturbed.
Nannofossil ooze, very pale brown (10YR 7/3) to pale brown (10YR 6/3), alternating with radiolarian ooze, dark yellowish brown (10YR 4/4) to dark brown (7.5 YR 3/3). Mottling is common.

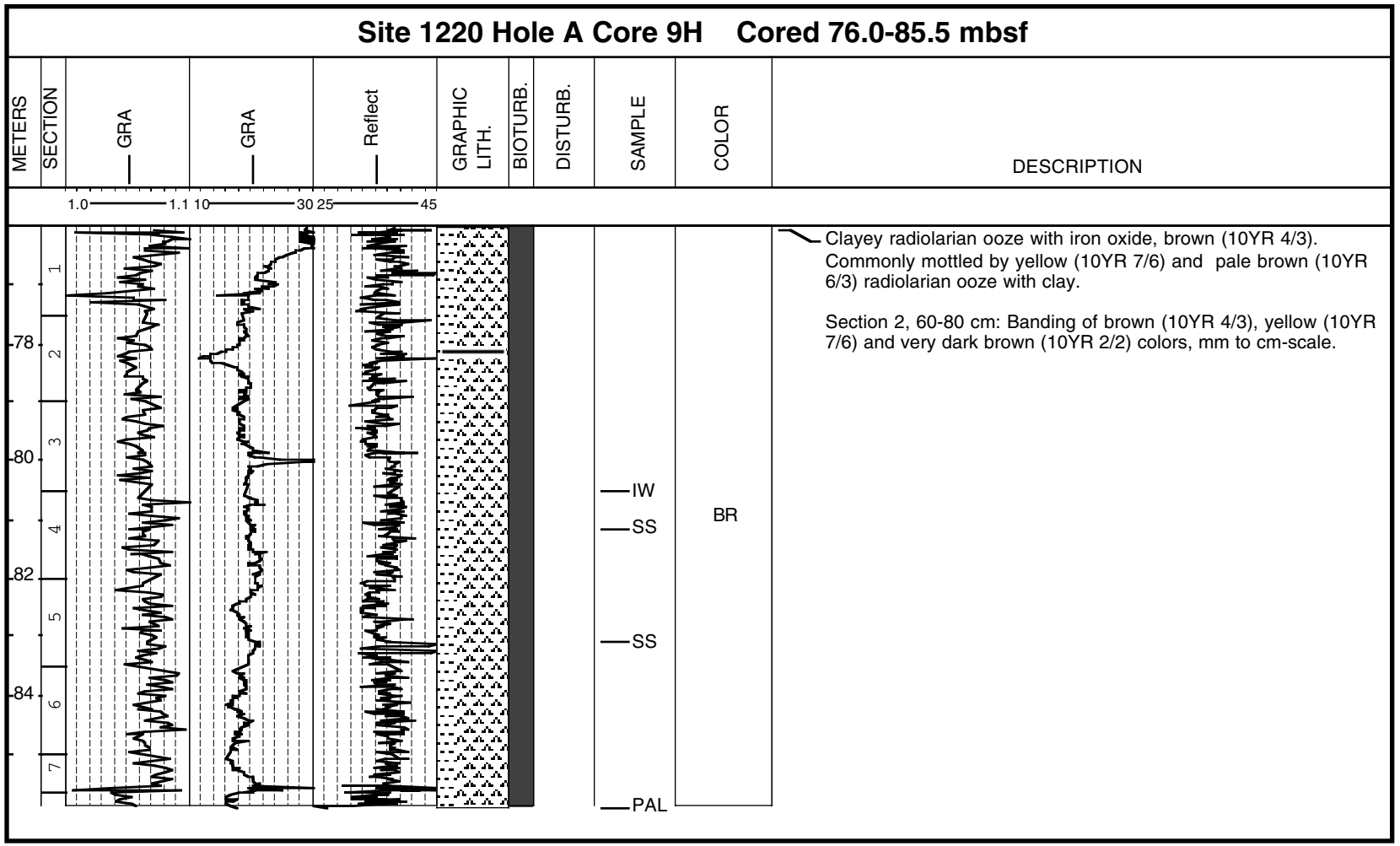
Core Photo


Site 1220 Hole A Core 7H Cored 57.0-66.5 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.2
1.5
4
21
44
77
58
60
62
64
66
1
2
3
4
5
6
7
SS
SS
SS
SS
SS
PAL
pal BR
vpl BR
pal BR
lt ye BR
Nannofossil ooze with radiolarians, pale brown (10YR 6/3) to very pale brown (10YR 7/3), Mottles are common, very pale brown (10YR 8/2) and pale brown (10 YR 6/3).
Diatom content increases downcore from Section 5, 30 cm through Section 7. Diatom ooze occurs in Section 7, 35-45 cm, yellowish brown (10YR 5/4).

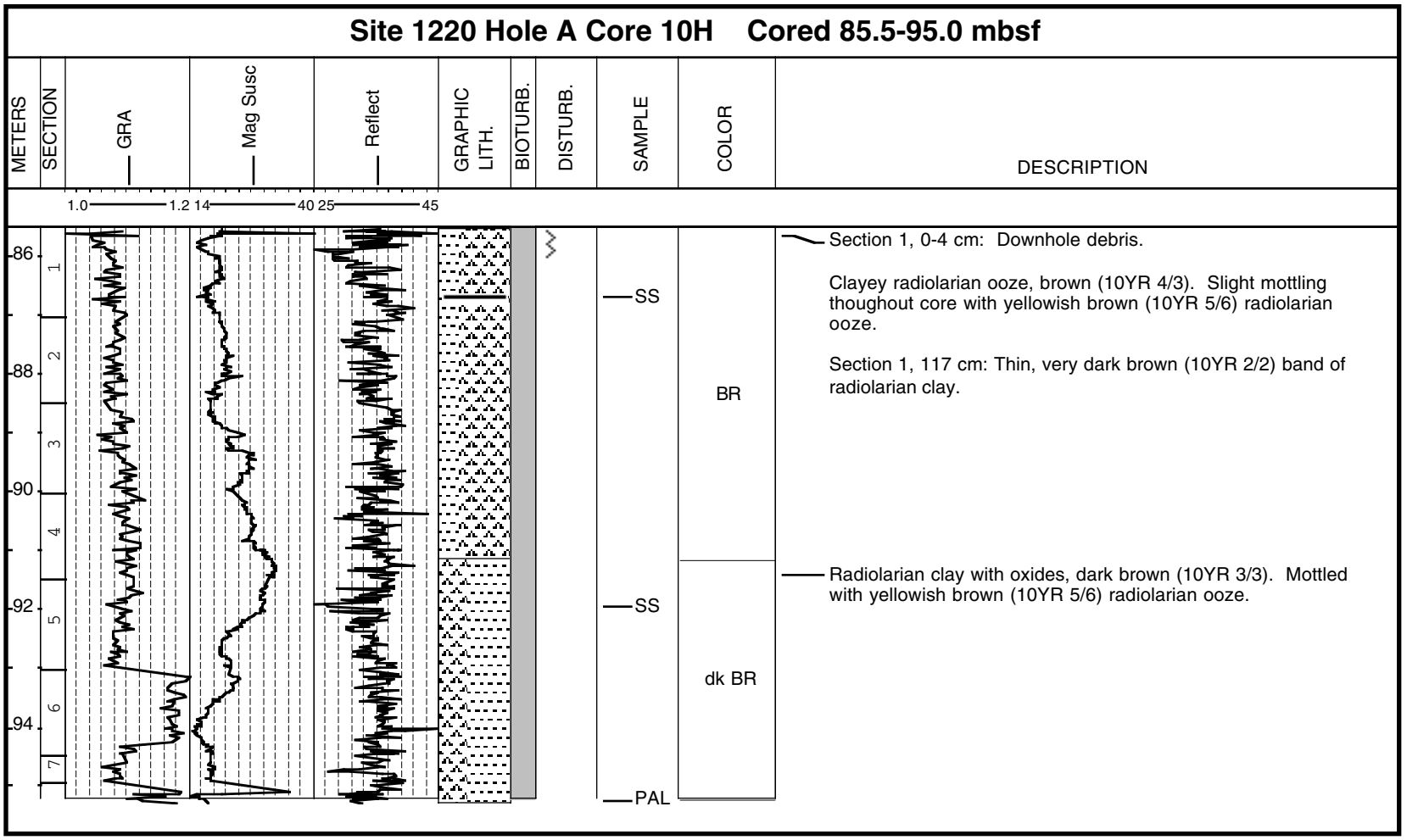
Core Photo


Site 1220 Hole A Core 8H Cored 66.5-76.0 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.5
9
38
31
67
68
70
72
74
76
1
2
3
4
5
6
7
SS
SS
SS
SS
SS
PAL
lt ye BR
ye BR
vpl BR
dk ye BR
dk BR
dk ye BR
Section 1, 0-4 cm: Disturbed.
Section 1 through Section 2, 115 cm: Nannofossil diatom ooze with radiolarians, light yellowish brown to yellowish brown (10YR 6/4 to 10YR 5/4). Gradual change to lighter colors downcore. Faint, 10 to 50 cm-scale, color banding with light yellowish brown (10YR 6/4), yellowish brown (10YR 5/4) and very pale brown (10YR 7/3).
Section 2, 115 cm through Section CC: Alternations of radiolarian ooze with diatoms, dark yellowish brown (10YR 4/4) and diatom radiolarian ooze, dark brown (10YR 3/3). Common mottling with very pale brown (10YR 7/4) diatom nannofossil ooze with radiolarians.

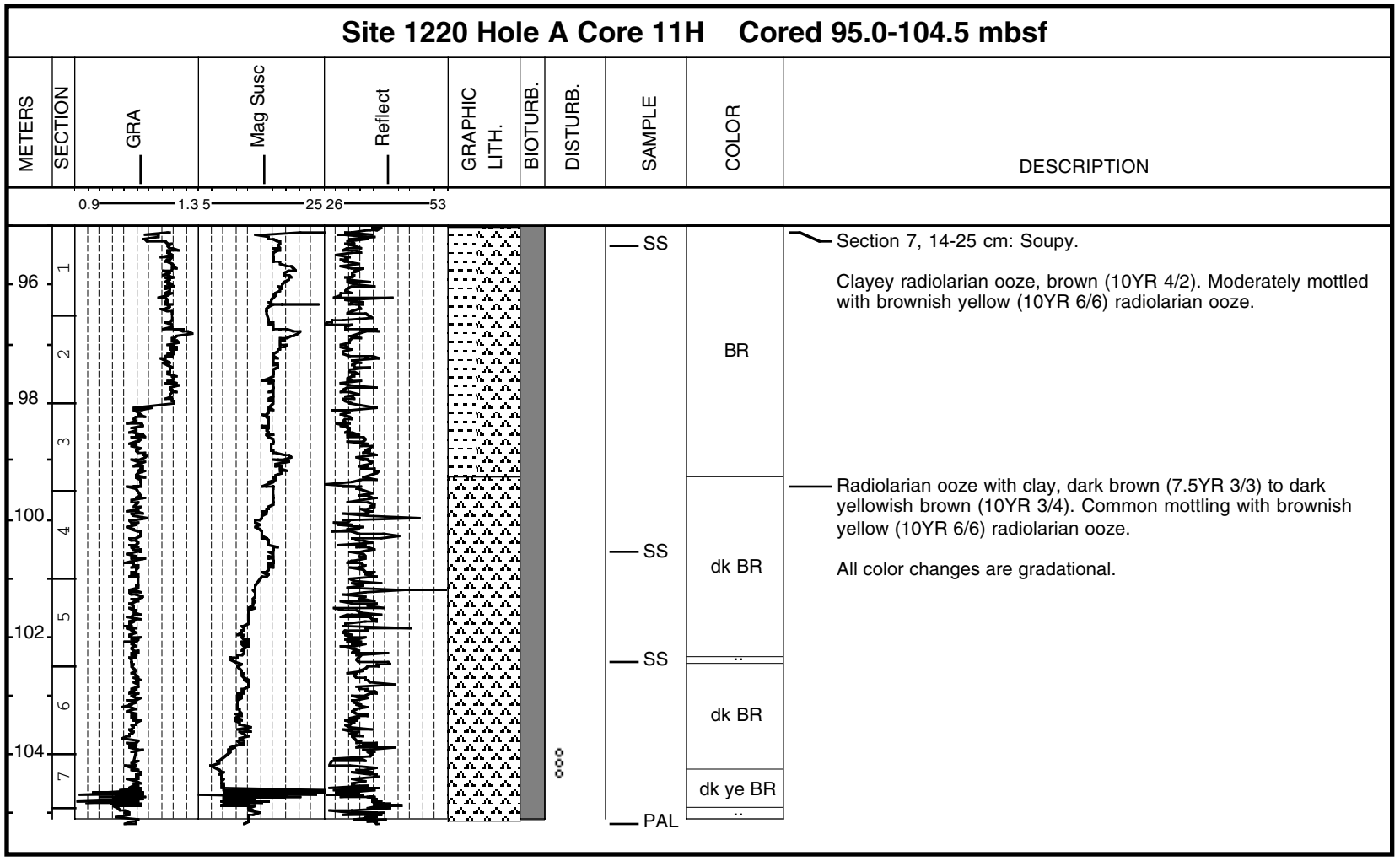
Core Photo


Site 1220 Hole A Core 9H Cored 76.0-85.5 mbsf
METERS
SECTION
GRA
GRA
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.1
10
30
25
45
78
80
82
84
1
2
3
4
5
6
7
IW
SS
SS
PAL
BR
Clayey radiolarian ooze with iron oxide, brown (10YR 4/3). Commonly mottled by yellow (10YR 7/6) and pale brown (10YR 6/3) radiolarian ooze with clay.
Section 2, 60-80 cm: Banding of brown (10YR 4/3), yellow (10YR 7/6) and very dark brown (10YR 2/2) colors, mm to cm-scale.

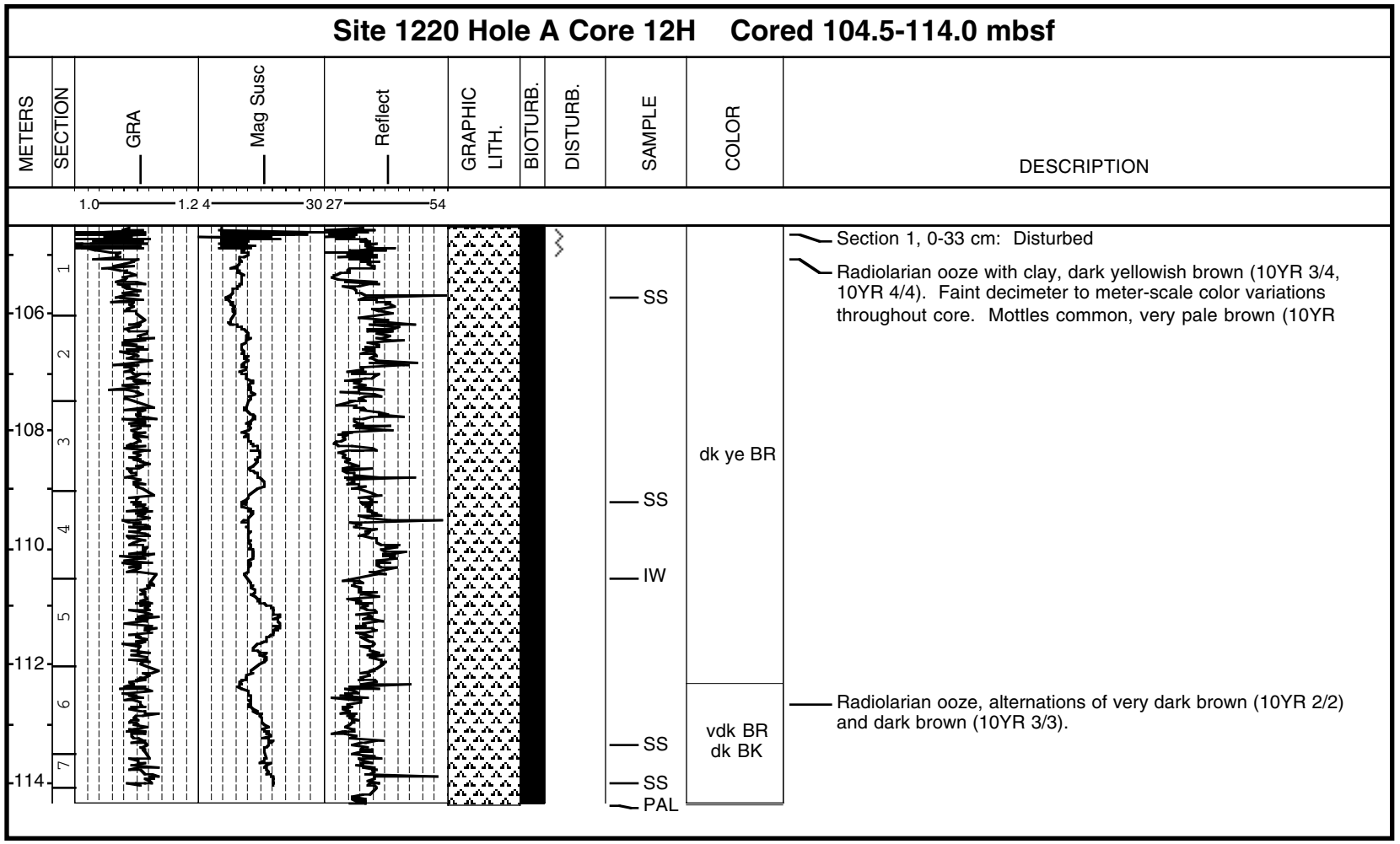
Core Photo


Site 1220 Hole A Core 10H Cored 85.5-95.0 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.2
14
40
25
45
86
88
90
92
94
1
2
3
4
5
6
7
SS
SS
PAL
BR
dk BR
Section 1, 0-4 cm: Downhole debris.
Clayey radiolarian ooze, brown (10YR 4/3). Slight mottling thoughout core with yellowish brown (10YR 5/6) radiolarian ooze.
Section 1, 117 cm: Thin, very dark brown (10YR 2/2) band of radiolarian clay.
Radiolarian clay with oxides, dark brown (10YR 3/3). Mottled with yellowish brown (10YR 5/6) radiolarian ooze.

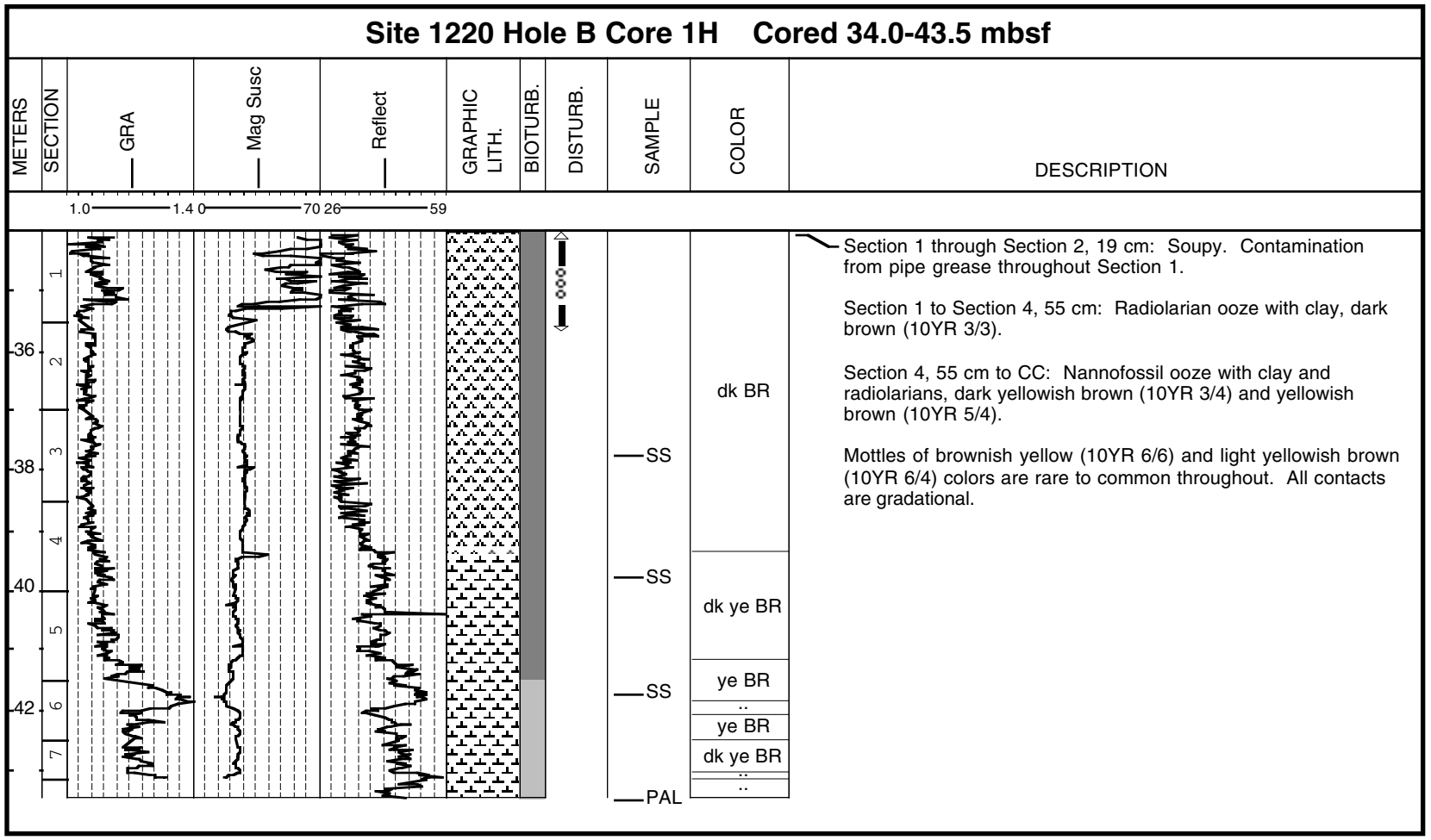
Core Photo


Site 1220 Hole A Core 11H Cored 95.0-104.5 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
0.9
1.3
5
25
26
53
96
98
100
102
104
1
2
3
4
5
6
7
SS
SS
SS
PAL
BR
dk BR
dk BR
dk ye BR
Section 7, 14-25 cm: Soupy.
Clayey radiolarian ooze, brown (10YR 4/2). Moderately mottled with brownish yellow (10YR 6/6) radiolarian ooze.
Radiolarian ooze with clay, dark brown (7.5YR 3/3) to dark yellowish brown (10YR 3/4). Common mottling with brownish yellow (10YR 6/6) radiolarian ooze.
All color changes are gradational.

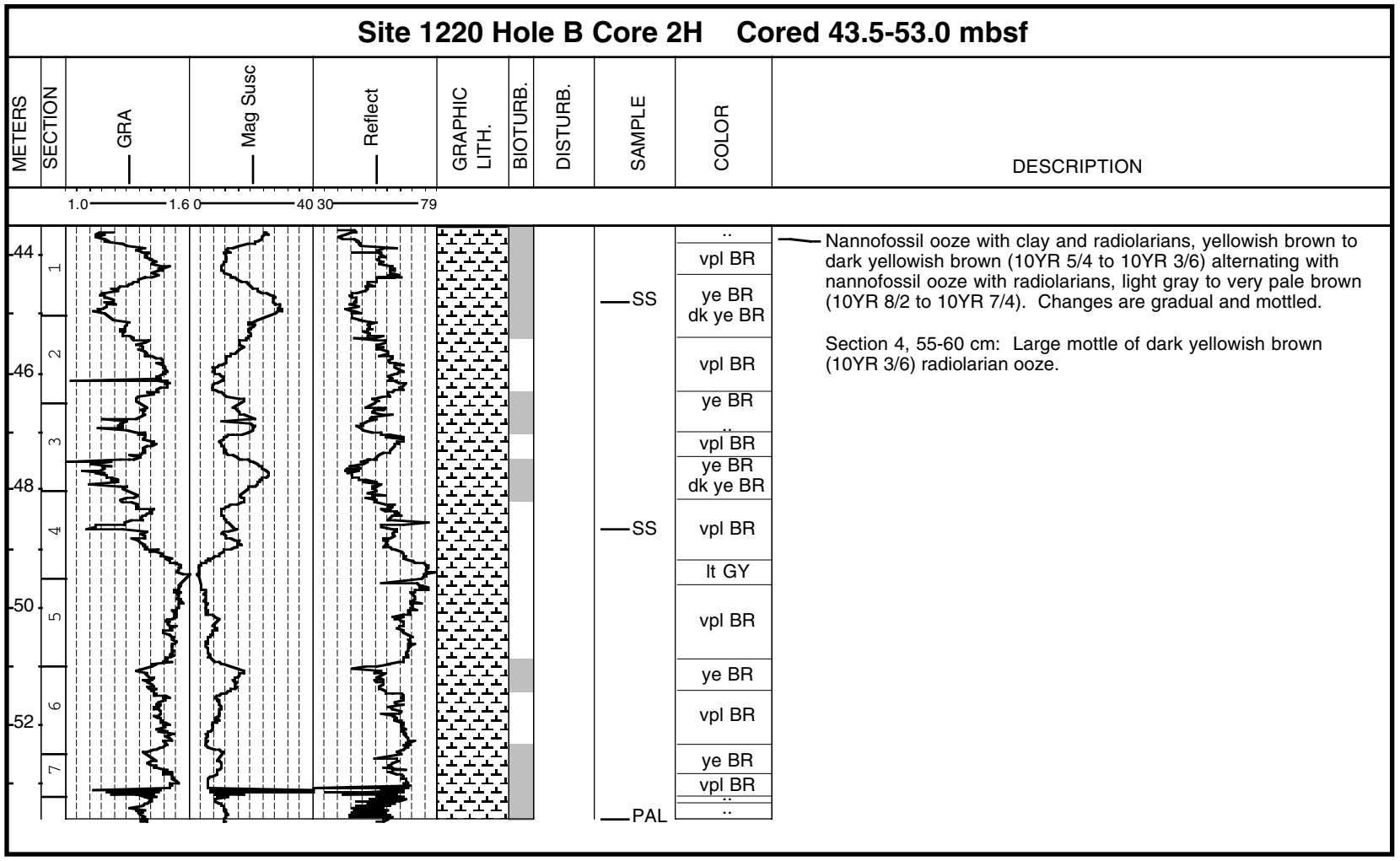
Core Photo


Site 1220 Hole A Core 12H Cored 104.5-114.0 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.2 4
30 27
54
106
108
110
112
114
1
2
3
4
5
6
7
SS
SS
IW
SS
SS
PAL
dk ye BR
vdk BR
dk BK
Section 1, 0-33 cm: Disturbed
Radiolarian ooze with clay, dark yellowish brown (10YR 3/4, 10YR 4/4). Faint decimeter to meter-scale color variations throughout core. Mottles common, very pale brown (10YR
Radiolarian ooze, alternations of very dark brown (10YR 2/2) and dark brown (10YR 3/3).

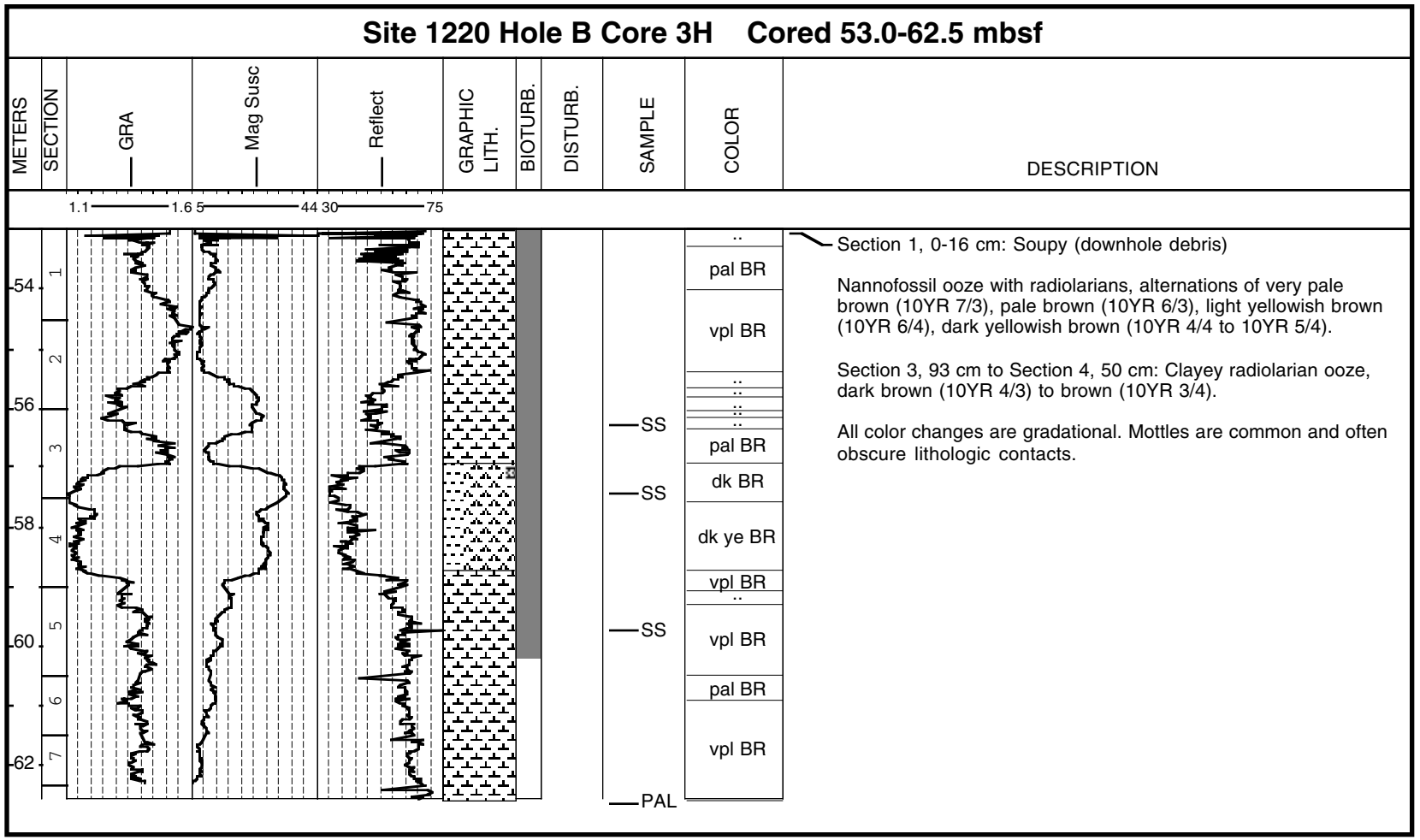
Core Photo


Site 1220 Hole B Core 1H Cored 34.0-43.5 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.4
0
70
26
59
36
38
40
42
1
2
3
4
5
6
7
SS
SS
SS
PAL
dk BR
dk ye BR
ye BR
ye BR
dk ye BR
Section 1 through Section 2, 19 cm: Soupy. Contamination from pipe grease throughout Section 1.
Section 1 to Section 4, 55 cm: Radiolarian ooze with clay, dark brown (10YR 3/3).
Section 4, 55 cm to CC: Nannofossil ooze with clay and radiolarians, dark yellowish brown (10YR 3/4) and yellowish brown (10YR 5/4).
Mottles of brownish yellow (10YR 6/6) and light yellowish brown (10YR 6/4) colors are rare to common throughout. All contacts are gradational.

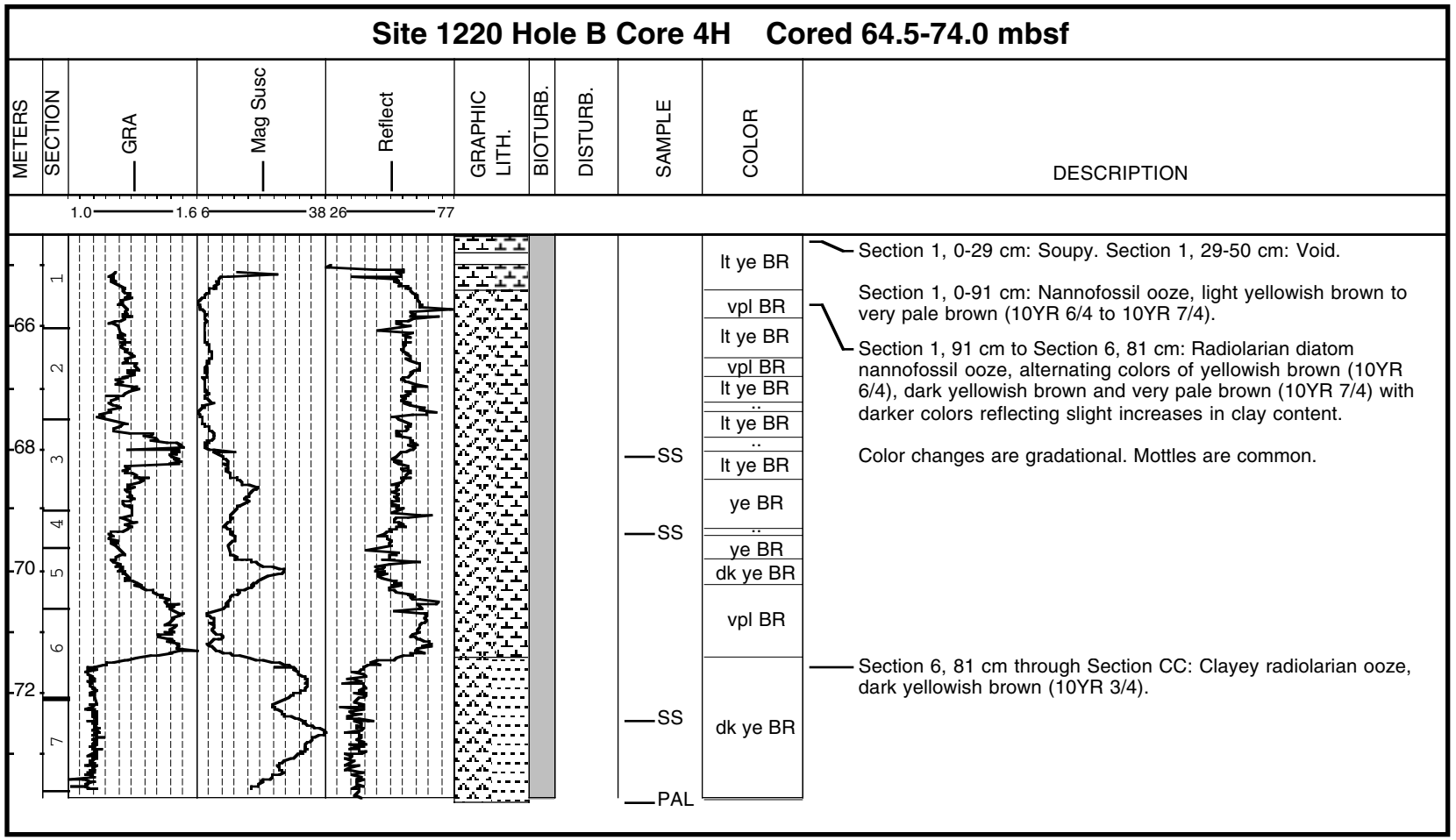
Core Photo


Site 1220 Hole B Core 2H Cored 43.5-53.0 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.6
0
40
30
79
44
46
48
50
52
1
2
3
4
5
6
7
SS
SS
PAL
vpl BR
ye BR
dk ye BR
vpl BR
ye BR
vpl BR
ye BR
dk ye BR
vpl BR
lt GY
vpl BR
ye BR
vpl BR
ye BR
vpl BR
Nannofossil ooze with clay and radiolarians, yellowish brown to dark yellowish brown (10YR 5/4 to 10YR 3/6) alternating with nannofossil ooze with radiolarians, light gray to very pale brown (10YR 8/2 to 10YR 7/4). Changes are gradual and mottled.
Section 4, 55-60 cm: Large mottle of dark yellowish brown (10YR 3/6) radiolarian ooze.

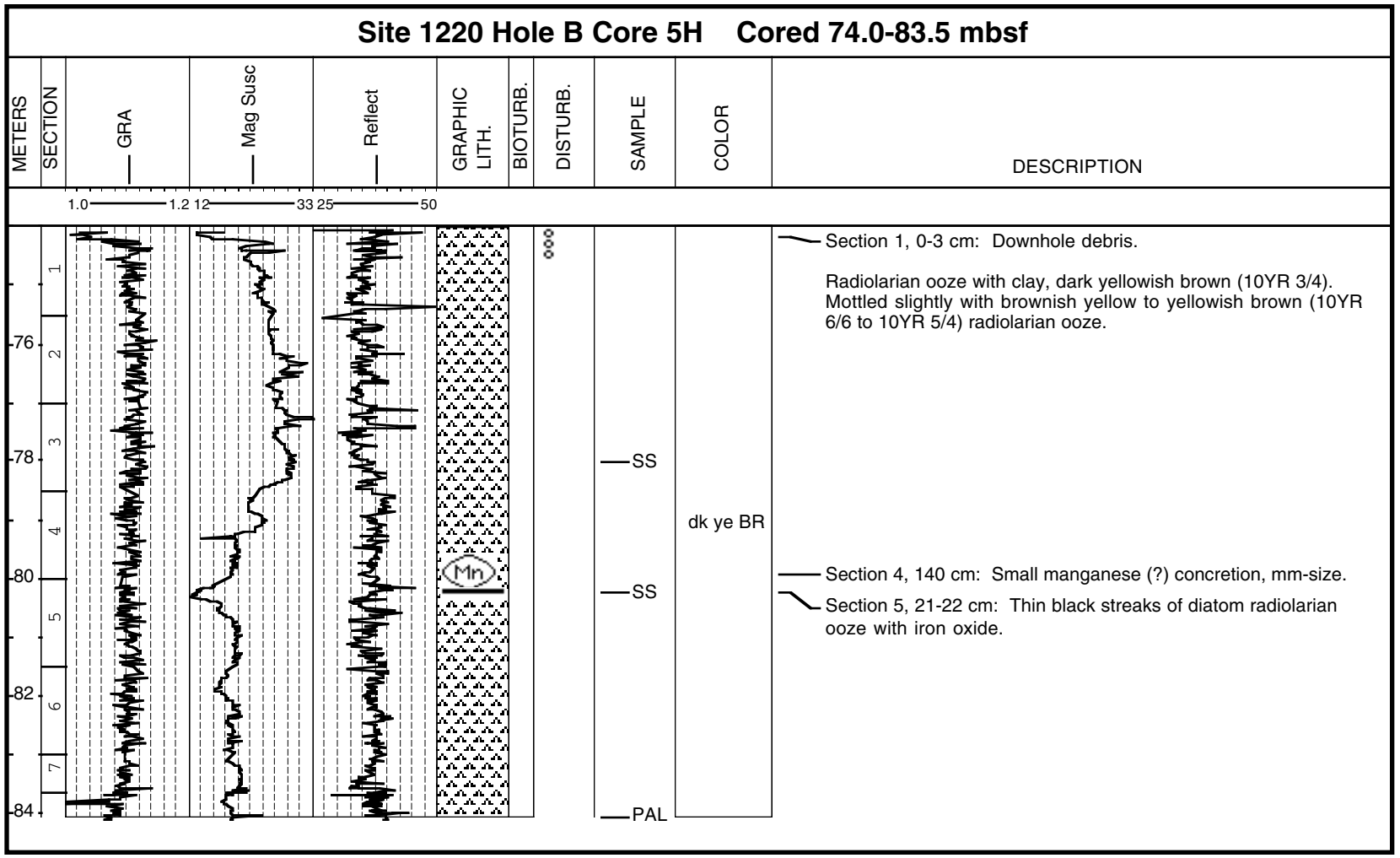
Core Photo


Site 1220 Hole B Core 3H Cored 53.0-62.5 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.1
1.6
5
44
30
75
54
56
58
60
62
1
2
3
4
5
6
7
SS
SS
SS
PAL
pal BR
vpl BR
pal BR
dk BR
dk ye BR
vpl BR
vpl BR
pal BR
vpl BR
Section 1, 0-16 cm: Soupy (downhole debris)
Nannofossil ooze with radiolarians, alternations of very pale brown (10YR 7/3), pale brown (10YR 6/3), light yellowish brown (10YR 6/4), dark yellowish brown (10YR 4/4 to 10YR 5/4).
Section 3, 93 cm to Section 4, 50 cm: Clayey radiolarian ooze, dark brown (10YR 4/3) to brown (10YR 3/4).
All color changes are gradational. Mottles are common and often obscure lithologic contacts.

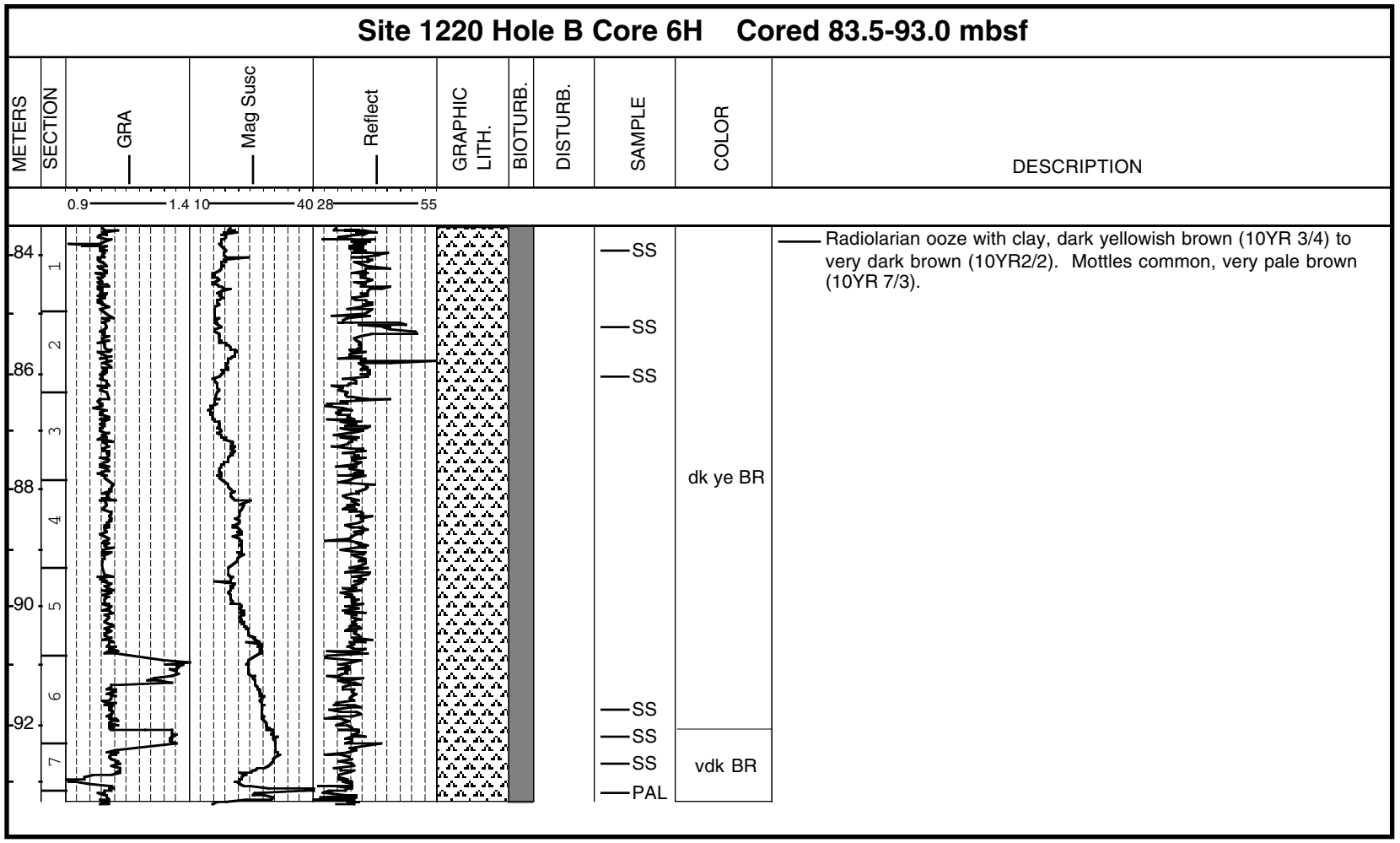
Core Photo


Site 1220 Hole B Core 4H Cored 64.5-74.0 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.6
6
38
26
77
66
68
70
72
1
2
3
4
5
6
7
SS
SS
SS
PAL
lt ye BR
vpl BR
lt ye BR
vpl BR
lt ye BR
lt ye BR
lt ye BR
ye BR
ye BR
dk ye BR
vpl BR
dk ye BR
Section 1, 0-29 cm: Soupy. Section 1, 29-50 cm: Void.
Section 1, 0-91 cm: Nannofossil ooze, light yellowish brown to very pale brown (10YR 6/4 to 10YR 7/4).
Section 1, 91 cm to Section 6, 81 cm: Radiolarian diatom nannofossil ooze, alternating colors of yellowish brown (10YR 6/4), dark yellowish brown and very pale brown (10YR 7/4) with darker colors reflecting slight increases in clay content.
Color changes are gradational. Mottles are common.
Section 6, 81 cm through Section CC: Clayey radiolarian ooze, dark yellowish brown (10YR 3/4).

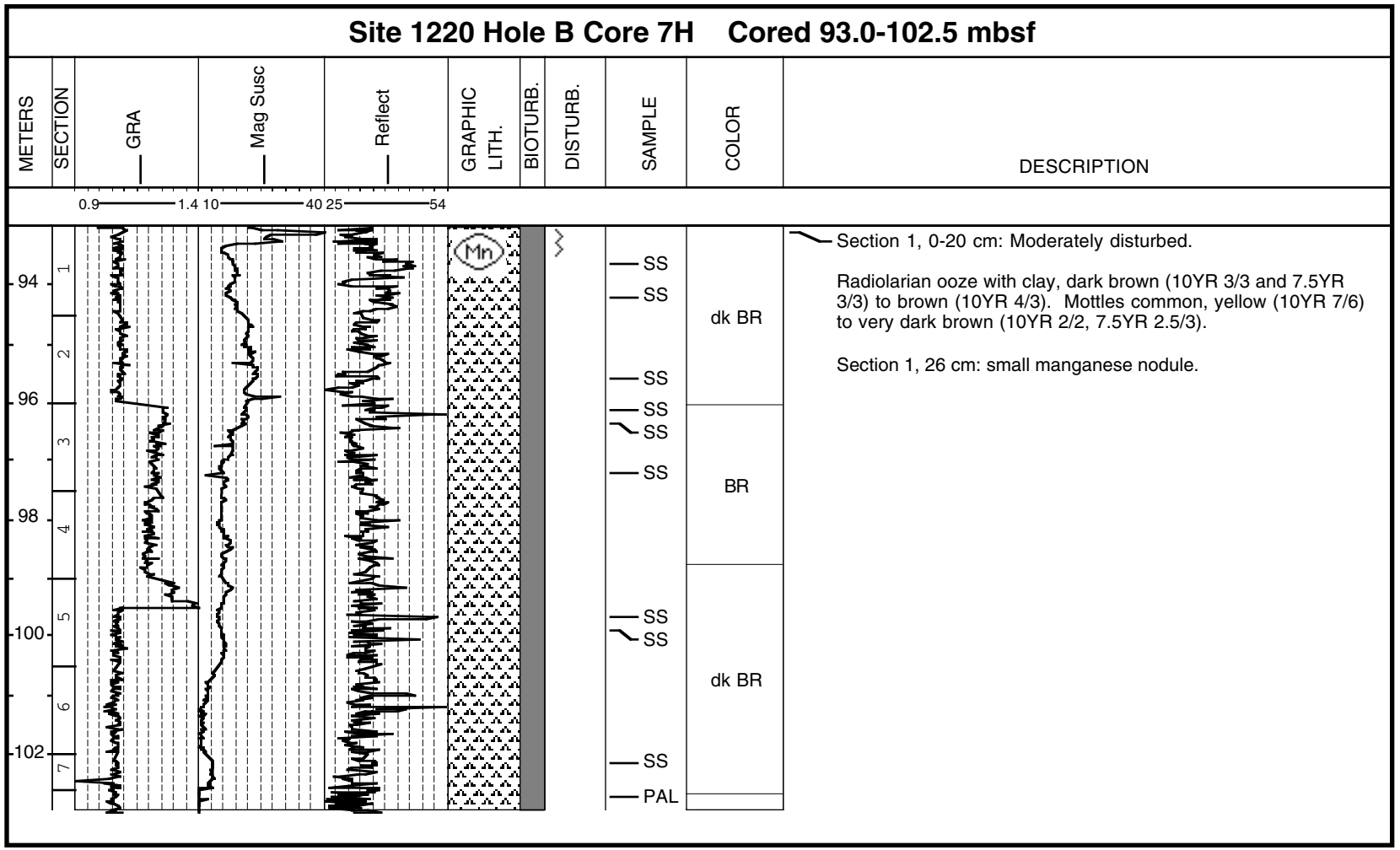
Core Photo


Site 1220 Hole B Core 5H Cored 74.0-83.5 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.2
12
33
25
50
76
78
80
82
84
1
2
3
4
5
6
7
Mn
SS
SS
PAL
dk ye BR
Section 1, 0-3 cm: Downhole debris.
Radiolarian ooze with clay, dark yellowish brown (10YR 3/4). Mottled slightly with brownish yellow to yellowish brown (10YR 6/6 to 10YR 5/4) radiolarian ooze.
Section 4, 140 cm: Small manganese (?) concretion, mm-size.
Section 5, 21-22 cm: Thin black streaks of diatom radiolarian ooze with iron oxide.

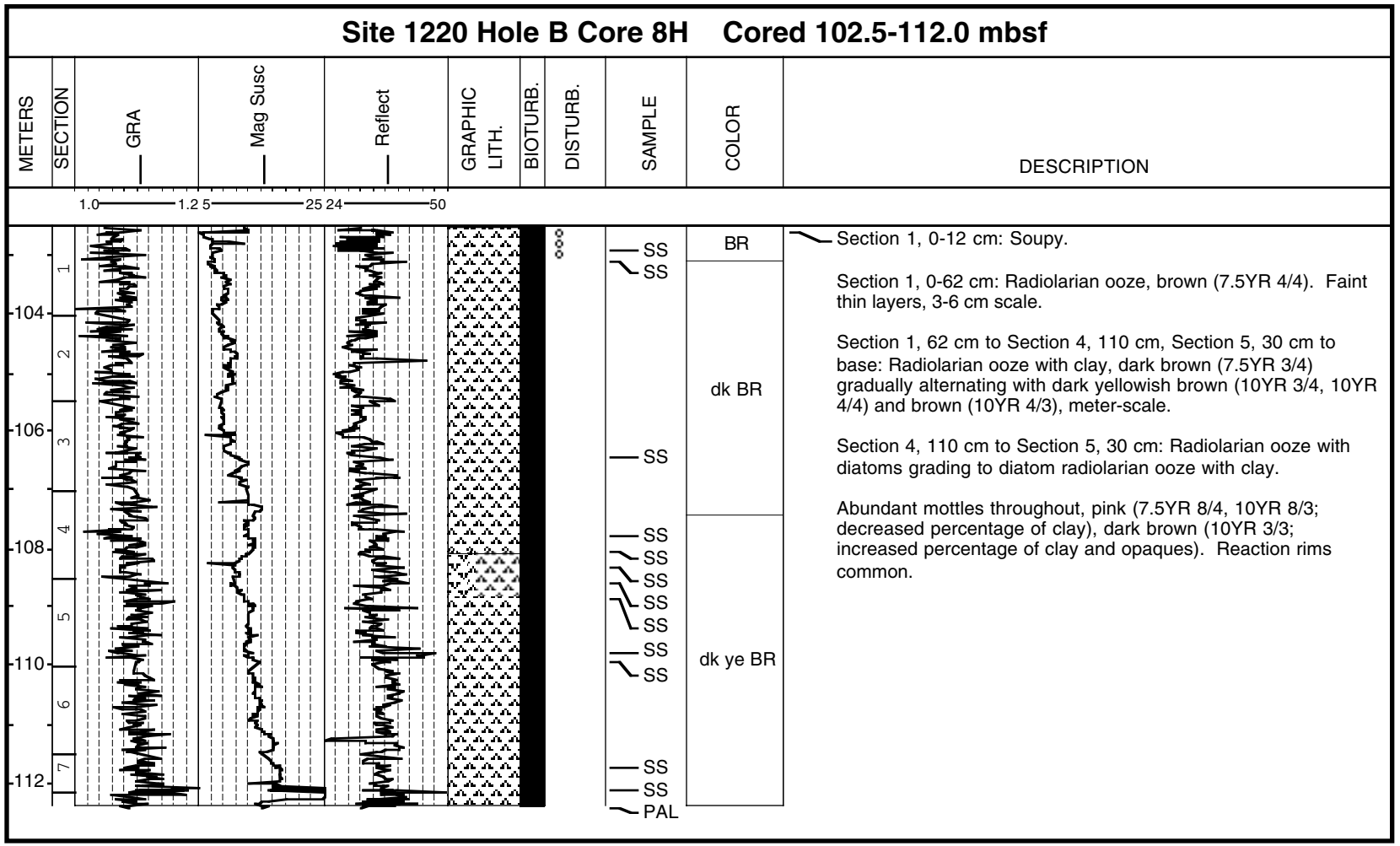
Core Photo


Site 1220 Hole B Core 6H Cored 83.5-93.0 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
0.9
1.4
10
40
28
55
84
86
88
90
92
1
2
3
4
5
6
7
SS
SS
SS
SS
SS
SS
PAL
dk ye BR
vdk BR
Radiolarian ooze with clay, dark yellowish brown (10YR 3/4) to very dark brown (10YR2/2). Mottles common, very pale brown (10YR 7/3).

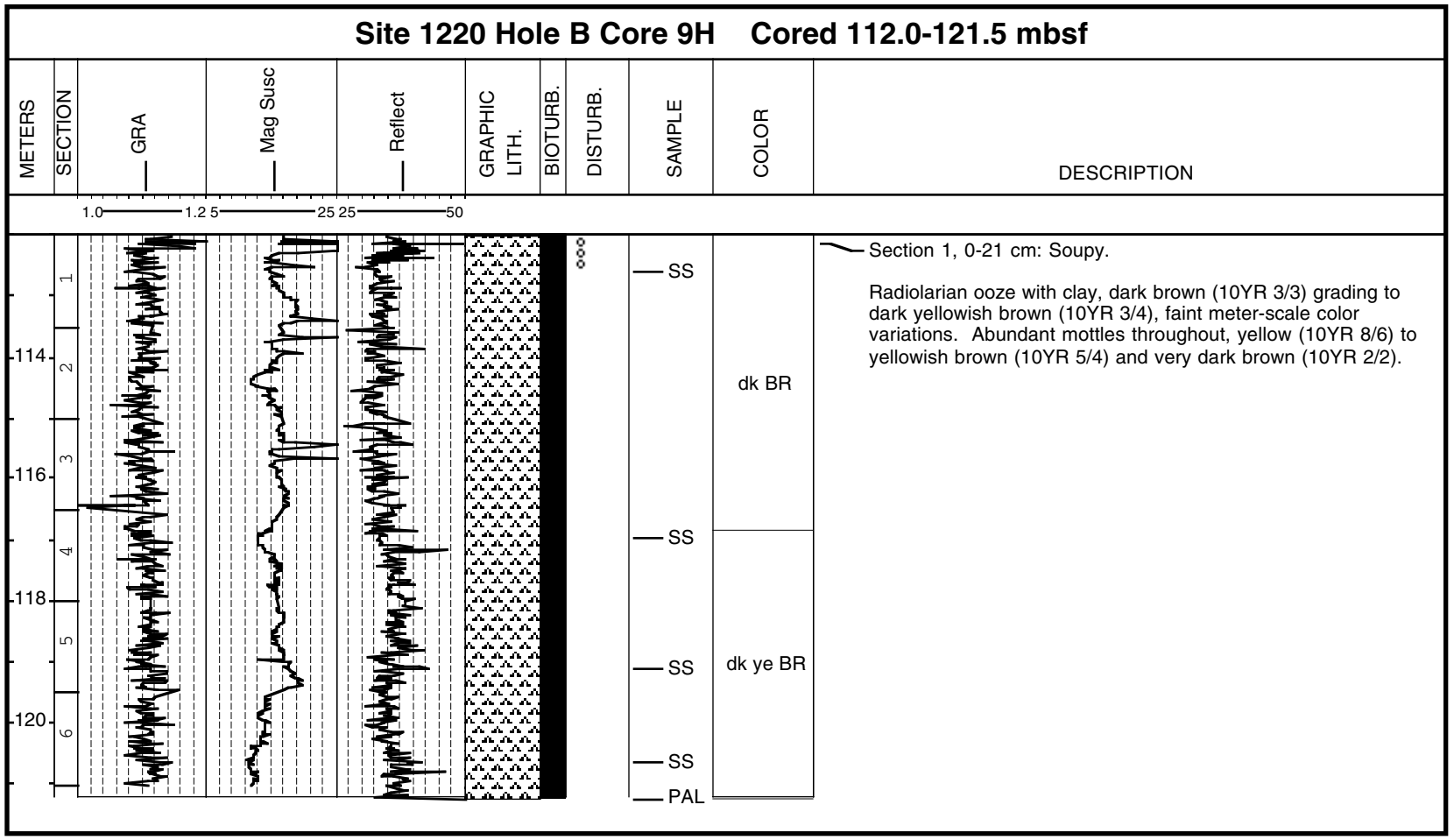
Core Photo


Site 1220 Hole B Core 7H Cored 93.0-102.5 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
0.9
1.4
10
40
25
54
94
96
98
100
102
1
2
3
4
5
6
7
Mn
SS
SS
SS
SS
SS
SS
SS
SS
SS
PAL
dk BR
BR
dk BR
Section 1, 0-20 cm: Moderately disturbed.
Radiolarian ooze with clay, dark brown (10YR 3/3 and 7.5YR 3/3) to brown (10YR 4/3). Mottles common, yellow (10YR 7/6) to very dark brown (10YR 2/2, 7.5YR 2.5/3).
Section 1, 26 cm: small manganese nodule.

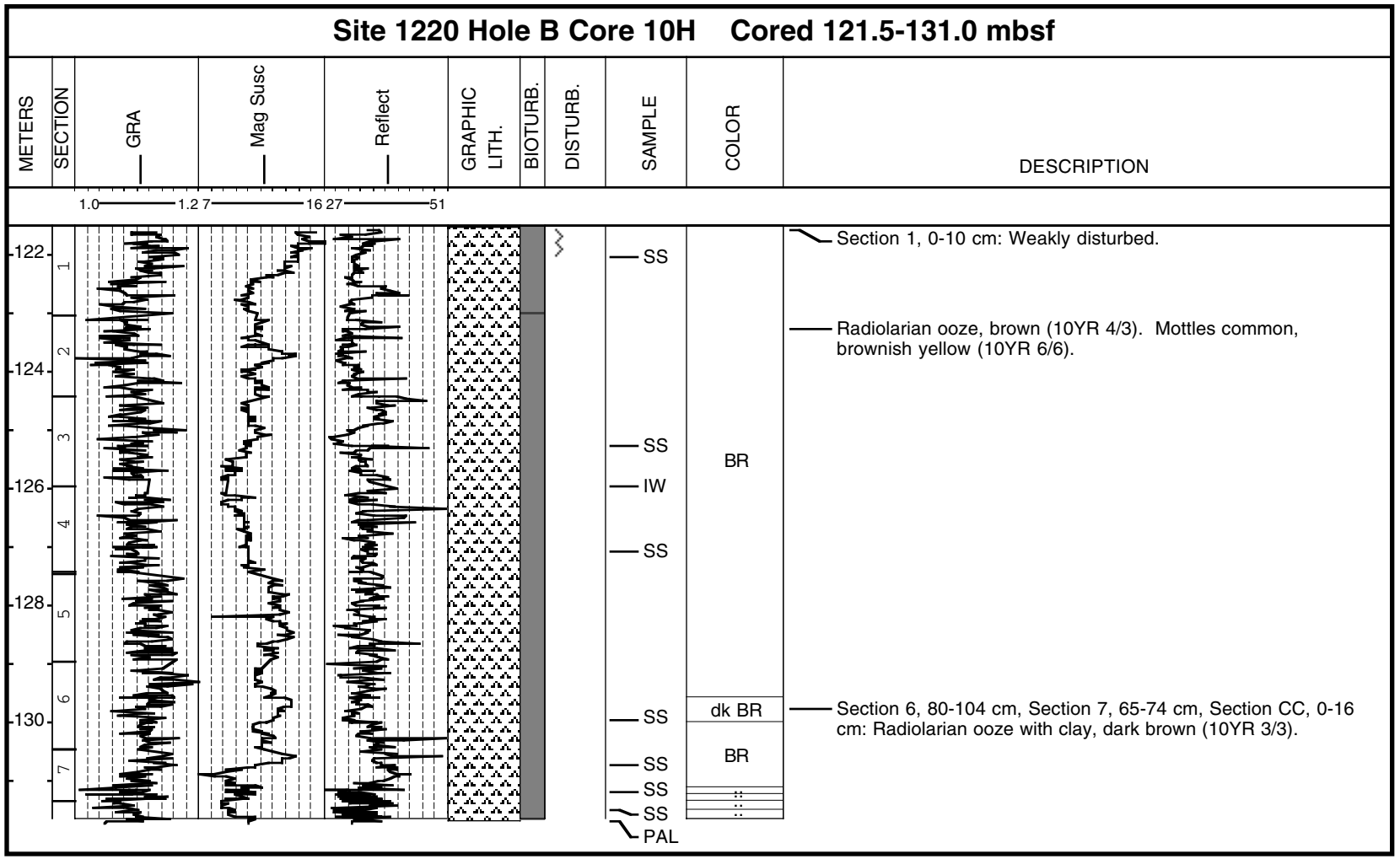
Core Photo


Site 1220 Hole B Core 8H Cored 102.5-112.0 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.2 5
25 24
50
104
106
108
110
112
1
2
3
4
5
6
7
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
PAL
BR
dk BR
dk ye BR
Section 1, 0-12 cm: Soupy.
Section 1, 0-62 cm: Radiolarian ooze, brown (7.5YR 4/4). Faint thin layers, 3-6 cm scale.
Section 1, 62 cm to Section 4, 110 cm, Section 5, 30 cm to base: Radiolarian ooze with clay, dark brown (7.5YR 3/4) gradually alternating with dark yellowish brown (10YR 3/4, 10YR 4/4) and brown (10YR 4/3), meter-scale.
Section 4, 110 cm to Section 5, 30 cm: Radiolarian ooze with diatoms grading to diatom radiolarian ooze with clay.
Abundant mottles throughout, pink (7.5YR 8/4, 10YR 8/3; decreased percentage of clay), dark brown (10YR 3/3; increased percentage of clay and opaques). Reaction rims common.

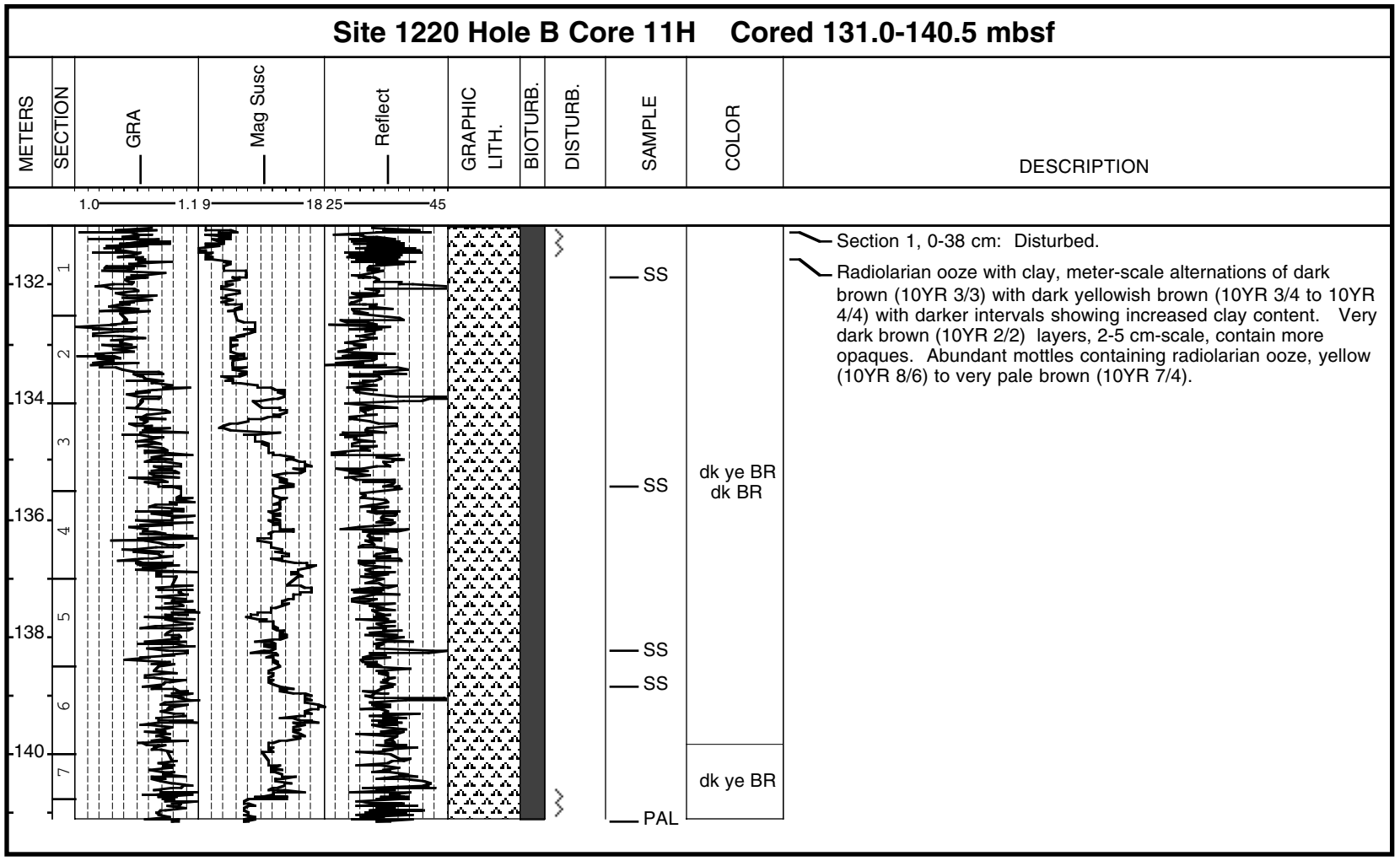
Core Photo


Site 1220 Hole B Core 9H Cored 112.0-121.5 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.2 5
25 25
50
114
116
118
120
1
2
3
4
5
6
SS
SS
SS
SS
PAL
dk BR
dk ye BR
Section 1, 0-21 cm: Soupy.
Radiolarian ooze with clay, dark brown (10YR 3/3) grading to dark yellowish brown (10YR 3/4), faint meter-scale color variations. Abundant mottles throughout, yellow (10YR 8/6) to yellowish brown (10YR 5/4) and very dark brown (10YR 2/2).

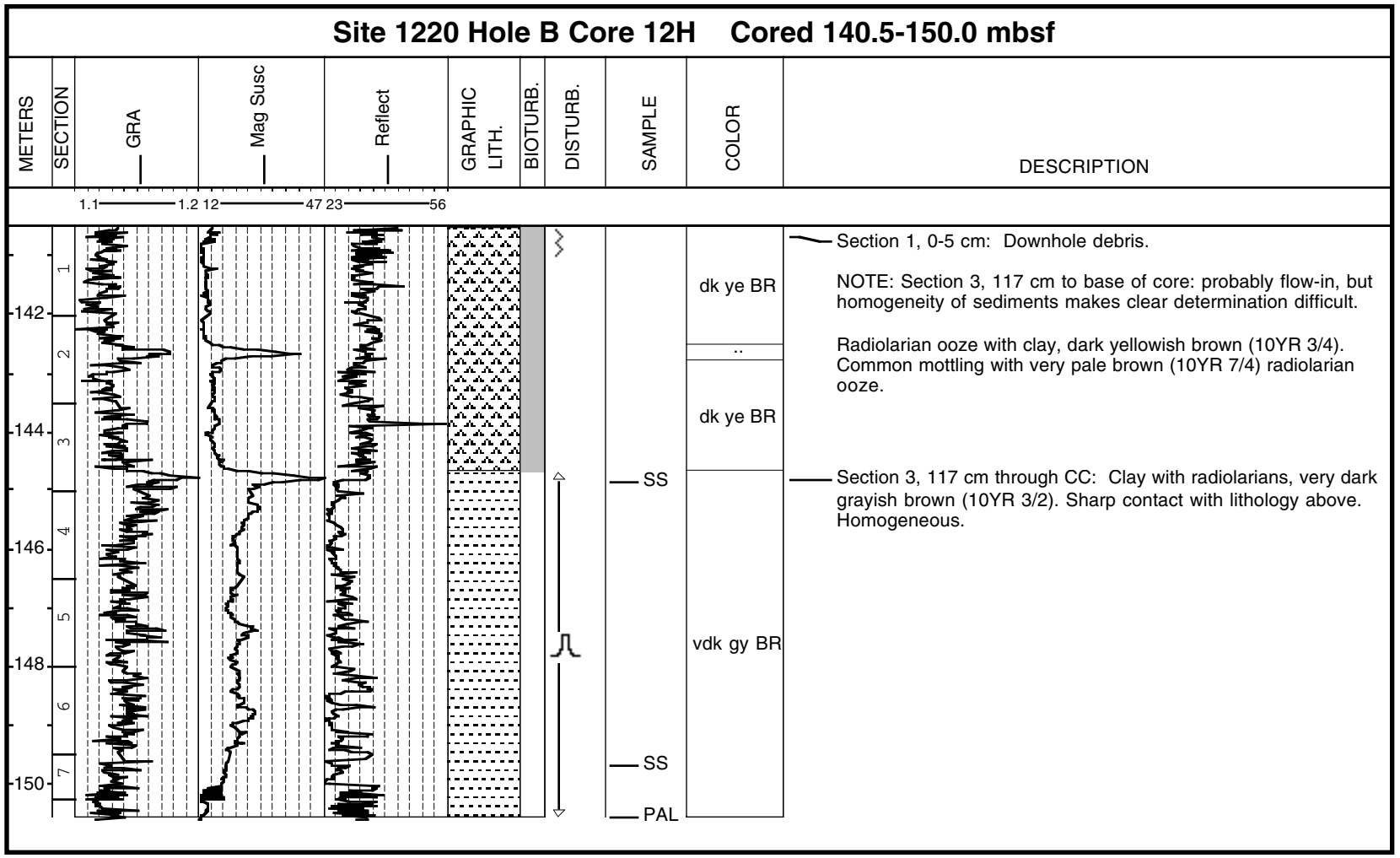
Core Photo


Site 1220 Hole B Core 10H Cored 121.5-131.0 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.2
7
16
27
51
122
124
126
128
130
1
2
3
4
5
6
7
SS
SS
IW
SS
SS
SS
SS
SS
PAL
BR
dk BR
BR
Section 1, 0-10 cm: Weakly disturbed.
Radiolarian ooze, brown (10YR 4/3). Mottles common, brownish yellow (10YR 6/6).
Section 6, 80-104 cm, Section 7, 65-74 cm, Section CC, 0-16 cm: Radiolarian ooze with clay, dark brown (10YR 3/3).

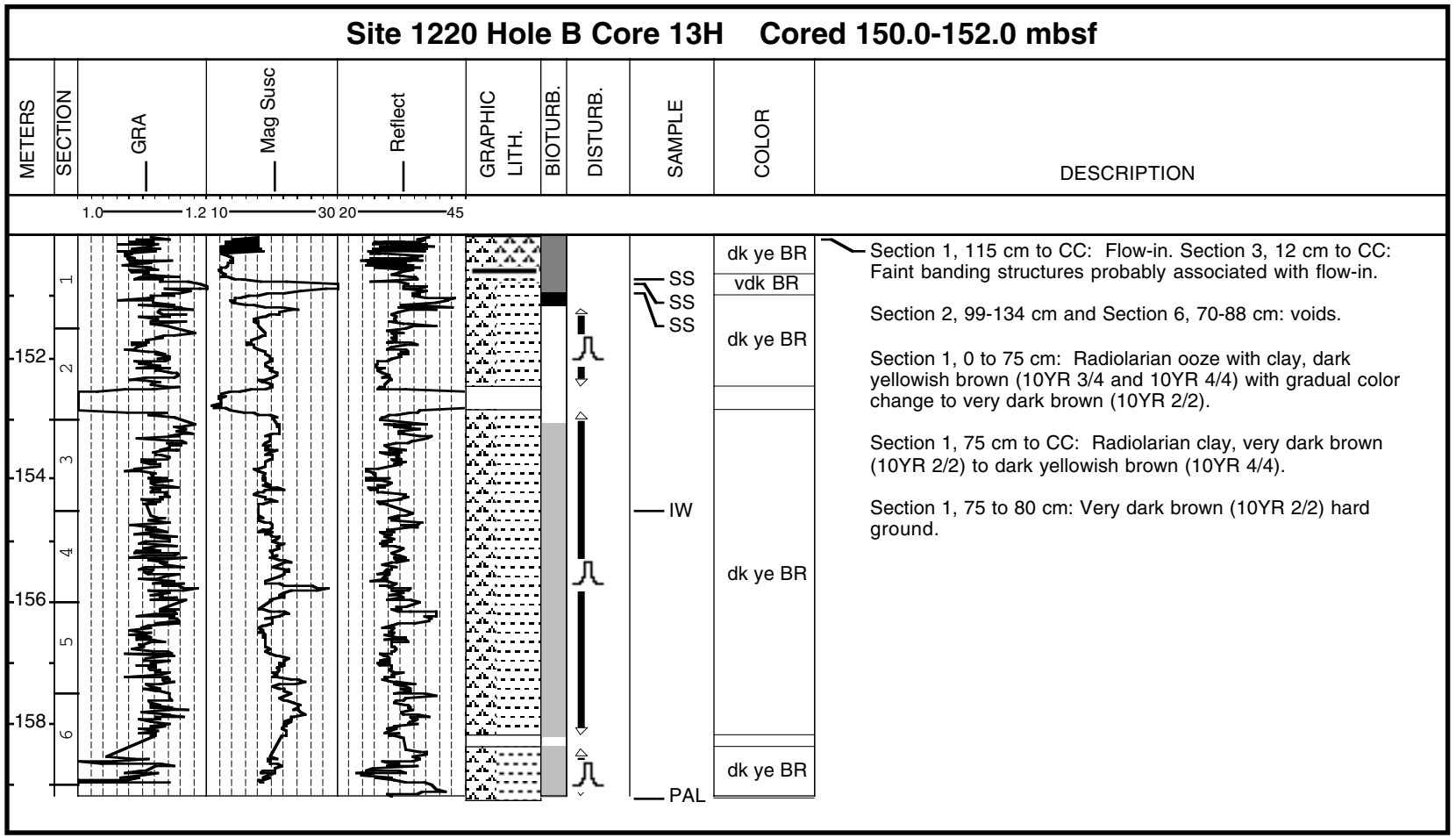
Core Photo


Site 1220 Hole B Core 11H Cored 131.0-140.5 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.1 9
18 25
45
132
134
136
138
140
1
2
3
4
5
6
7
SS
SS
SS
SS
PAL
dk ye BR
dk BR
dk ye BR
Section 1, 0-38 cm: Disturbed.
Radiolarian ooze with clay, meter-scale alternations of dark brown (10YR 3/3) with dark yellowish brown (10YR 3/4 to 10YR 4/4) with darker intervals showing increased clay content. Very dark brown (10YR 2/2) layers, 2-5 cm-scale, contain more opaques. Abundant mottles containing radiolarian ooze, yellow (10YR 8/6) to very pale brown (10YR 7/4).

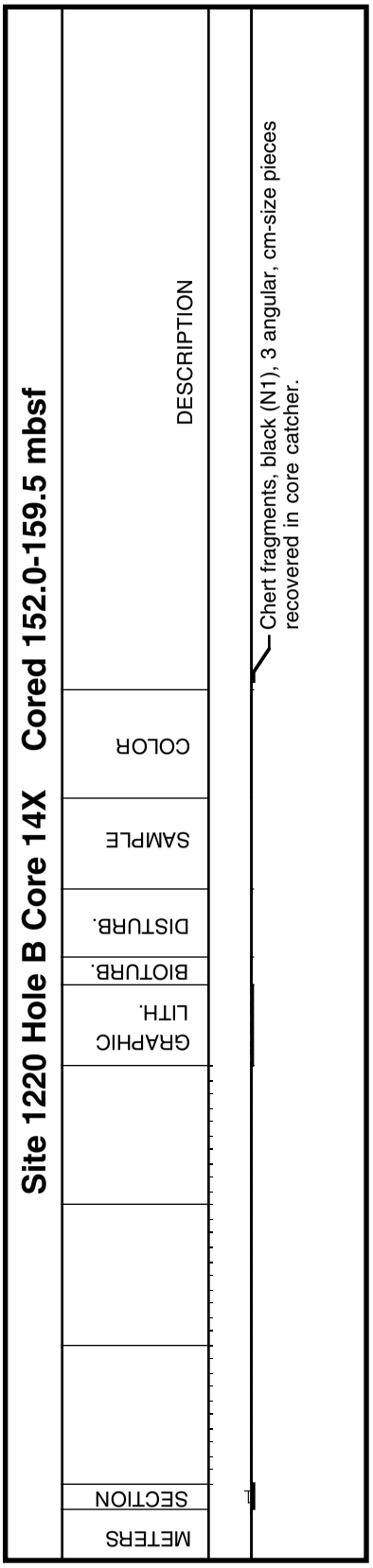
Core Photo


Site 1220 Hole B Core 12H Cored 140.5-150.0 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.1
1.2
12
47
23
56
142
144
146
148
150
1
2
3
4
5
6
7
SS
SS
PAL
dk ye BR
dk ye BR
vdk gy BR
Section 1, 0-5 cm: Downhole debris.
NOTE: Section 3, 117 cm to base of core: probably flow-in, but homogeneity of sediments makes clear determination difficult.
Radiolarian ooze with clay, dark yellowish brown (10YR 3/4). Common mottling with very pale brown (10YR 7/4) radiolarian ooze.
Section 3, 117 cm through CC: Clay with radiolarians, very dark grayish brown (10YR 3/2). Sharp contact with lithology above. Homogeneous.

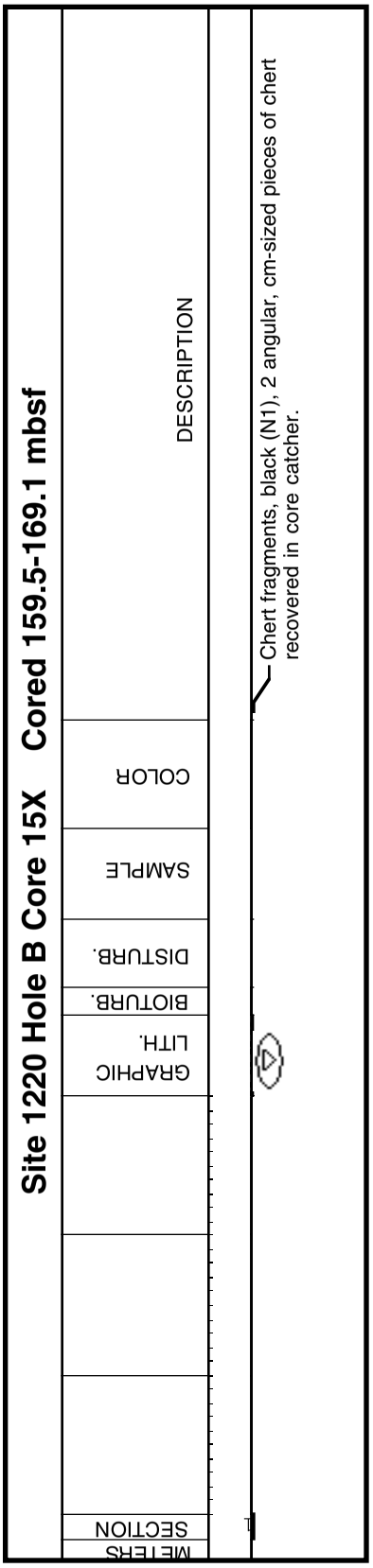
Core Photo


Site 1220 Hole B Core 13H Cored 150.0-152.0 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.2
10
30
20
45
152
154
156
158
1
2
3
4
5
6
SS
SS
SS
IW
PAL
dk ye BR
vdk BR
dk ye BR
dk ye BR
dk ye BR
Section 1, 115 cm to CC: Flow-in. Section 3, 12 cm to CC: Faint banding structures probably associated with flow-in.
Section 2, 99-134 cm and Section 6, 70-88 cm: voids.
Section 1, 0 to 75 cm: Radiolarian ooze with clay, dark yellowish brown (10YR 3/4 and 10YR 4/4) with gradual color change to very dark brown (10YR 2/2).
Section 1, 75 cm to CC: Radiolarian clay, very dark brown (10YR 2/2) to dark yellowish brown (10YR 4/4).
Section 1, 75 to 80 cm: Very dark brown (10YR 2/2) hard ground.

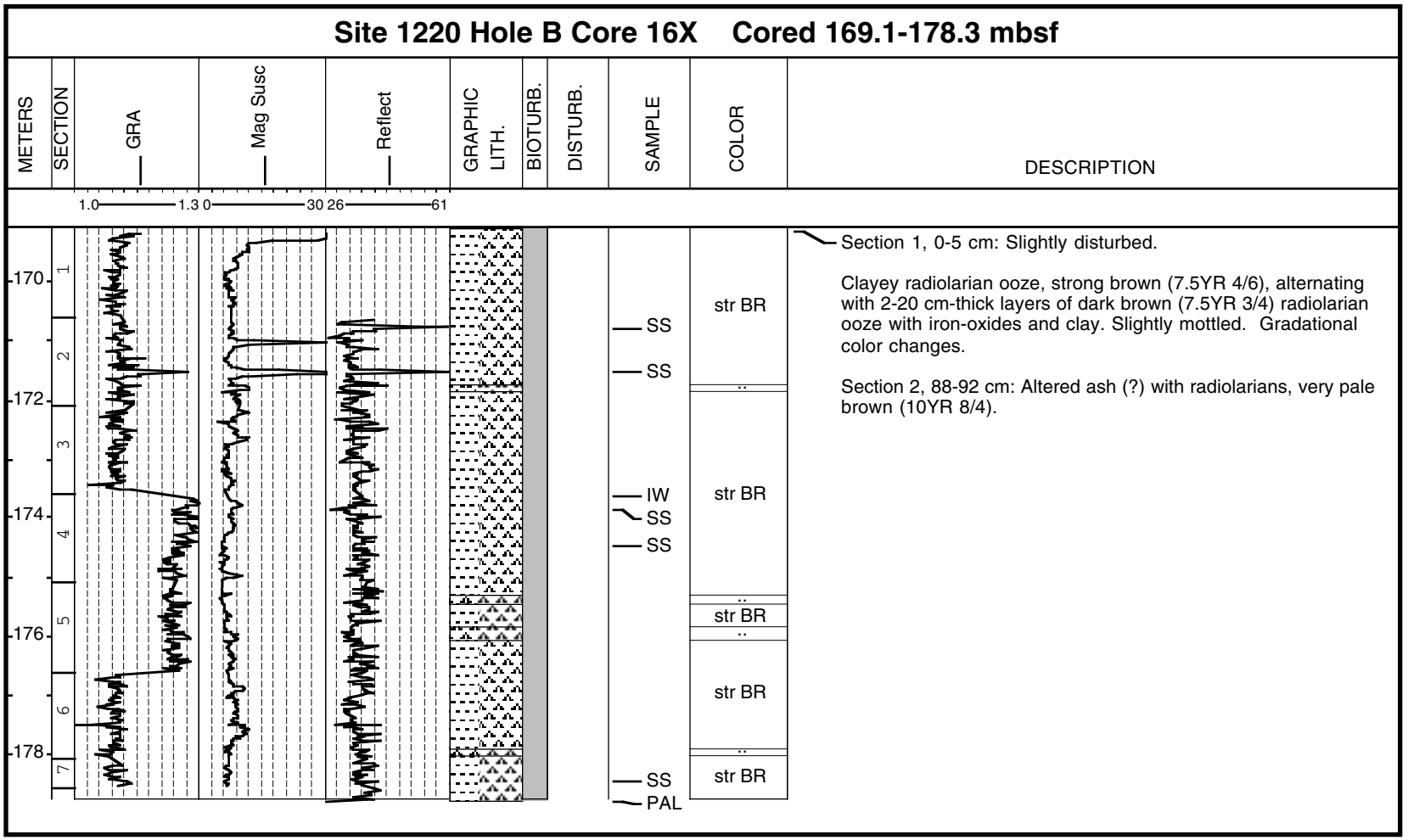
Core Photo


Site 1220 Hole B Core 14X Cored 152.0-159.5 mbsf
METERS
SECTION
DESCRIPTION
COLOR
SAMPLE
DISTURB.
BIOTURB.
GRAPHIC LITH.
Chert fragments, black (N1), 3 angular, cm-size pieces recovered in core catcher.

Core Photo

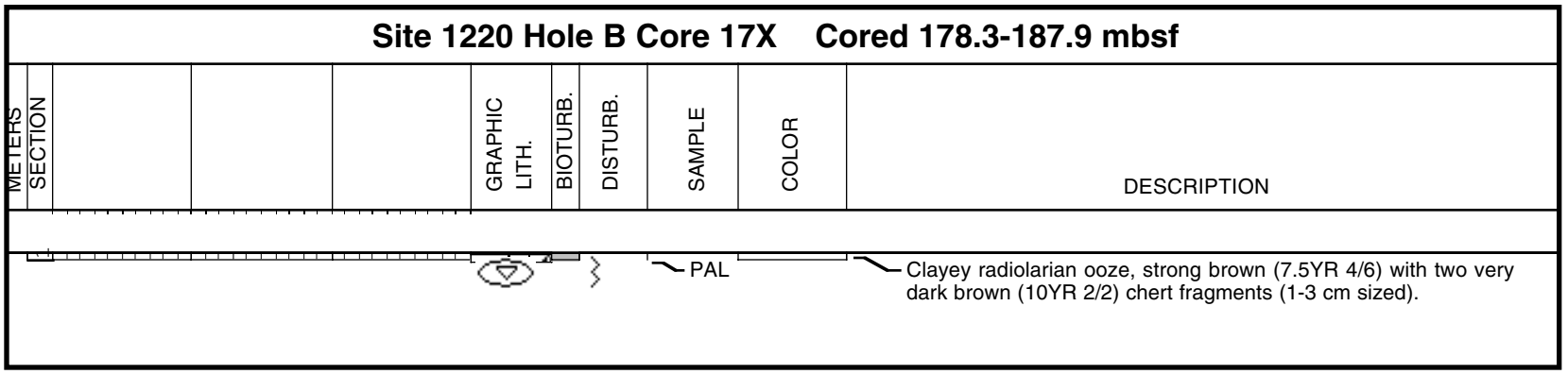

Site 1220 Hole B Core 15X Cored 159.5-169.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
Chert fragments, black (N1), 2 angular, cm-sized pieces of chert recovered in core catcher.

Core Photo

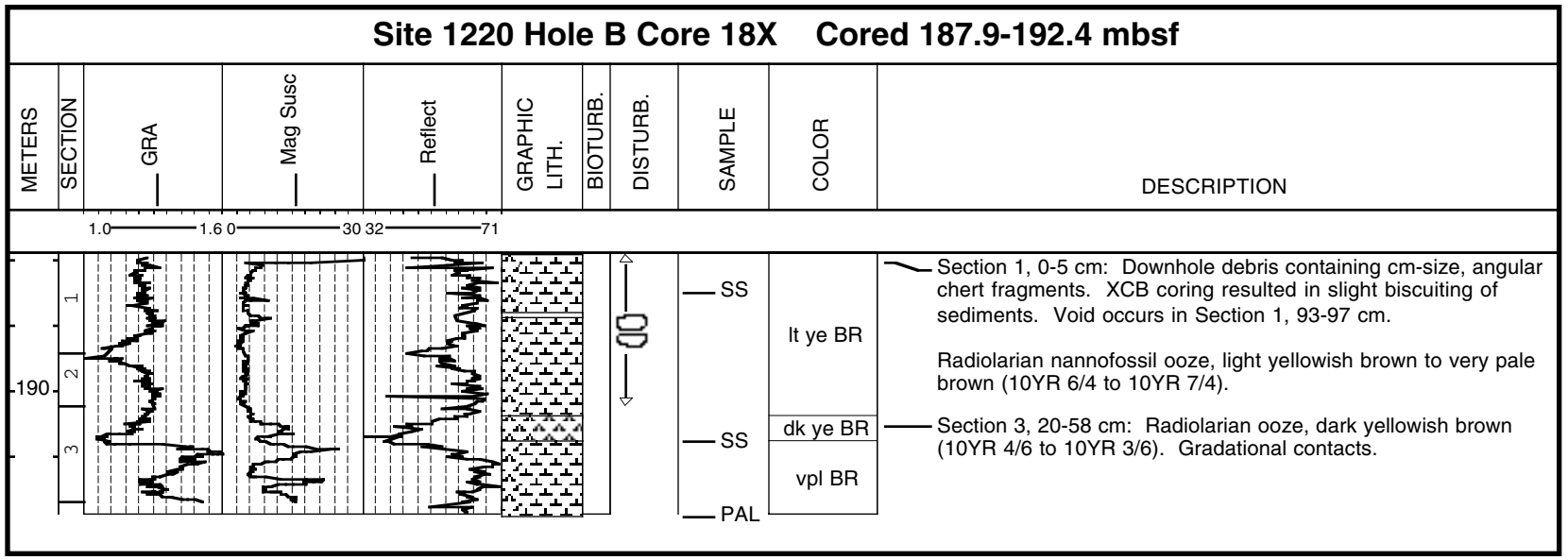

Site 1220 Hole B Core 16X Cored 169.1-178.3 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.3
0
30
26
61
170
172
174
176
178
1
2
3
4
5
6
7
SS
SS
IW
SS
SS
SS
PAL
str BR
str BR
str BR
str BR
str BR
Section 1, 0-5 cm: Slightly disturbed.
Clayey radiolarian ooze, strong brown (7.5YR 4/6), alternating with 2-20 cm-thick layers of dark brown (7.5YR 3/4) radiolarian ooze with iron-oxides and clay. Slightly mottled. Gradational color changes.
Section 2, 88-92 cm: Altered ash (?) with radiolarians, very pale brown (10YR 8/4).

Core Photo

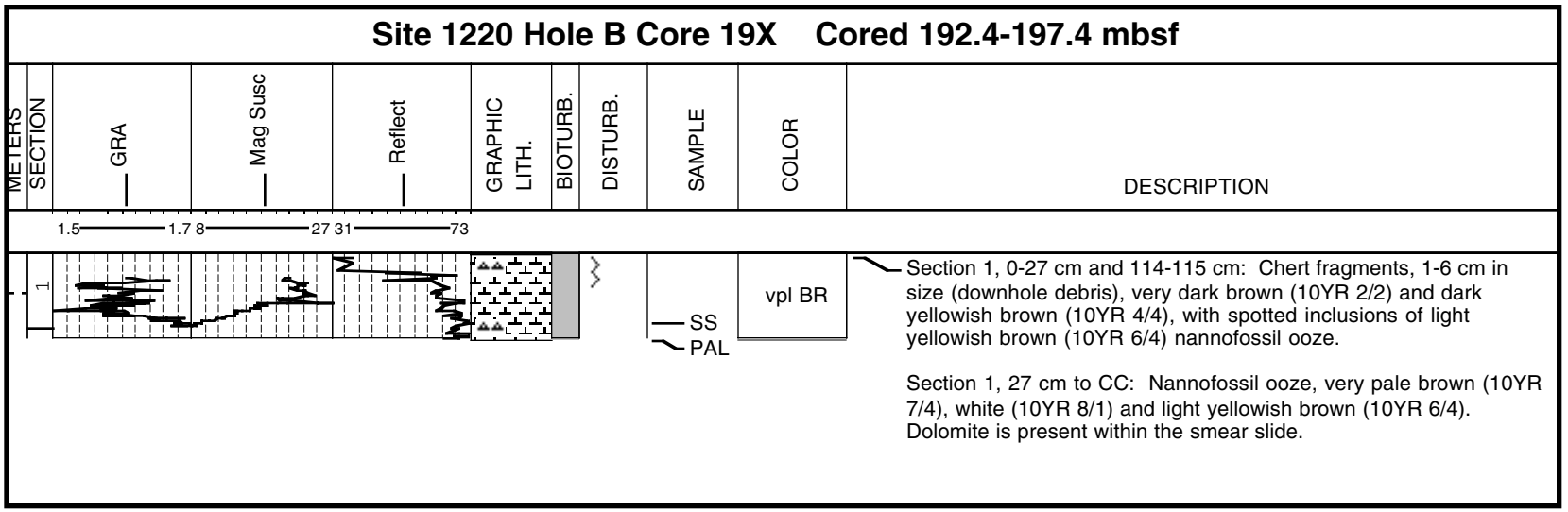
Site 1220 Hole B Core 17X Cored 178.3-187.9 mbsf



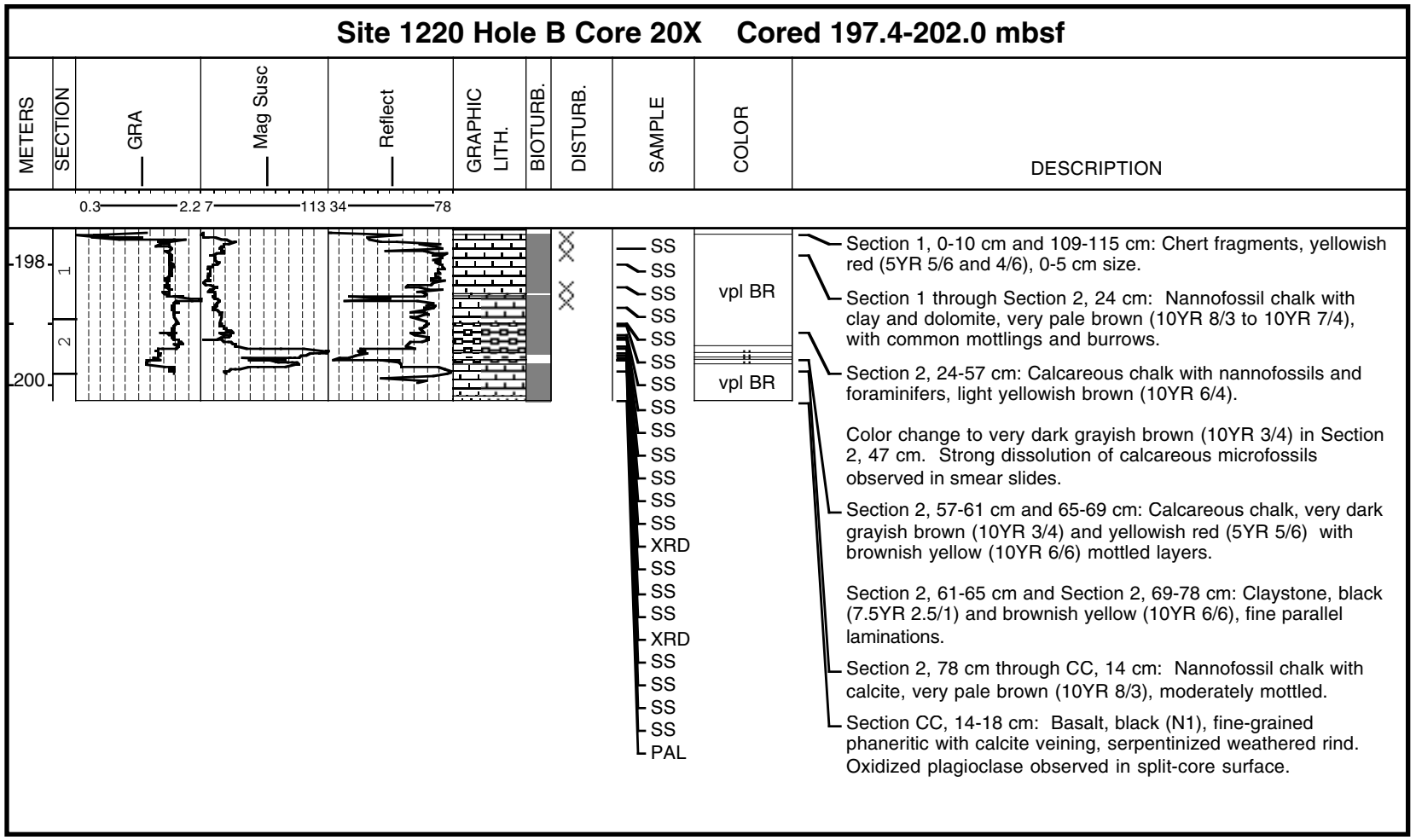
Core Photo


Site 1220 Hole B Core 18X Cored 187.9-192.4 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.6
0
30
32
71
190
1
2
3
SS
SS
PAL
lt ye BR
dk ye BR
vpl BR
Section 1, 0-5 cm: Downhole debris containing cm-size, angular chert fragments. XCB coring resulted in slight biscuiting of sediments. Void occurs in Section 1, 93-97 cm.
Radiolarian nannofossil ooze, light yellowish brown to very pale brown (10YR 6/4 to 10YR 7/4).
Section 3, 20-58 cm: Radiolarian ooze, dark yellowish brown (10YR 4/6 to 10YR 3/6). Gradational contacts.

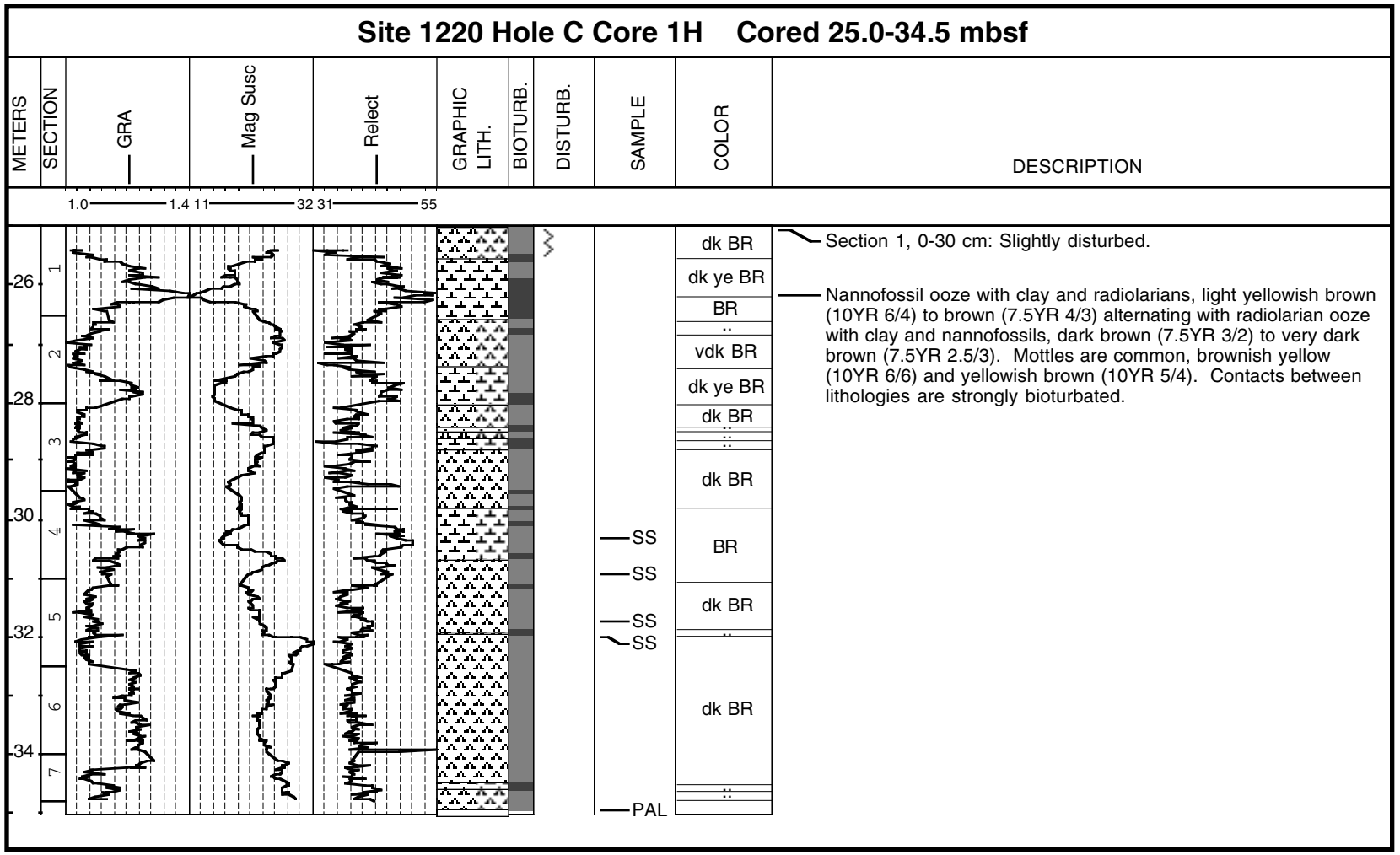
Core Photo


Site 1220 Hole B Core 19X Cored 192.4-197.4 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.5
1.7 8
27 31
73
1
SS
PAL
vpl BR
Section 1, 0-27 cm and 114-115 cm: Chert fragments, 1-6 cm in size (downhole debris), very dark brown (10YR 2/2) and dark yellowish brown (10YR 4/4), with spotted inclusions of light yellowish brown (10YR 6/4) nannofossil ooze.
Section 1, 27 cm to CC: Nannofossil ooze, very pale brown (10YR 7/4), white (10YR 8/1) and light yellowish brown (10YR 6/4). Dolomite is present within the smear slide.

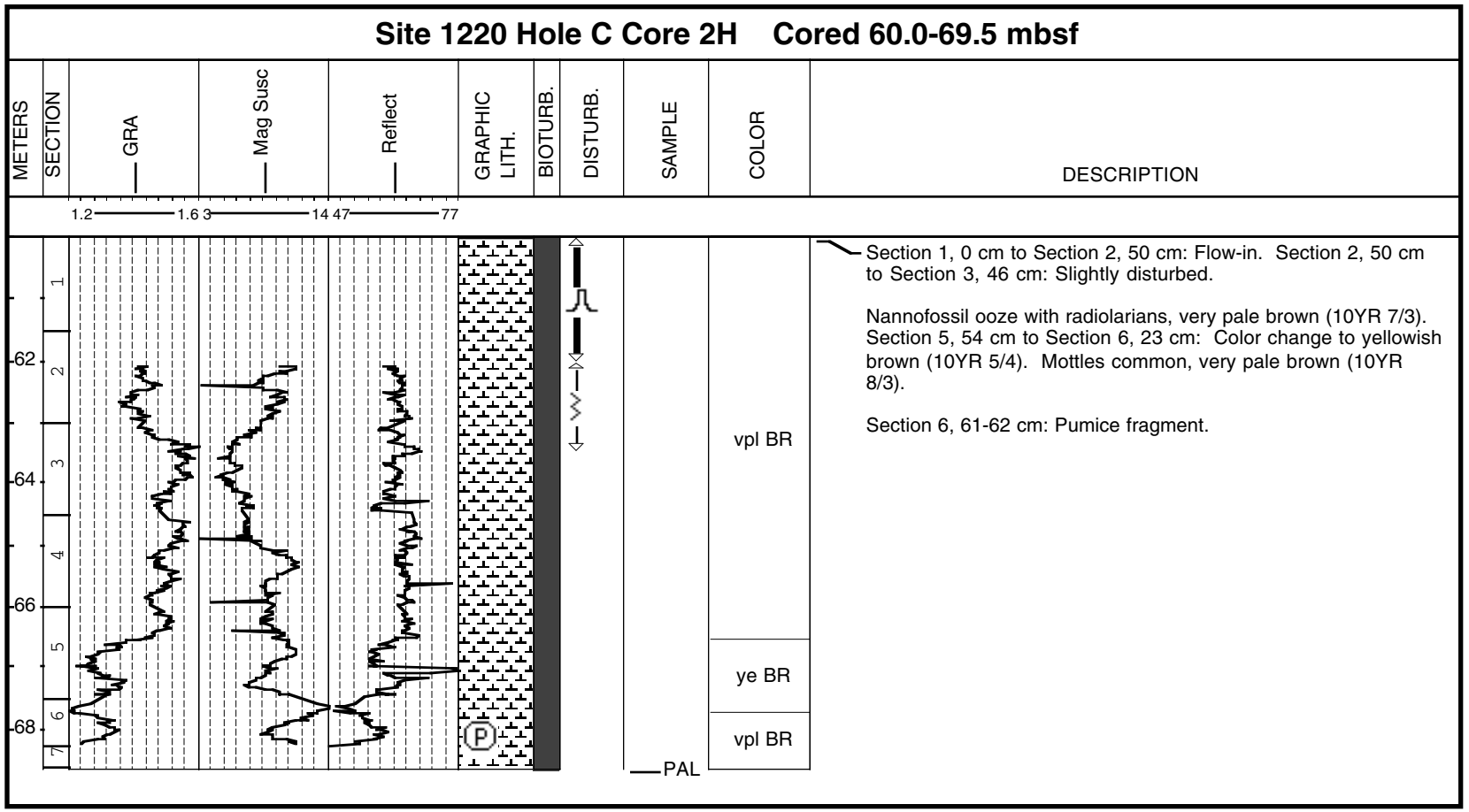
Core Photo


Site 1220 Hole B Core 20X Cored 197.4-202.0 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
0.3
2.2
7
113
34
78
198
200
1
2
SS
XRD
PAL
vpl BR
vpl BR
Section 1, 0-10 cm and 109-115 cm: Chert fragments, yellowish red (5YR 5/6 and 4/6), 0-5 cm size.
Section 1 through Section 2, 24 cm: Nannofossil chalk with clay and dolomite, very pale brown (10YR 8/3 to 10YR 7/4), with common mottlings and burrows.
Section 2, 24-57 cm: Calcareous chalk with nannofossils and foraminifers, light yellowish brown (10YR 6/4).
Color change to very dark grayish brown (10YR 3/4) in Section 2, 47 cm. Strong dissolution of calcareous microfossils observed in smear slides.
Section 2, 57-61 cm and 65-69 cm: Calcareous chalk, very dark grayish brown (10YR 3/4) and yellowish red (5YR 5/6) with brownish yellow (10YR 6/6) mottled layers.
Section 2, 61-65 cm and Section 2, 69-78 cm: Claystone, black (7.5YR 2.5/1) and brownish yellow (10YR 6/6), fine parallel laminations.
Section 2, 78 cm through CC, 14 cm: Nannofossil chalk with calcite, very pale brown (10YR 8/3), moderately mottled.
Section CC, 14-18 cm: Basalt, black (N1), fine-grained phaneritic with calcite veining, serpentinized weathered rind. Oxidized plagioclase observed in split-core surface.

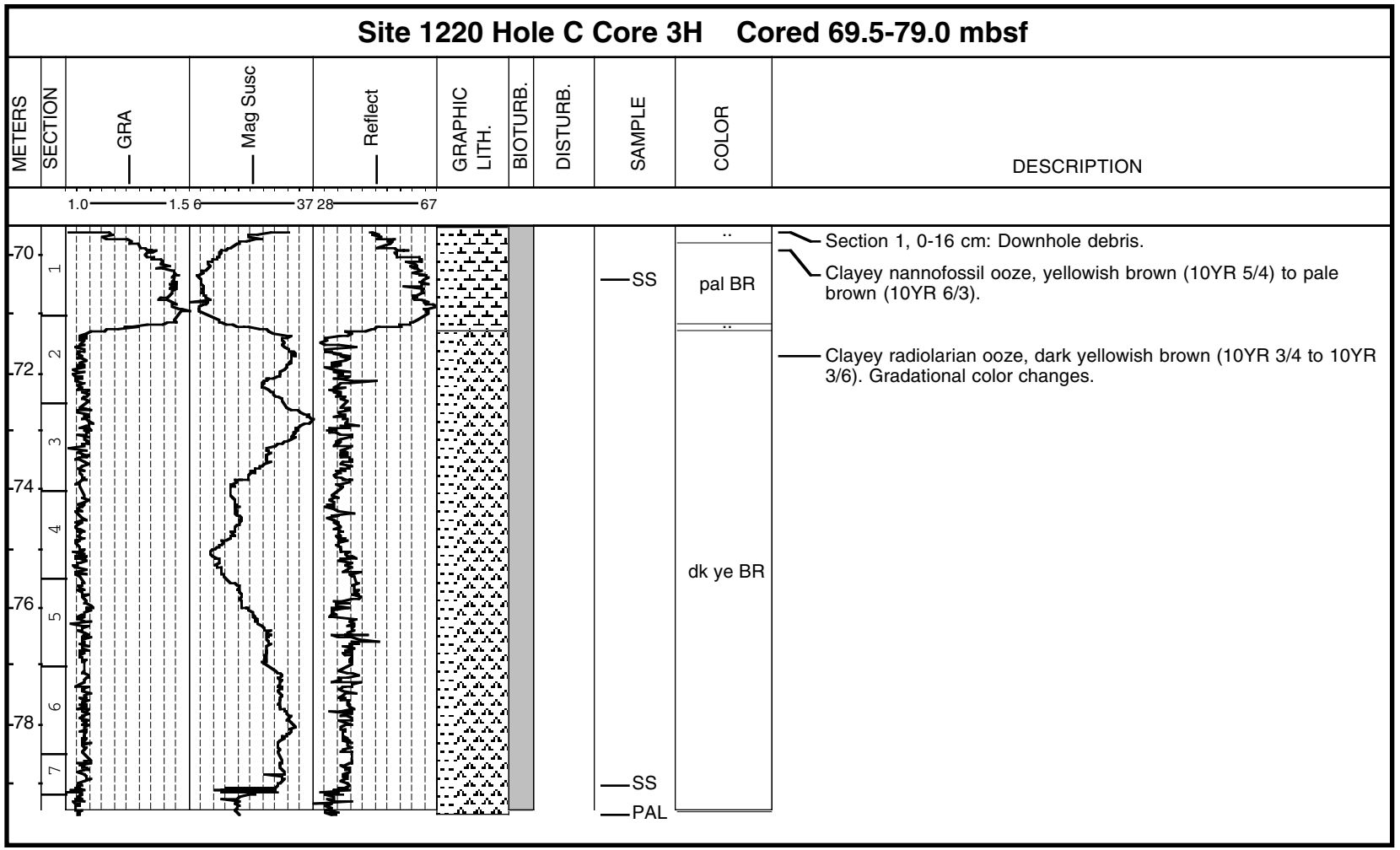
Core Photo


Site 1220 Hole C Core 1H Cored 25.0-34.5 mbsf
METERS
SECTION
GRA
Mag Susc
Relect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.4
11
32
31
55
26
28
30
32
34
1
2
3
4
5
6
7
SS
SS
SS
SS
PAL
dk BR
dk ye BR
BR
vdk BR
dk ye BR
dk BR
dk BR
BR
dk BR
dk BR
Section 1, 0-30 cm: Slightly disturbed.
Nannofossil ooze with clay and radiolarians, light yellowish brown (10YR 6/4) to brown (7.5YR 4/3) alternating with radiolarian ooze with clay and nannofossils, dark brown (7.5YR 3/2) to very dark brown (7.5YR 2.5/3). Mottles are common, brownish yellow (10YR 6/6) and yellowish brown (10YR 5/4). Contacts between lithologies are strongly bioturbated.

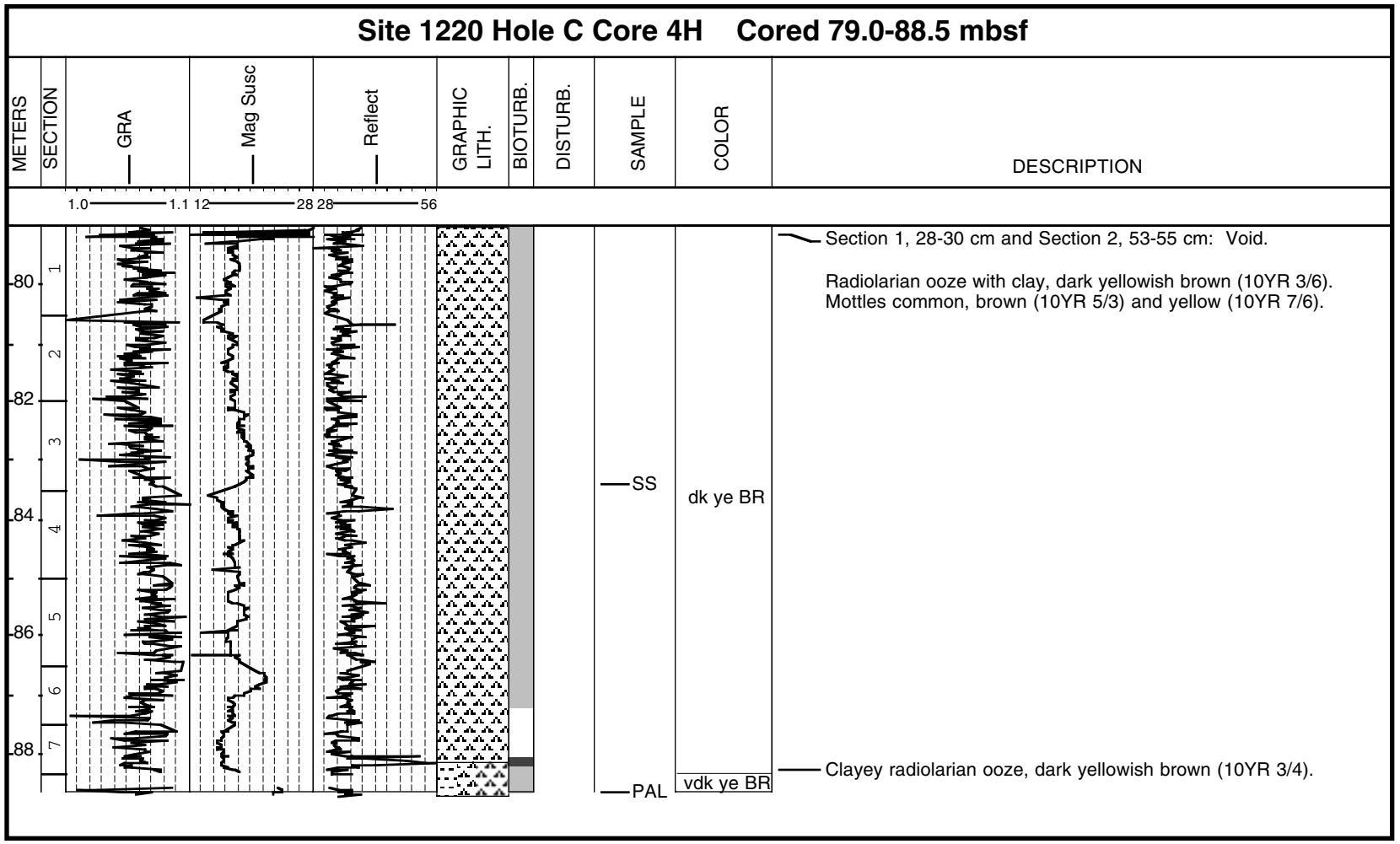
Core Photo


Site 1220 Hole C Core 2H Cored 60.0-69.5 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.2
1.6 3
14 47
77
62
64
66
68
1
2
3
4
5
6
7
P
PAL
vpl BR
ye BR
vpl BR
Section 1, 0 cm to Section 2, 50 cm: Flow-in. Section 2, 50 cm to Section 3, 46 cm: Slightly disturbed.
Nannofossil ooze with radiolarians, very pale brown (10YR 7/3). Section 5, 54 cm to Section 6, 23 cm: Color change to yellowish brown (10YR 5/4). Mottles common, very pale brown (10YR 8/3).
Section 6, 61-62 cm: Pumice fragment.

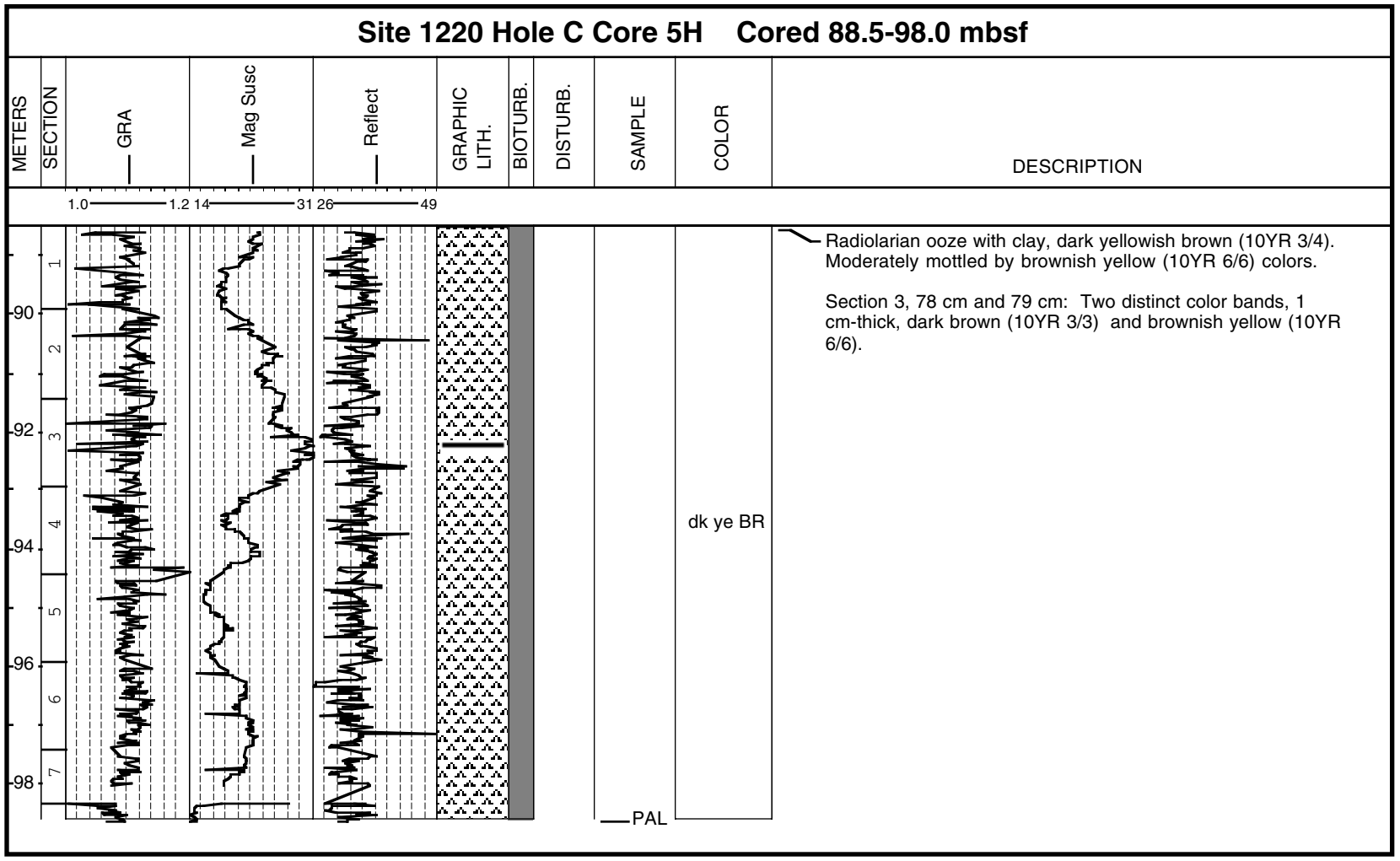
Core Photo


Site 1220 Hole C Core 3H Cored 69.5-79.0 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.5
6
37
28
67
70
72
74
76
78
1
2
3
4
5
6
7
SS
SS
PAL
pal BR
dk ye BR
Section 1, 0-16 cm: Downhole debris.
Clayey nannofossil ooze, yellowish brown (10YR 5/4) to pale brown (10YR 6/3).
Clayey radiolarian ooze, dark yellowish brown (10YR 3/4 to 10YR 3/6). Gradational color changes.

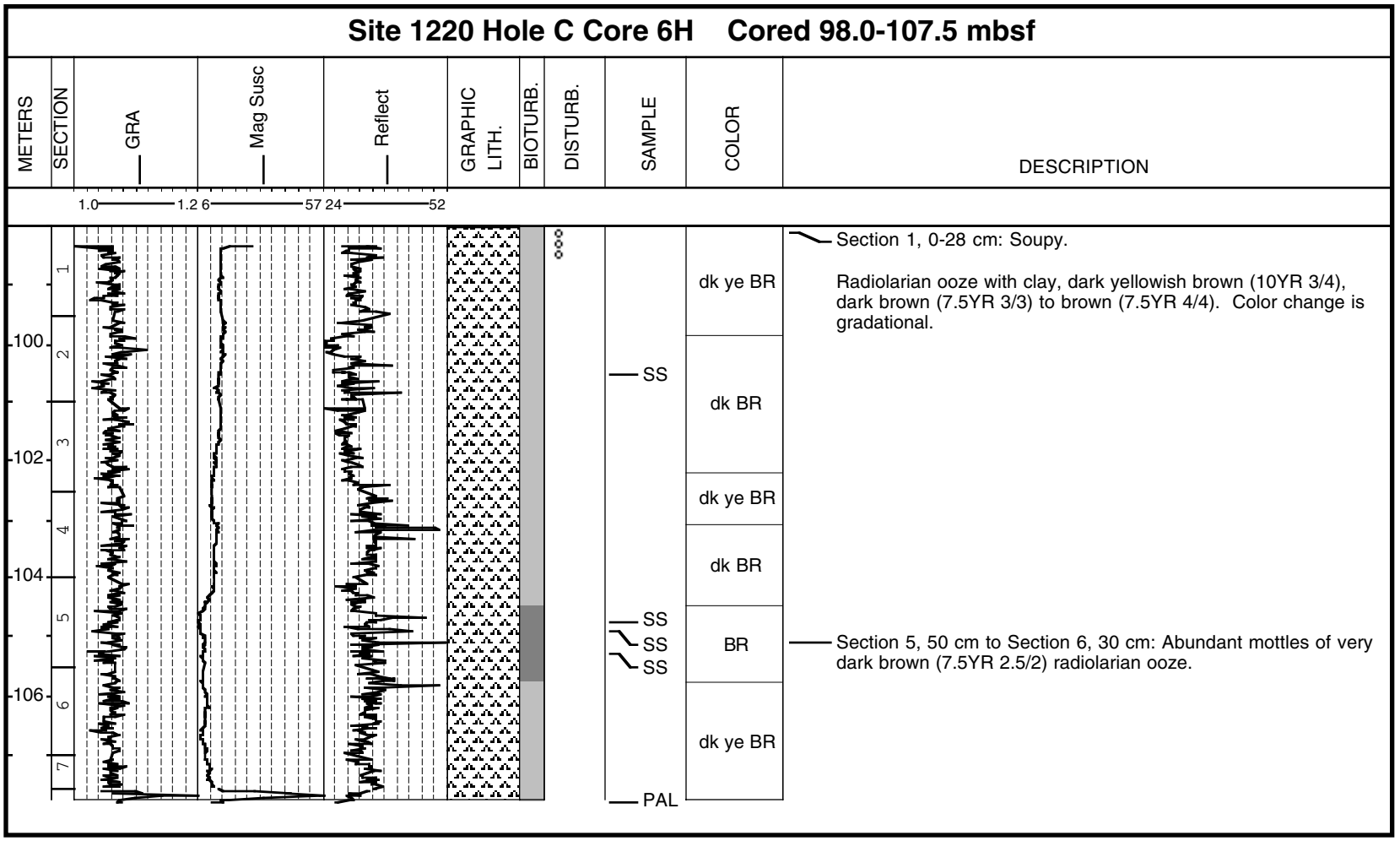
Core Photo


Site 1220 Hole C Core 4H Cored 79.0-88.5 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.1
12
28
28
56
80
82
84
86
88
1
2
3
4
5
6
7
SS
PAL
dk ye BR
vdk ye BR
Section 1, 28-30 cm and Section 2, 53-55 cm: Void.
Radiolarian ooze with clay, dark yellowish brown (10YR 3/6).
Mottles common, brown (10YR 5/3) and yellow (10YR 7/6).
Clayey radiolarian ooze, dark yellowish brown (10YR 3/4).

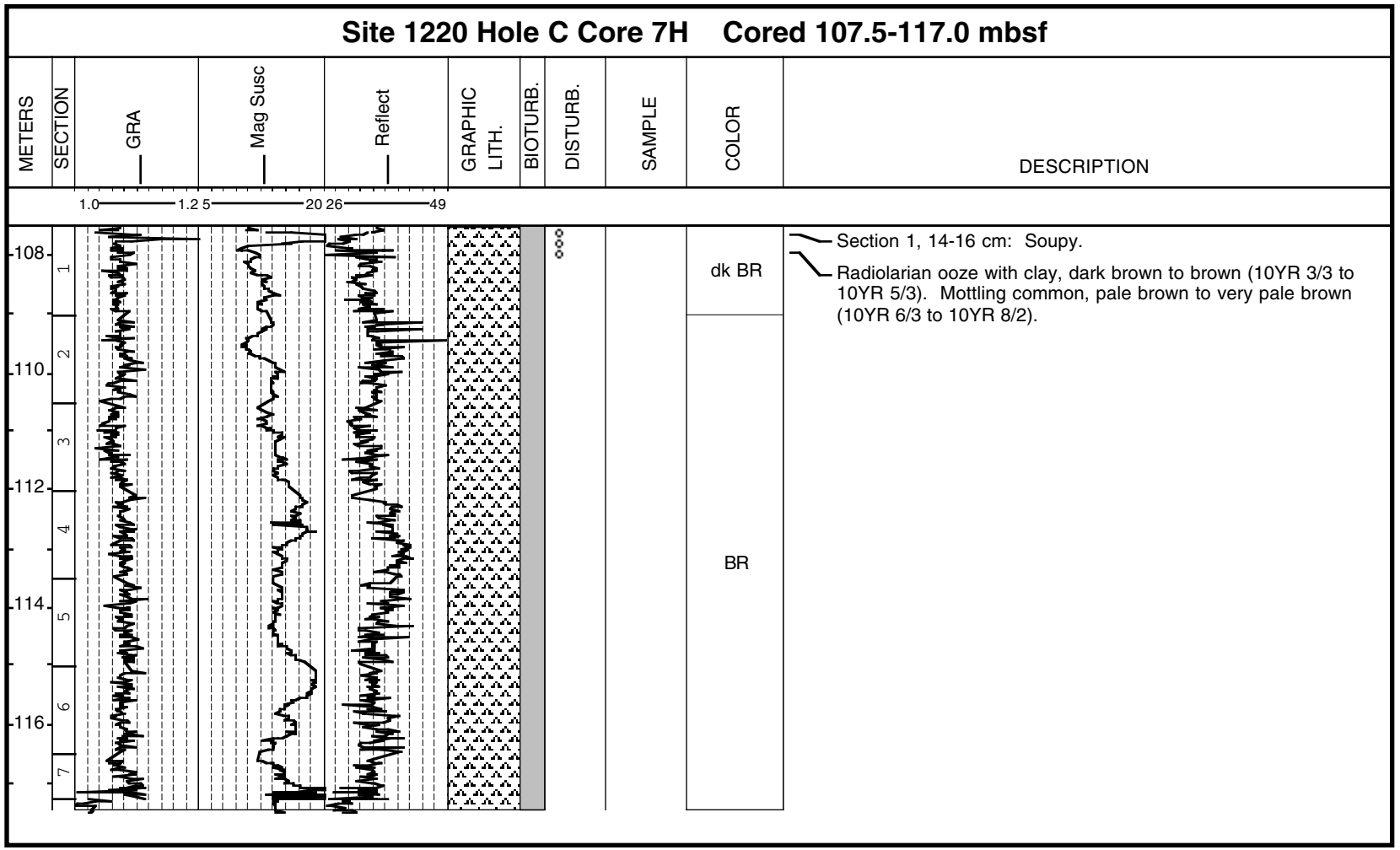
Core Photo


Site 1220 Hole C Core 5H Cored 88.5-98.0 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.2
14
31
26
49
90
92
94
96
98
1
2
3
4
5
6
7
PAL
dk ye BR
Radiolarian ooze with clay, dark yellowish brown (10YR 3/4). Moderately mottled by brownish yellow (10YR 6/6) colors.
Section 3, 78 cm and 79 cm: Two distinct color bands, 1 cm-thick, dark brown (10YR 3/3) and brownish yellow (10YR 6/6).

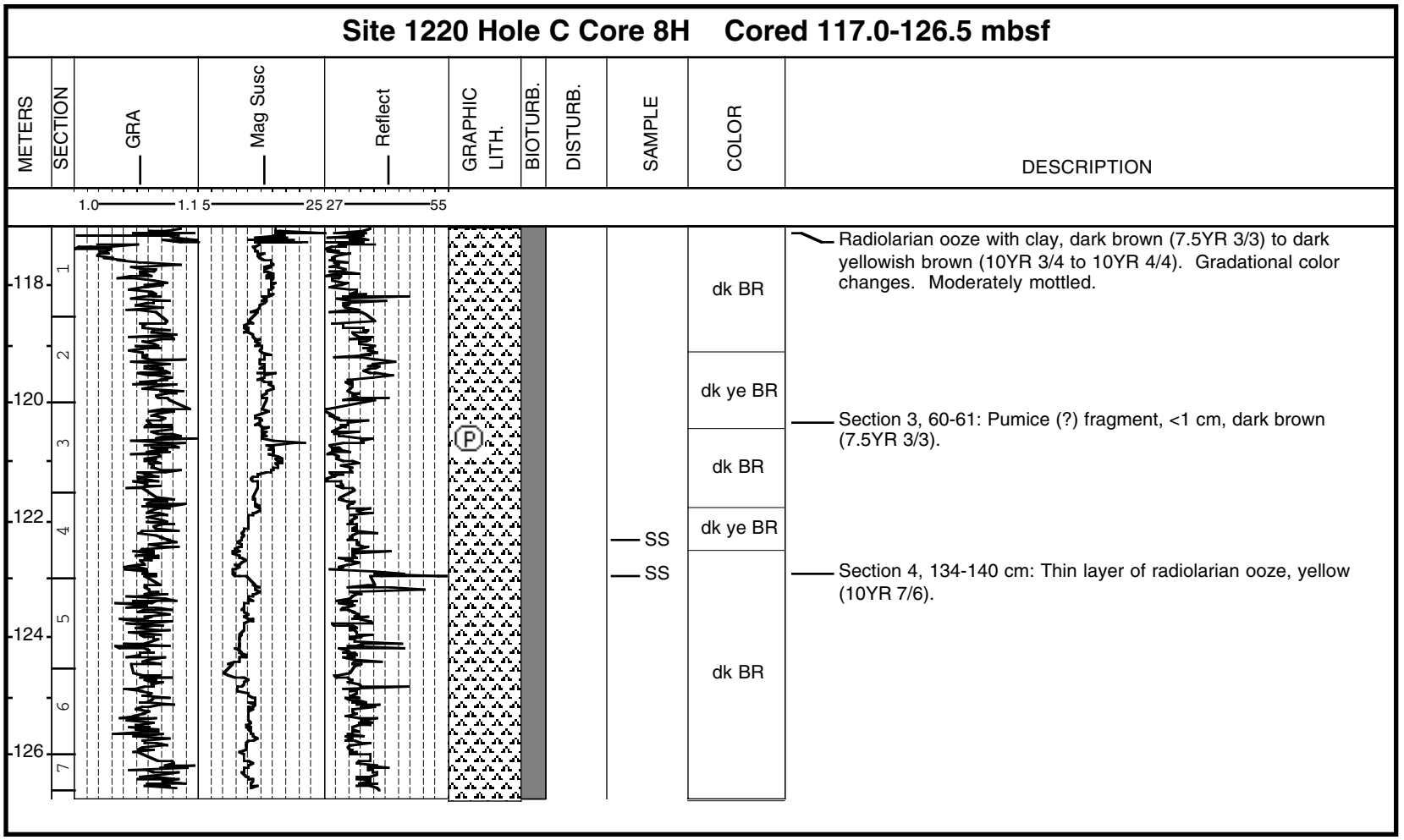
Core Photo


Site 1220 Hole C Core 6H Cored 98.0-107.5 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.2
6
57
24
52
100
102
104
106
1
2
3
4
5
6
7
SS
SS
SS
SS
PAL
dk ye BR
dk BR
dk ye BR
dk BR
BR
dk ye BR
Section 1, 0-28 cm: Soupy.
Radiolarian ooze with clay, dark yellowish brown (10YR 3/4), dark brown (7.5YR 3/3) to brown (7.5YR 4/4). Color change is gradational.
Section 5, 50 cm to Section 6, 30 cm: Abundant mottles of very dark brown (7.5YR 2.5/2) radiolarian ooze.

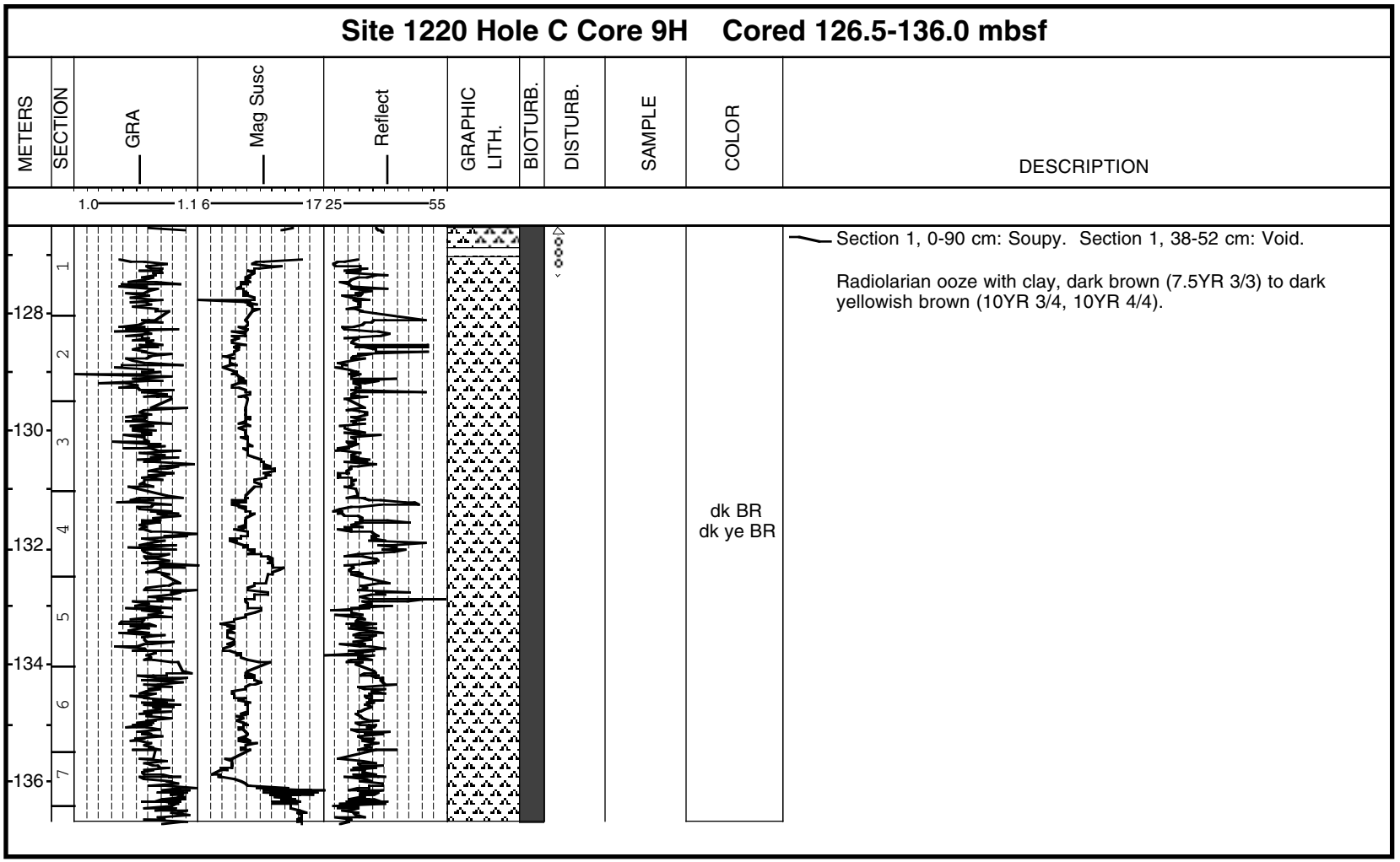
Core Photo


Site 1220 Hole C Core 7H Cored 107.5-117.0 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.2
5
20
26
49
108
110
112
114
116
1
2
3
4
5
6
7
dk BR
BR
Section 1, 14-16 cm: Soupy.
Radiolarian ooze with clay, dark brown to brown (10YR 3/3 to 10YR 5/3). Mottling common, pale brown to very pale brown (10YR 6/3 to 10YR 8/2).

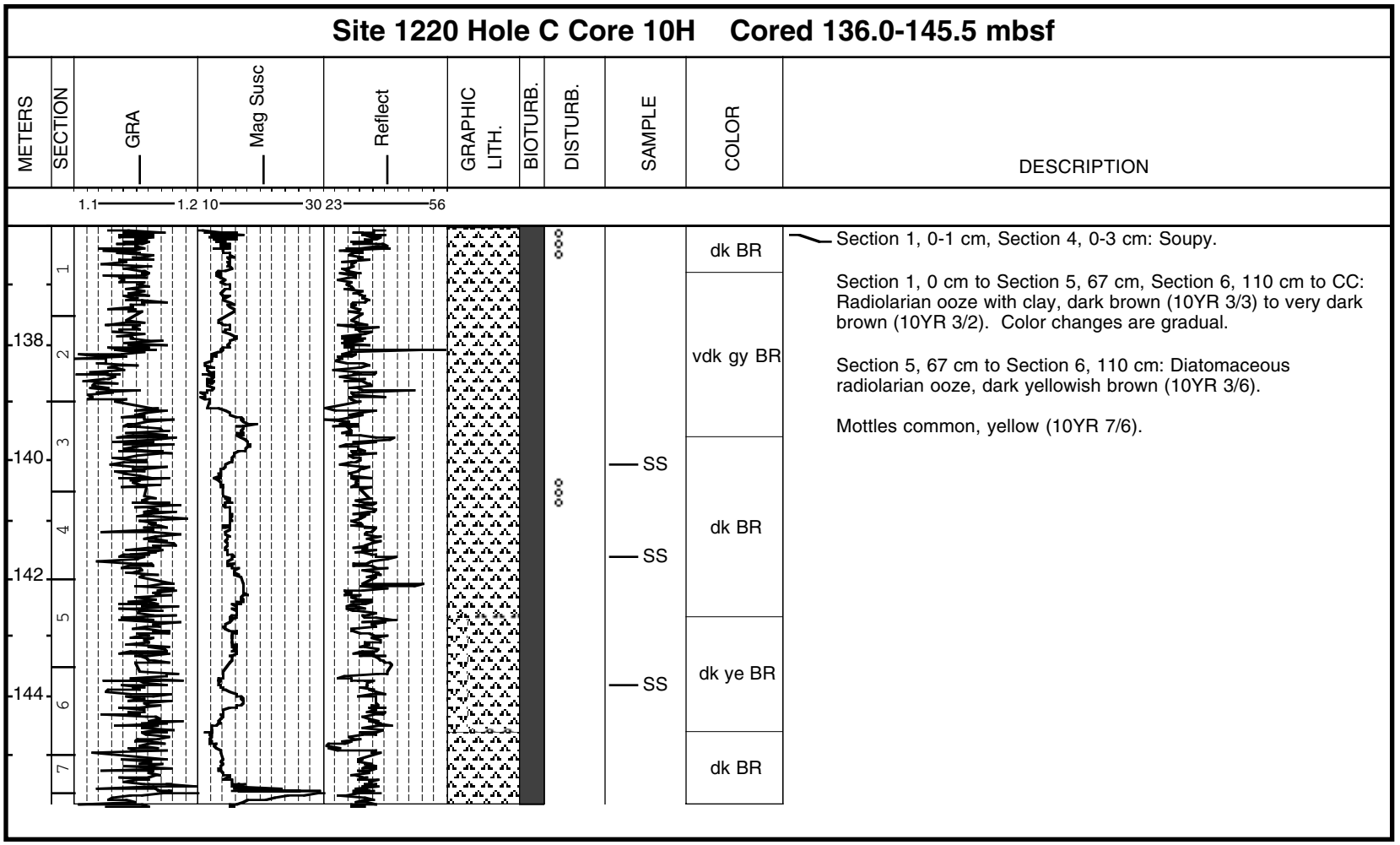
Core Photo


Site 1220 Hole C Core 8H Cored 117.0-126.5 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.1
5
25
27
55
118
120
122
124
126
1
2
3
4
5
6
7
P
SS
SS
dk BR
dk ye BR
dk BR
dk ye BR
dk BR
Radiolarian ooze with clay, dark brown (7.5YR 3/3) to dark yellowish brown (10YR 3/4 to 10YR 4/4). Gradational color changes. Moderately mottled.
Section 3, 60-61: Pumice (?) fragment, <1 cm, dark brown (7.5YR 3/3).
Section 4, 134-140 cm: Thin layer of radiolarian ooze, yellow (10YR 7/6).

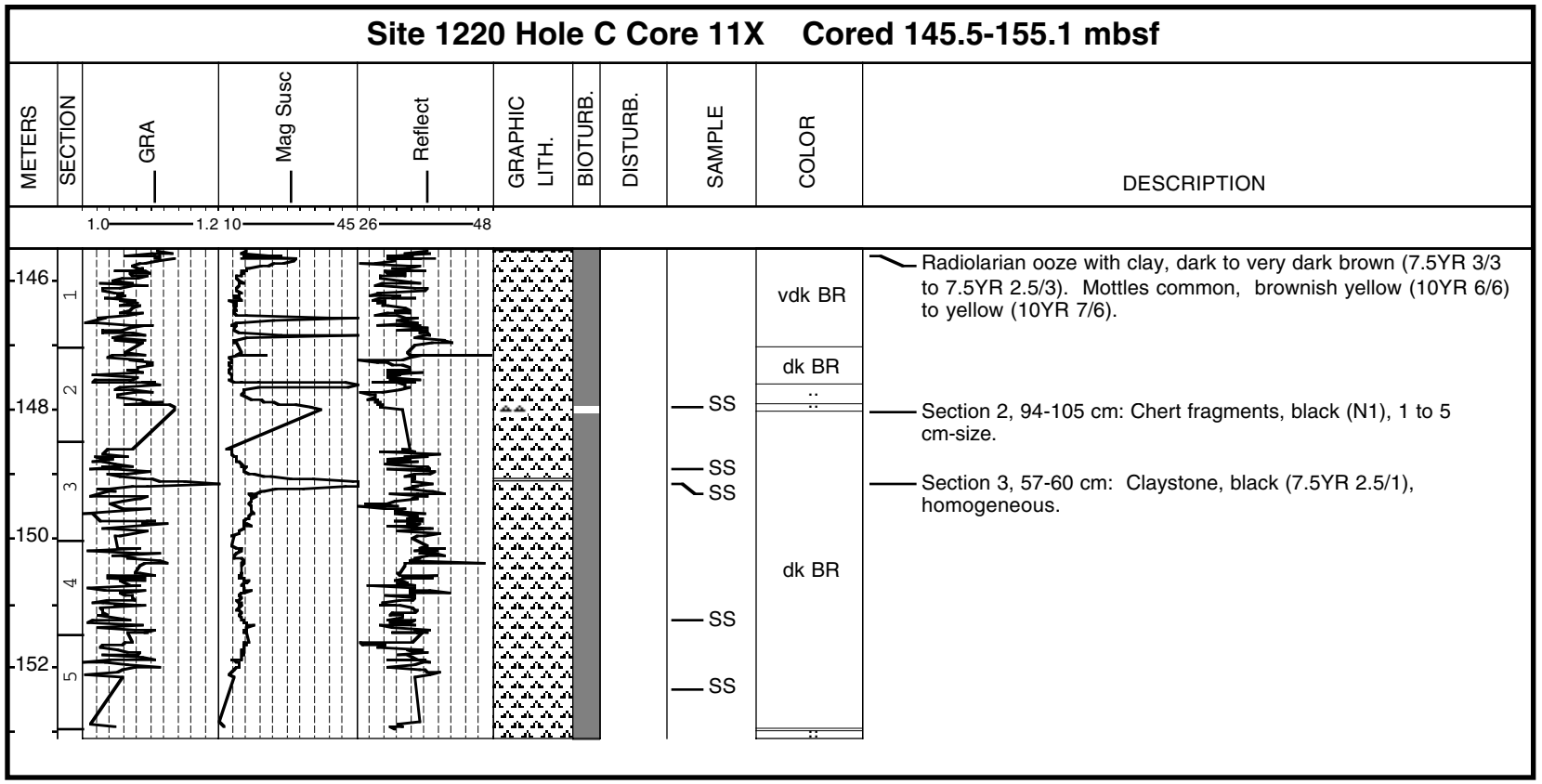
Core Photo


Site 1220 Hole C Core 9H Cored 126.5-136.0 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.1
6
17
25
55
128
130
132
134
136
1
2
3
4
5
6
7
dk BR
dk ye BR
Section 1, 0-90 cm: Soupy. Section 1, 38-52 cm: Void.
Radiolarian ooze with clay, dark brown (7.5YR 3/3) to dark yellowish brown (10YR 3/4, 10YR 4/4).

Core Photo

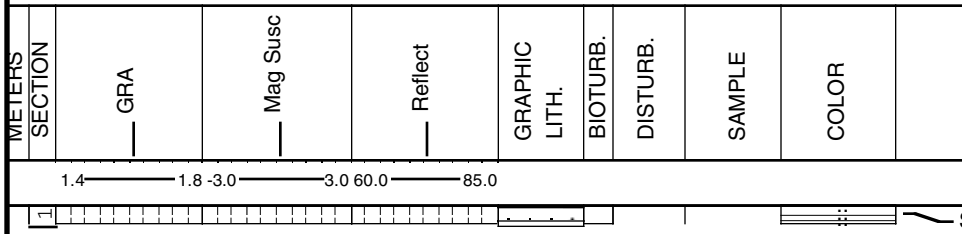

Site 1220 Hole C Core 10H Cored 136.0-145.5 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.1
1.2
10
30
23
56
138
140
142
144
1
2
3
4
5
6
7
SS
SS
SS
dk BR
vdk gy BR
dk BR
dk ye BR
dk BR
Section 1, 0-1 cm, Section 4, 0-3 cm: Soupy.
Section 1, 0 cm to Section 5, 67 cm, Section 6, 110 cm to CC: Radiolarian ooze with clay, dark brown (10YR 3/3) to very dark brown (10YR 3/2). Color changes are gradual.
Section 5, 67 cm to Section 6, 110 cm: Diatomaceous radiolarian ooze, dark yellowish brown (10YR 3/6).
Mottles common, yellow (10YR 7/6).

Core Photo


Site 1220 Hole C Core 11X Cored 145.5-155.1 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.2
10
45
26
48
146
148
150
152
1
2
3
4
5
SS
SS
SS
SS
vdk BR
dk BR
dk BR
Radiolarian ooze with clay, dark to very dark brown (7.5YR 3/3 to 7.5YR 2.5/3). Mottles common, brownish yellow (10YR 6/6) to yellow (10YR 7/6).
Section 2, 94-105 cm: Chert fragments, black (N1), 1 to 5 cm-size.
Section 3, 57-60 cm: Claystone, black (7.5YR 2.5/1), homogeneous.

Core Photo

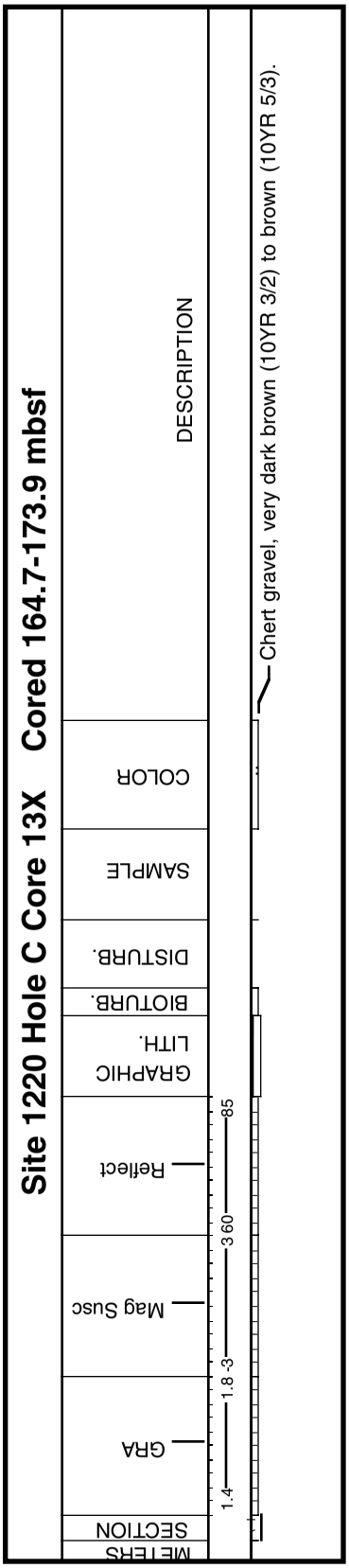
Site 1220 Hole C Core 12X Cored 155.1-164.7 mbsf



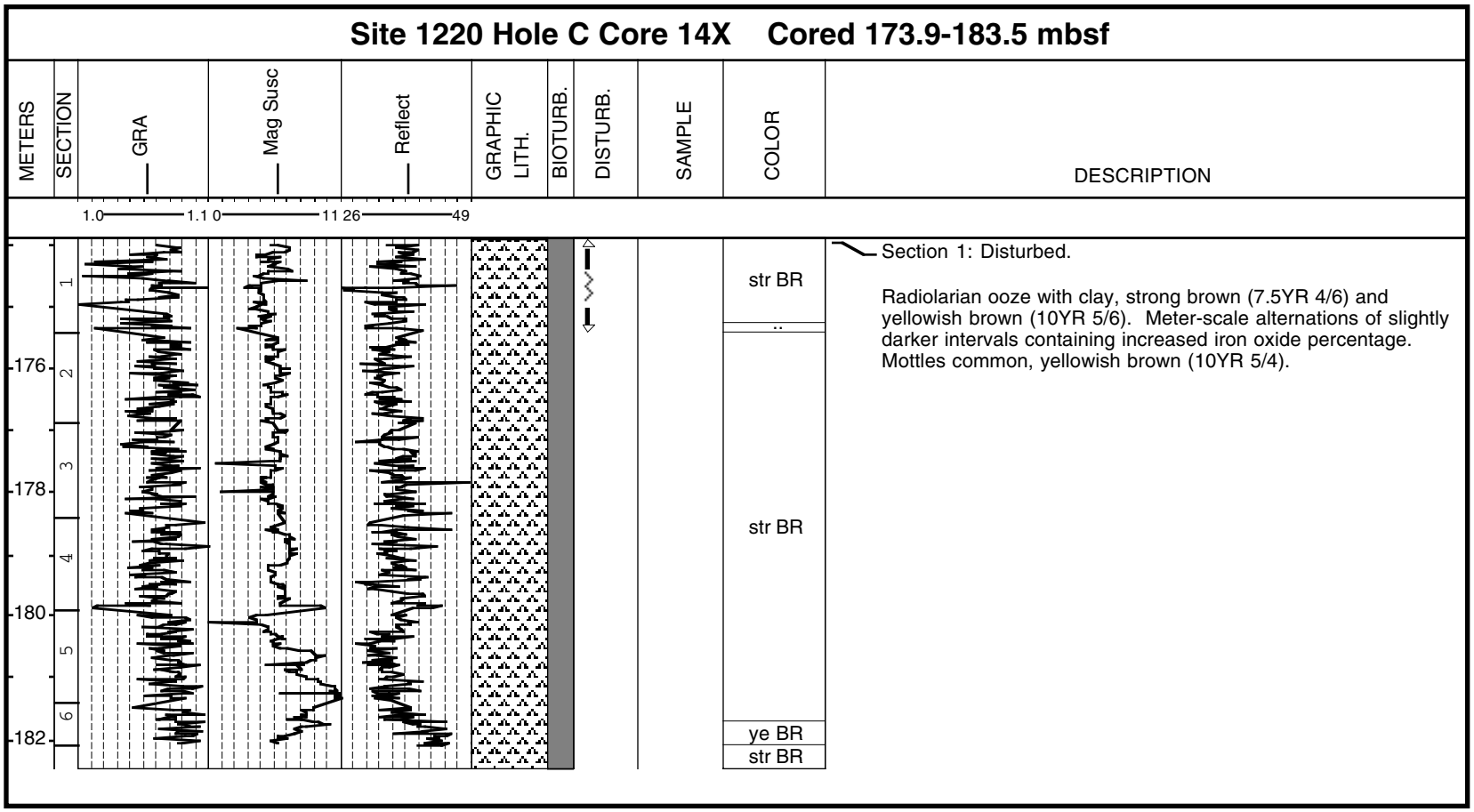
Section 1, 0-25 cm: Chert breccia, black (N1). Some fragments contain brown (10YR 4/3) to dark grayish brown sediment (10YR 4/2) on surface.

Section 1, 25-29cm: Claystone, very dark gray (10YR 3/1).

Core Photo

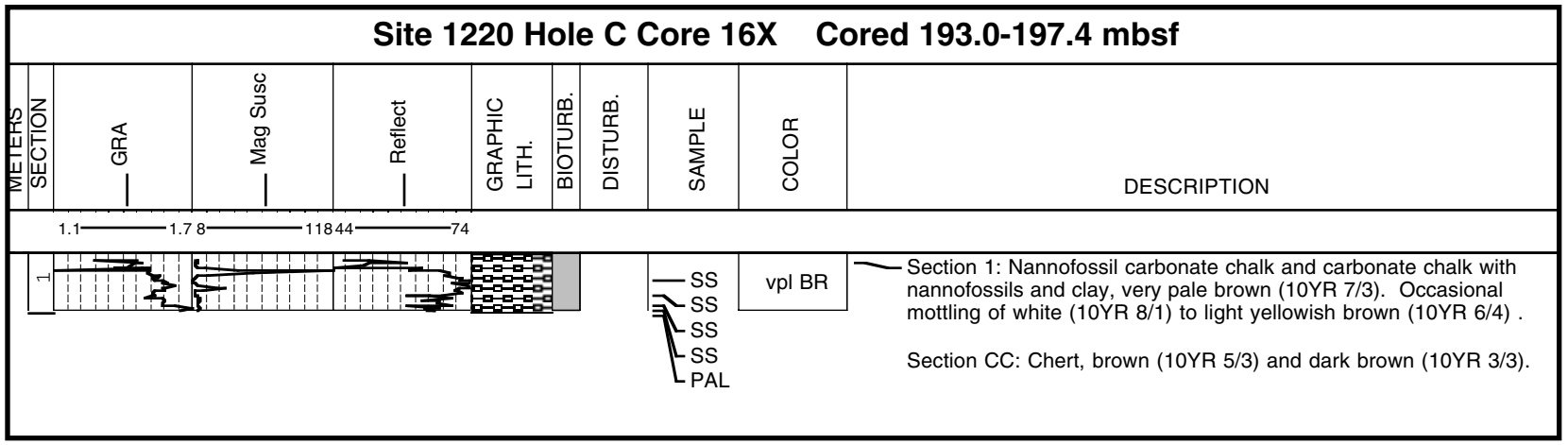

Site 1220 Hole C Core 13X Cored 164.7-173.9 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.4
1.8
3
60
85
Chert gravel, very dark brown (10YR 3/2) to brown (10YR 5/3).

Core Photo



1220C-15X No Recovery

Core Photo


Site 1220 Hole C Core 16X Cored 193.0-197.4 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.1
1.7 8
118 44
74
1
SS
SS
SS
SS
PAL
vpl BR
Section 1: Nannofossil carbonate chalk and carbonate chalk with nannofossils and clay, very pale brown (10YR 7/3). Occasional mottling of white (10YR 8/1) to light yellowish brown (10YR 6/4) .
Section CC: Chert, brown (10YR 5/3) and dark brown (10YR 3/3).

Core Photo

Site 1220 Hole C Core 17X Cored 197.4-204.1 mbsf

METERS	SECTION	GRA	Mag Susc	Reflect	GRAPHIC LITH.	BIOTURB.	DISTURB.	SAMPLE	COLOR	DESCRIPTION
		1.4 — 1.8	-3 — 3	60 — 85						
	1								BK	Basalt, 10 Pieces. Pieces 1a and 2a contain aphanitic basalt with glassy rind. Pieces 3-10 contain fine-grained phaneritic basalt. Phenocrysts up to 3 mm in diameter. All pieces show serpentinized exterior weathering surface; interior surfaces show common oxidized weathering. Pieces 8A-10A contain calcite veins.

Sample									Texture			Mineral								Biogenic										
Leg	Site	Hole	Core	Coretype	Section	Top Interval (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Calcite (30)	Carbonate (35)	Clay Mineral (47)	Dolomite (62)	Fe Oxide (68)	Opaques (140)	Volcanic Glass (81)	Zeolite (222)	Calcispheres (29)	Coccolith (51)	Diatoms (58)	Discoaster (61)	Fish Remains (74)	Foraminifers (78)	Nannofossils (132)	Radiolarians (173)	Siliceous Sponge Spicules (185)	Silicoflagellates (189)	Comments
Hole A																														
199	1220	A	1	H	1	110	1.10	D			100			75		*			10		*	5					5	5		Clay with zeolites
199	1220	A	1	H	5	130	7.30	D			100			75		15			5		*						*	5		Clay with iron oxides
199	1220	A	2	H	4	90	14.90	D			100			82		6			12											Clay with zeolites
199	1220	A	2	H	6	126	18.26	M			100			90		10		*												Clay with Fe-oxides
199	1220	A	2	H	7	11	18.61	D			100			95		2		*	3											Clay
199	1220	A	3	H	1	5	19.05	D			100			92		3		*	5											Clay
199	1220	A	3	H	1	12	19.12	D			100			60		5		1	2								32			Radiolarian clay
199	1220	A	3	H	1	40	19.40	D			100			40		3		*	1								56			Clayey radiolarian ooze
199	1220	A	3	H	1	63	19.63	M			100			25		1		*	1								73			Radiolarian ooze with clay
199	1220	A	3	H	4	70	24.15	D			100			20		4						1				35	40			Nannofossil radiolarian ooze with clay
199	1220	A	3	H	5	17	24.62	D			100			15		5			*			1				1	78			Radiolarian ooze with clay
199	1220	A	3	H	7	111	28.56	D			100			20		2	3					1					74			Radiolarian ooze with clay
199	1220	A	4	H	2	94	30.94	D			100			20		3	2	*				*				10	65			Radiolarian ooze with clay and nannofossils
199	1220	A	4	H	4	110	34.10	D			100			20			2	*				*				*	78			Radiolarian ooze with clay
199	1220	A	4	H	6	123	37.23	D			100			20			2									30	48			Nannofossil radiolarian ooze with clay
199	1220	A	5	H	2	69	40.19	D			100			20		2	3	1				*				54	20			Nannofossil ooze with clay and radiolarians
199	1220	A	5	H	2	121	40.71	D			100			20		5		*				1				15	59			Radiolarian ooze with clay and nannofossils
199	1220	A	5	H	5	122	45.22	D			100			10			2					1				84	3			Nannofossil ooze with clay
199	1220	A	5	H	7	70	47.70	D			100			5		3						1			*	76	15			Nannofossil ooze with radiolarians
199	1220	A	6	H	1	44	47.94	D			100			5		3						1				85	6			Nannofossil ooze
199	1220	A	6	H	3	24	50.74	D			100	20		5			2	1				2				5	65			Radiolarian ooze with calcite
199	1220	A	6	H	4	111	53.11	D			100			5		2									*	88	5			Nannofossil ooze
199	1220	A	6	H	6	40	55.40	D			100			5		5		5				2				*	83			Radiolarian ooze
199	1220	A	6	H	7	40	56.90	D			100			5				1				4				80	10			Nannofossil ooze with radiolarians
199	1220	A	7	H	1	66	57.66	D			100			10		1						5				69	15			Nannofossil ooze with radiolarians and clay
199	1220	A	7	H	3	44	60.40	M			100			5								*				80	15			Nannofossil ooze with radiolarians
199	1220	A	7	H	5	49	63.45	D			100			15								20				40	25			Nannofossil ooze with radiolarians, diatoms, and clay
199	1220	A	7	H	7	29	66.25	D			100			5				1				35				39	20			Diatomaceous nannofossil ooze with rads
199	1220	A	7	H	7	41	66.37	M			100			5				10				50				20	15			Diatom ooze with nannofossils, radiolarians and glass
199	1220	A	8	H	1	32	66.82	D			100			2		*						43				35	20			Nannofossil diatom ooze with radiolarians
199	1220	A	8	H	2	109	69.09	M			100			2		3						5				70	20	*		Nannofossil ooze with radiolarians
199	1220	A	8	H	2	121	69.21	M			100			3		2						15				60	20	*		Nannofossil ooze with diatoms and radiolarian
199	1220	A	8	H	2	146	69.46	D			100			5		5	*					25					60	5		Diatomaceous radiolarian ooze
199	1220	A	8	H	4	73	71.73	D			100			1		1						23					70	5		Radiolarian ooze with diatoms
199	1220	A	9	H	4	60	81.10	D			100		1	30		10	2					*		*		1	55	1		Clayey radiolarian ooze with iron oxide
199	1220	A	9	H	5	100	83.00	M			100			18		1	*					*		*		80		1	*	Radiolarian ooze with clay
199	1220	A	10	H	1	117	86.67	M			100			45		5						5					40	5		Radiolarian clay
199	1220	A	10	H	5	44	91.94	D			100			40		10			5			*				*	36	9		Radiolarian clay with iron oxide
199	1220	A	11	H	1	30	95.30	D			100			40			*										58	2		Clayey radiolarian ooze
199	1220	A	11	H	4	100	100.50	D			100			10		5	1					5					75	4		Radiolarian ooze with clay
199	1220	A	11	H	5	139	102.39	M			100						10					20					70	*		Radiolarian ooze with diatoms and opaque minerals

Sample									Texture			Mineral								Biogenic										
Leg	Site	Hole	Core	Coretype	Section	Top Interval (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Calcite (30)	Carbonate (35)	Clay Mineral (47)	Dolomite (62)	Fe Oxide (68)	Opaques (140)	Volcanic Glass (81)	Zeolite (222)	Calcispheres (29)	Coccolith (51)	Diatoms (58)	Discoaster (61)	Fish Remains (74)	Foraminifers (78)	Nannofossils (132)	Radiolarians (173)	Siliceous Sponge Spicules (185)	Silicoflagellates (189)	Comments
Hole A (continued)																														
199	1220	A	12	H	1	80	105.30	D			100			20			*					3			*	*	77	*		Radiolarian ooze with clay
199	1220	A	12	H	4	15	109.15	D			100			20		*						5				*	75	*		Radiolarian ooze with clay
199	1220	A	12	H	6	131	113.31	M			100			20			2										78			Radiolarian ooze with clay
199	1220	A	12	H	7	50	114.00	D			100			5		3	2	*									90			Radiolarian ooze
Hole B																														
199	1220	B	1	H	3	70	37.70	D			100			15		5						7					73	*		Radiolarian ooze with clay
199	1220	B	1	H	4	126	39.76	D			100			20		3	1				25	1	35				15	*		Nannofossil ooze with clay and radiolarians
199	1220	B	1	H	6	20	41.70	D			100			5		*						5				75	15			Nannofossil ooze with radiolarians
199	1220	B	2	H	1	125	44.75	D			100			10		8						2				70	10	*		Nannofossil ooze with clay and radiolarians
199	1220	B	2	H	4	60	48.60	M			100			5			8					2				20	65			Radiolarian ooze with nannofossils
199	1220	B	3	H	3	24	56.24	D			100															85	15	*		Nannofossil ooze with radiolarians
199	1220	B	3	H	3	140	57.40	D			100			29				1									68	2		Clayey radiolarian ooze
199	1220	B	3	H	5	72	59.72	M			100											5				75	20	*		Nannofossil ooze with radiolarians
199	1220	B	3	H	7	10	61.60	D			100											3				82	15			Nannofossil ooze with radiolarians
199	1220	B	4	H	3	60	68.10	D			100			15				*	*			25				30	30			Diatom, radiolarian, nannofossil ooze
199	1220	B	4	H	4	38	69.38	D			100							*	*			35				40	25			Diatom, radiolarian, nannofossil ooze with clay
199	1220	B	4	H	6	120	71.80	D			100			47		*	*					3				*	50			Clayey radiolarian ooze
199	1220	B	4	H	7	32	72.42	M			100			35			5	2				5					53			Clayey radiolarian ooze
199	1220	B	5	H	3	100	78.00	D			100			10		*	*					3					87	*		Radiolarian ooze with clay
199	1220	B	5	H	5	22	80.22	M			100			3		10	2					35					50			Diatomaceous radiolarian ooze with Fe-oxides
199	1220	B	6	H	1	40	83.90	D			100			10		5		*				*					85			Radiolarian ooze with clay
199	1220	B	6	H	2	30	85.23	M			100			5		1	4	*				1					89			Radiolarian ooze
199	1220	B	6	H	2	120	86.13	D			100			15		2	2					1					80			Radiolarian ooze with clay
199	1220	B	6	H	5	90	90.23	D			100			10		5	2	*				1					82			Radiolarian ooze with clay
199	1220	B	6	H	6	135	92.18	D			100			15		5	5	1									74			Radiolarian ooze with clay
199	1220	B	6	H	7	60	92.93	D			100			15		4	4	1									76			Radiolarian ooze with clay
199	1220	B	7	H	1	60	93.60	D			100			5		2	3	*				*					90			Radiolarian ooze
199	1220	B	7	H	1	115	94.15	D			100			10		3	2	*				*					85			Radiolarian ooze with clay
199	1220	B	7	H	2	107	95.57	D			100			10		5	5	*									80			Radiolarian ooze with clay
199	1220	B	7	H	3	12	96.12	M			100			5				*				1					94			Radiolarian ooze
199	1220	B	7	H	3	30	96.30	D			100			5		3	2					*					90			Radiolarian ooze
199	1220	B	7	H	3	118	97.18	D			100			10		3	2					*					85			Radiolarian ooze with clay
199	1220	B	7	H	5	64	99.64	D			100			5		1		*				*					94			Radiolarian ooze
199	1220	B	7	H	5	86	99.86	D			100			10		3	3	*				*					84			Radiolarian ooze with clay
199	1220	B	7	H	7	19	102.19	D			100			10		5	5	*				*					80			Radiolarian ooze with clay
199	1220	B	8	H	1	40	102.90	D			100			5		2		*									93			Radiolarian ooze
199	1220	B	8	H	1	56	103.06	M			100			4		1											95			Radiolarian ooze
199	1220	B	8	H	3	90	106.40	D			100			10		4	1										85			Radiolarian ooze with clay
199	1220	B	8	H	4	76	107.76	D			100			15		3	2					*					80			Radiolarian ooze with clay
199	1220	B	8	H	4	100	108.00	D			100			10		2	1	*				3					84			Radiolarian ooze with clay
199	1220	B	8	H	4	130	108.30	D			100			10		2						25					63			Radiolarian ooze with diatoms and clay
199	1220	B	8	H	5	8	108.58	D			100			10		2	1	*				35					52			Diatomaceous radiolarian ooze with clay
199	1220	B	8	H	5	30	108.80	D			100			10		2	2	*				10					76			Radiolarian ooze with diatoms and clay
199	1220	B	8	H	5	124	109.74	M			100			10		1	3					3					83			Radiolarian ooze with clay
199	1220	B	8	H	5	140	109.90	D			100			15		2	3	*				3					77			Radiolarian ooze with clay

Sample									Texture			Mineral								Biogenic										
Leg	Site	Hole	Core	Coretype	Section	Top Interval (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Calcite (30)	Carbonate (35)	Clay Mineral (47)	Dolomite (62)	Fe Oxide (68)	Opaques (140)	Volcanic Glass (81)	Zeolite (222)	Calcispheres (29)	Coccolith (51)	Diatoms (58)	Discoaster (61)	Fish Remains (74)	Foraminifers (78)	Nannofossils (132)	Radiolarians (173)	Siliceous Sponge Spicules (185)	Silicoflagellates (189)	Comments
Hole B (continued)																														
199	1220	B	8	H	7	20	111.70	D			100			10		3	3	*				1					83			Radiolarian ooze with clay
199	1220	B	8	H	7	60	112.10	D			100			15		1	2	*				5					77			Radiolarian ooze with clay
199	1220	B	9	H	1	55	112.55	D			100			15		3		*				2					80			Radiolarian ooze with clay
199	1220	B	9	H	4	43	116.93	D			100			15		3	3	*				*					79			Radiolarian ooze with clay
199	1220	B	9	H	5	108	119.08	D			100			10			5	*									85			Radiolarian ooze with clay
199	1220	B	9	H	6	111	120.61	D			100			10		1	2	*									87			Radiolarian ooze with clay
199	1220	B	10	H	1	49	121.99	D			100			5		1	2	*				*					92			Radiolarian ooze
199	1220	B	10	H	3	81	125.25	M			100			5													95			Radiolarian ooze
199	1220	B	10	H	4	109	127.03	D			100			10		3	3										84			Radiolarian ooze with clay
199	1220	B	10	H	6	94	129.88	D			100			10		3	3	*									84			Radiolarian ooze with clay
199	1220	B	10	H	7	27	130.71	D			100			5		2	2	*									91			Radiolarian ooze
199	1220	B	10	H	7	70	131.14	D			100			15		5	5	*									75	*		Radiolarian ooze with clay
199	1220	B	10	H	CC	9	131.44	D			100			15		10	2	*									73			Radiolarian ooze with clay and Fe-oxides
199	1220	B	11	H	1	80	131.80	D			100			10		3	2	1									84			Radiolarian ooze with clay
199	1220	B	11	H	3	140	135.40	D			100			10		5	3										82			Radiolarian ooze with clay
199	1220	B	11	H	5	119	138.19	M			100			5								*					95			Radiolarian ooze
199	1220	B	11	H	6	30	138.80	D			100			15		8	5	*				*					72			Radiolarian ooze with clay
199	1220	B	12	H	3	130	144.80	D			100			82													15	3		Clay with radiolarians
199	1220	B	13	H	1	68	150.68	D			100			20		2											76	2		Radiolarian ooze with clay
199	1220	B	13	H	1	77	150.77	M			100			50		4											44	2		Radiolarian clay
199	1220	B	13	H	1	90	150.90	D			100			57													40	3		Radiolarian clay
199	1220	B	16	X	2	17	170.77	M			100					9											82	9		Radiolarian ooze
199	1220	B	16	X	2	90	171.50	M		20	80			1				74									20	5		Volcanic ash with radiolarians
199	1220	B	16	X	4	25	173.85	M			100			10		20											65	5		Radiolarian ooze with iron oxide and clay
199	1220	B	16	X	4	85	174.45	D			100			41		5											45	9	*	Clayey radiolarian ooze
199	1220	B	16	X	7	36	178.46	M			100			9		*			*							*	82	9		Radiolarian ooze
199	1220	B	18	X	1	56	188.46	D			100			5												70	25	*		Radiolarian nannofossil ooze
199	1220	B	18	X	3	52	190.74	D			100			10												90	*			Radiolarian ooze
199	1220	B	19	X	1	97	193.37	D			100			6	8	1	*						5			80				Nannofossil ooze
199	1220	B	20	X	1	30	197.70	M			100	20		30	35	5		*								10				Clayey dolomite with calcite and nannofossils
199	1220	B	20	X	1	57	197.97	D			100	2		15	15			*								68				Nannofossil chalk with clay and dolomite
199	1220	B	20	X	1	93	198.33	D			100	5		10	15											70				Nannofossil chalk with dolomite and clay
199	1220	B	20	X	1	128	198.68	D			100	2		5	10											83				Nannofossil chalk with dolomite
199	1220	B	20	X	2	4	198.94	D			100	10			5	*		*								85				Nannofossil chalk with calcite
199	1220	B	20	X	2	8	198.98	D			100	5		5	2					1						87				Nannofossil chalk
199	1220	B	20	X	2	25	199.15	D			100	60			5	*				*					15	20				Carbonate chalk with nannofossils and foraminifers
199	1220	B	20	X	2	32	199.22	D			100	60		10	5	*				*					20	5				Carbonate chalk with foraminifers and clay
199	1220	B	20	X	2	33	199.23	M			100	45		10	5										30	10				Carbonate chalk with foraminifers, nannofossils, and clay
199	1220	B	20	X	2	44	199.34	D			100	78			2					5					5	10				Carbonate chalk with nannofossils
199	1220	B	20	X	2	47.3	199.37	D			100	82		10	5					3					*					Carbonate chalk with clay
199	1220	B	20	X	2	48	199.38	D			100	61		25	10	1				1					2					Carbonate chalk with clay
199	1220	B	20	X	2	54	199.44	D			100	47		35	10	3	5													Clayey carbonate chalk
199	1220	B	20	X	2	59	199.49	D			100	20		35	10	5	30	*								*				Claystone with opaque minerals, nannofossils, and clay

Sample									Texture			Mineral								Biogenic											
Leg	Site	Hole	Core	Coretype	Section	Top Interval (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Calcite (30)	Carbonate (35)	Clay Mineral (47)	Dolomite (62)	Fe Oxide (68)	Opaques (140)	Volcanic Glass (81)	Zeolite (222)	Calcispheres (29)	Coccolith (51)	Diatoms (58)	Discoaster (61)	Fish Remains (74)	Foraminifers (78)	Nannofossils (132)	Radiolarians (173)	Siliceous Sponge Spicules (185)	Silicoflagellates (189)	Comments
Hole B (continued)																														
199	1220	B	20	X	2	63	199.53	D			100			50	5	18	25	2													Claystone with opaques and Fe-oxides
199	1220	B	20	X	2	65	199.55	D			100	45		35	5	4	5	1								5				Clayey carbonate chalk
199	1220	B	20	X	2	66	199.56	D			100	35		20	20	2	5	3							*	15				Carbonate chalk with dolomite, clay and nannofossils
199	1220	B	20	X	2	68	199.58	D			100	68		15	10	2		2								3				Carbonate chalk with clay and dolomite
199	1220	B	20	X	2	70	199.60	D			100	10		35	15		20	5	15											Claystone with opaque minerals, dolomite, zeolite, and calcite
199	1220	B	20	X	2	76	199.66	D			100	58		25	10				2							5				Carbonate chalk with clay and dolomite
199	1220	B	20	X	2	85	199.75	D			100	25		5		*		*								70				Nannofossil chalk with calcite
Hole C																														
199	1220	C	1	H	4	80	30.30	D			100	5		15		*	*	*				1				69	10			Nannofossil ooze with clay and radiolarians
199	1220	C	1	H	4	139	30.89	D			100	5		35		3	2					*				15	40			Clayey radiolarian ooze with nannofossils
199	1220	C	1	H	5	70	31.70	D			100			20		2	3	*								15	60			Radiolarian ooze with clay and nannofossils
199	1220	C	1	H	5	109	32.09	D			100			20		2	3	*				*					75			Radiolarian ooze with clay
199	1220	C	3	H	1	90	70.40	D			100			30		5			*			5			*	50	5	5		Clayey nannofossil ooze
199	1220	C	3	H	7	50	79.00	D			100			35		5						5					50	5	*	Clayey radiolarian ooze
199	1220	C	4	H	3	146	83.46	M			100			20		5						*					66	9		Radiolarian ooze with clay
199	1220	C	6	H	2	100	100.50	D			100			20		*						*					65	10	5	Radiolarian ooze with clay
199	1220	C	6	H	5	70	104.70	D			100			20		*						5					66	9	*	Radiolarian ooze with clay
199	1220	C	6	H	5	88	104.88	M			100			10		*						5					75	5	5	Radiolarian ooze with clay
199	1220	C	6	H	5	126	105.26	M			100			20		5						5					60	5	5	Radiolarian ooze with clay
199	1220	C	8	H	4	80	122.30	D			100			10		*	*					*					88	2		Radiolarian ooze with clay
199	1220	C	8	H	4	139	122.89	M			100			2								7					88	3		Radiolarian ooze
199	1220	C	10	H	3	103	140.03	D			100			10		2	3	1				*					84			Radiolarian ooze with clay
199	1220	C	10	H	4	110	141.60	D			100			15		5	15					2					63			Radiolarian ooze with clay and opaque minerals
199	1220	C	10	H	6	30	143.80	D			100			5		3	1					30					61			Diatomaceous radiolarian ooze
199	1220	C	11	X	2	91	147.91	D			100			20		3	3	1									73			Radiolarian ooze with clay
199	1220	C	11	X	3	40	148.90	D			100			15		2	2	1				*					80			Radiolarian ooze with clay
199	1220	C	11	X	3	59	149.09	D			100			49		10	35		1								5			Opaque mineral rich clay
199	1220	C	11	X	4	120	151.20	D			100			20		3	2	*				*					75			Radiolarian ooze with clay
199	1220	C	11	X	5	81	152.31	D			100			5				*				*					95			Radiolarian ooze
199	1220	C	16	X	1	39	193.39	D			100	43		15	10					1					1	30	*			Nannofossil carbonate silt with clay
199	1220	C	16	X	1	62	193.62	M			100	50		25	5					*						20				Carbonate chalk with clay and nannofossils
199	1220	C	16	X	1	77	193.77	M			100	48		10	15					1					1	25				Carbonate chalk with nannofossils, dolomite, and clay
199	1220	C	16	X	1	83	193.83	M			100	43		20	15					1					1	20				Carbonate chalk with clay and nannofossils