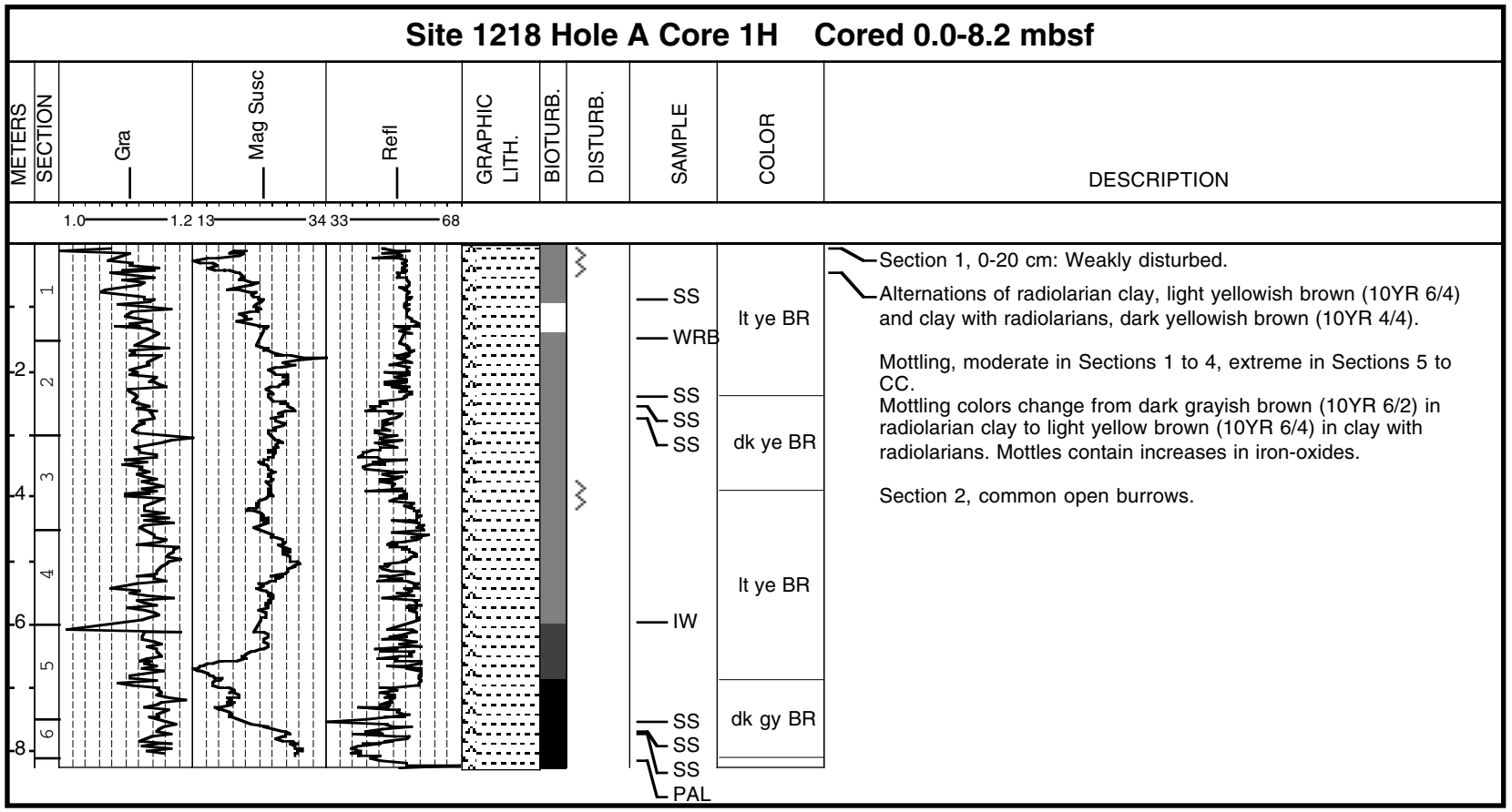
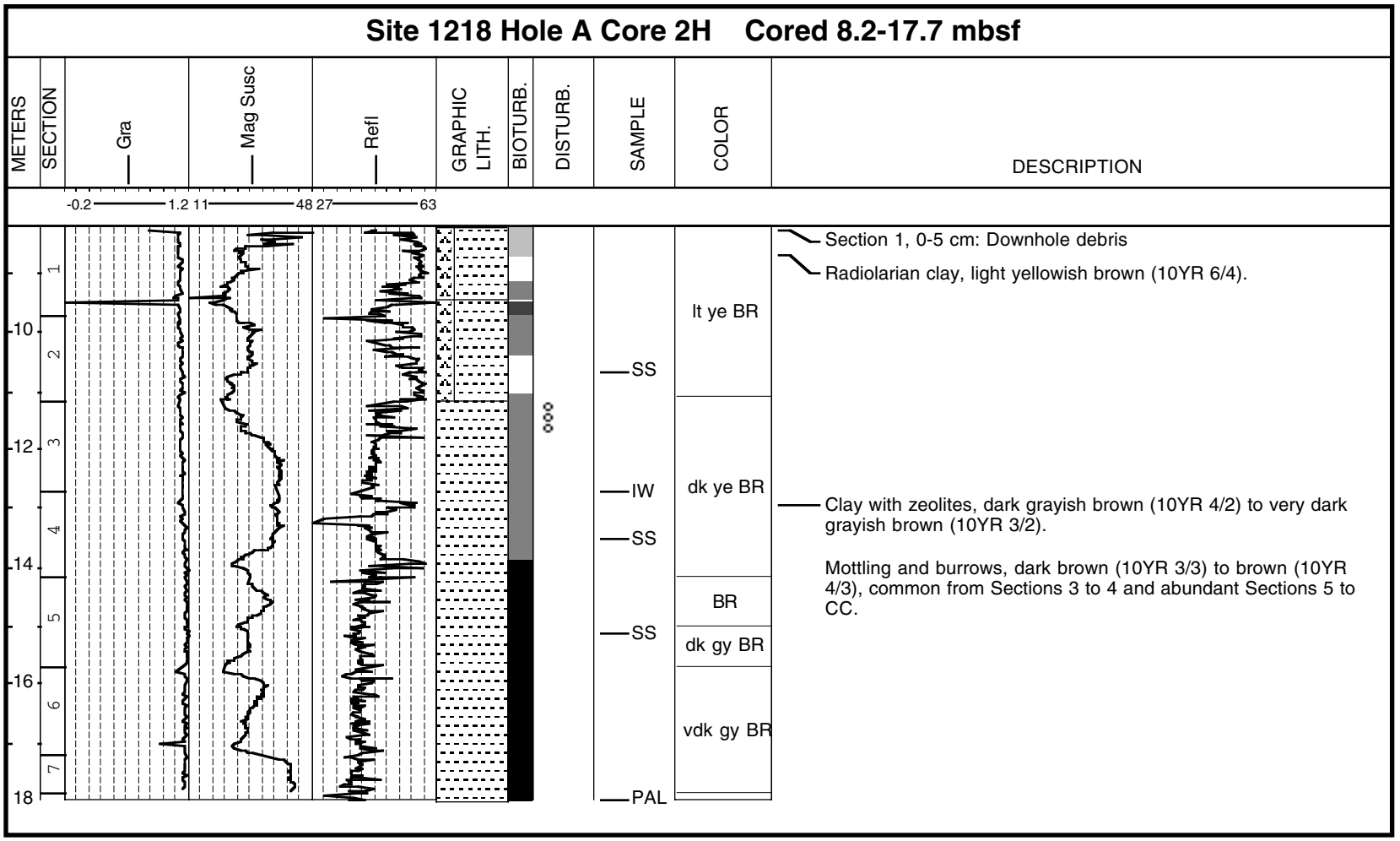
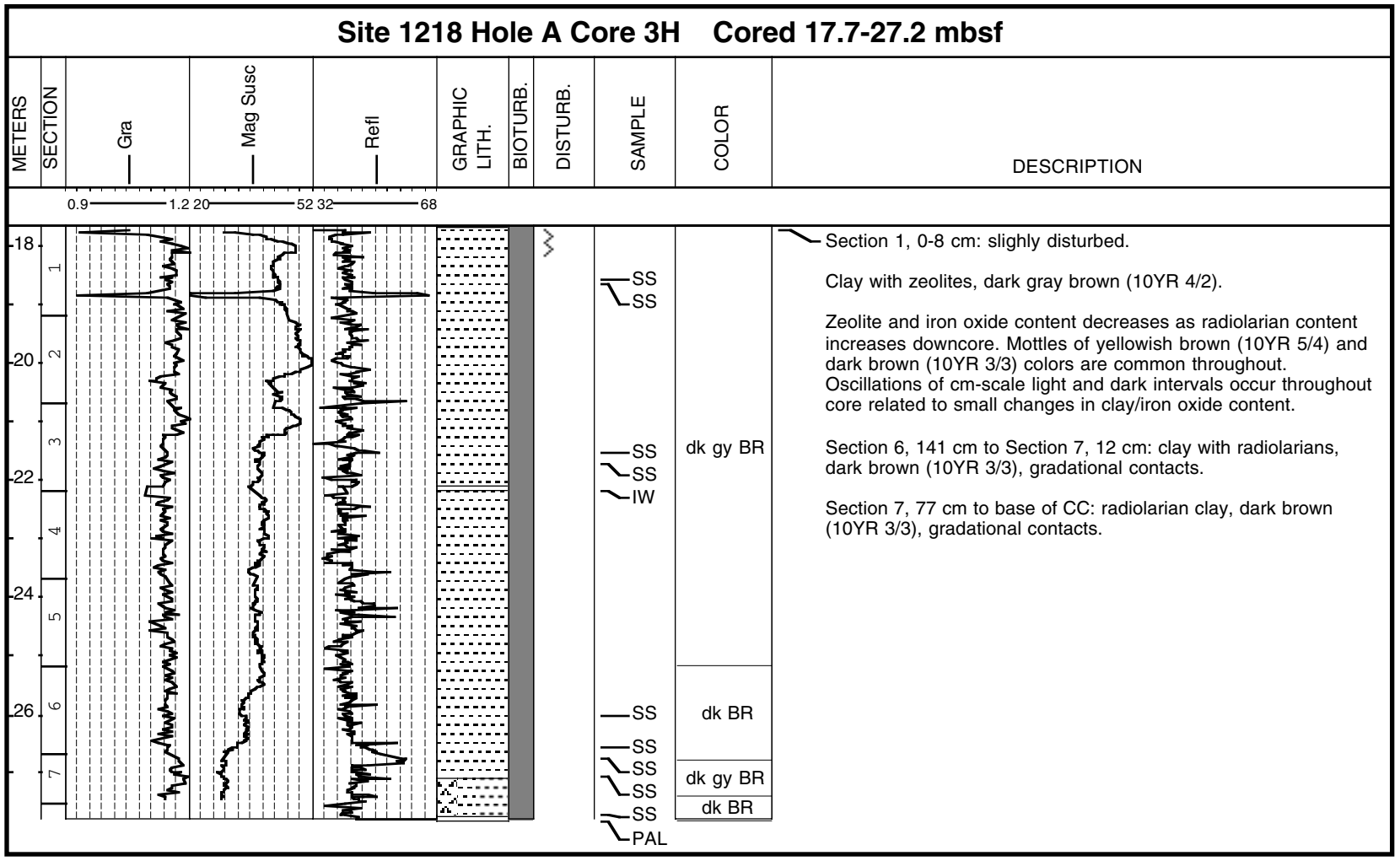
Core Photo


Site 1218 Hole A Core 1H Cored 0.0-8.2 mbsf
METERS
SECTION
Gra
Mag Susc
Refl
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.2
13
34
33
68
SS
WRB
SS
SS
SS
IW
SS
SS
SS
PAL
lt ye BR
dk ye BR
lt ye BR
dk gy BR
Section 1, 0-20 cm: Weakly disturbed.
Alternations of radiolarian clay, light yellowish brown (10YR 6/4) and clay with radiolarians, dark yellowish brown (10YR 4/4).
Mottling, moderate in Sections 1 to 4, extreme in Sections 5 to CC.
Mottling colors change from dark grayish brown (10YR 6/2) in radiolarian clay to light yellow brown (10YR 6/4) in clay with radiolarians. Mottles contain increases in iron-oxides.
Section 2, common open burrows.

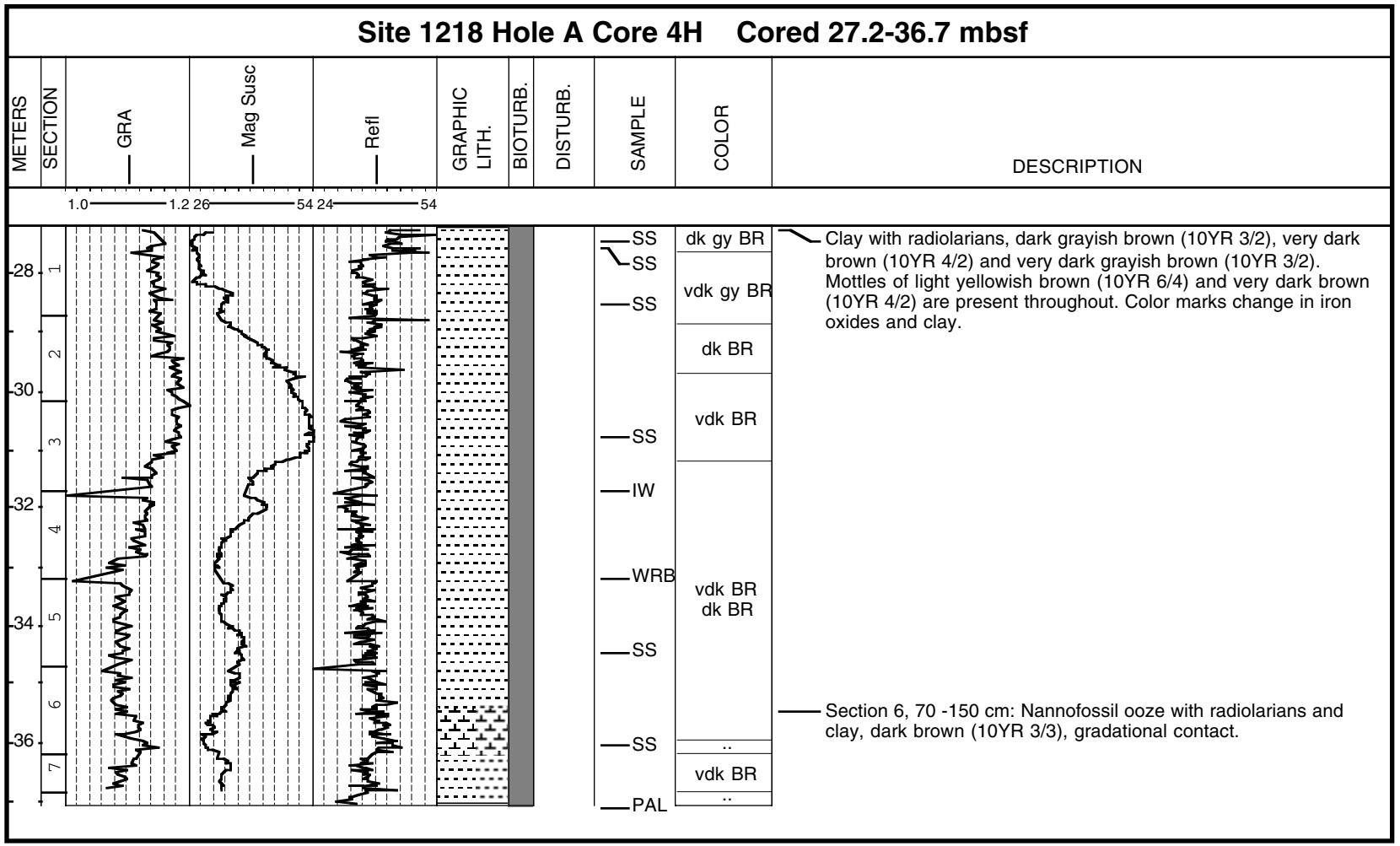
Core Photo


Site 1218 Hole A Core 2H Cored 8.2-17.7 mbsf
METERS
SECTION
Gra
Mag Susc
Refl
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
-0.2
1.2
11
48
27
63
10
12
14
16
18
1
2
3
4
5
6
7
SS
IW
SS
SS
PAL
lt ye BR
dk ye BR
BR
dk gy BR
vdk gy BR
Section 1, 0-5 cm: Downhole debris
Radiolarian clay, light yellowish brown (10YR 6/4).
Clay with zeolites, dark grayish brown (10YR 4/2) to very dark grayish brown (10YR 3/2).
Mottling and burrows, dark brown (10YR 3/3) to brown (10YR 4/3), common from Sections 3 to 4 and abundant Sections 5 to CC.

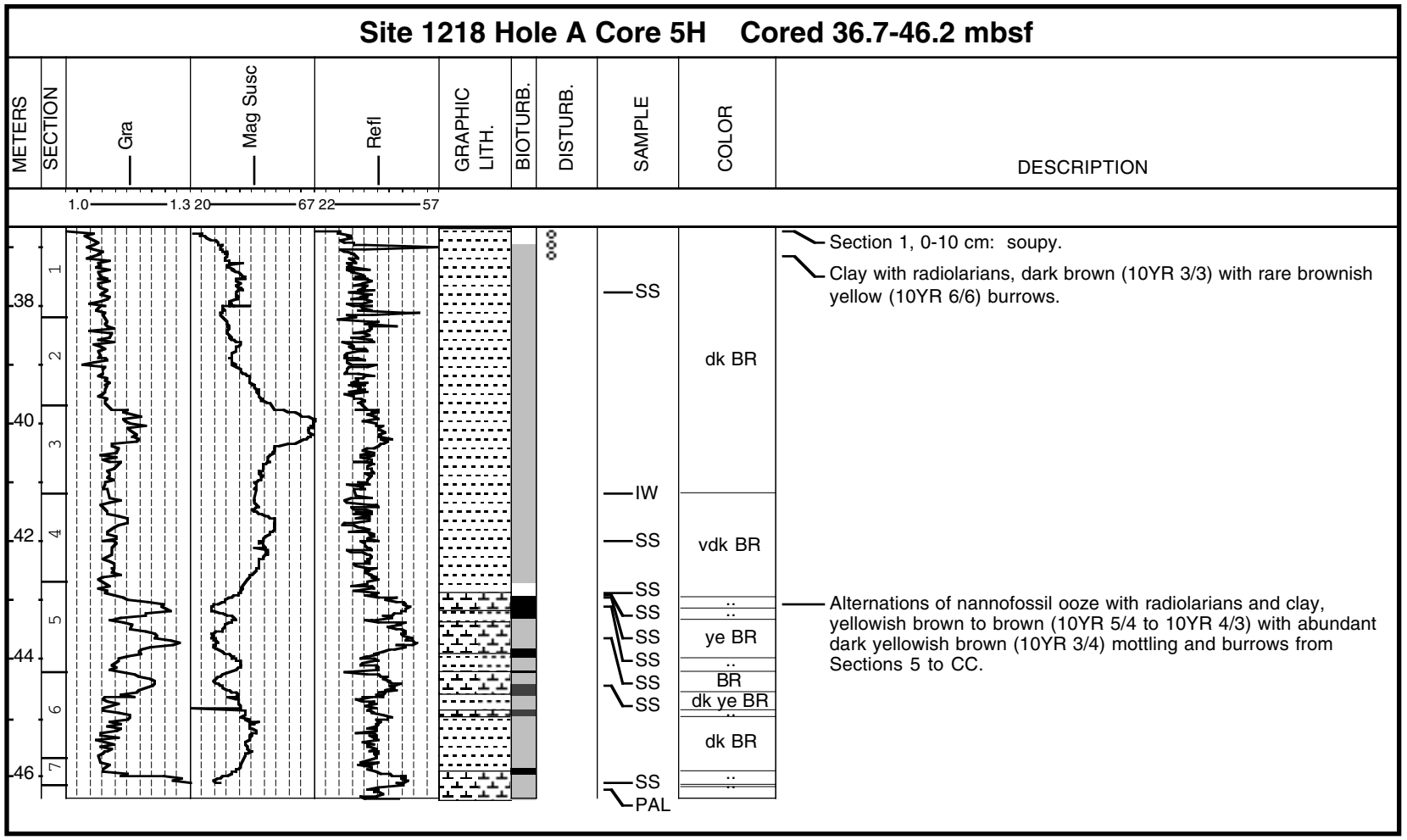
Core Photo


Site 1218 Hole A Core 3H Cored 17.7-27.2 mbsf
METERS
SECTION
Gra
Mag Susc
Refl
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
0.9
1.2
20
52
32
68
18
20
22
24
26
1
2
3
4
5
6
7
SS
SS
SS
SS
IW
SS
SS
SS
SS
PAL
dk gy BR
dk BR
dk gy BR
dk BR
Section 1, 0-8 cm: slighly disturbed.
Clay with zeolites, dark gray brown (10YR 4/2).
Zeolite and iron oxide content decreases as radiolarian content increases downcore. Mottles of yellowish brown (10YR 5/4) and dark brown (10YR 3/3) colors are common throughout. Oscillations of cm-scale light and dark intervals occur throughout core related to small changes in clay/iron oxide content.
Section 6, 141 cm to Section 7, 12 cm: clay with radiolarians, dark brown (10YR 3/3), gradational contacts.
Section 7, 77 cm to base of CC: radiolarian clay, dark brown (10YR 3/3), gradational contacts.

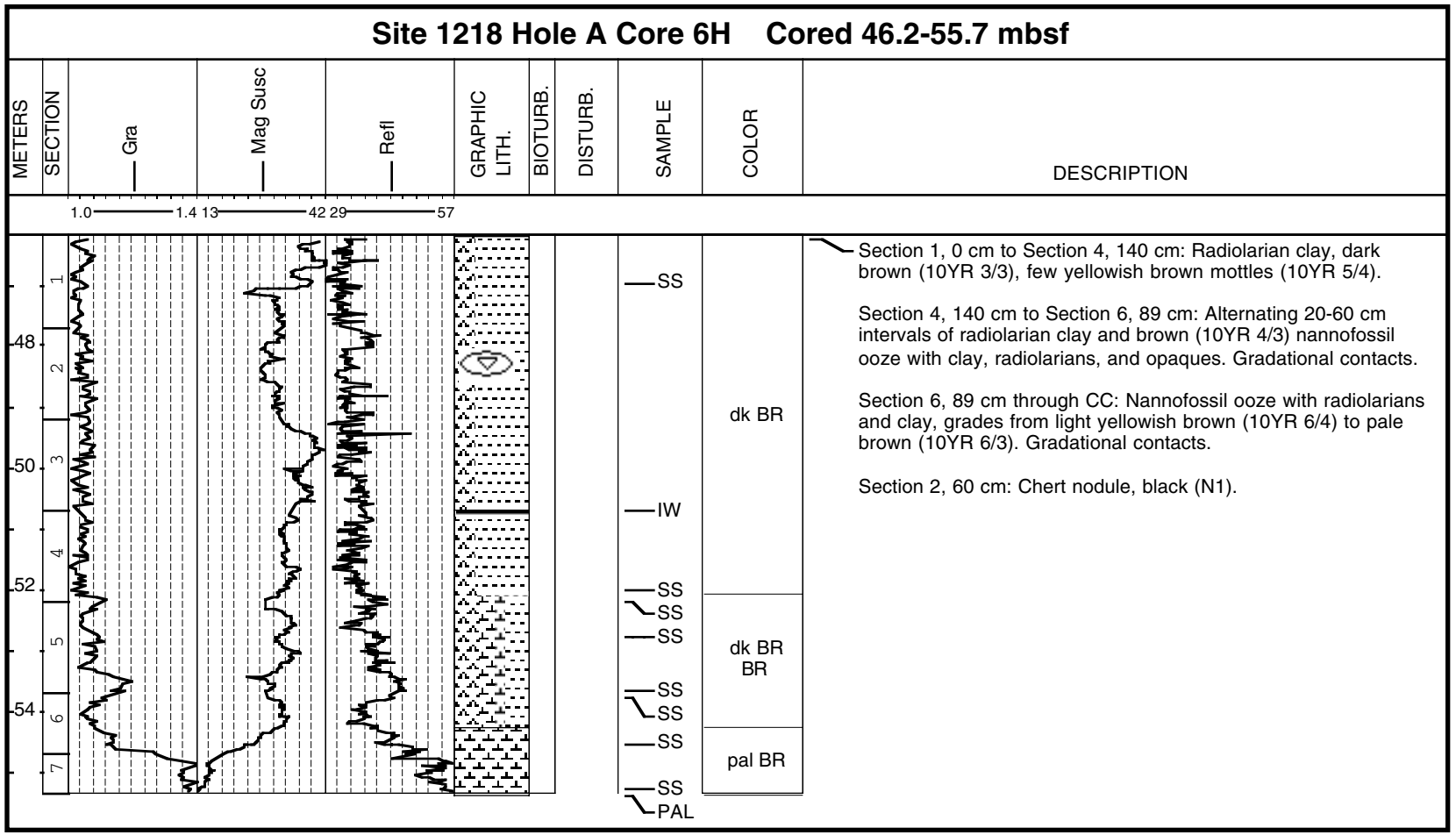
Core Photo


Site 1218 Hole A Core 4H Cored 27.2-36.7 mbsf
METERS
SECTION
GRA
Mag Susc
Refl
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.2
26
54
24
54
28
30
32
34
36
1
2
3
4
5
6
7
SS
SS
SS
SS
IW
WRB
SS
SS
PAL
dk gy BR
vdk gy BR
dk BR
vdk BR
vdk BR
dk BR
..
vdk BR
..
Clay with radiolarians, dark grayish brown (10YR 3/2), very dark brown (10YR 4/2) and very dark grayish brown (10YR 3/2). Mottles of light yellowish brown (10YR 6/4) and very dark brown (10YR 4/2) are present throughout. Color marks change in iron oxides and clay.
Section 6, 70 -150 cm: Nannofossil ooze with radiolarians and clay, dark brown (10YR 3/3), gradational contact.

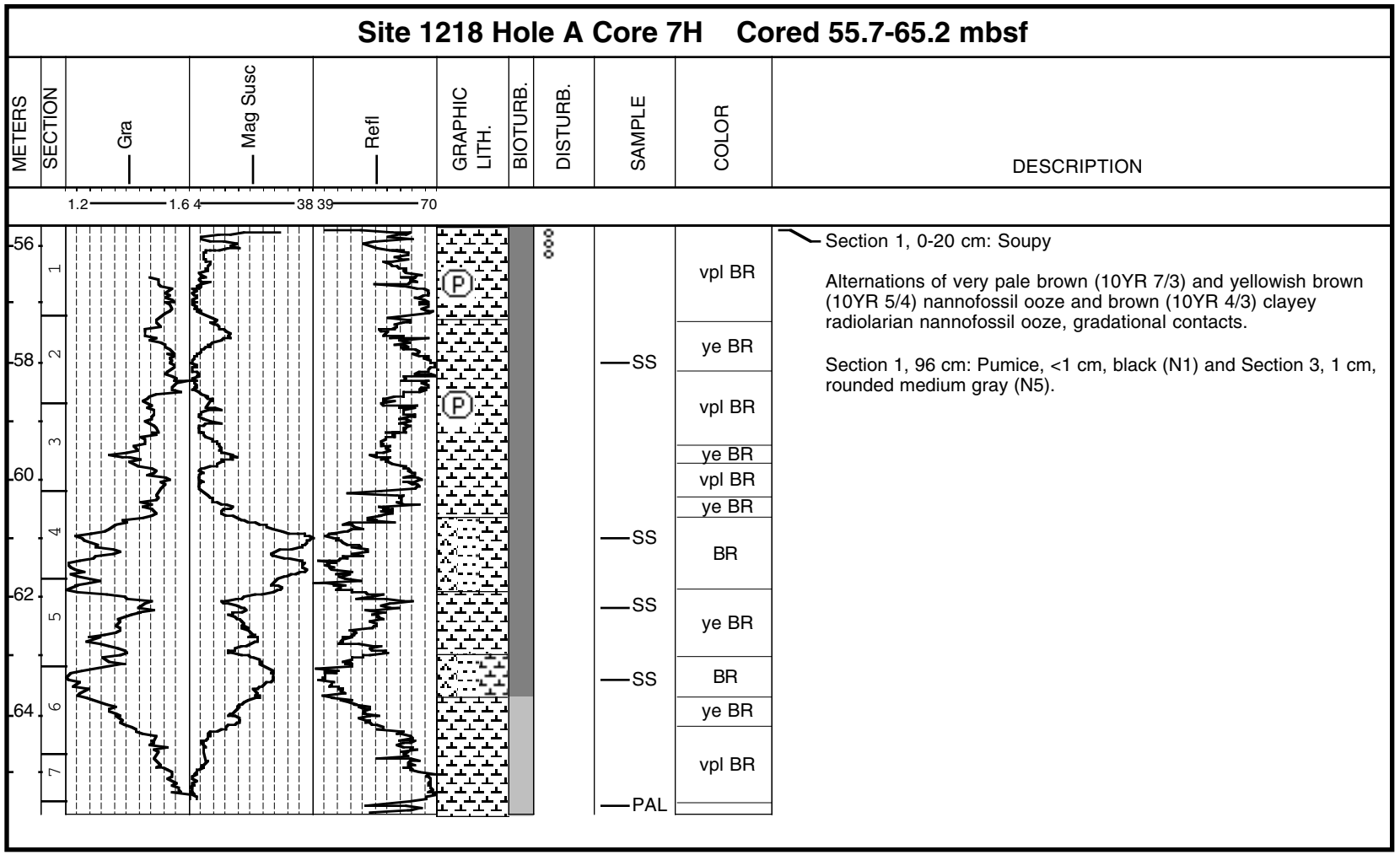
Core Photo


Site 1218 Hole A Core 5H Cored 36.7-46.2 mbsf
METERS
SECTION
Gra
Mag Susc
Refl
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.3
20
67
22
57
38
40
42
44
46
1
2
3
4
5
6
7
SS
IW
SS
SS
SS
SS
SS
SS
SS
SS
PAL
dk BR
vdk BR
ye BR
BR
dk ye BR
dk BR
Section 1, 0-10 cm: soupy.
Clay with radiolarians, dark brown (10YR 3/3) with rare brownish yellow (10YR 6/6) burrows.
Alternations of nannofossil ooze with radiolarians and clay, yellowish brown to brown (10YR 5/4 to 10YR 4/3) with abundant dark yellowish brown (10YR 3/4) mottling and burrows from Sections 5 to CC.

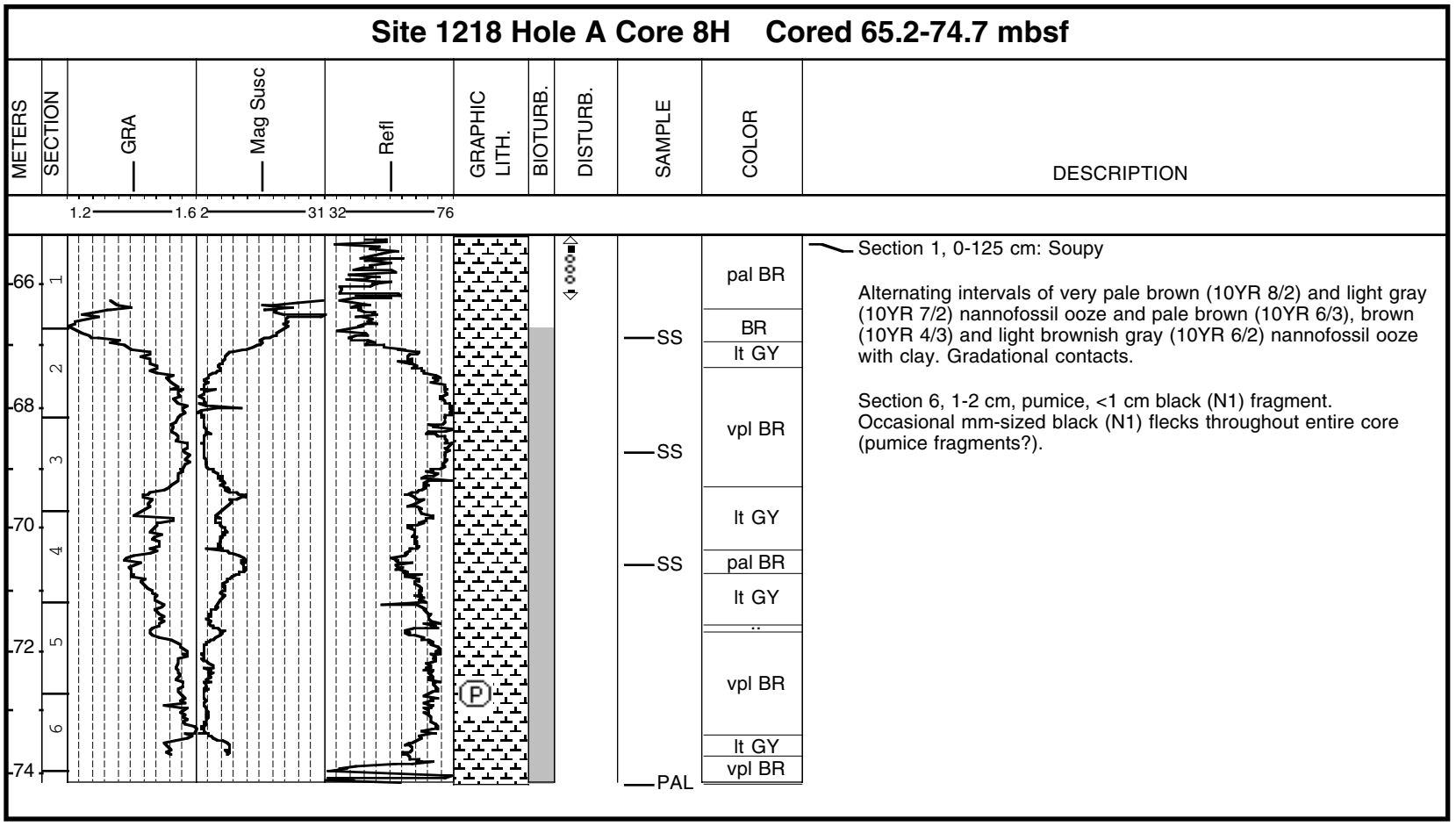
Core Photo


Site 1218 Hole A Core 6H Cored 46.2-55.7 mbsf
METERS
SECTION
Gra
Mag Susc
Refl
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.4
13
42
29
57
48
50
52
54
1
2
3
4
5
6
7
SS
IW
SS
SS
SS
SS
SS
SS
SS
PAL
dk BR
dk BR
BR
pal BR
Section 1, 0 cm to Section 4, 140 cm: Radiolarian clay, dark brown (10YR 3/3), few yellowish brown mottles (10YR 5/4).
Section 4, 140 cm to Section 6, 89 cm: Alternating 20-60 cm intervals of radiolarian clay and brown (10YR 4/3) nannofossil ooze with clay, radiolarians, and opaques. Gradational contacts.
Section 6, 89 cm through CC: Nannofossil ooze with radiolarians and clay, grades from light yellowish brown (10YR 6/4) to pale brown (10YR 6/3). Gradational contacts.
Section 2, 60 cm: Chert nodule, black (N1).

Core Photo

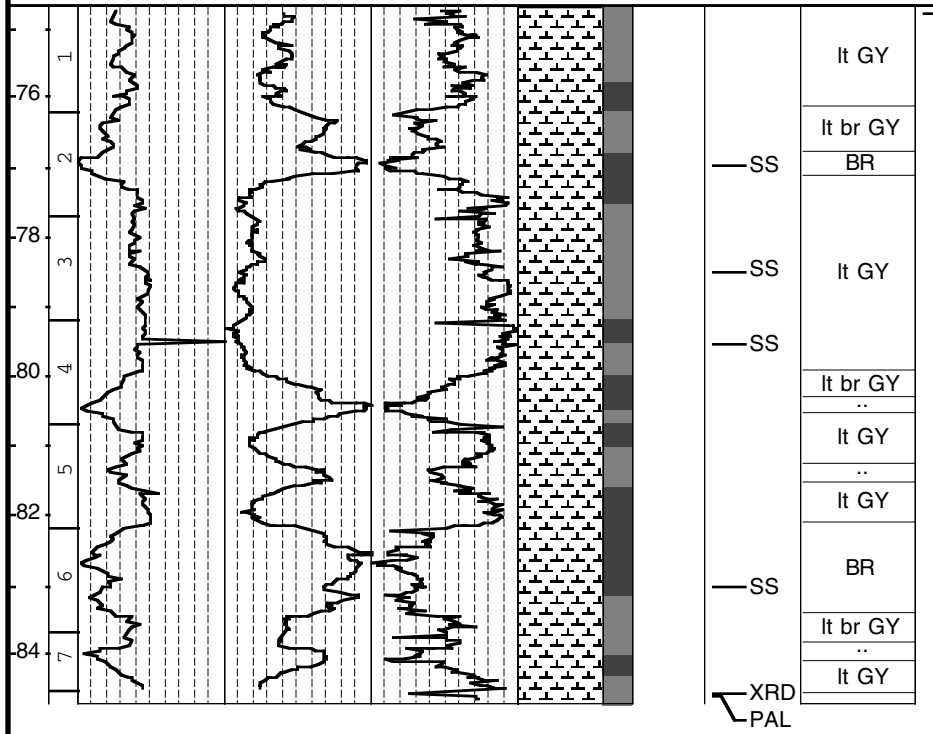

Site 1218 Hole A Core 7H Cored 55.7-65.2 mbsf
METERS
SECTION
Gra
Mag Susc
Refl
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.2
1.6
4
38
39
70
56
58
60
62
64
1
2
3
4
5
6
7
SS
SS
SS
PAL
vpl BR
ye BR
vpl BR
ye BR
vpl BR
ye BR
BR
ye BR
BR
ye BR
vpl BR
Section 1, 0-20 cm: Soupy
Alternations of very pale brown (10YR 7/3) and yellowish brown (10YR 5/4) nannofossil ooze and brown (10YR 4/3) clayey radiolarian nannofossil ooze, gradational contacts.
Section 1, 96 cm: Pumice, <1 cm, black (N1) and Section 3, 1 cm, rounded medium gray (N5).

Core Photo


Site 1218 Hole A Core 8H Cored 65.2-74.7 mbsf
METERS
SECTION
GRA
Mag Susc
Refl
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.2
1.6
2
31
32
76
66
68
70
72
74
1
2
3
4
5
6
SS
SS
SS
PAL
pal BR
BR
lt GY
vpl BR
lt GY
pal BR
lt GY
vpl BR
lt GY
vpl BR
Section 1, 0-125 cm: Soupy
Alternating intervals of very pale brown (10YR 8/2) and light gray (10YR 7/2) nannofossil ooze and pale brown (10YR 6/3), brown (10YR 4/3) and light brownish gray (10YR 6/2) nannofossil ooze with clay. Gradational contacts.
Section 6, 1-2 cm, pumice, <1 cm black (N1) fragment.
Occasional mm-sized black (N1) flecks throughout entire core (pumice fragments?).

Core Photo

Site 1218 Hole A Core 9H Cored 74.7-84.2 mbsf

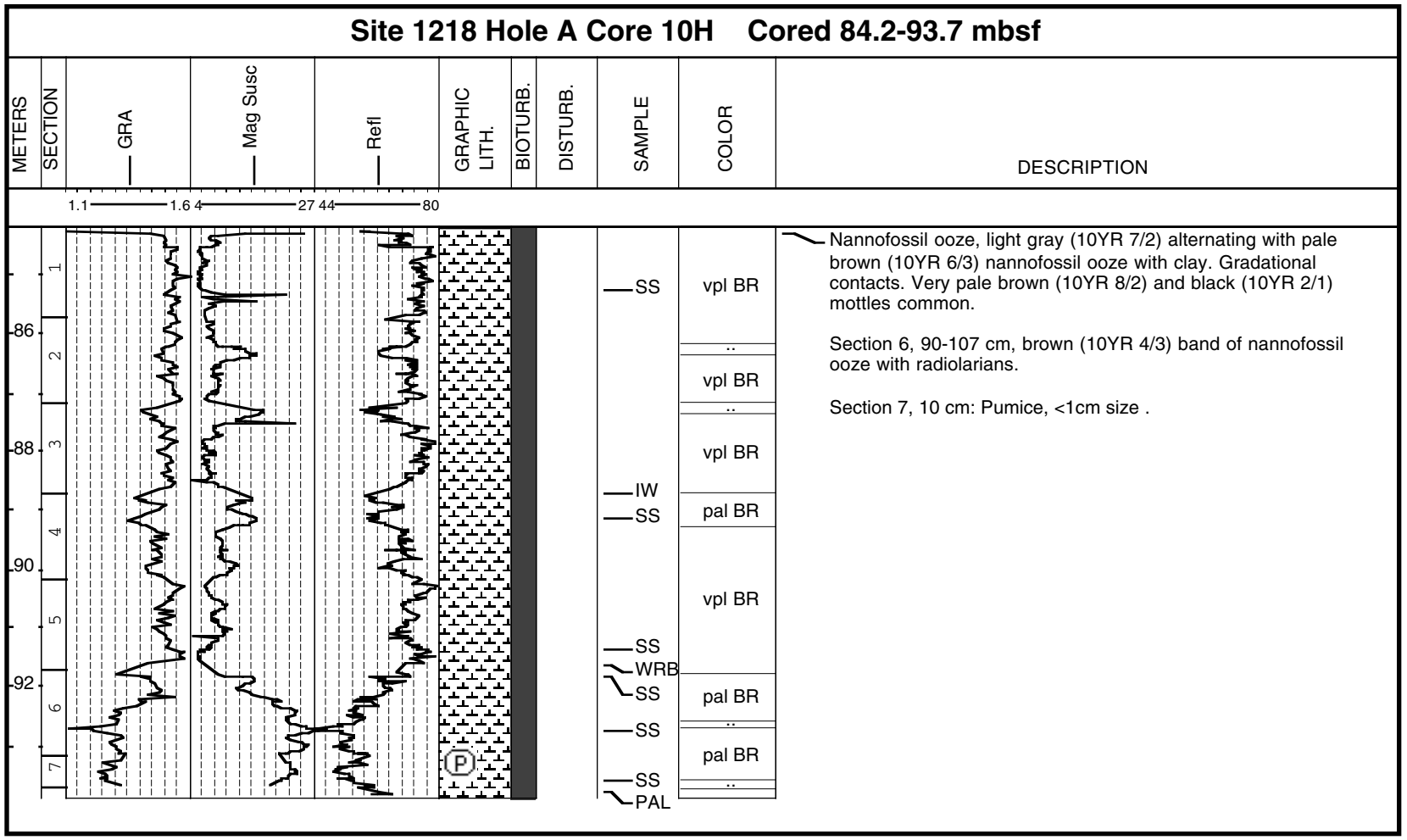


Meter-scale alternating intervals of light gray (10YR 7/2) to light brownish gray (10YR 6/2) nannofossil ooze with radiolarians and brown (10YR 4/3) nannofossil ooze with clay. Color and lithological changes are gradual.

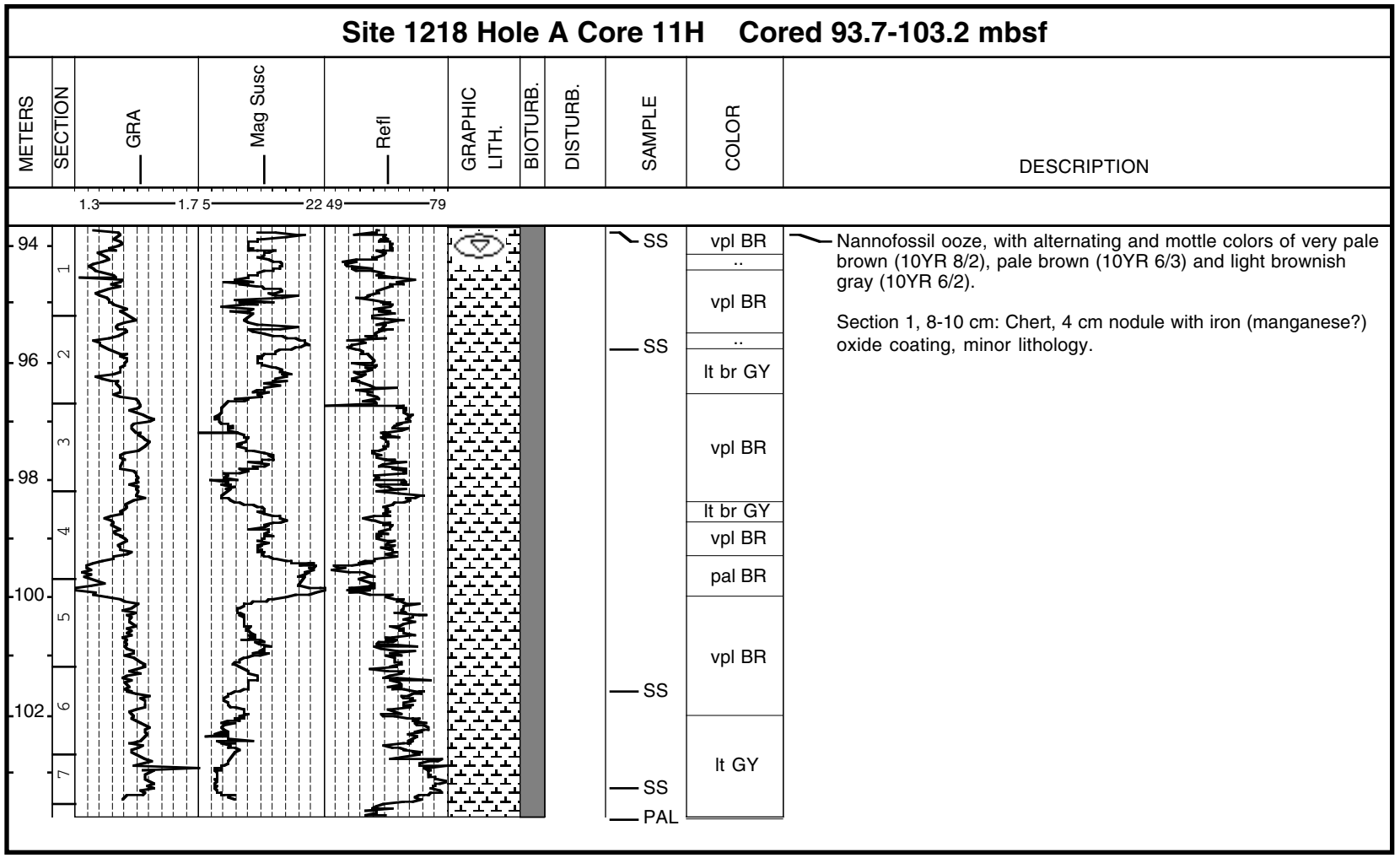
Section 5, 40 and 101 cm: Pumice fragments, small (<2mm), black (N1).

Section 4, 33 cm: Calcite needles (XRD) in small, black (N1) pods. Minor amounts of aragonite throughout main lithology.

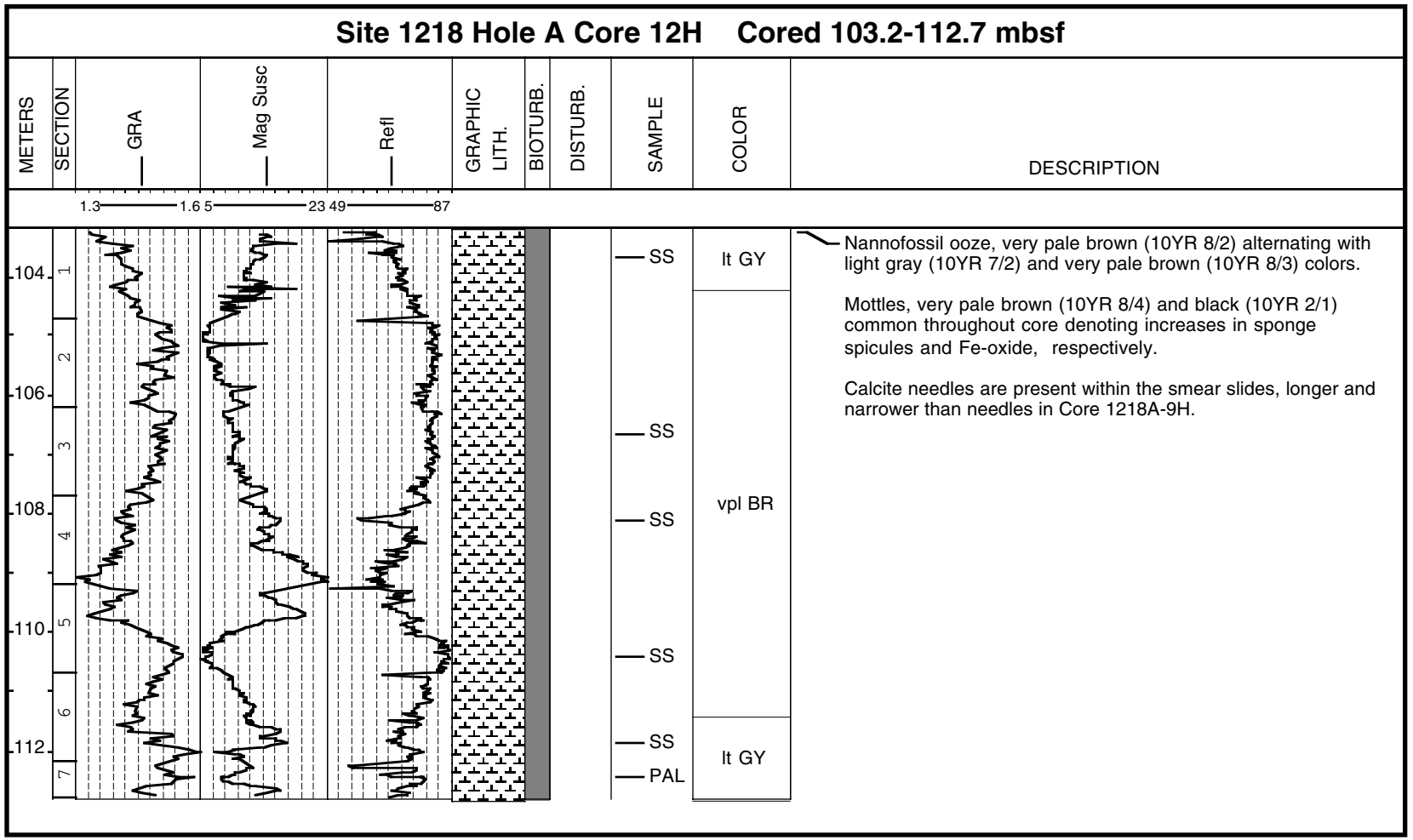
Core Photo


Site 1218 Hole A Core 10H Cored 84.2-93.7 mbsf
METERS
SECTION
GRA
1.1
1.6
Mag Susc
4
27
Refl
44
80
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
86
88
90
92
1
2
3
4
5
6
7
SS
IW
SS
SS
WRB
SS
SS
SS
PAL
vpl BR
vpl BR
vpl BR
pal BR
vpl BR
pal BR
pal BR
Nannofossil ooze, light gray (10YR 7/2) alternating with pale brown (10YR 6/3) nannofossil ooze with clay. Gradational contacts. Very pale brown (10YR 8/2) and black (10YR 2/1) mottles common.
Section 6, 90-107 cm, brown (10YR 4/3) band of nannofossil ooze with radiolarians.
Section 7, 10 cm: Pumice, <1cm size .

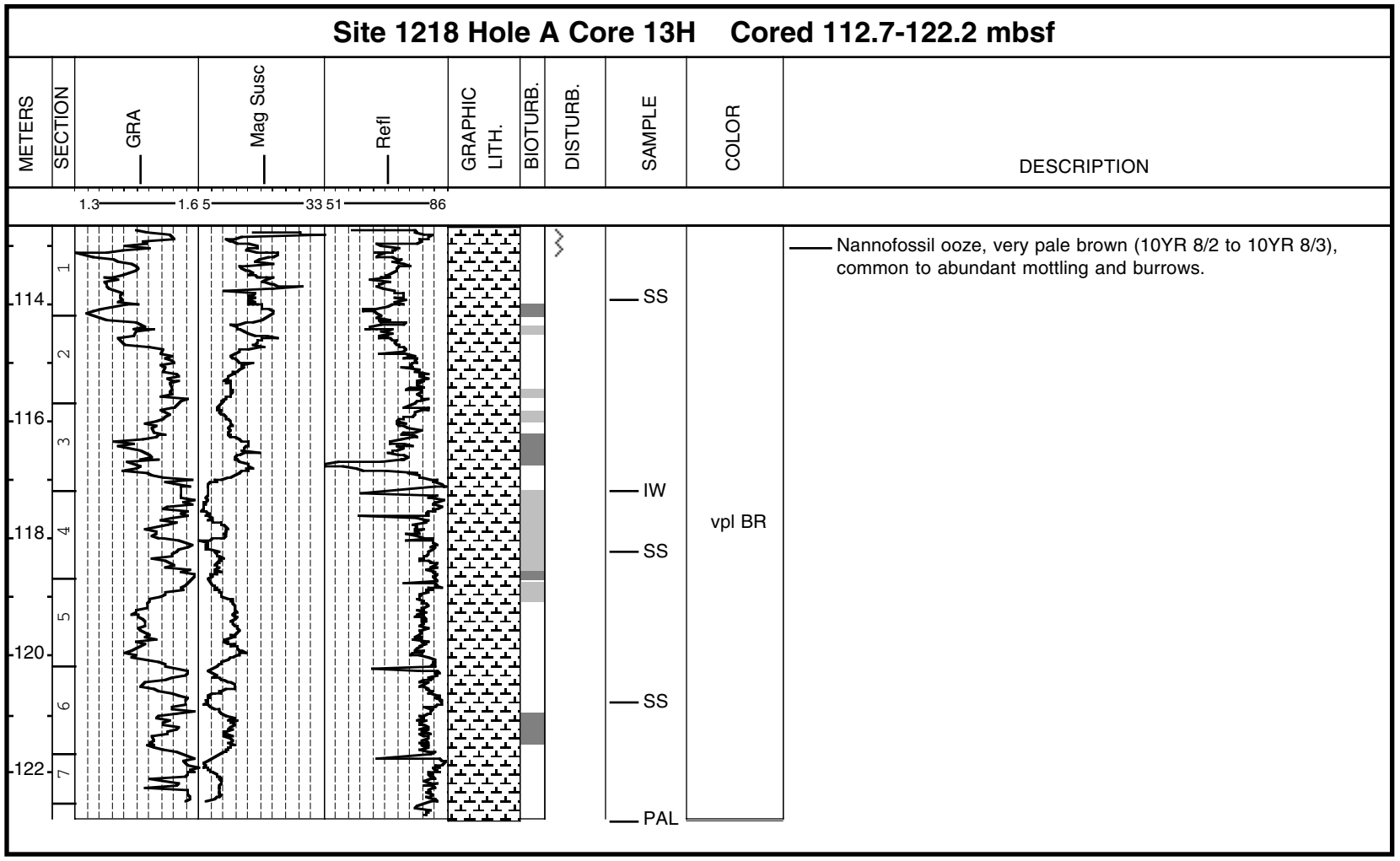
Core Photo


Site 1218 Hole A Core 11H Cored 93.7-103.2 mbsf
METERS
SECTION
GRA
Mag Susc
Refl
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.3
1.7 5
22 49
79
94
96
98
100
102
1
2
3
4
5
6
7
SS
SS
SS
SS
PAL
vpl BR
vpl BR
lt br GY
vpl BR
lt br GY
vpl BR
pal BR
vpl BR
lt GY
Nannofossil ooze, with alternating and mottle colors of very pale brown (10YR 8/2), pale brown (10YR 6/3) and light brownish gray (10YR 6/2).
Section 1, 8-10 cm: Chert, 4 cm nodule with iron (manganese?) oxide coating, minor lithology.

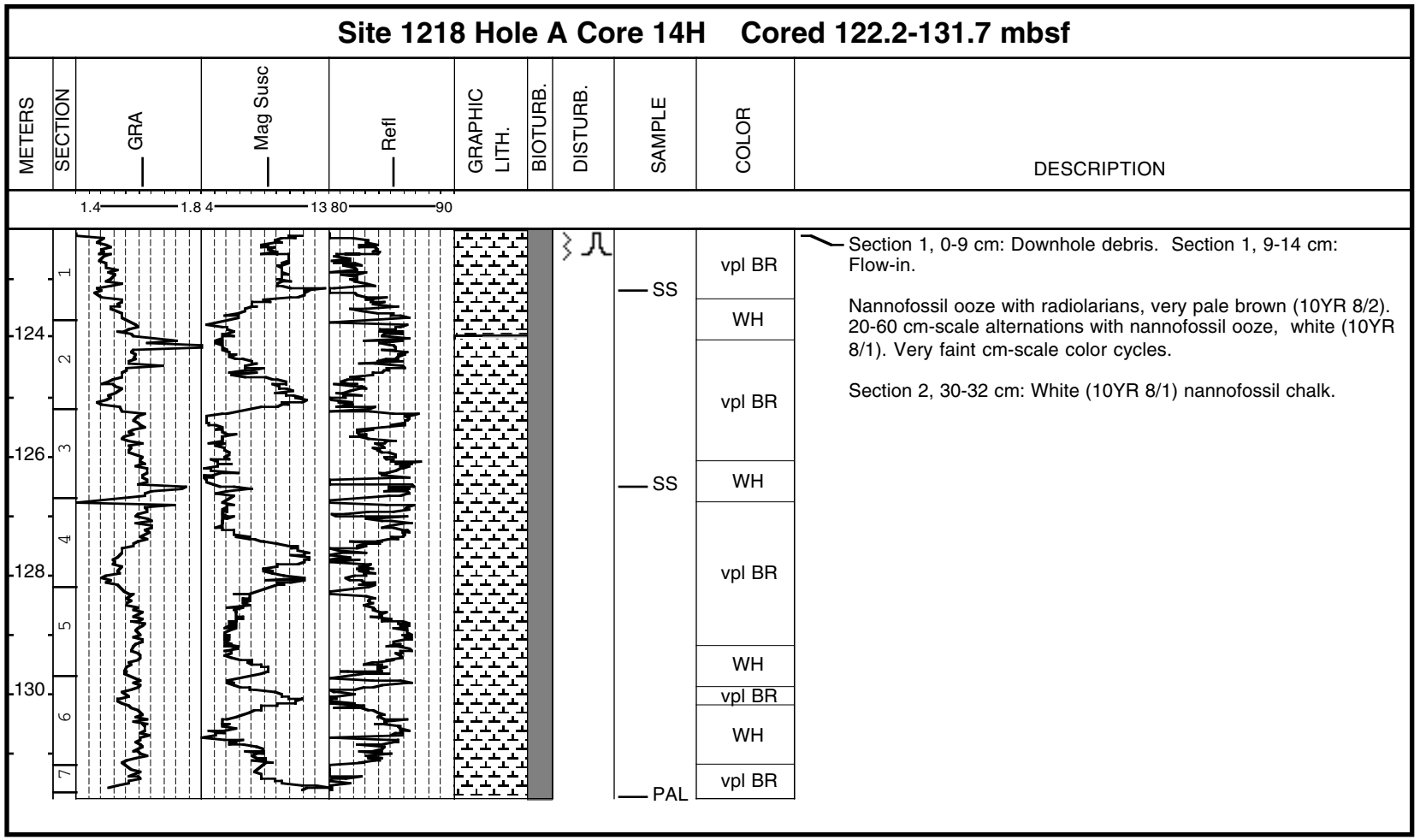
Core Photo


Site 1218 Hole A Core 12H Cored 103.2-112.7 mbsf
METERS
SECTION
GRA
1.3
1.6
Mag Susc
5
23
Refl
49
87
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
104
106
108
110
112
1
2
3
4
5
6
7
SS
SS
SS
SS
SS
PAL
lt GY
vpl BR
lt GY
Nannofossil ooze, very pale brown (10YR 8/2) alternating with light gray (10YR 7/2) and very pale brown (10YR 8/3) colors.
Mottles, very pale brown (10YR 8/4) and black (10YR 2/1) common throughout core denoting increases in sponge spicules and Fe-oxide, respectively.
Calcite needles are present within the smear slides, longer and narrower than needles in Core 1218A-9H.

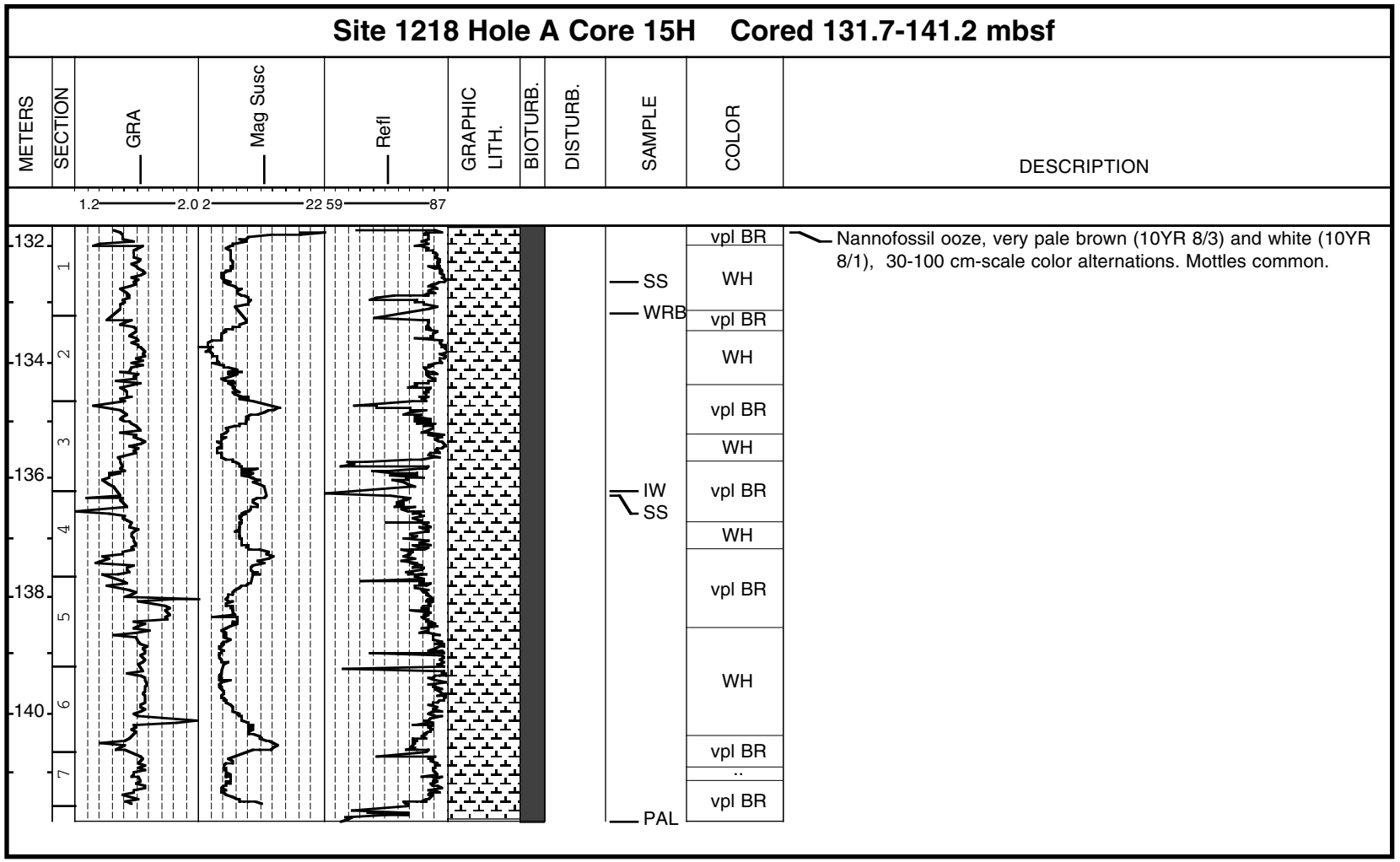
Core Photo


Site 1218 Hole A Core 13H Cored 112.7-122.2 mbsf
METERS
SECTION
GRA
1.3
1.6
Mag Susc
5
33
Refl
51
86
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
114
116
118
120
122
1
2
3
4
5
6
7
SS
IW
SS
SS
PAL
vpl BR
Nannofossil ooze, very pale brown (10YR 8/2 to 10YR 8/3), common to abundant mottling and burrows.

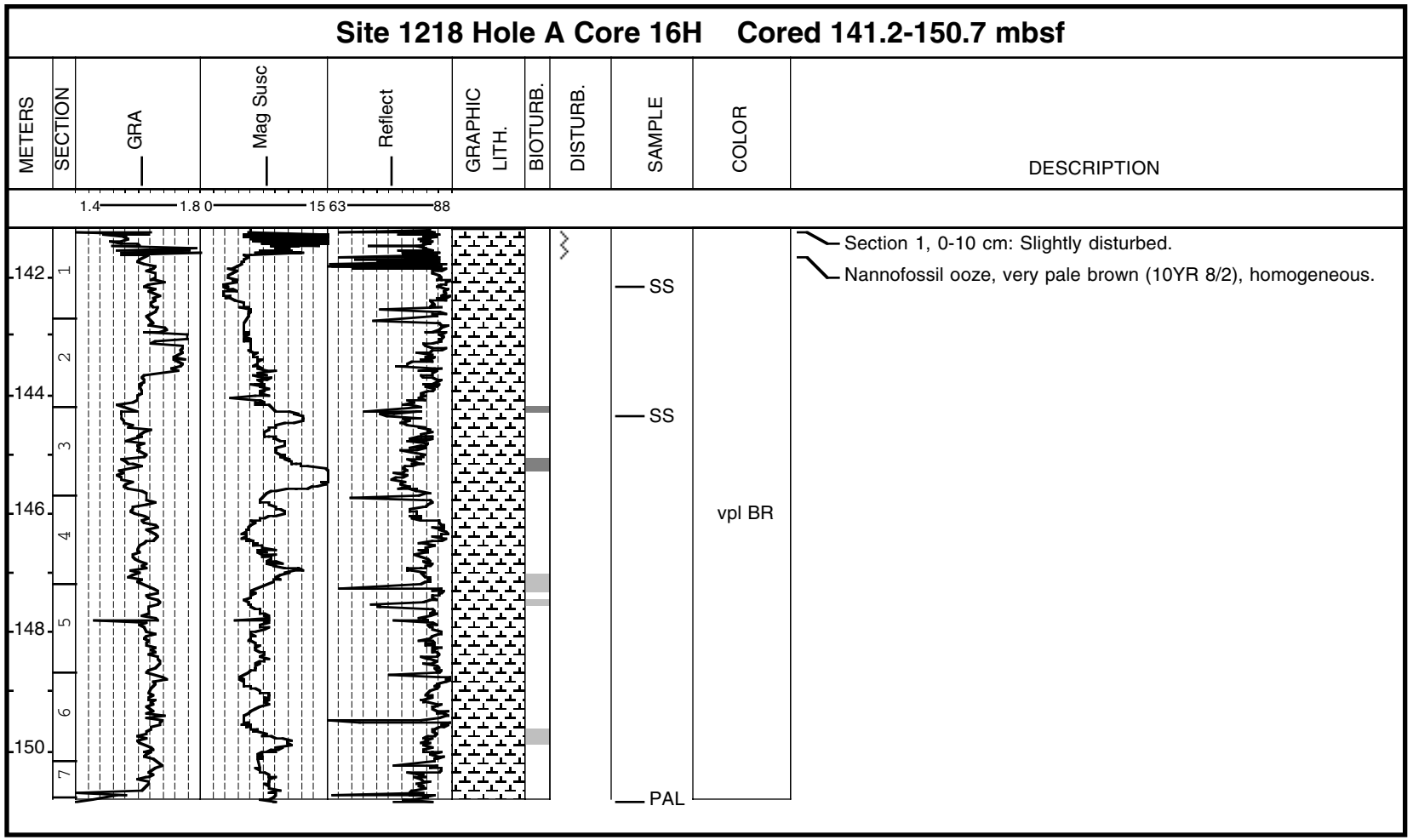
Core Photo


Site 1218 Hole A Core 14H Cored 122.2-131.7 mbsf
METERS
SECTION
GRA
Mag Susc
Refl
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.4
1.8
4
13
80
90
124
126
128
130
1
2
3
4
5
6
7
SS
SS
PAL
vpl BR
WH
vpl BR
WH
vpl BR
WH
vpl BR
WH
vpl BR
Section 1, 0-9 cm: Downhole debris. Section 1, 9-14 cm: Flow-in.
Nannofossil ooze with radiolarians, very pale brown (10YR 8/2). 20-60 cm-scale alternations with nannofossil ooze, white (10YR 8/1). Very faint cm-scale color cycles.
Section 2, 30-32 cm: White (10YR 8/1) nannofossil chalk.

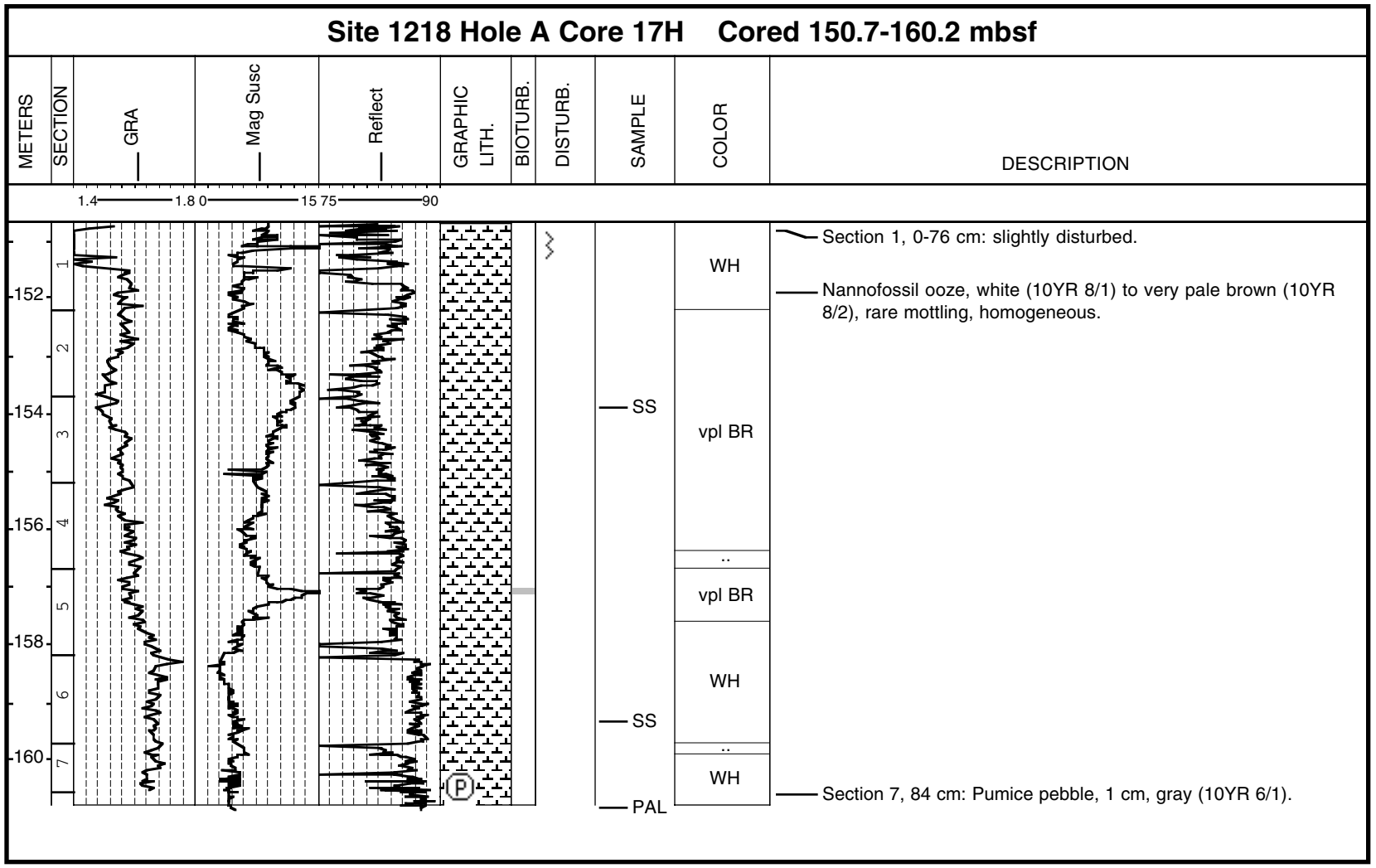
Core Photo


Site 1218 Hole A Core 15H Cored 131.7-141.2 mbsf
METERS
SECTION
GRA
1.2
2.0
Mag Susc
2
22
Refl
59
87
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
132
134
136
138
140
1
2
3
4
5
6
7
SS
WRB
IW
SS
PAL
vpl BR
WH
vpl BR
WH
vpl BR
WH
vpl BR
WH
vpl BR
WH
vpl BR
vpl BR
Nannofossil ooze, very pale brown (10YR 8/3) and white (10YR 8/1), 30-100 cm-scale color alternations. Mottles common.

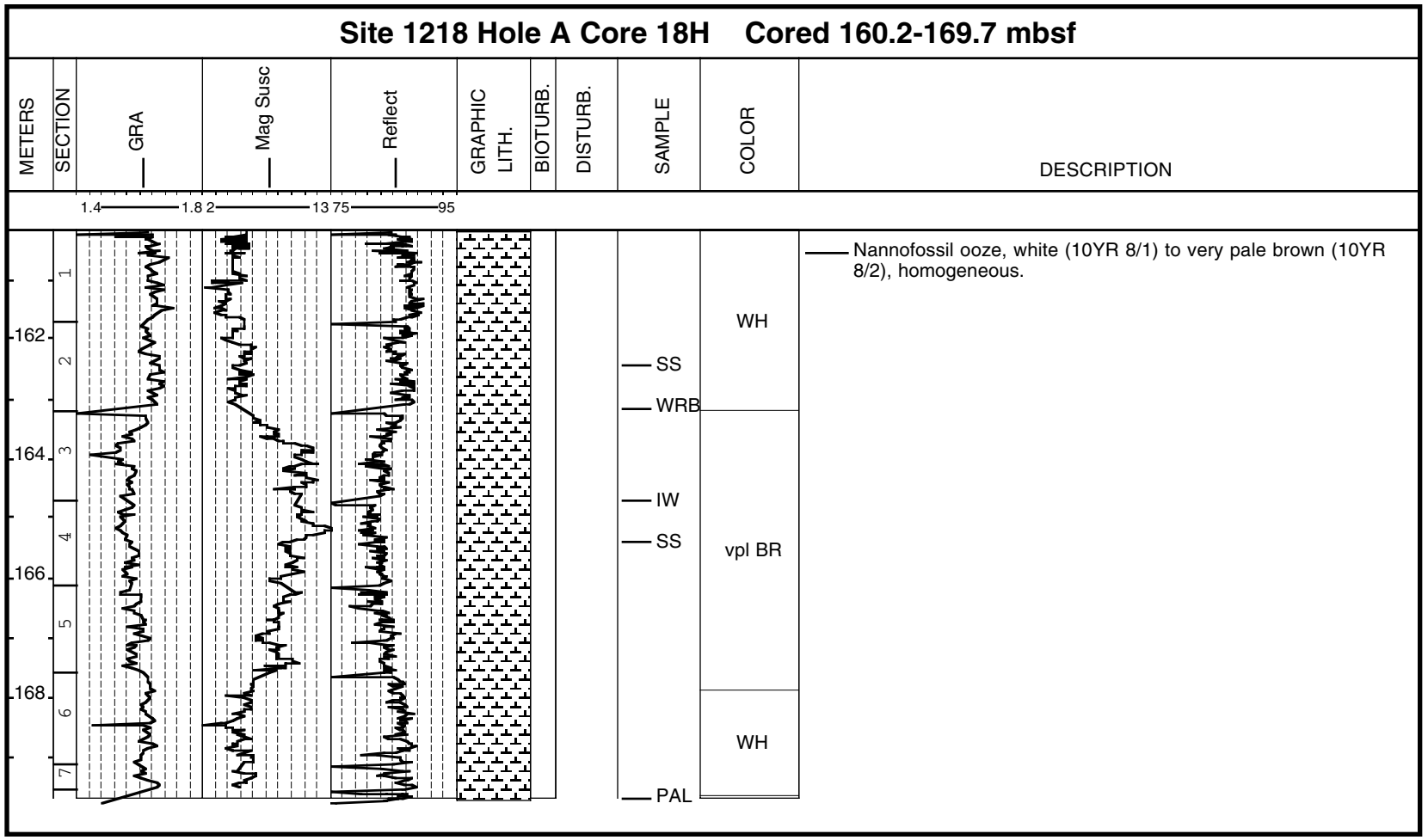
Core Photo


Site 1218 Hole A Core 16H Cored 141.2-150.7 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.4
1.8
0
15
63
88
142
144
146
148
150
1
2
3
4
5
6
7
SS
SS
PAL
vpl BR
Section 1, 0-10 cm: Slightly disturbed.
Nannofossil ooze, very pale brown (10YR 8/2), homogeneous.

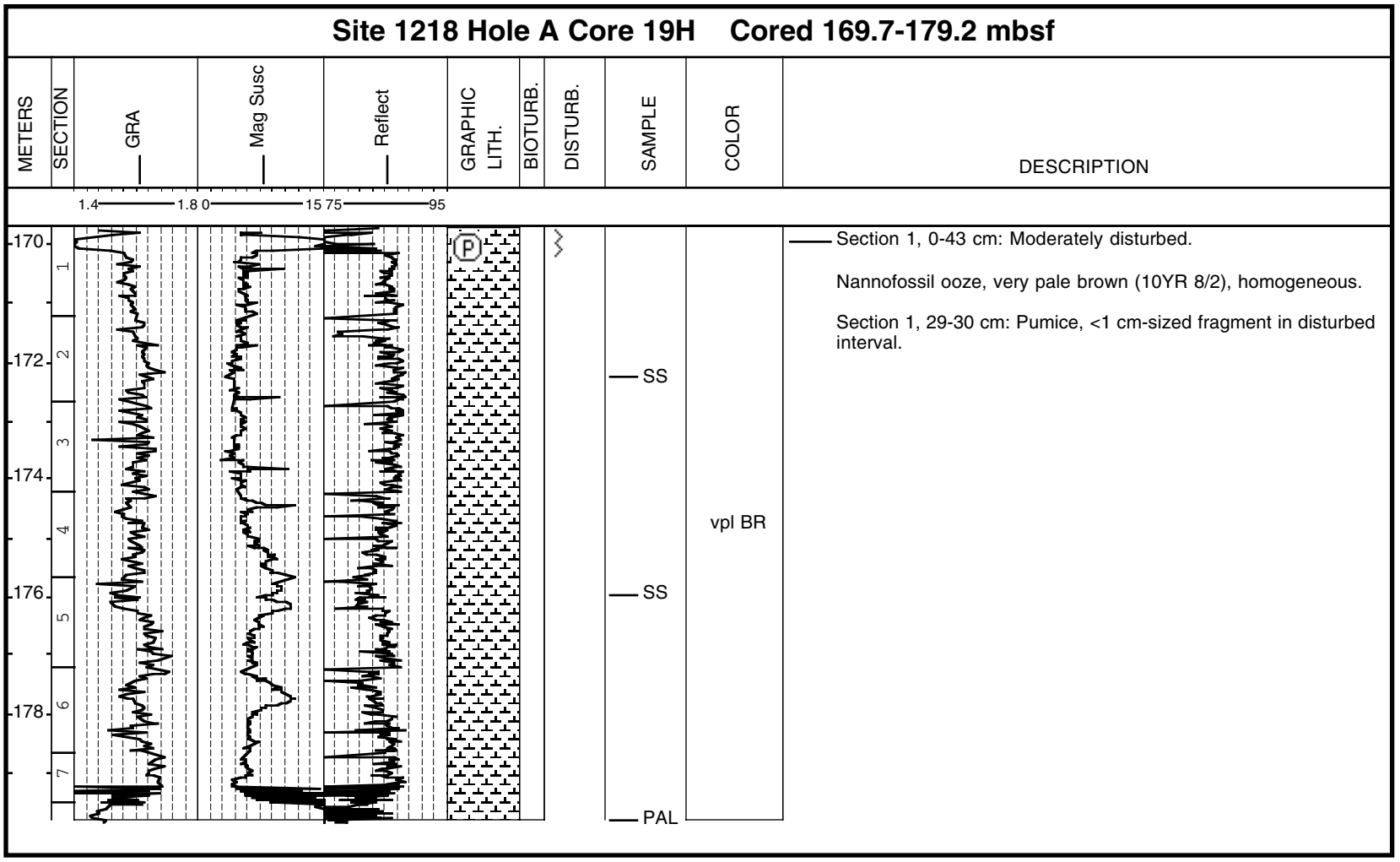
Core Photo


Site 1218 Hole A Core 17H Cored 150.7-160.2 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.4
1.8
0
15
75
90
152
154
156
158
160
1
2
3
4
5
6
7
SS
SS
PAL
WH
vpl BR
vpl BR
WH
WH
Section 1, 0-76 cm: slightly disturbed.
Nannofossil ooze, white (10YR 8/1) to very pale brown (10YR 8/2), rare mottling, homogeneous.
Section 7, 84 cm: Pumice pebble, 1 cm, gray (10YR 6/1).

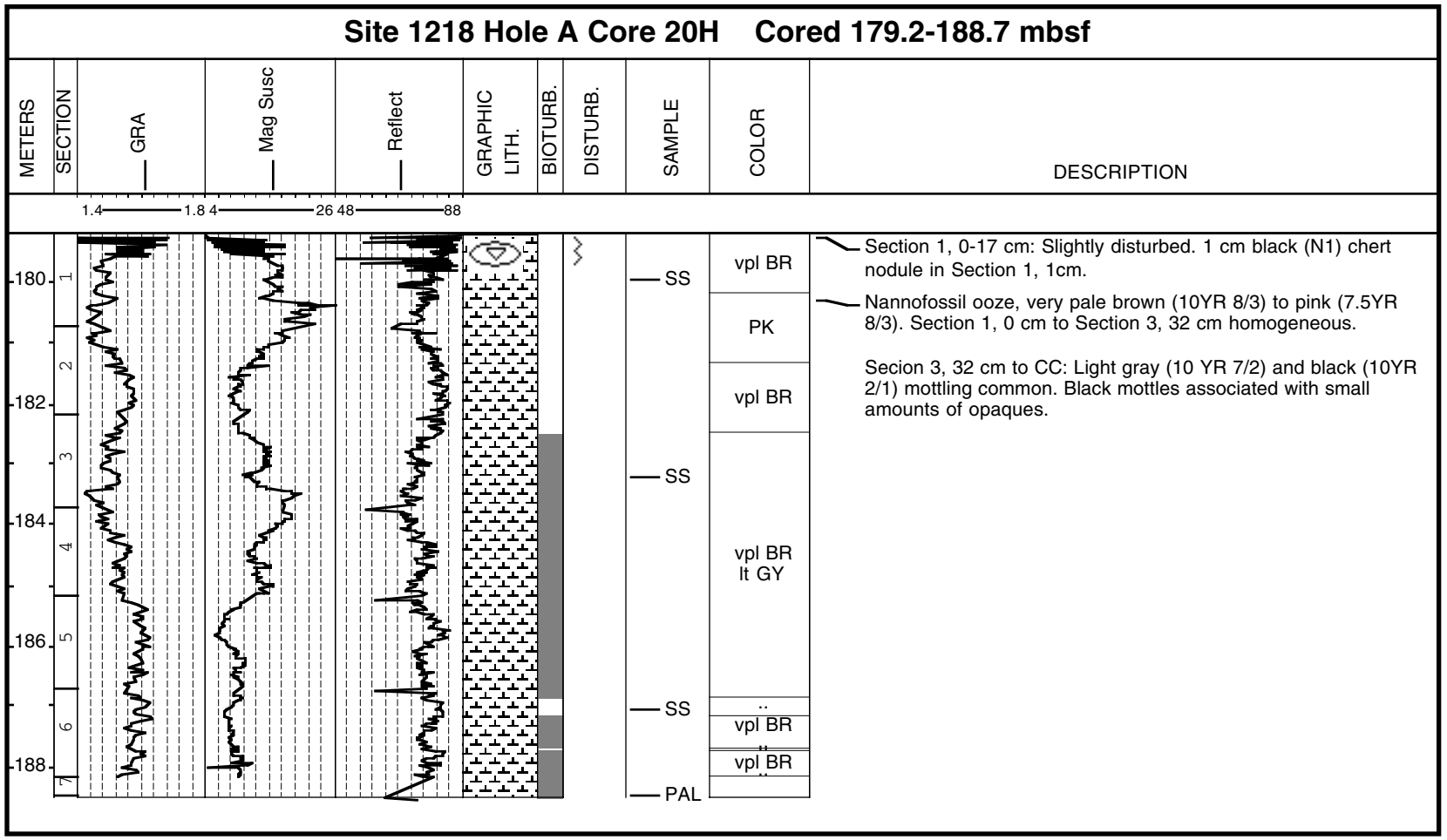
Core Photo


Site 1218 Hole A Core 18H Cored 160.2-169.7 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.4
1.8
2
13
75
95
162
164
166
168
1
2
3
4
5
6
7
SS
WRB
IW
SS
PAL
WH
vpl BR
WH
Nannofossil ooze, white (10YR 8/1) to very pale brown (10YR 8/2), homogeneous.

Core Photo

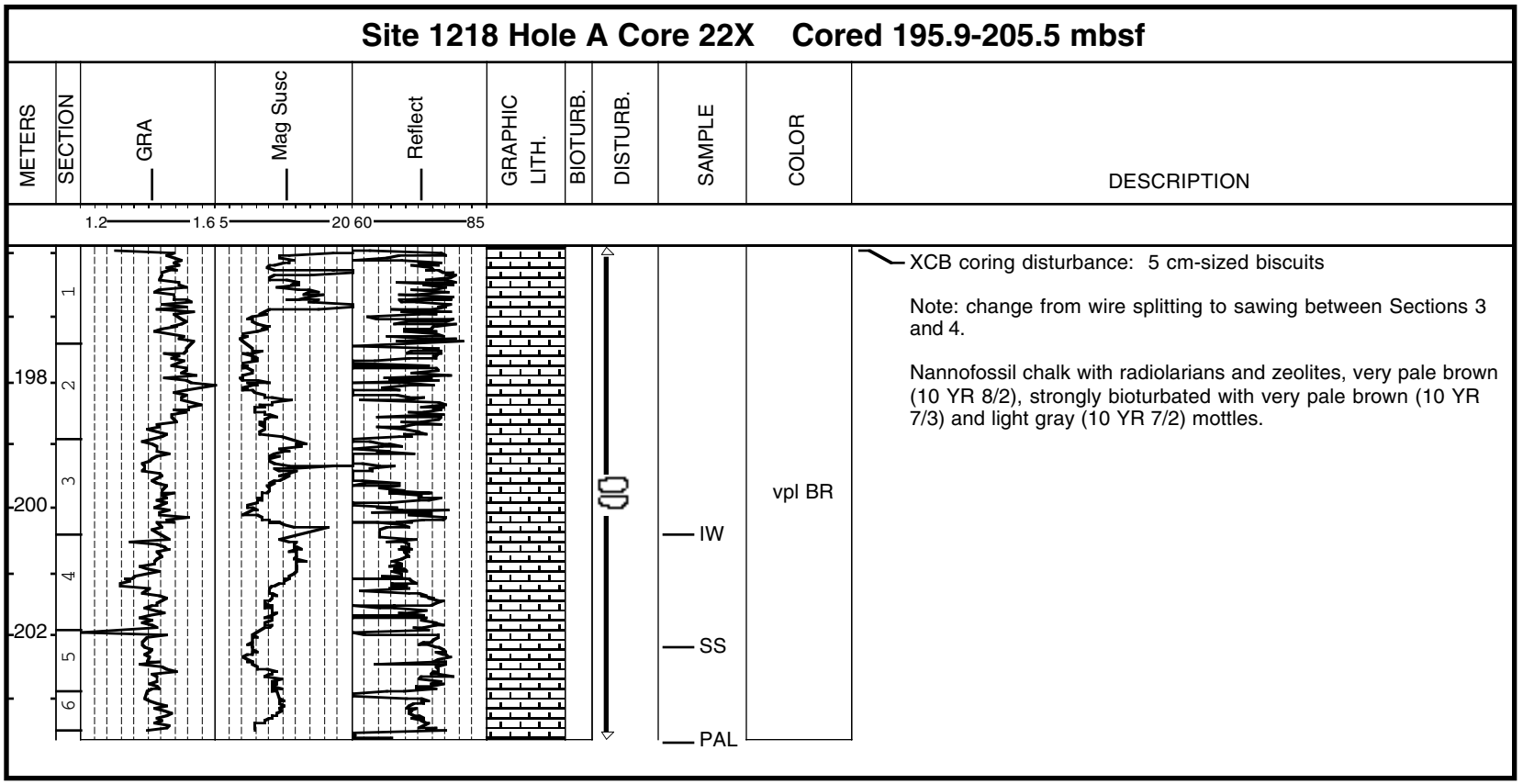

Site 1218 Hole A Core 19H Cored 169.7-179.2 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.4
1.8
0
15
75
95
170
172
174
176
178
1
2
3
4
5
6
7
P
SS
SS
PAL
vpl BR
Section 1, 0-43 cm: Moderately disturbed.
Nannofossil ooze, very pale brown (10YR 8/2), homogeneous.
Section 1, 29-30 cm: Pumice, <1 cm-sized fragment in disturbed interval.

Core Photo

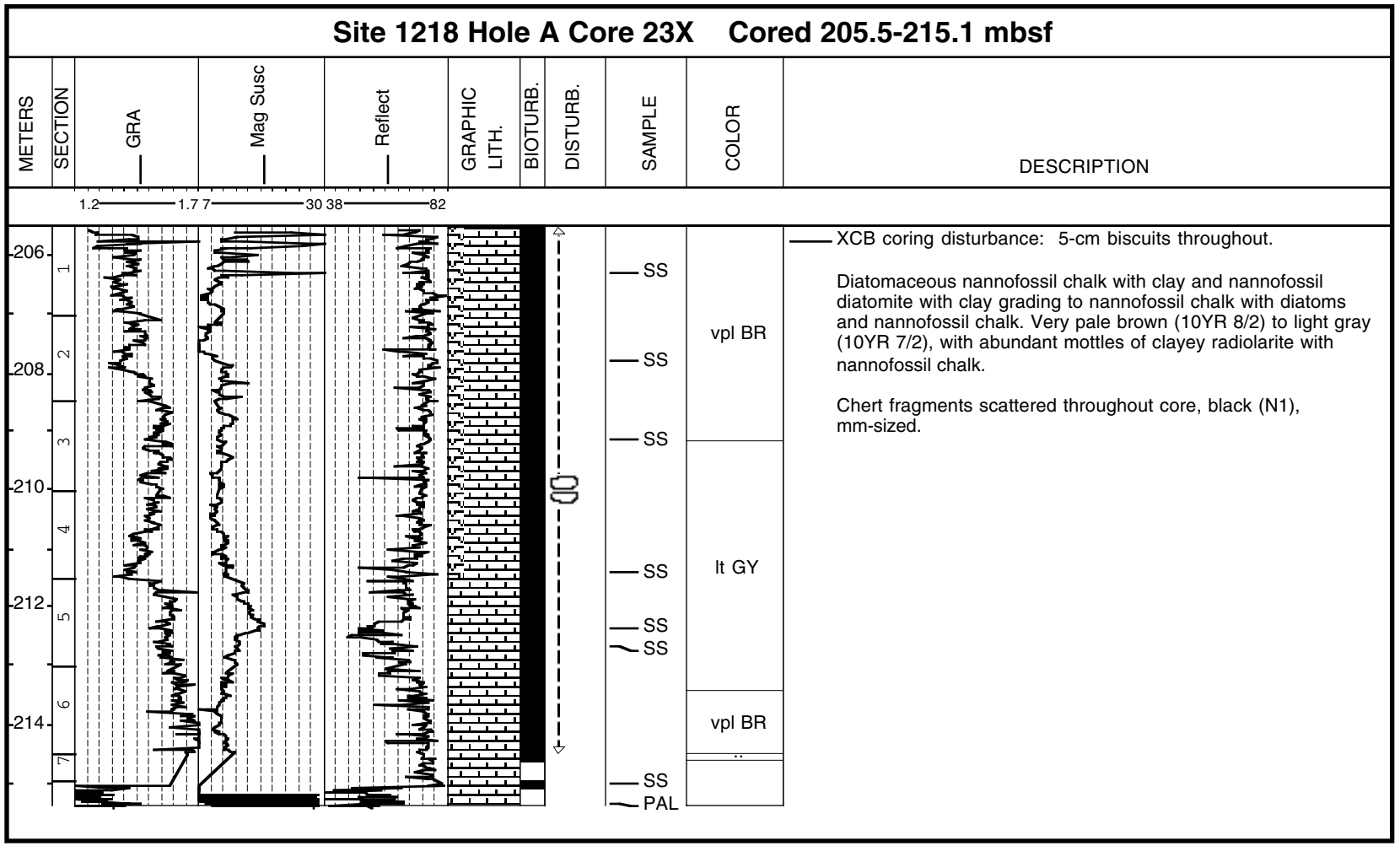


1218A-21X To Paleontologists

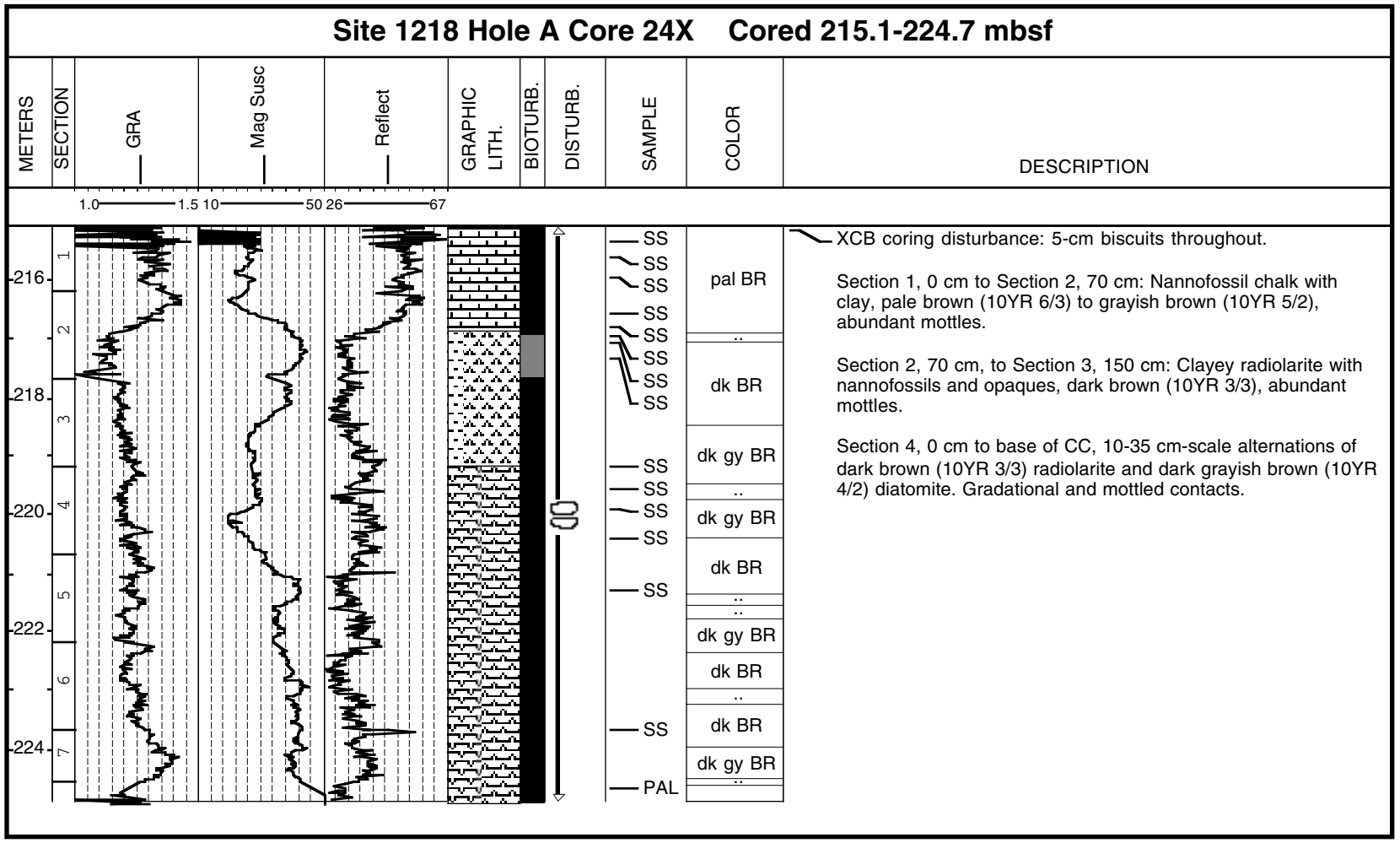
Core Photo


Site 1218 Hole A Core 22X Cored 195.9-205.5 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.2
1.6
5
20
60
85
198
200
202
1
2
3
4
5
6
IW
SS
PAL
vpl BR
XCB coring disturbance: 5 cm-sized biscuits
Note: change from wire splitting to sawing between Sections 3 and 4.
Nannofossil chalk with radiolarians and zeolites, very pale brown (10 YR 8/2), strongly bioturbated with very pale brown (10 YR 7/3) and light gray (10 YR 7/2) mottles.

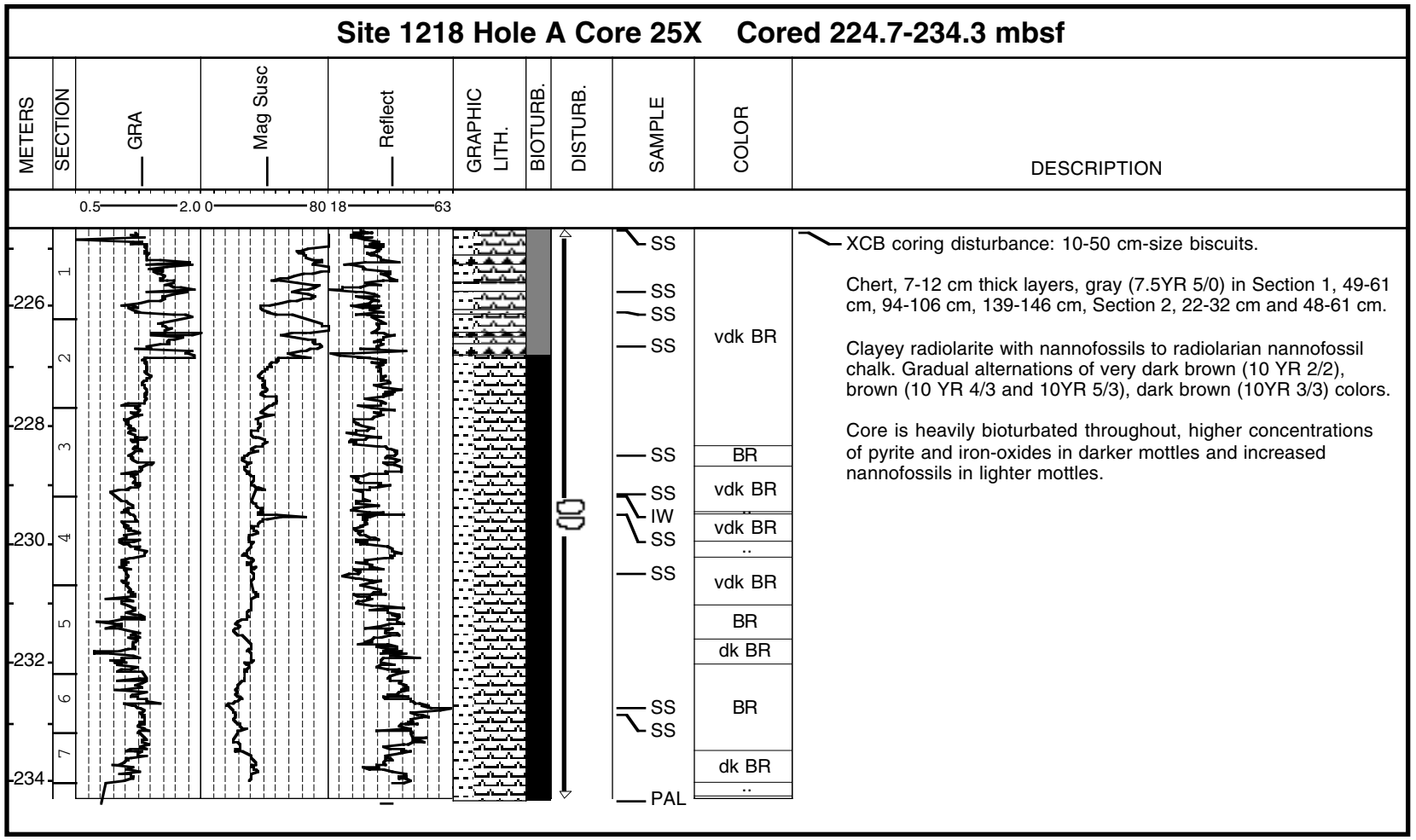
Core Photo


Site 1218 Hole A Core 23X Cored 205.5-215.1 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.2
1.7
7
30
38
82
206
208
210
212
214
1
2
3
4
5
6
7
SS
SS
SS
SS
SS
SS
SS
PAL
vpl BR
lt GY
vpl BR
XCB coring disturbance: 5-cm biscuits throughout.
Diatomaceous nannofossil chalk with clay and nannofossil diatomite with clay grading to nannofossil chalk with diatoms and nannofossil chalk. Very pale brown (10YR 8/2) to light gray (10YR 7/2), with abundant mottles of clayey radiolarite with nannofossil chalk.
Chert fragments scattered throughout core, black (N1), mm-sized.

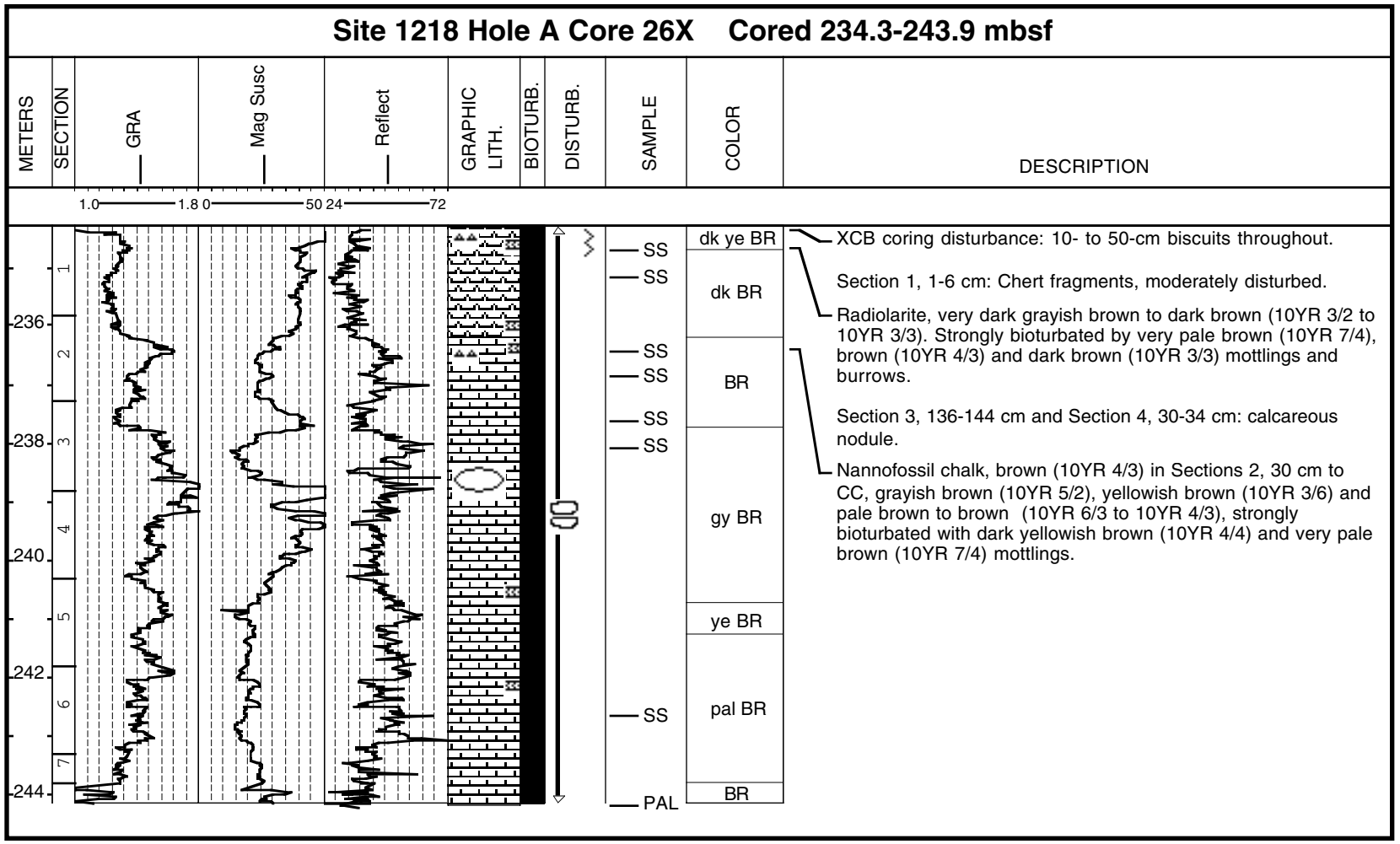
Core Photo


Site 1218 Hole A Core 24X Cored 215.1-224.7 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.5
10
50
26
67
216
218
220
222
224
1
2
3
4
5
6
7
SS
PAL
pal BR
dk BR
dk gy BR
XCB coring disturbance: 5-cm biscuits throughout.
Section 1, 0 cm to Section 2, 70 cm: Nannofossil chalk with clay, pale brown (10YR 6/3) to grayish brown (10YR 5/2), abundant mottles.
Section 2, 70 cm, to Section 3, 150 cm: Clayey radiolarite with nannofossils and opaques, dark brown (10YR 3/3), abundant mottles.
Section 4, 0 cm to base of CC, 10-35 cm-scale alternations of dark brown (10YR 3/3) radiolarite and dark grayish brown (10YR 4/2) diatomite. Gradational and mottled contacts.

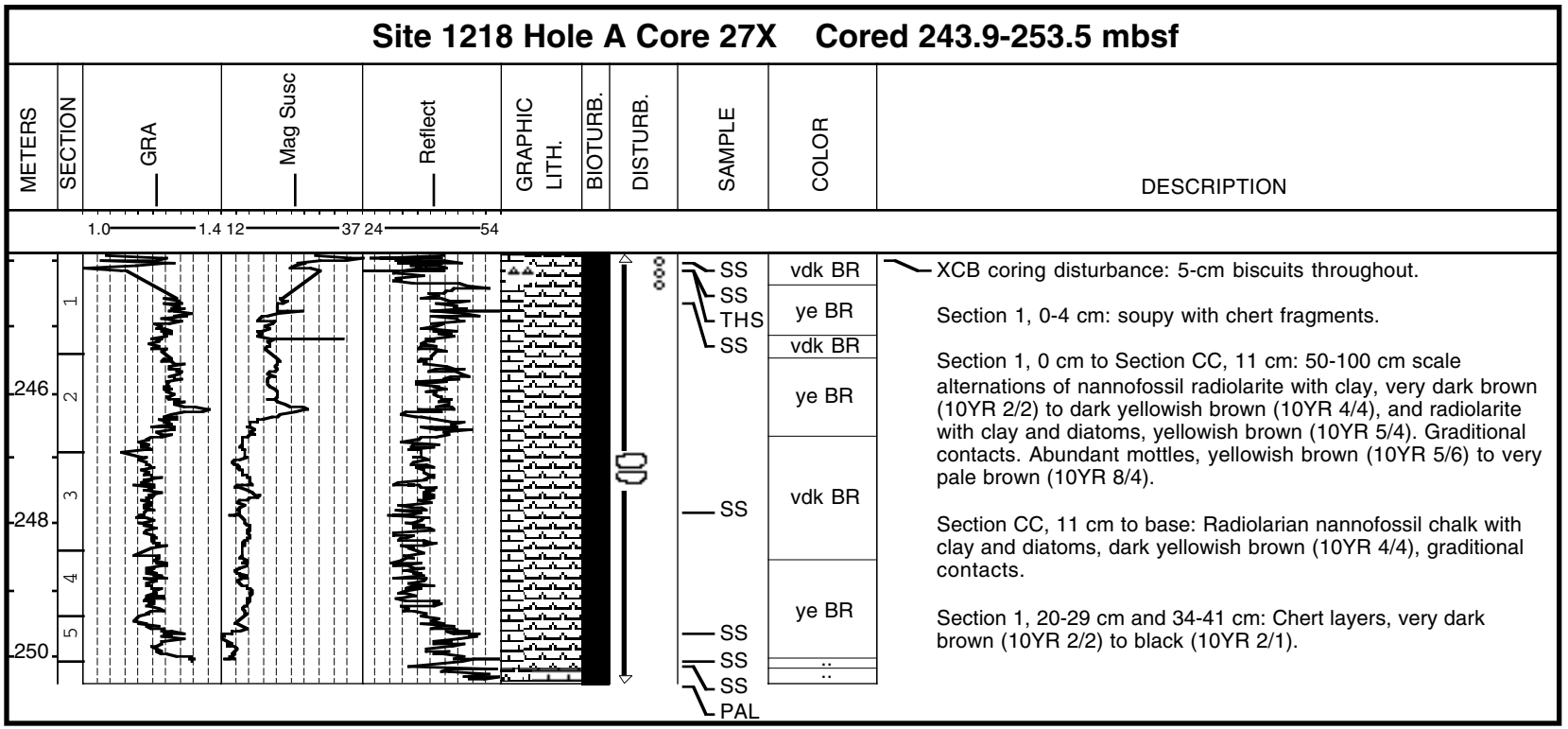
Core Photo


Site 1218 Hole A Core 25X Cored 224.7-234.3 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
0.5
2.0
0
80
18
63
226
228
230
232
234
1
2
3
4
5
6
7
SS
SS
SS
SS
SS
SS
IW
SS
SS
SS
SS
PAL
vdk BR
BR
vdk BR
vdk BR
BR
dk BR
BR
dk BR
XCB coring disturbance: 10-50 cm-size biscuits.
Chert, 7-12 cm thick layers, gray (7.5YR 5/0) in Section 1, 49-61 cm, 94-106 cm, 139-146 cm, Section 2, 22-32 cm and 48-61 cm.
Clayey radiolarite with nannofossils to radiolarian nannofossil chalk. Gradual alternations of very dark brown (10 YR 2/2), brown (10 YR 4/3 and 10YR 5/3), dark brown (10YR 3/3) colors.
Core is heavily bioturbated throughout, higher concentrations of pyrite and iron-oxides in darker mottles and increased nannofossils in lighter mottles.

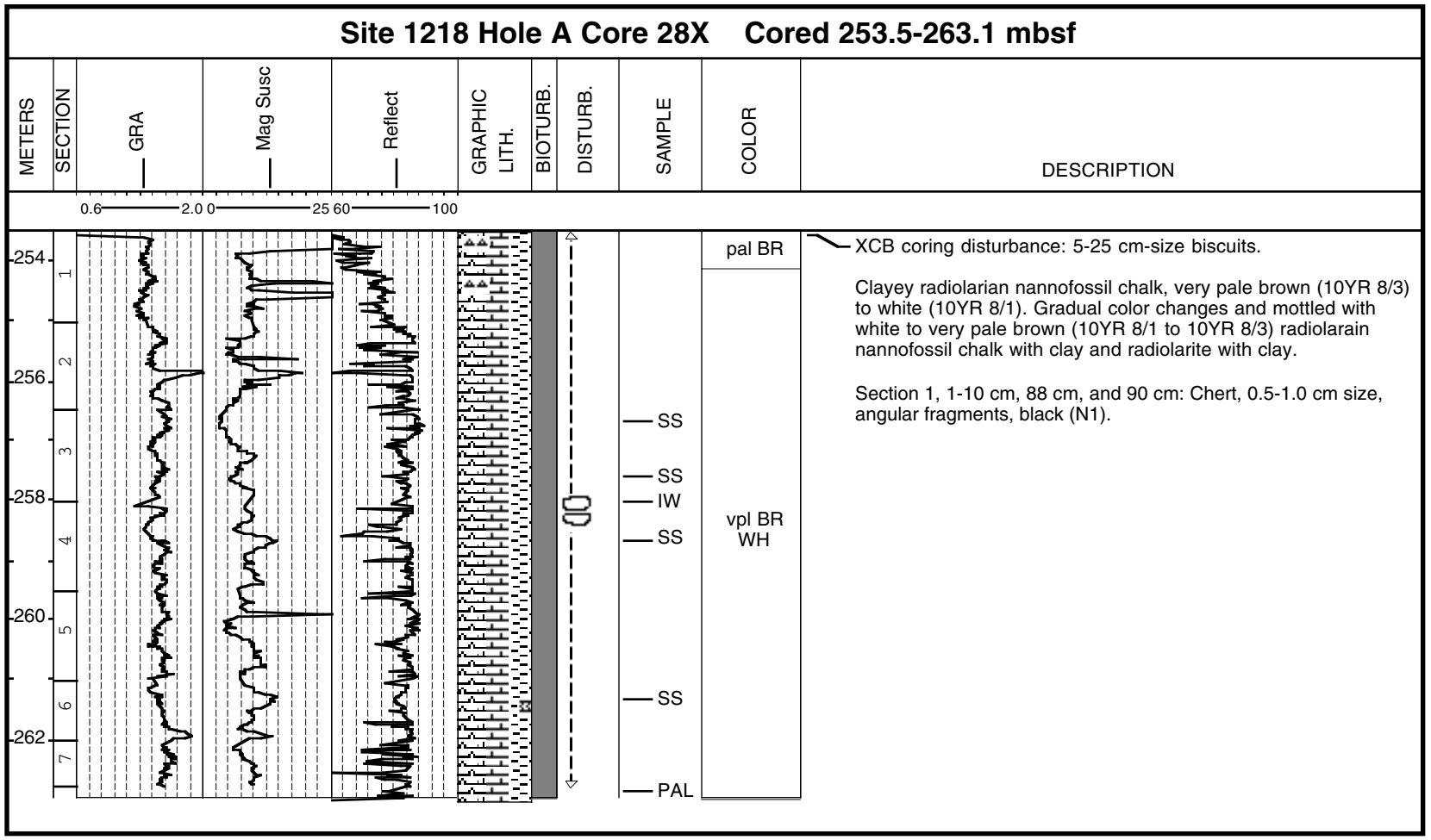
Core Photo


Site 1218 Hole A Core 26X Cored 234.3-243.9 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.8
0
50
24
72
236
238
240
242
244
1
2
3
4
5
6
7
SS
SS
SS
SS
SS
SS
SS
PAL
dk ye BR
dk BR
BR
gy BR
ye BR
pal BR
BR
XCB coring disturbance: 10- to 50-cm biscuits throughout.
Section 1, 1-6 cm: Chert fragments, moderately disturbed.
Radiolarite, very dark grayish brown to dark brown (10YR 3/2 to 10YR 3/3). Strongly bioturbated by very pale brown (10YR 7/4), brown (10YR 4/3) and dark brown (10YR 3/3) mottlings and burrows.
Section 3, 136-144 cm and Section 4, 30-34 cm: calcareous nodule.
Nannofossil chalk, brown (10YR 4/3) in Sections 2, 30 cm to CC, grayish brown (10YR 5/2), yellowish brown (10YR 3/6) and pale brown to brown (10YR 6/3 to 10YR 4/3), strongly bioturbated with dark yellowish brown (10YR 4/4) and very pale brown (10YR 7/4) mottlings.

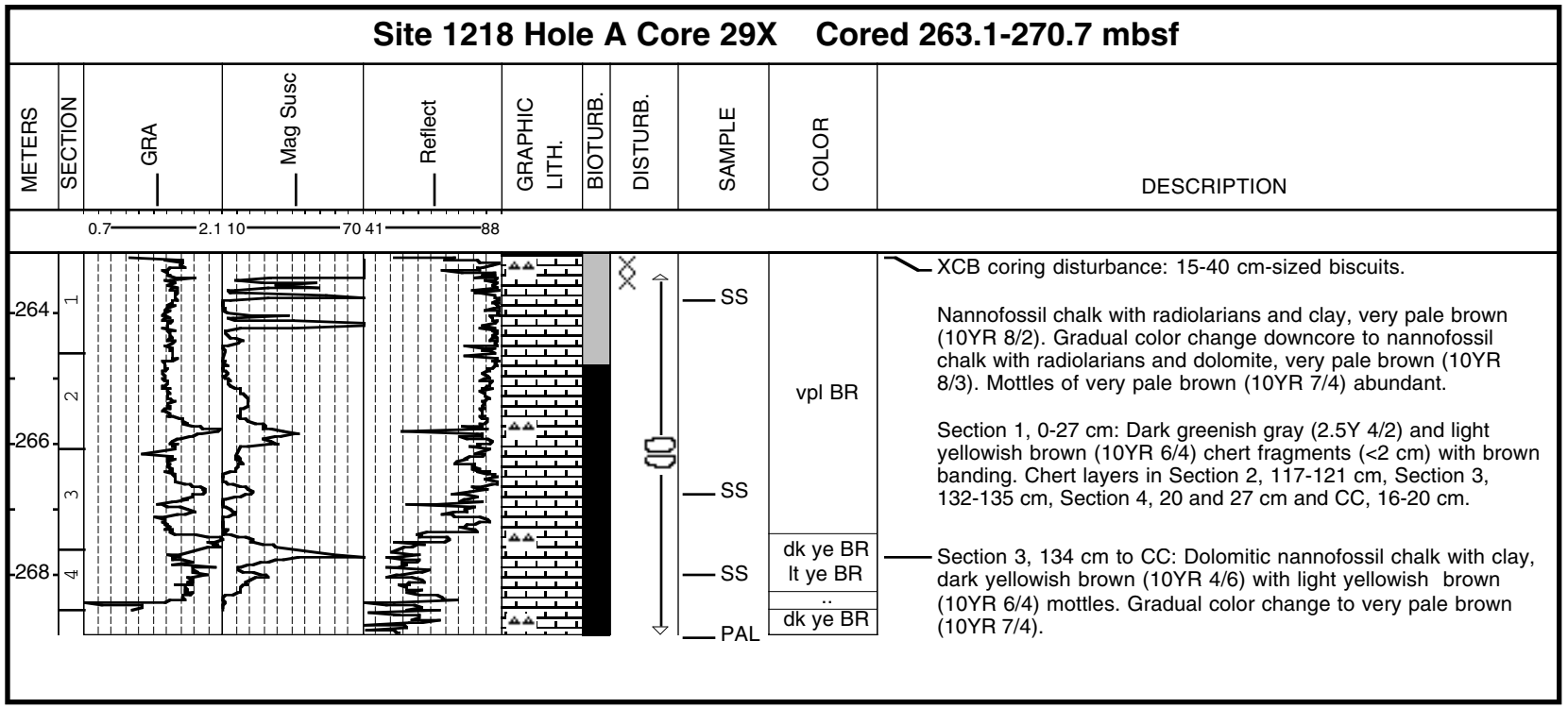
Core Photo


Site 1218 Hole A Core 27X Cored 243.9-253.5 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.4
12
37
24
54
246
248
250
1
2
3
4
5
SS
SS
THS
SS
SS
SS
SS
SS
PAL
vdk BR
ye BR
vdk BR
ye BR
vdk BR
ye BR
XCB coring disturbance: 5-cm biscuits throughout.
Section 1, 0-4 cm: soupy with chert fragments.
Section 1, 0 cm to Section CC, 11 cm: 50-100 cm scale alternations of nannofossil radiolarite with clay, very dark brown (10YR 2/2) to dark yellowish brown (10YR 4/4), and radiolarite with clay and diatoms, yellowish brown (10YR 5/4). Graditional contacts. Abundant mottles, yellowish brown (10YR 5/6) to very pale brown (10YR 8/4).
Section CC, 11 cm to base: Radiolarian nannofossil chalk with clay and diatoms, dark yellowish brown (10YR 4/4), graditional contacts.
Section 1, 20-29 cm and 34-41 cm: Chert layers, very dark brown (10YR 2/2) to black (10YR 2/1).

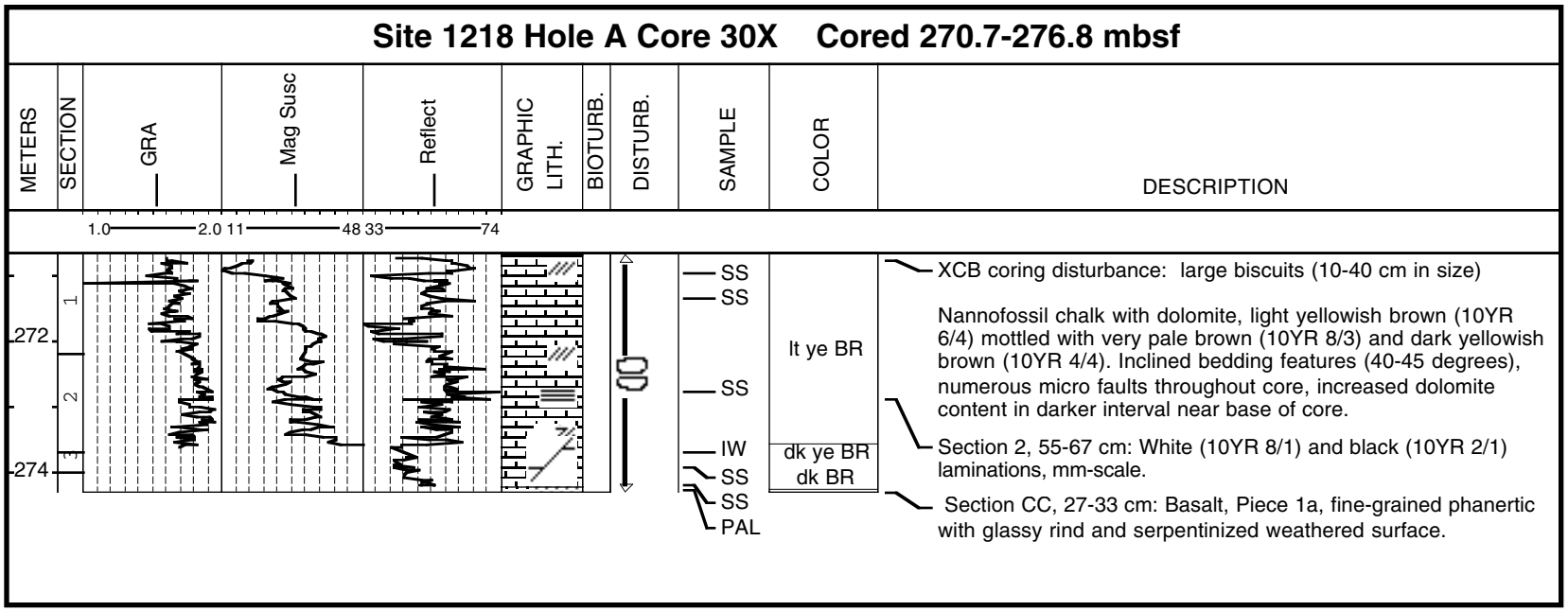
Core Photo


Site 1218 Hole A Core 28X Cored 253.5-263.1 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
0.6
2.0
0
25
60
100
254
256
258
260
262
1
2
3
4
5
6
7
SS
SS
IW
SS
SS
PAL
pal BR
vpl BR
WH
XCB coring disturbance: 5-25 cm-size biscuits.
Clayey radiolarian nannofossil chalk, very pale brown (10YR 8/3) to white (10YR 8/1). Gradual color changes and mottled with white to very pale brown (10YR 8/1 to 10YR 8/3) radiolarain nannofossil chalk with clay and radiolarite with clay.
Section 1, 1-10 cm, 88 cm, and 90 cm: Chert, 0.5-1.0 cm size, angular fragments, black (N1).

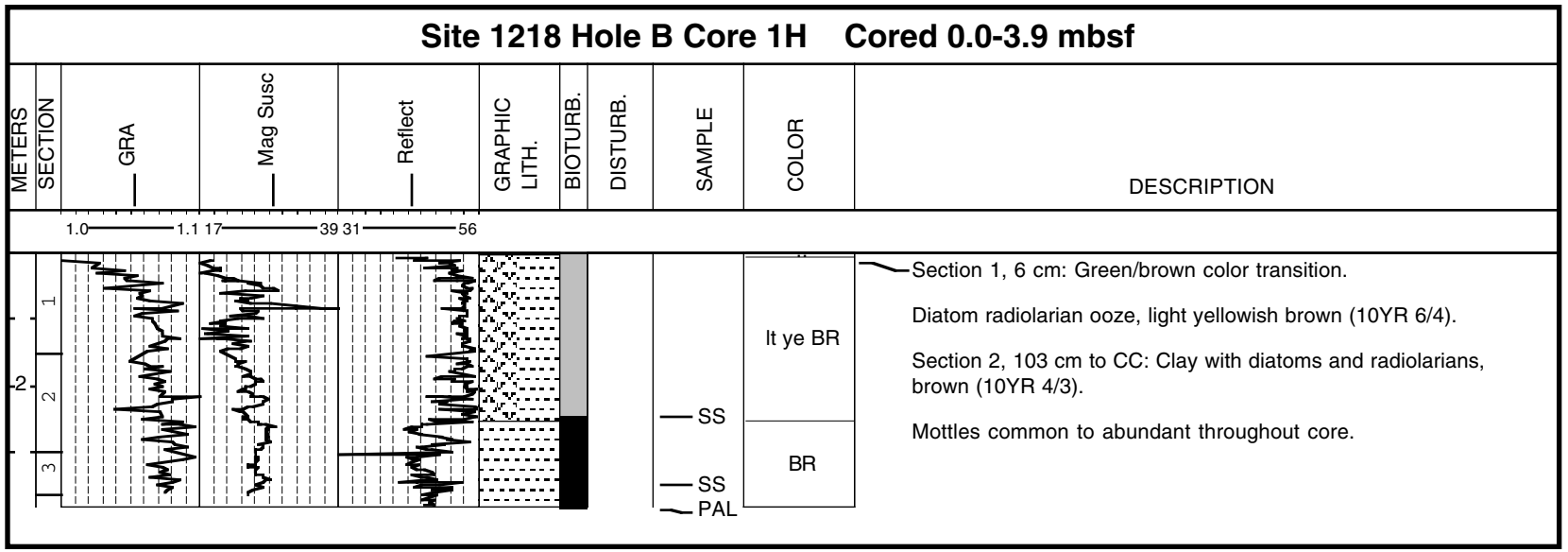
Core Photo


Site 1218 Hole A Core 29X Cored 263.1-270.7 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
0.7
2.1
10
70
41
88
264
266
268
1
2
3
4
SS
SS
SS
PAL
vpl BR
dk ye BR
lt ye BR
..
dk ye BR
XCB coring disturbance: 15-40 cm-sized biscuits.
Nannofossil chalk with radiolarians and clay, very pale brown (10YR 8/2). Gradual color change downcore to nannofossil chalk with radiolarians and dolomite, very pale brown (10YR 8/3). Mottles of very pale brown (10YR 7/4) abundant.
Section 1, 0-27 cm: Dark greenish gray (2.5Y 4/2) and light yellowish brown (10YR 6/4) chert fragments (<2 cm) with brown banding. Chert layers in Section 2, 117-121 cm, Section 3, 132-135 cm, Section 4, 20 and 27 cm and CC, 16-20 cm.
Section 3, 134 cm to CC: Dolomitic nannofossil chalk with clay, dark yellowish brown (10YR 4/6) with light yellowish brown (10YR 6/4) mottles. Gradual color change to very pale brown (10YR 7/4).

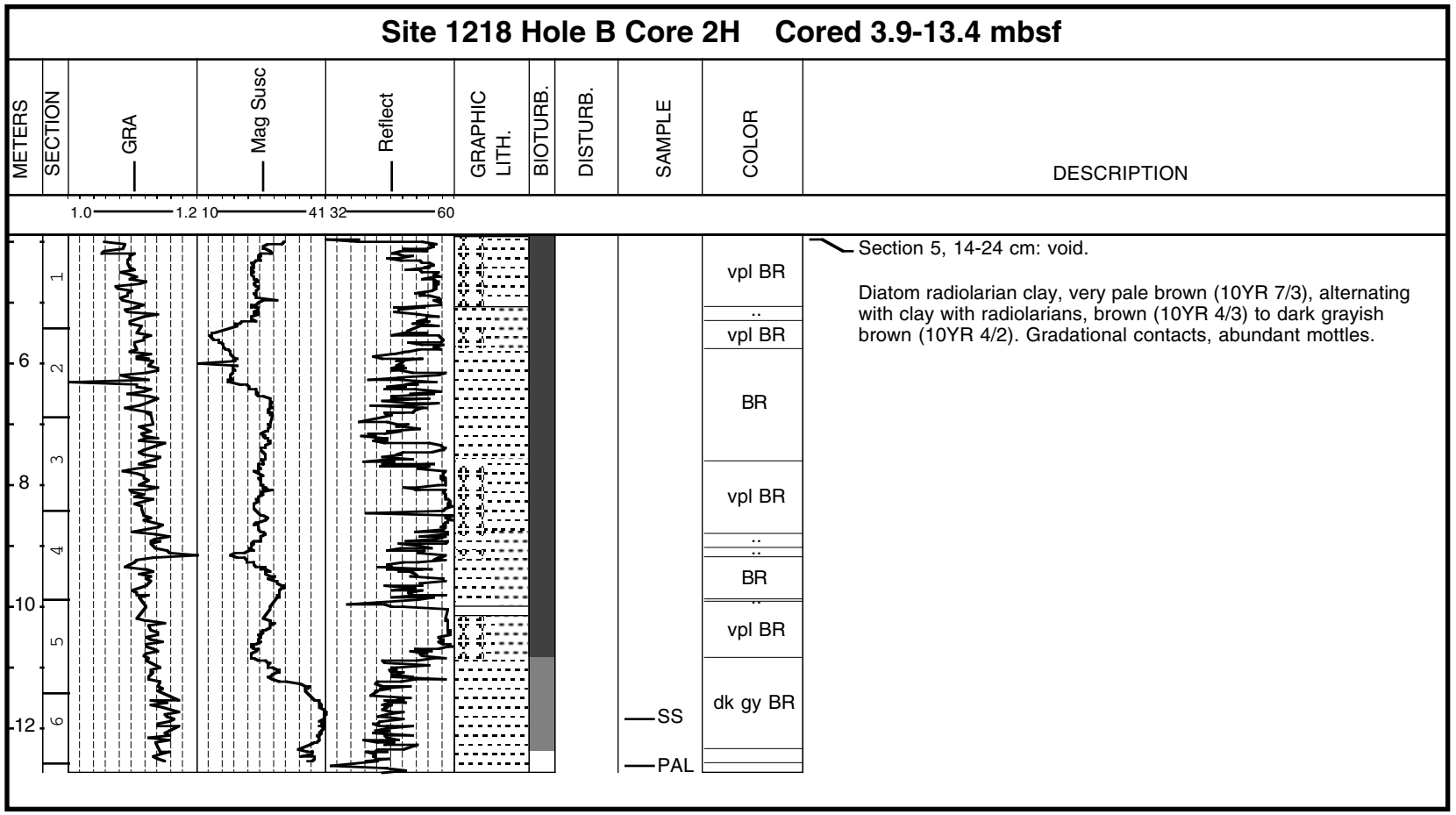
Core Photo


Site 1218 Hole A Core 30X Cored 270.7-276.8 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
2.0
11
48
33
74
272
274
1
2
3
SS
SS
SS
IW
SS
SS
PAL
lt ye BR
dk ye BR
dk BR
XCB coring disturbance: large biscuits (10-40 cm in size)
Nannofossil chalk with dolomite, light yellowish brown (10YR 6/4) mottled with very pale brown (10YR 8/3) and dark yellowish brown (10YR 4/4). Inclined bedding features (40-45 degrees), numerous micro faults throughout core, increased dolomite content in darker interval near base of core.
Section 2, 55-67 cm: White (10YR 8/1) and black (10YR 2/1) laminations, mm-scale.
Section CC, 27-33 cm: Basalt, Piece 1a, fine-grained phanertic with glassy rind and serpentinized weathered surface.

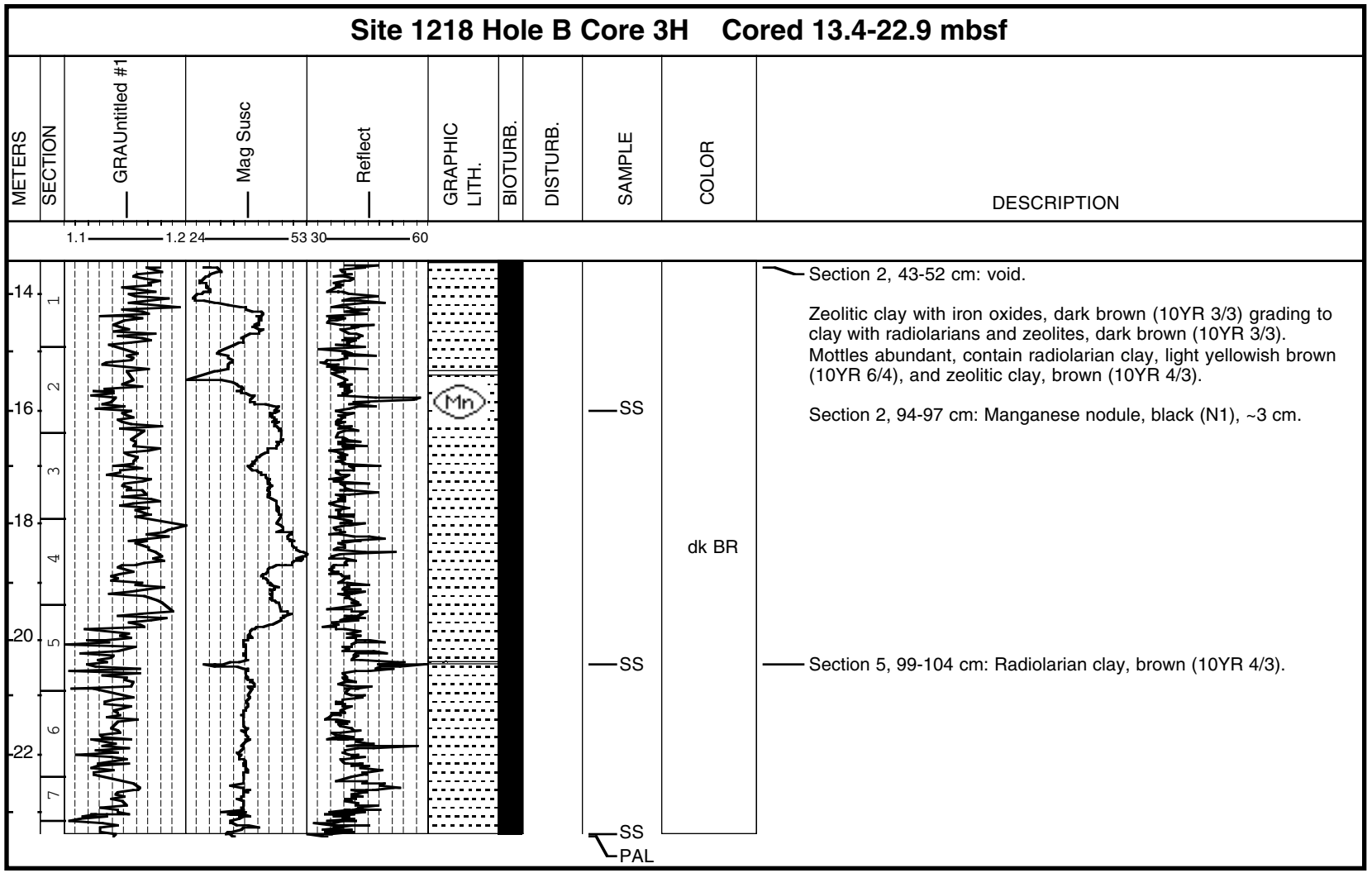
Core Photo


Site 1218 Hole B Core 1H Cored 0.0-3.9 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.1
17
39
31
56
2
1
2
3
SS
SS
PAL
lt ye BR
BR
Section 1, 6 cm: Green/brown color transition.
Diatom radiolarian ooze, light yellowish brown (10YR 6/4).
Section 2, 103 cm to CC: Clay with diatoms and radiolarians, brown (10YR 4/3).
Mottles common to abundant throughout core.

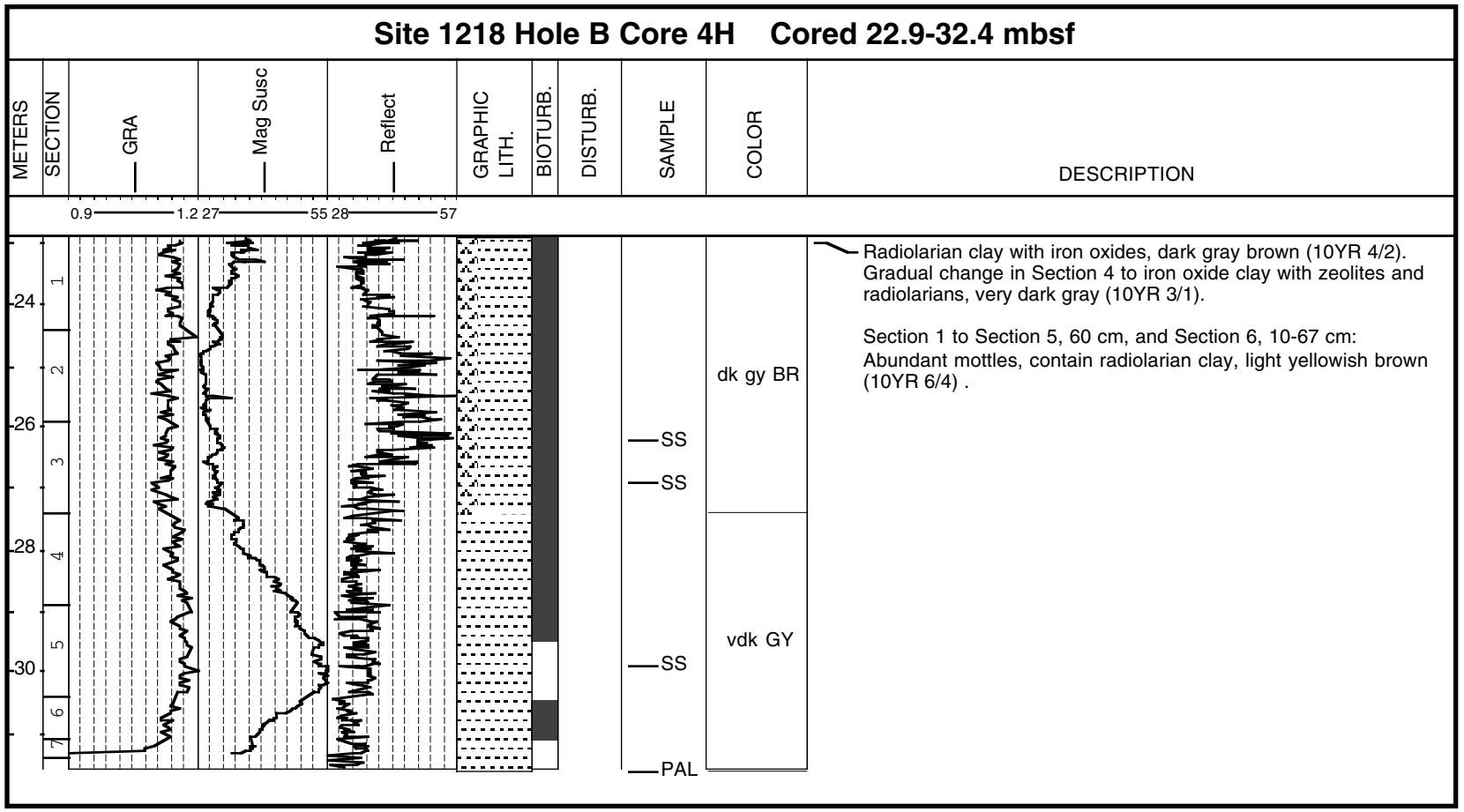
Core Photo


Site 1218 Hole B Core 2H Cored 3.9-13.4 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.2
10
41
32
60
6
8
10
12
1
2
3
4
5
6
SS
PAL
vpl BR
vpl BR
BR
vpl BR
BR
vpl BR
dk gy BR
Section 5, 14-24 cm: void.
Diatom radiolarian clay, very pale brown (10YR 7/3), alternating with clay with radiolarians, brown (10YR 4/3) to dark grayish brown (10YR 4/2). Gradational contacts, abundant mottles.

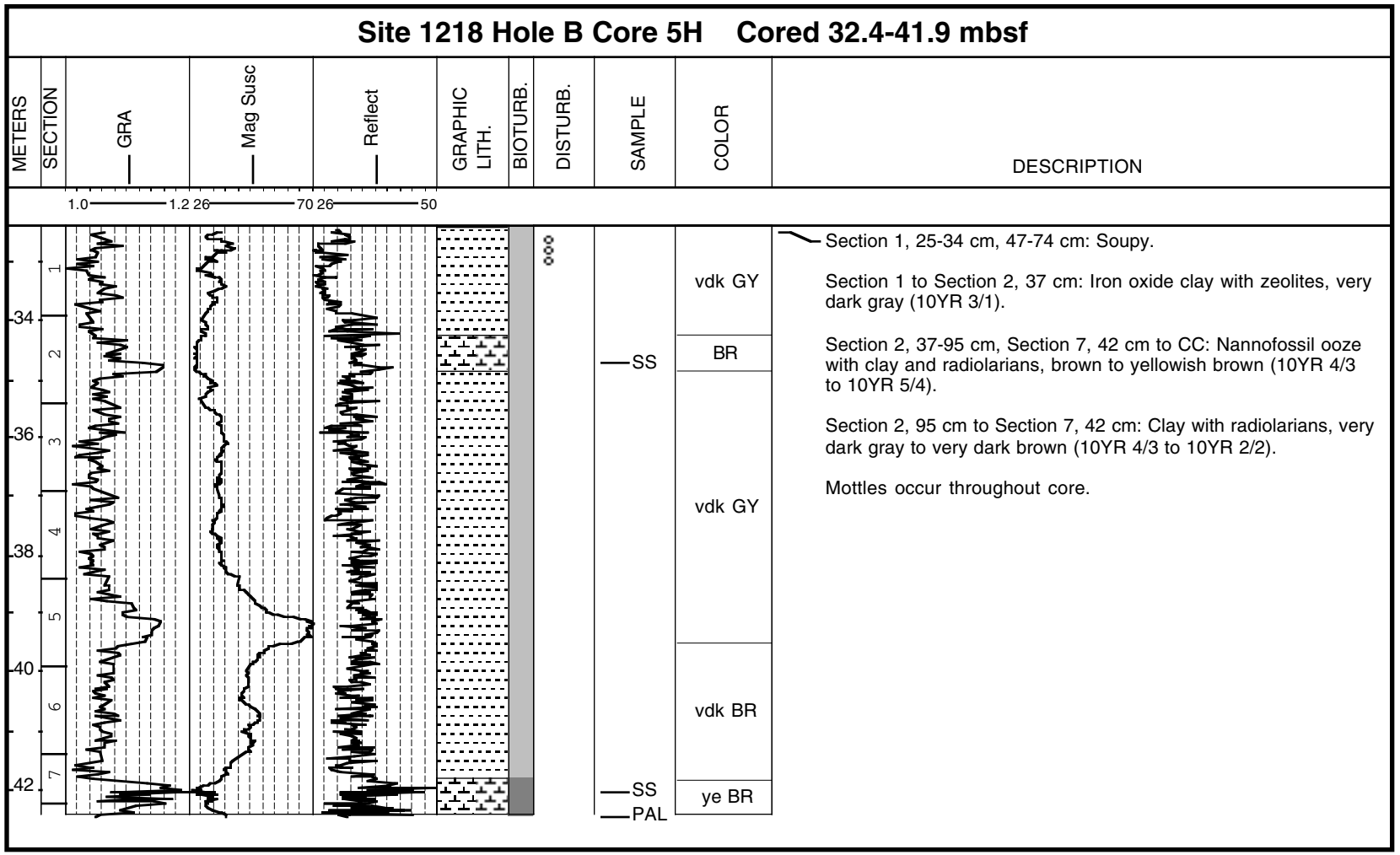
Core Photo


Site 1218 Hole B Core 3H Cored 13.4-22.9 mbsf
METERS
SECTION
GRAUntitled #1
1.1
1.2
Mag Susc
24
53
Reflect
30
60
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
14
16
18
20
22
1
2
3
4
5
6
7
Mn
SS
SS
SS
PAL
dk BR
Section 2, 43-52 cm: void.
Zeolitic clay with iron oxides, dark brown (10YR 3/3) grading to clay with radiolarians and zeolites, dark brown (10YR 3/3). Mottles abundant, contain radiolarian clay, light yellowish brown (10YR 6/4), and zeolitic clay, brown (10YR 4/3).
Section 2, 94-97 cm: Manganese nodule, black (N1), ~3 cm.
Section 5, 99-104 cm: Radiolarian clay, brown (10YR 4/3).

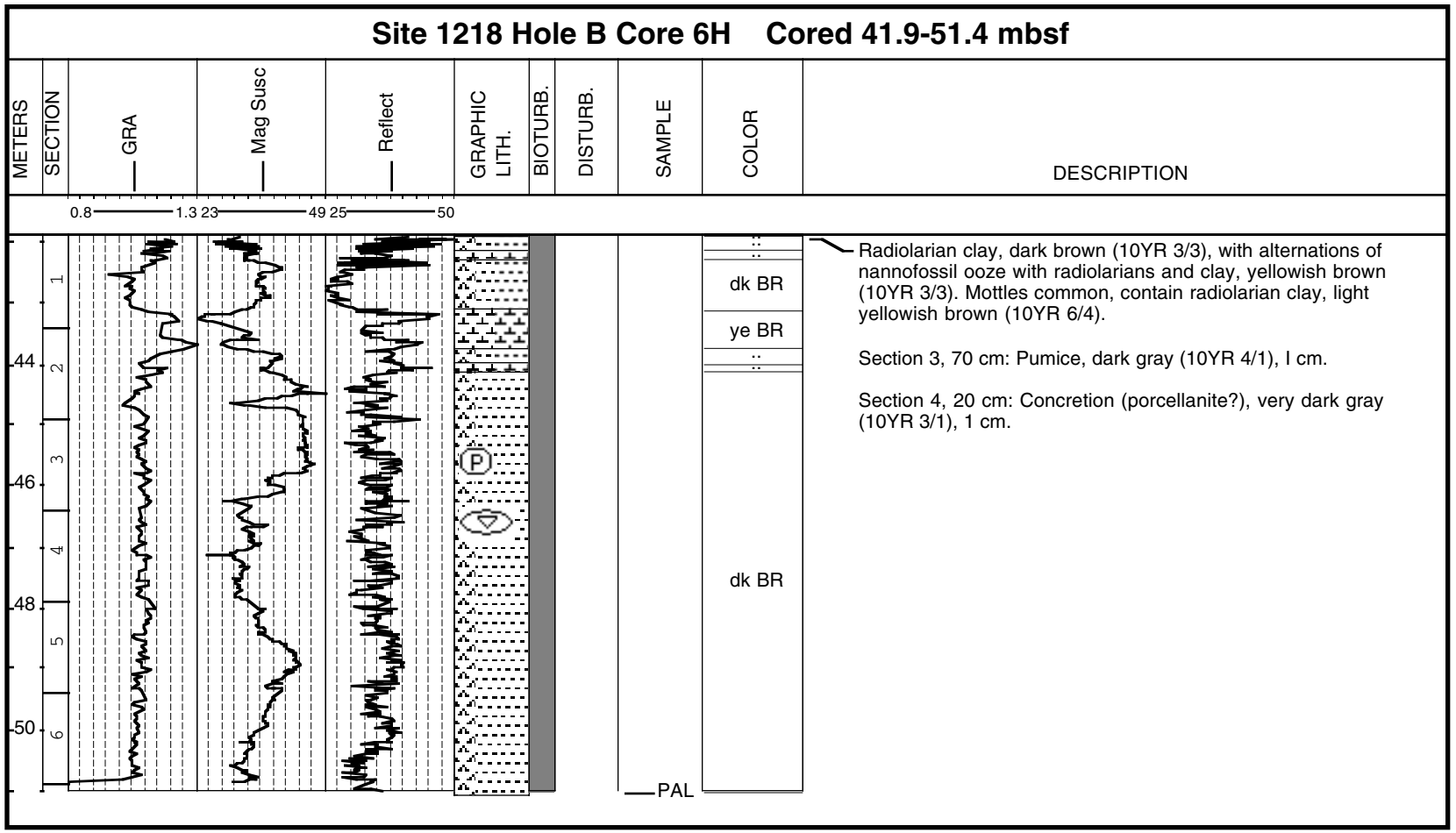
Core Photo


Site 1218 Hole B Core 4H Cored 22.9-32.4 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
0.9
1.2
27
55
28
57
24
26
28
30
1
2
3
4
5
6
7
SS
SS
SS
PAL
dk gy BR
vdk GY
Radiolarian clay with iron oxides, dark gray brown (10YR 4/2). Gradual change in Section 4 to iron oxide clay with zeolites and radiolarians, very dark gray (10YR 3/1).
Section 1 to Section 5, 60 cm, and Section 6, 10-67 cm: Abundant mottles, contain radiolarian clay, light yellowish brown (10YR 6/4) .

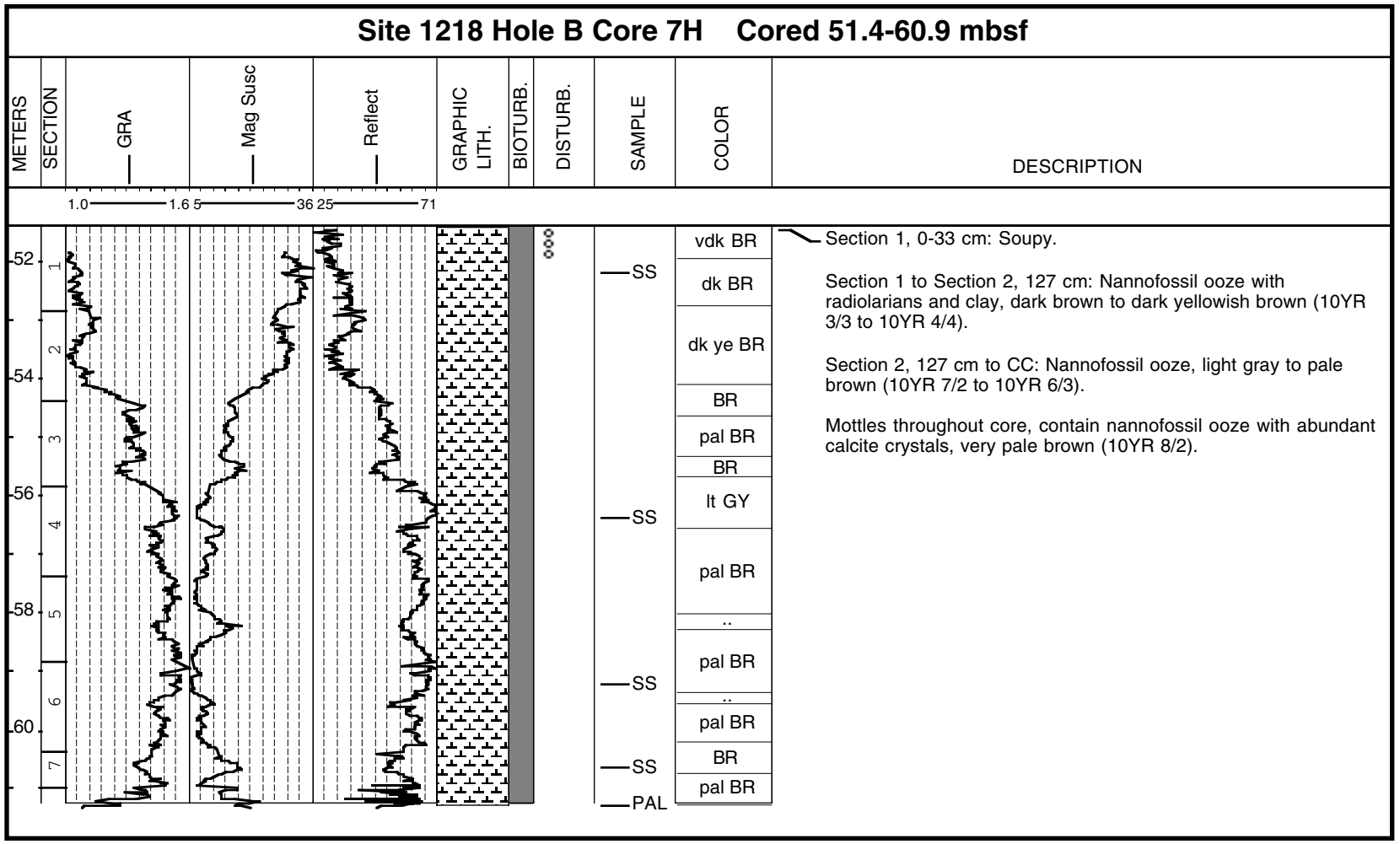
Core Photo


Site 1218 Hole B Core 5H Cored 32.4-41.9 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.2 26
70 26
50
34
36
38
40
42
1
2
3
4
5
6
7
SS
SS
PAL
vdk GY
BR
vdk GY
vdk BR
ye BR
Section 1, 25-34 cm, 47-74 cm: Soupy.
Section 1 to Section 2, 37 cm: Iron oxide clay with zeolites, very dark gray (10YR 3/1).
Section 2, 37-95 cm, Section 7, 42 cm to CC: Nannofossil ooze with clay and radiolarians, brown to yellowish brown (10YR 4/3 to 10YR 5/4).
Section 2, 95 cm to Section 7, 42 cm: Clay with radiolarians, very dark gray to very dark brown (10YR 4/3 to 10YR 2/2).
Mottles occur throughout core.

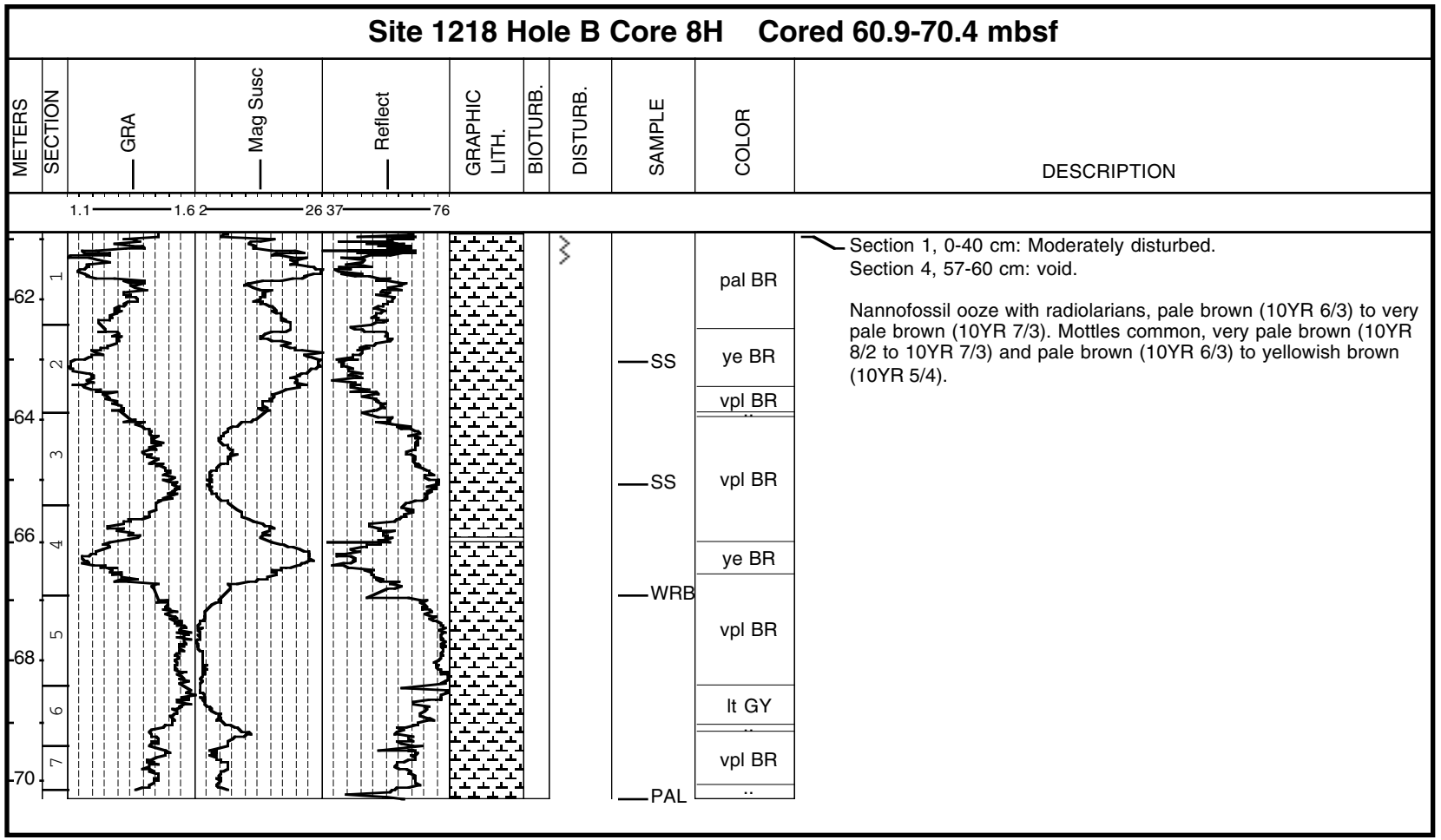
Core Photo


Site 1218 Hole B Core 6H Cored 41.9-51.4 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
0.8
1.3
23
49
25
50
44
46
48
50
1
2
3
4
5
6
P
PAL
dk BR
ye BR
dk BR
Radiolarian clay, dark brown (10YR 3/3), with alternations of nannofossil ooze with radiolarians and clay, yellowish brown (10YR 3/3). Mottles common, contain radiolarian clay, light yellowish brown (10YR 6/4).
Section 3, 70 cm: Pumice, dark gray (10YR 4/1), I cm.
Section 4, 20 cm: Concretion (porcellanite?), very dark gray (10YR 3/1), 1 cm.

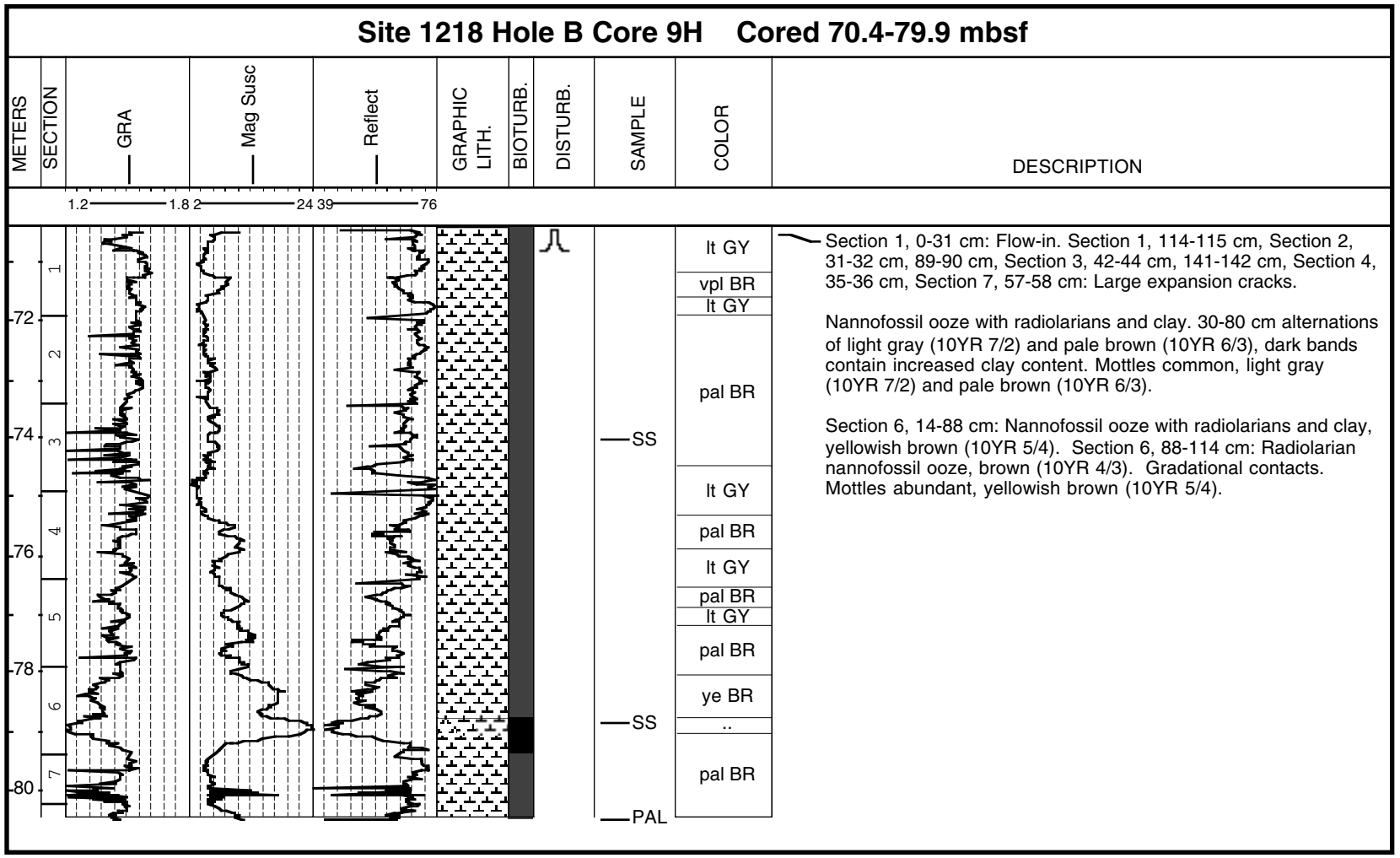
Core Photo


Site 1218 Hole B Core 7H Cored 51.4-60.9 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.6
5
36
25
71
52
54
56
58
60
1
2
3
4
5
6
7
SS
SS
SS
SS
PAL
vdk BR
dk BR
dk ye BR
BR
pal BR
BR
lt GY
pal BR
..
pal BR
..
pal BR
BR
pal BR
Section 1, 0-33 cm: Soupy.
Section 1 to Section 2, 127 cm: Nannofossil ooze with radiolarians and clay, dark brown to dark yellowish brown (10YR 3/3 to 10YR 4/4).
Section 2, 127 cm to CC: Nannofossil ooze, light gray to pale brown (10YR 7/2 to 10YR 6/3).
Mottles throughout core, contain nannofossil ooze with abundant calcite crystals, very pale brown (10YR 8/2).

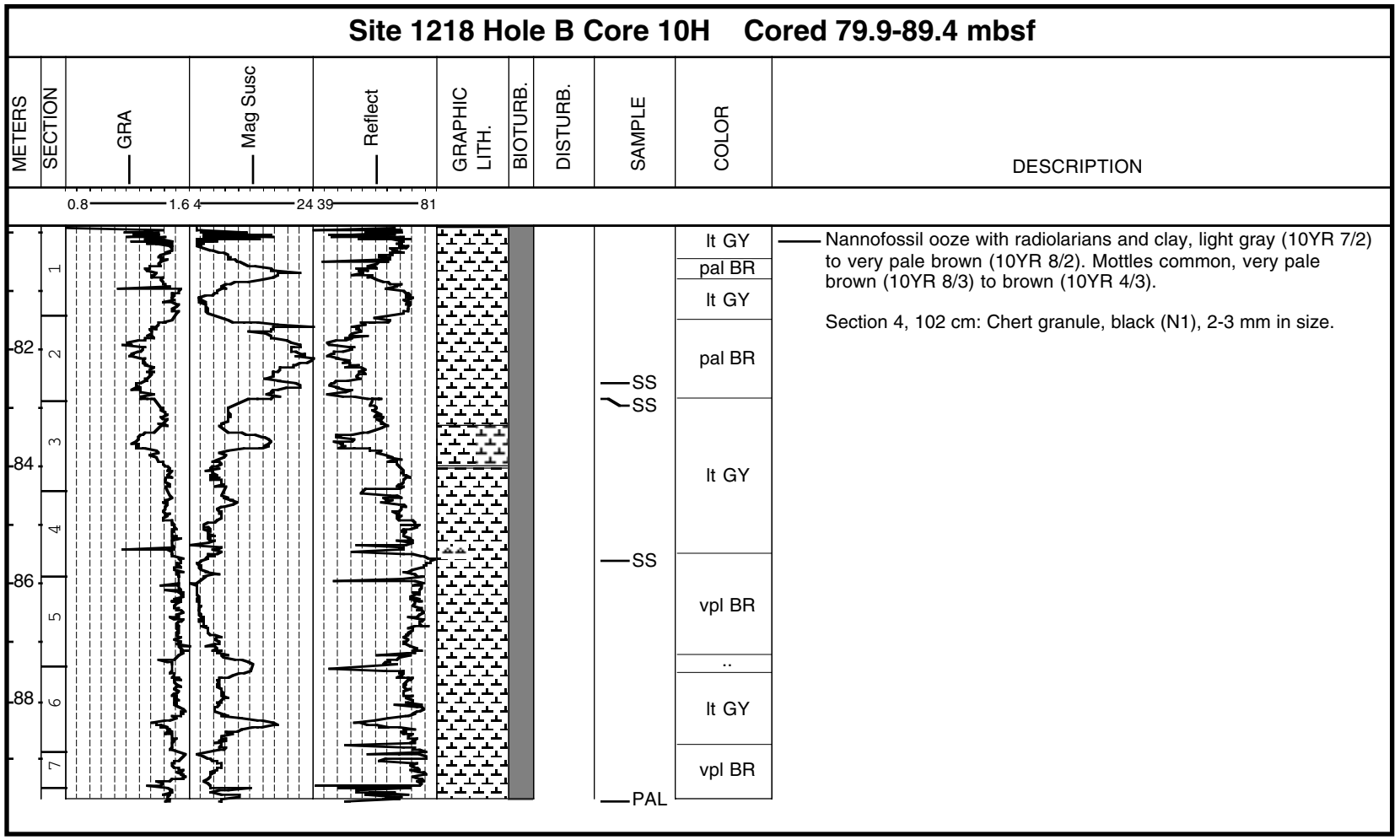
Core Photo


Site 1218 Hole B Core 8H Cored 60.9-70.4 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.1
1.6
2
26
37
76
62
64
66
68
70
1
2
3
4
5
6
7
SS
SS
WRB
PAL
pal BR
ye BR
vpl BR
vpl BR
ye BR
vpl BR
lt GY
vpl BR
Section 1, 0-40 cm: Moderately disturbed.
Section 4, 57-60 cm: void.
Nannofossil ooze with radiolarians, pale brown (10YR 6/3) to very pale brown (10YR 7/3). Mottles common, very pale brown (10YR 8/2 to 10YR 7/3) and pale brown (10YR 6/3) to yellowish brown (10YR 5/4).

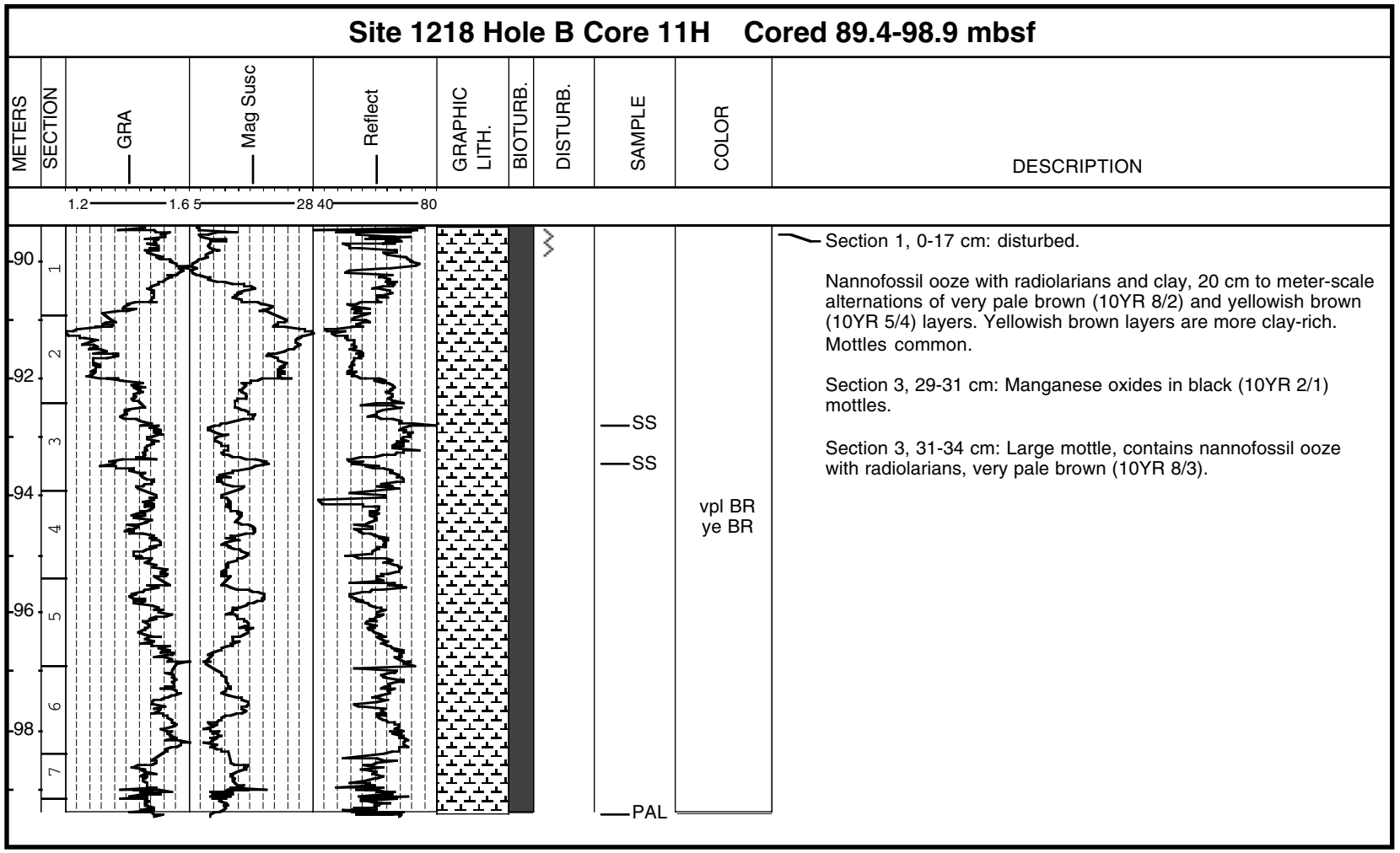
Core Photo


Site 1218 Hole B Core 9H Cored 70.4-79.9 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.2
1.8
2
24
39
76
72
74
76
78
80
1
2
3
4
5
6
7
SS
SS
PAL
lt GY
vpl BR
lt GY
pal BR
lt GY
pal BR
lt GY
pal BR
lt GY
pal BR
ye BR
..
pal BR
Section 1, 0-31 cm: Flow-in. Section 1, 114-115 cm, Section 2, 31-32 cm, 89-90 cm, Section 3, 42-44 cm, 141-142 cm, Section 4, 35-36 cm, Section 7, 57-58 cm: Large expansion cracks.
Nannofossil ooze with radiolarians and clay. 30-80 cm alternations of light gray (10YR 7/2) and pale brown (10YR 6/3), dark bands contain increased clay content. Mottles common, light gray (10YR 7/2) and pale brown (10YR 6/3).
Section 6, 14-88 cm: Nannofossil ooze with radiolarians and clay, yellowish brown (10YR 5/4). Section 6, 88-114 cm: Radiolarian nannofossil ooze, brown (10YR 4/3). Gradational contacts. Mottles abundant, yellowish brown (10YR 5/4).

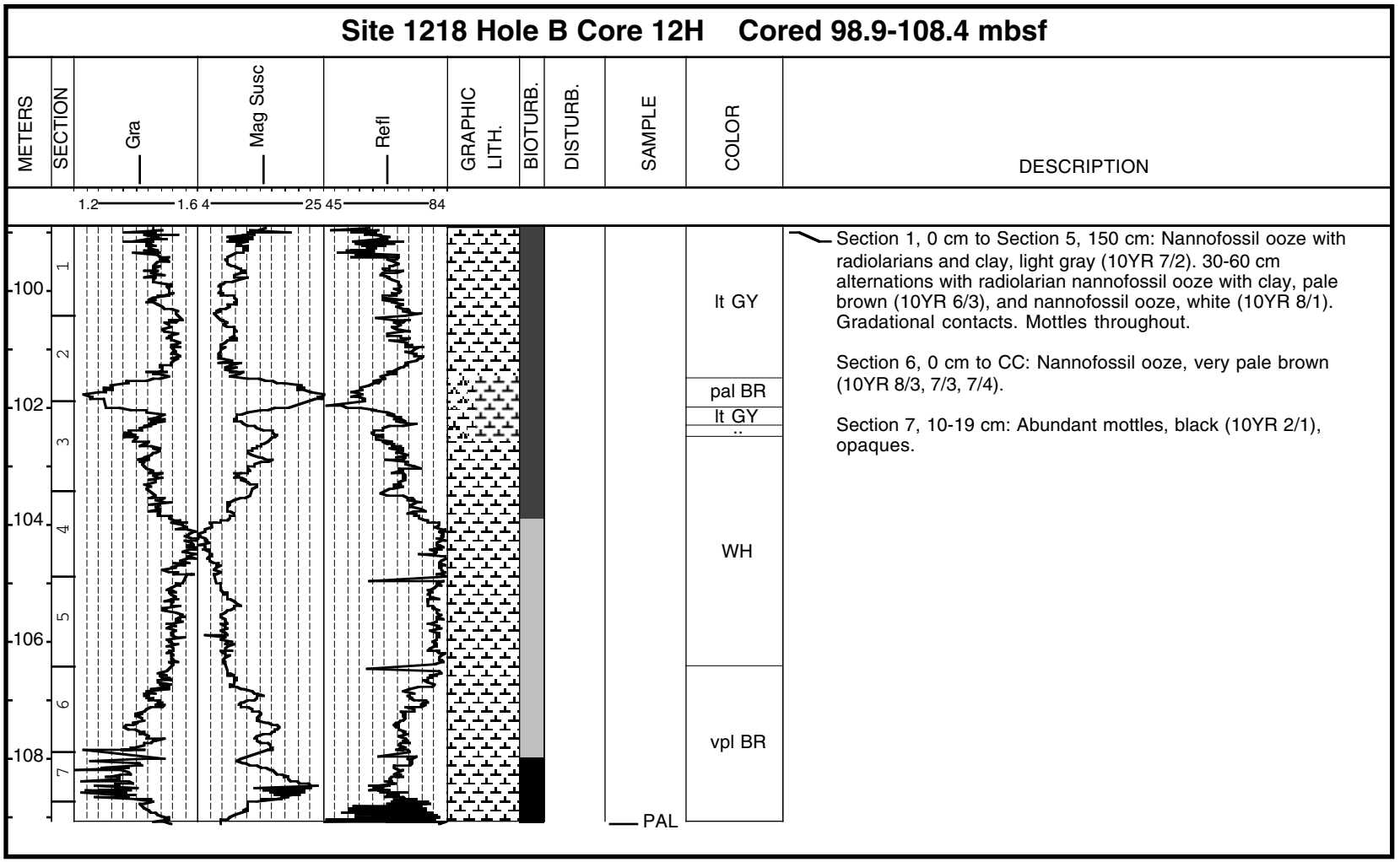
Core Photo


Site 1218 Hole B Core 10H Cored 79.9-89.4 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
0.8
1.6
4
24
39
81
82
84
86
88
1
2
3
4
5
6
7
SS
SS
SS
PAL
lt GY
pal BR
lt GY
pal BR
lt GY
vpl BR
..
lt GY
vpl BR
Nannofossil ooze with radiolarians and clay, light gray (10YR 7/2) to very pale brown (10YR 8/2). Mottles common, very pale brown (10YR 8/3) to brown (10YR 4/3).
Section 4, 102 cm: Chert granule, black (N1), 2-3 mm in size.

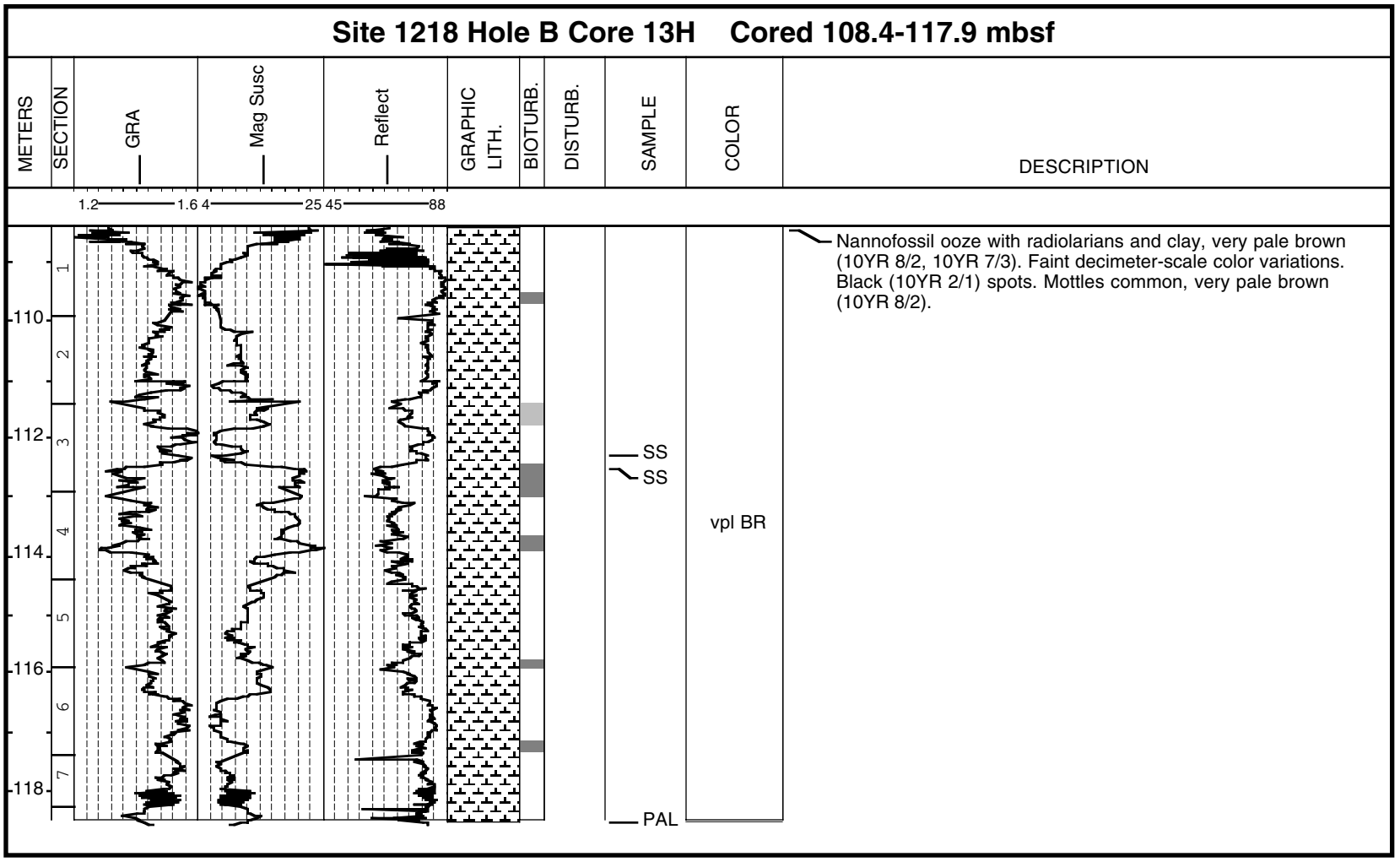
Core Photo


Site 1218 Hole B Core 11H Cored 89.4-98.9 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.2
1.6
5
28
40
80
90
92
94
96
98
1
2
3
4
5
6
7
SS
SS
PAL
vpl BR
ye BR
Section 1, 0-17 cm: disturbed.
Nannofossil ooze with radiolarians and clay, 20 cm to meter-scale alternations of very pale brown (10YR 8/2) and yellowish brown (10YR 5/4) layers. Yellowish brown layers are more clay-rich. Mottles common.
Section 3, 29-31 cm: Manganese oxides in black (10YR 2/1) mottles.
Section 3, 31-34 cm: Large mottle, contains nannofossil ooze with radiolarians, very pale brown (10YR 8/3).

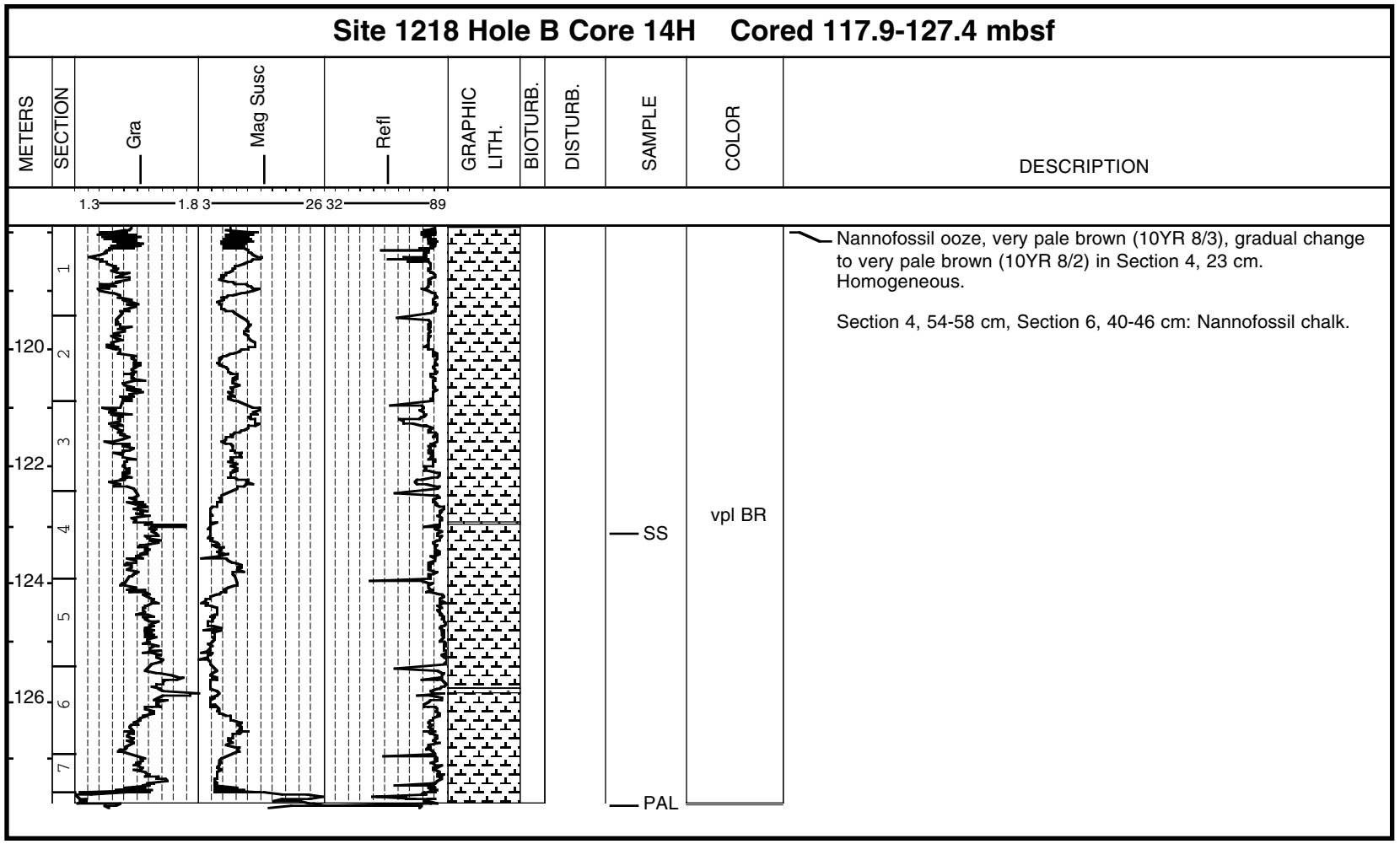
Core Photo


Site 1218 Hole B Core 12H Cored 98.9-108.4 mbsf
METERS
SECTION
Gra
Mag Susc
Refl
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.2
1.6
4
25
45
84
100
102
104
106
108
1
2
3
4
5
6
7
lt GY
pal BR
lt GY
WH
vpl BR
PAL
Section 1, 0 cm to Section 5, 150 cm: Nannofossil ooze with radiolarians and clay, light gray (10YR 7/2). 30-60 cm alternations with radiolarian nannofossil ooze with clay, pale brown (10YR 6/3), and nannofossil ooze, white (10YR 8/1). Gradational contacts. Mottles throughout.
Section 6, 0 cm to CC: Nannofossil ooze, very pale brown (10YR 8/3, 7/3, 7/4).
Section 7, 10-19 cm: Abundant mottles, black (10YR 2/1), opaques.

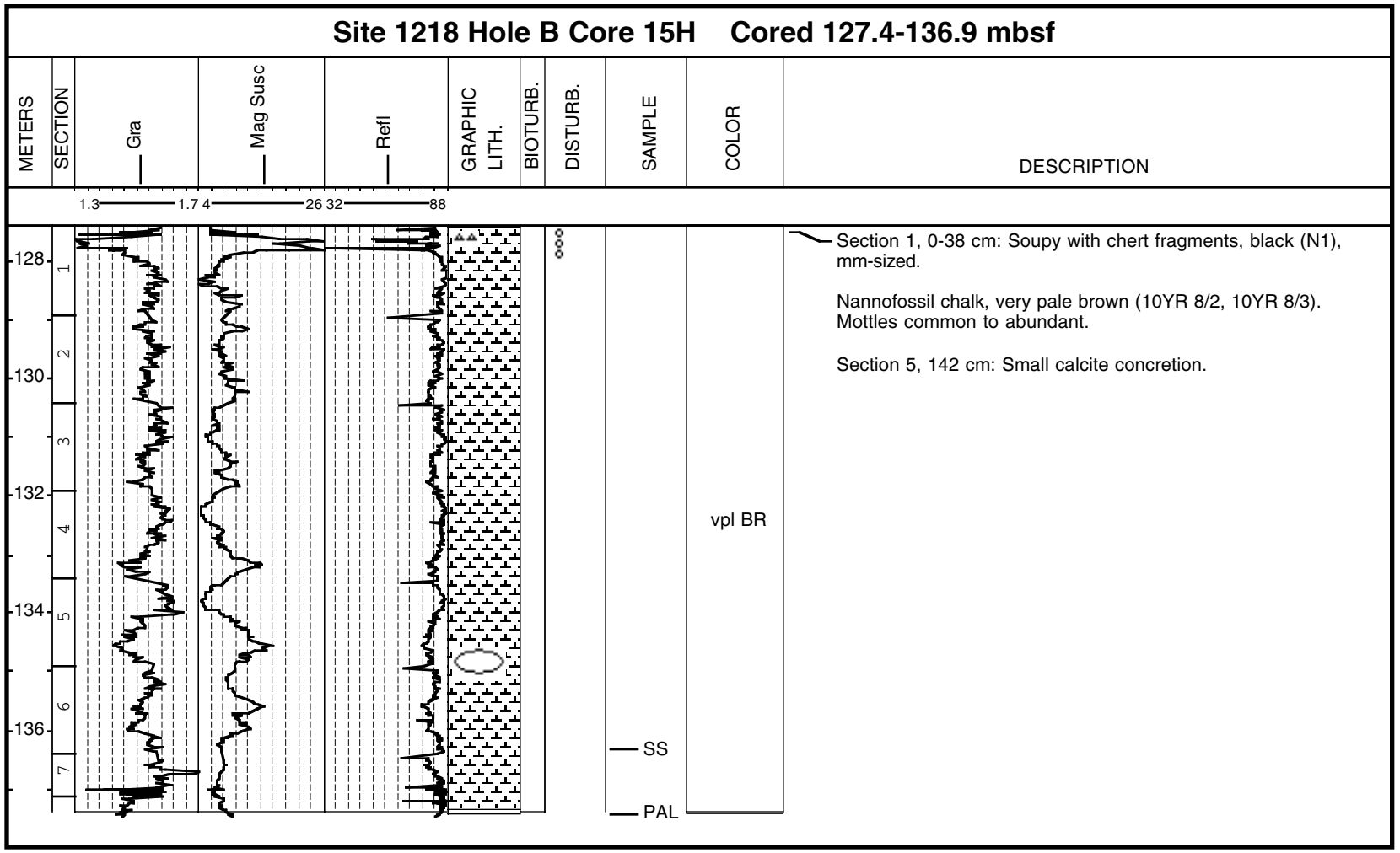
Core Photo


Site 1218 Hole B Core 13H Cored 108.4-117.9 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.2
1.6
4
25
45
88
110
112
114
116
118
1
2
3
4
5
6
7
SS
SS
PAL
vpl BR
Nannofossil ooze with radiolarians and clay, very pale brown (10YR 8/2, 10YR 7/3). Faint decimeter-scale color variations. Black (10YR 2/1) spots. Mottles common, very pale brown (10YR 8/2).

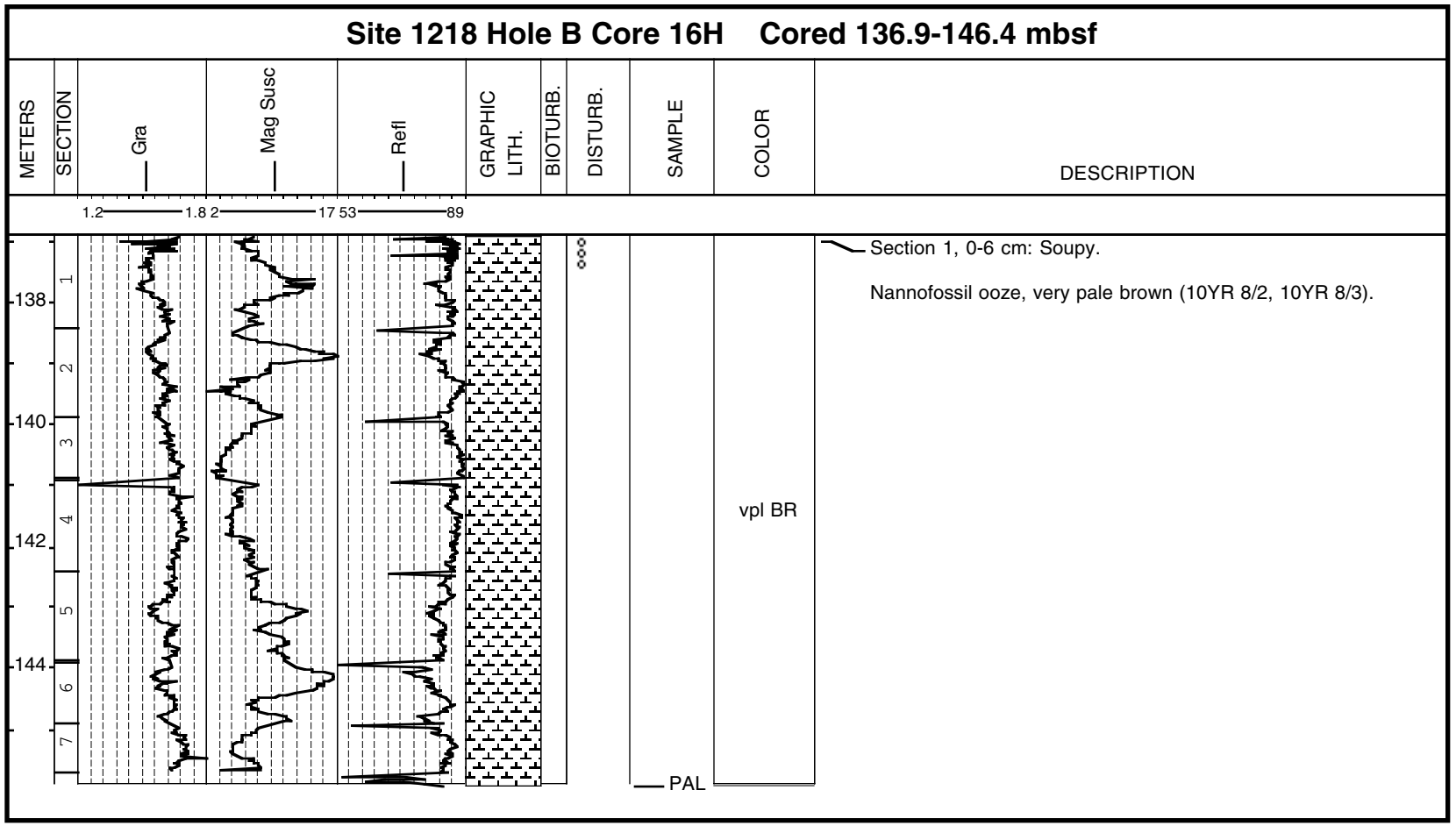
Core Photo


Site 1218 Hole B Core 14H Cored 117.9-127.4 mbsf
METERS
SECTION
Gra
Mag Susc
Refl
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.3
1.8
3
26
32
89
120
122
124
126
1
2
3
4
5
6
7
SS
PAL
vpl BR
Nannofossil ooze, very pale brown (10YR 8/3), gradual change to very pale brown (10YR 8/2) in Section 4, 23 cm. Homogeneous.
Section 4, 54-58 cm, Section 6, 40-46 cm: Nannofossil chalk.

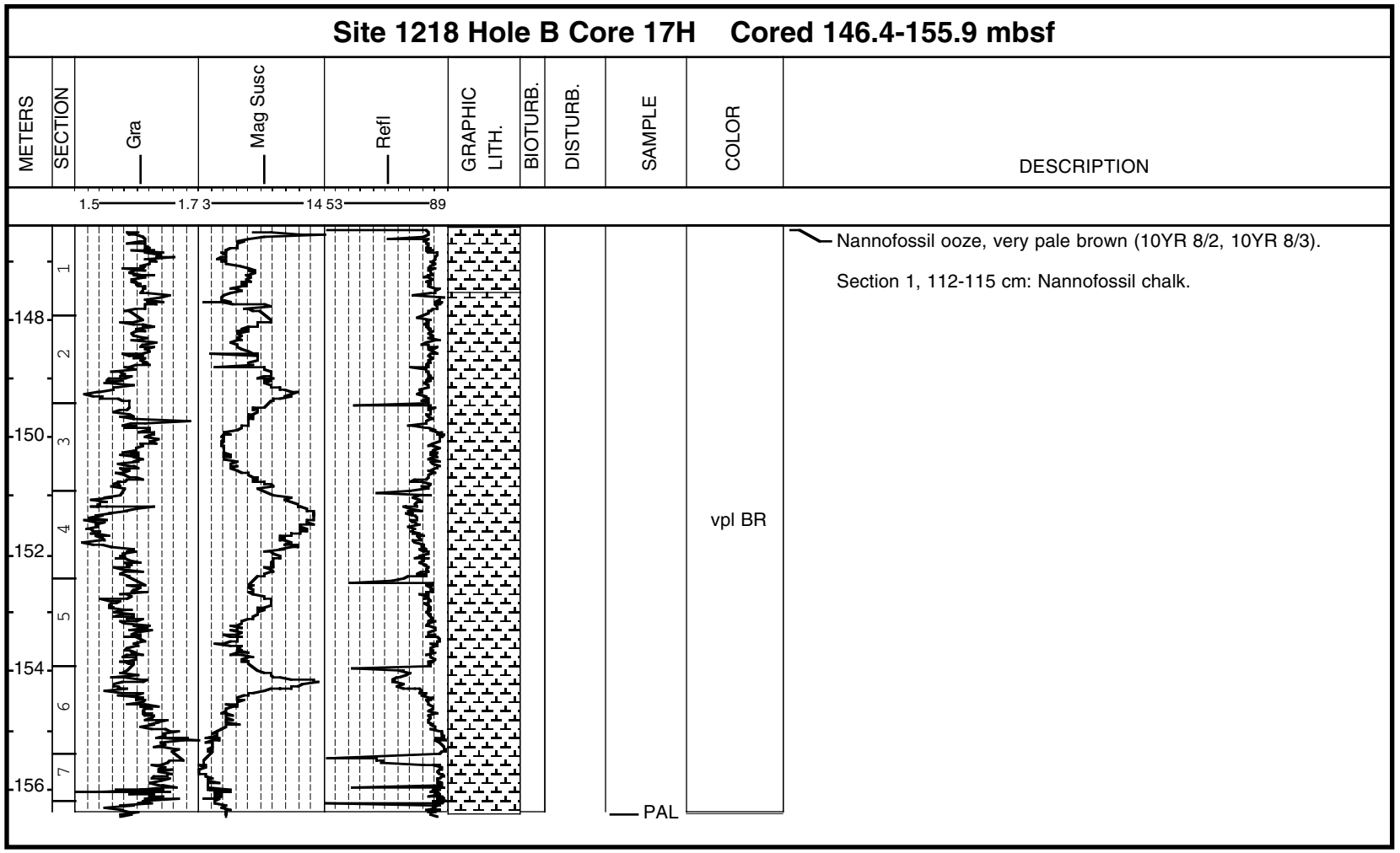
Core Photo


Site 1218 Hole B Core 15H Cored 127.4-136.9 mbsf
METERS
SECTION
Gra
Mag Susc
Refl
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.3
1.7 4
26 32
88
128
130
132
134
136
1
2
3
4
5
6
7
SS
PAL
vpl BR
Section 1, 0-38 cm: Soupy with chert fragments, black (N1), mm-sized.
Nannofossil chalk, very pale brown (10YR 8/2, 10YR 8/3). Mottles common to abundant.
Section 5, 142 cm: Small calcite concretion.

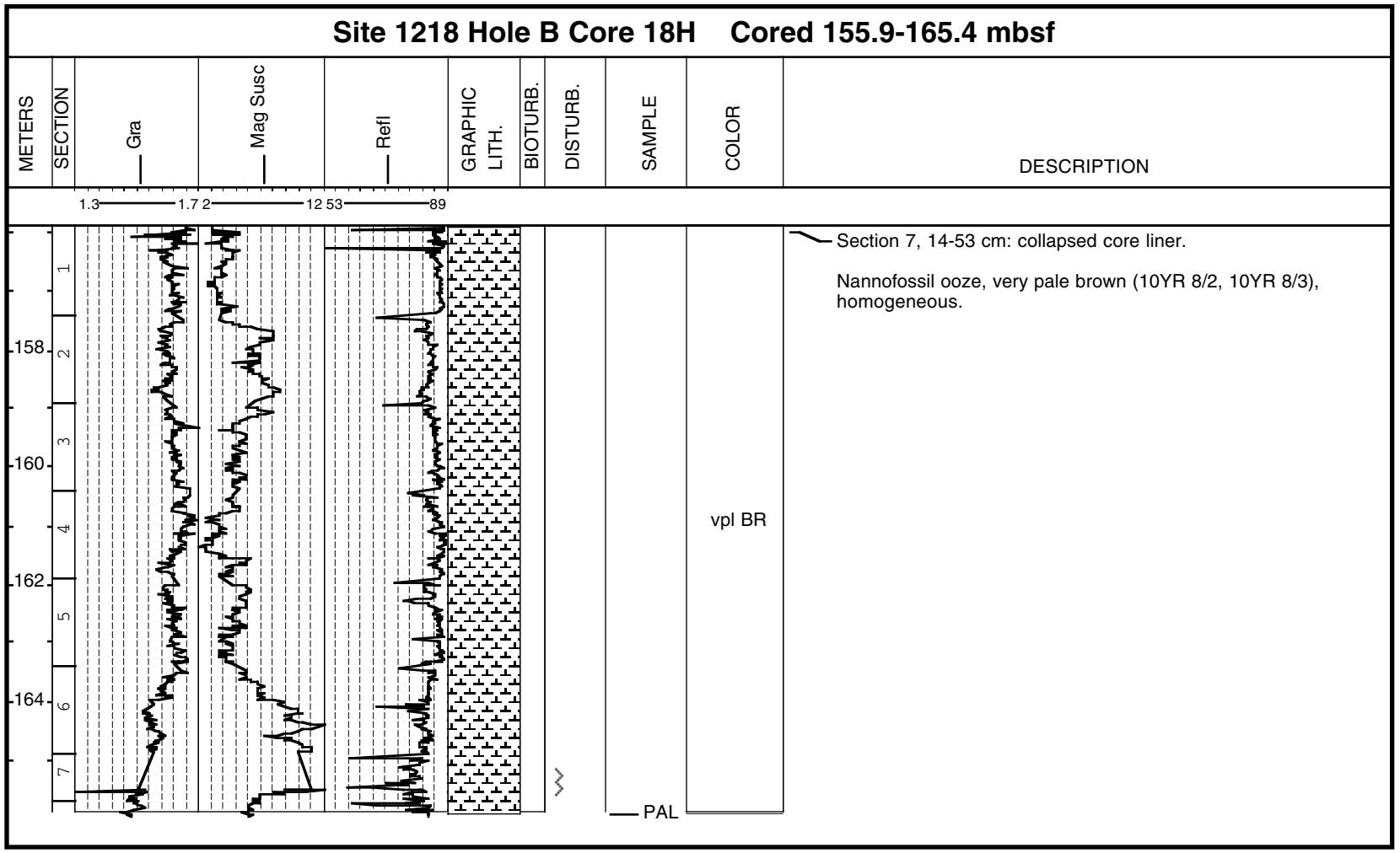
Core Photo


Site 1218 Hole B Core 16H Cored 136.9-146.4 mbsf
METERS
SECTION
Gra
Mag Susc
Refl
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.2
1.8
2
17
53
89
138
140
142
144
1
2
3
4
5
6
7
PAL
vpl BR
Section 1, 0-6 cm: Soupy.
Nannofossil ooze, very pale brown (10YR 8/2, 10YR 8/3).

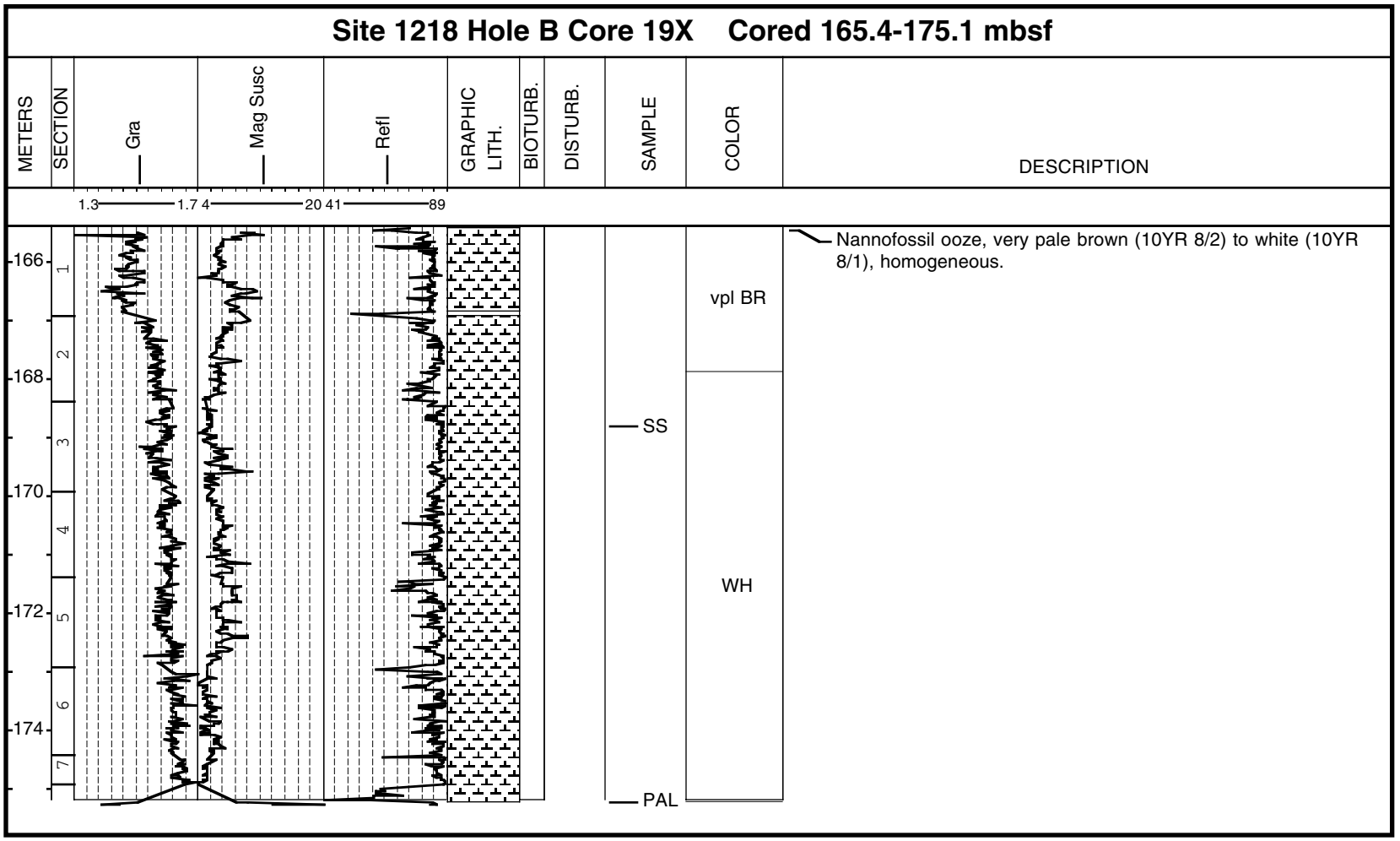
Core Photo


Site 1218 Hole B Core 17H Cored 146.4-155.9 mbsf
METERS
SECTION
Gra
Mag Susc
Refl
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.5
1.7
3
14
53
89
148
150
152
154
156
1
2
3
4
5
6
7
PAL
vpl BR
Nannofossil ooze, very pale brown (10YR 8/2, 10YR 8/3).
Section 1, 112-115 cm: Nannofossil chalk.

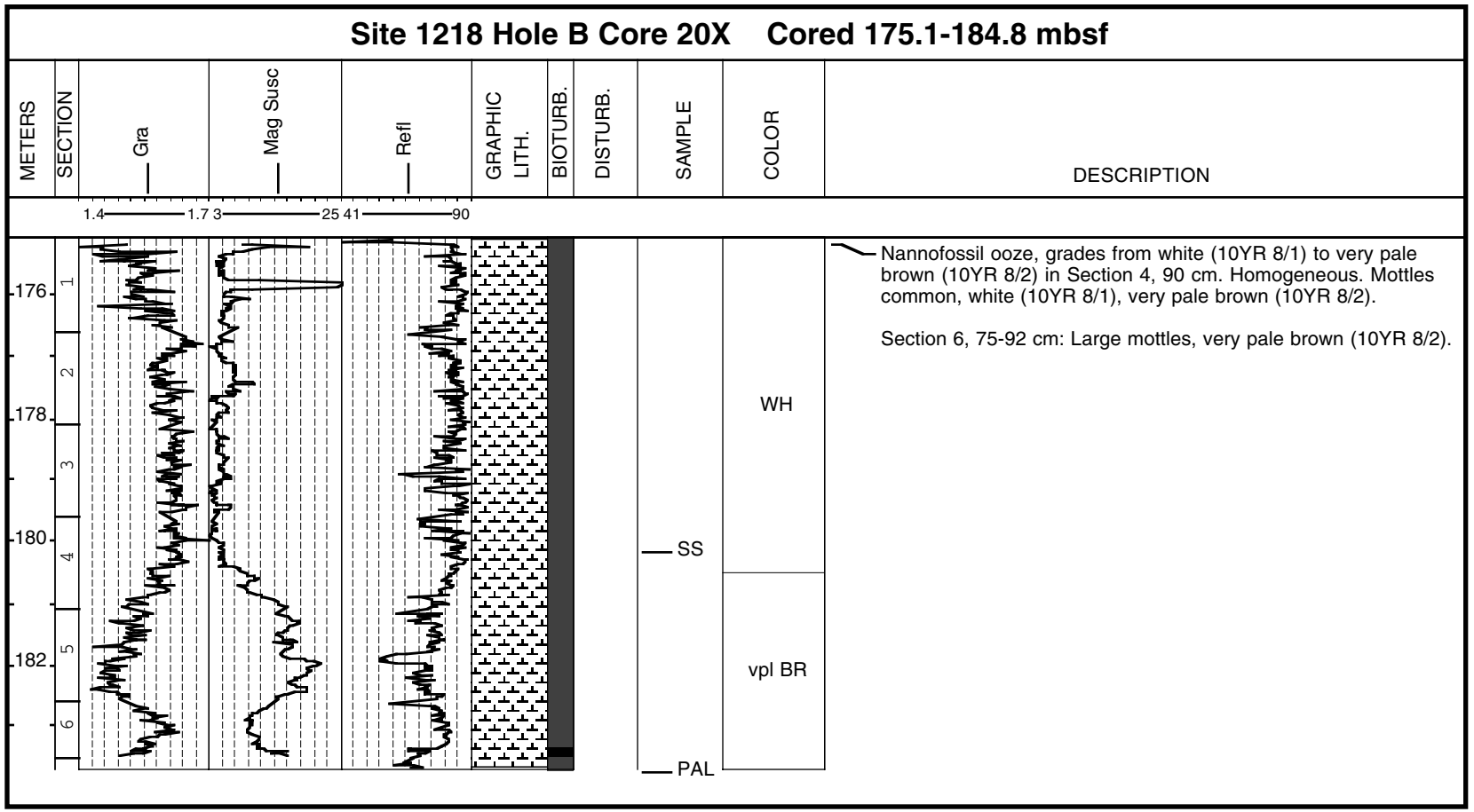
Core Photo


Site 1218 Hole B Core 18H Cored 155.9-165.4 mbsf
METERS
SECTION
Gra
Mag Susc
Refl
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.3
1.7
2
12
53
89
158
160
162
164
1
2
3
4
5
6
7
PAL
vpl BR
Section 7, 14-53 cm: collapsed core liner.
Nannofossil ooze, very pale brown (10YR 8/2, 10YR 8/3), homogeneous.

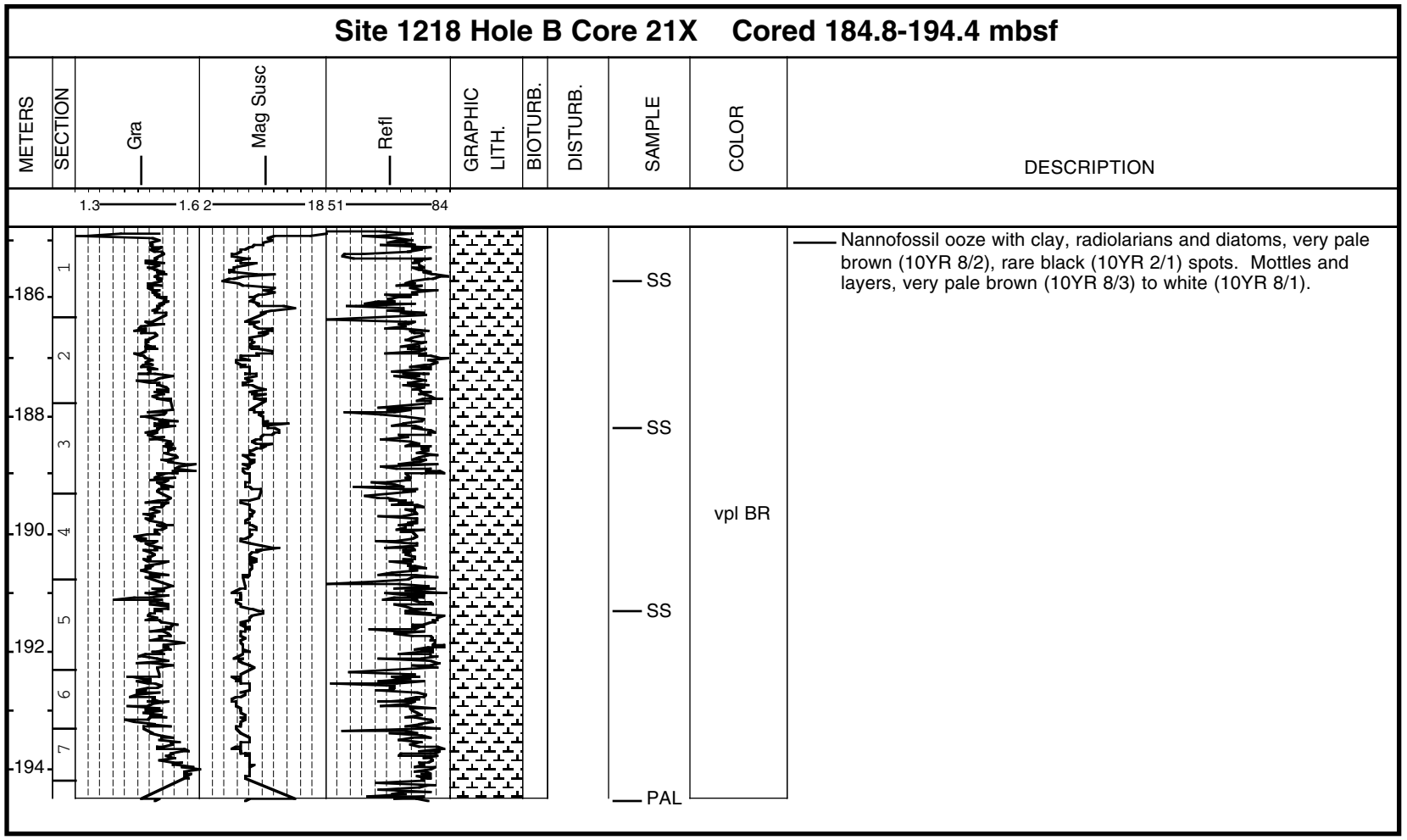
Core Photo


Site 1218 Hole B Core 19X Cored 165.4-175.1 mbsf
METERS
SECTION
Gra
Mag Susc
Refl
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.3
1.7 4
20 41
89
166
168
170
172
174
1
2
3
4
5
6
7
SS
PAL
vpl BR
WH
Nannofossil ooze, very pale brown (10YR 8/2) to white (10YR 8/1), homogeneous.

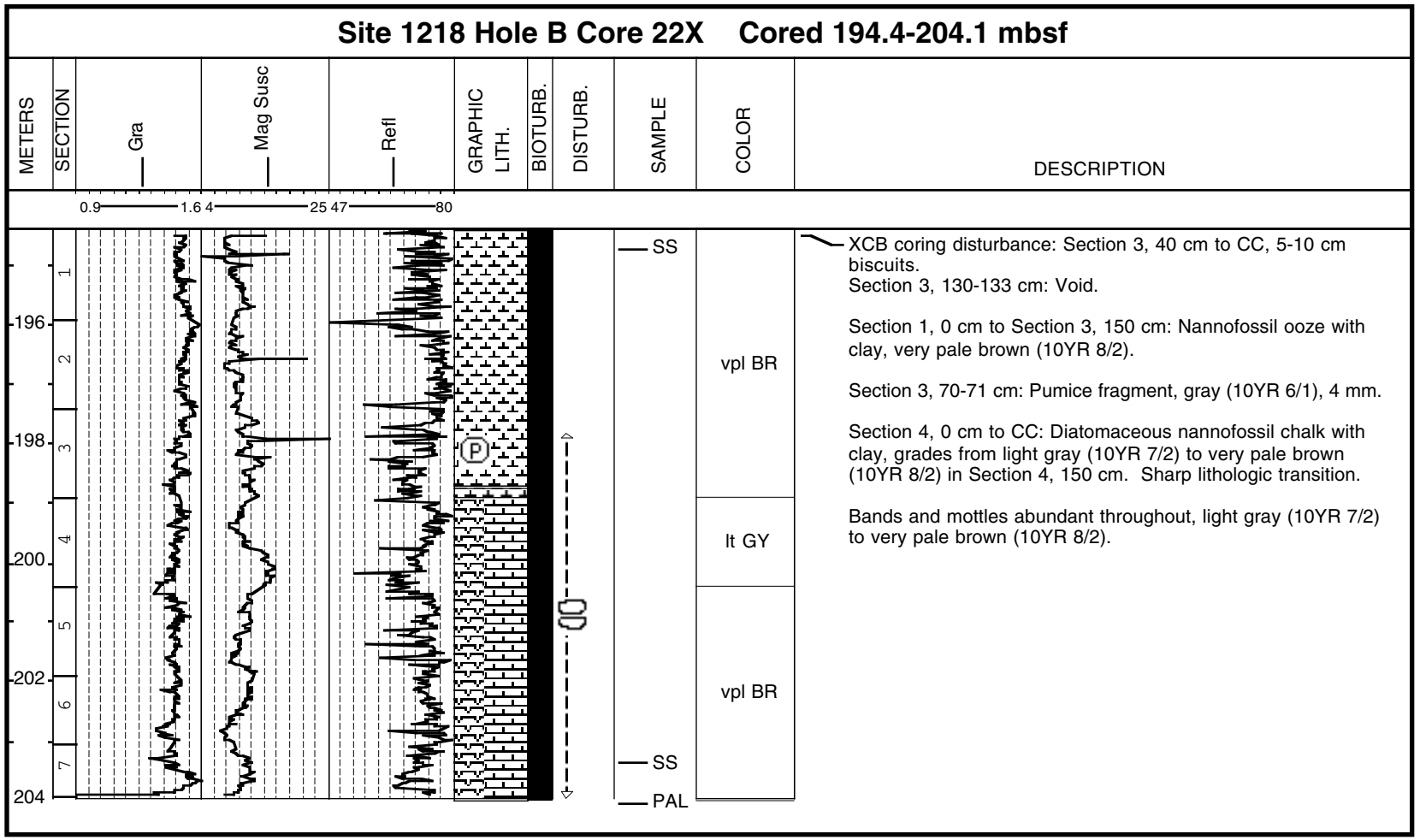
Core Photo


Site 1218 Hole B Core 20X Cored 175.1-184.8 mbsf
METERS
SECTION
Gra
Mag Susc
Refl
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.4
1.7 3
25 41
90
176
178
180
182
1
2
3
4
5
6
SS
PAL
WH
vpl BR
Nannofossil ooze, grades from white (10YR 8/1) to very pale brown (10YR 8/2) in Section 4, 90 cm. Homogeneous. Mottles common, white (10YR 8/1), very pale brown (10YR 8/2).
Section 6, 75-92 cm: Large mottles, very pale brown (10YR 8/2).

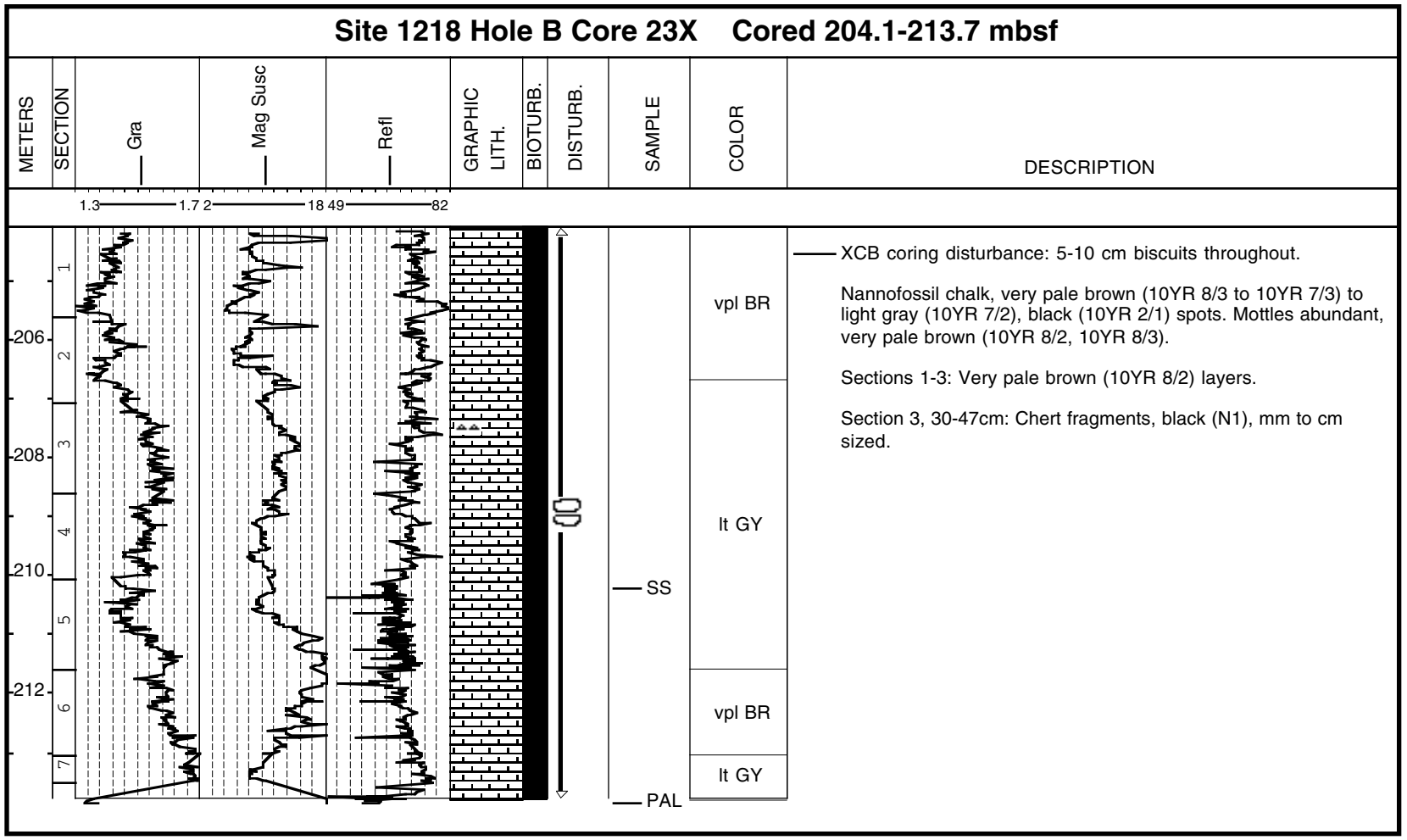
Core Photo


Site 1218 Hole B Core 21X Cored 184.8-194.4 mbsf
METERS
SECTION
Gra
Mag Susc
Refl
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.3
1.6
2
18
51
84
186
188
190
192
194
1
2
3
4
5
6
7
SS
SS
SS
PAL
vpl BR
Nannofossil ooze with clay, radiolarians and diatoms, very pale brown (10YR 8/2), rare black (10YR 2/1) spots. Mottles and layers, very pale brown (10YR 8/3) to white (10YR 8/1).

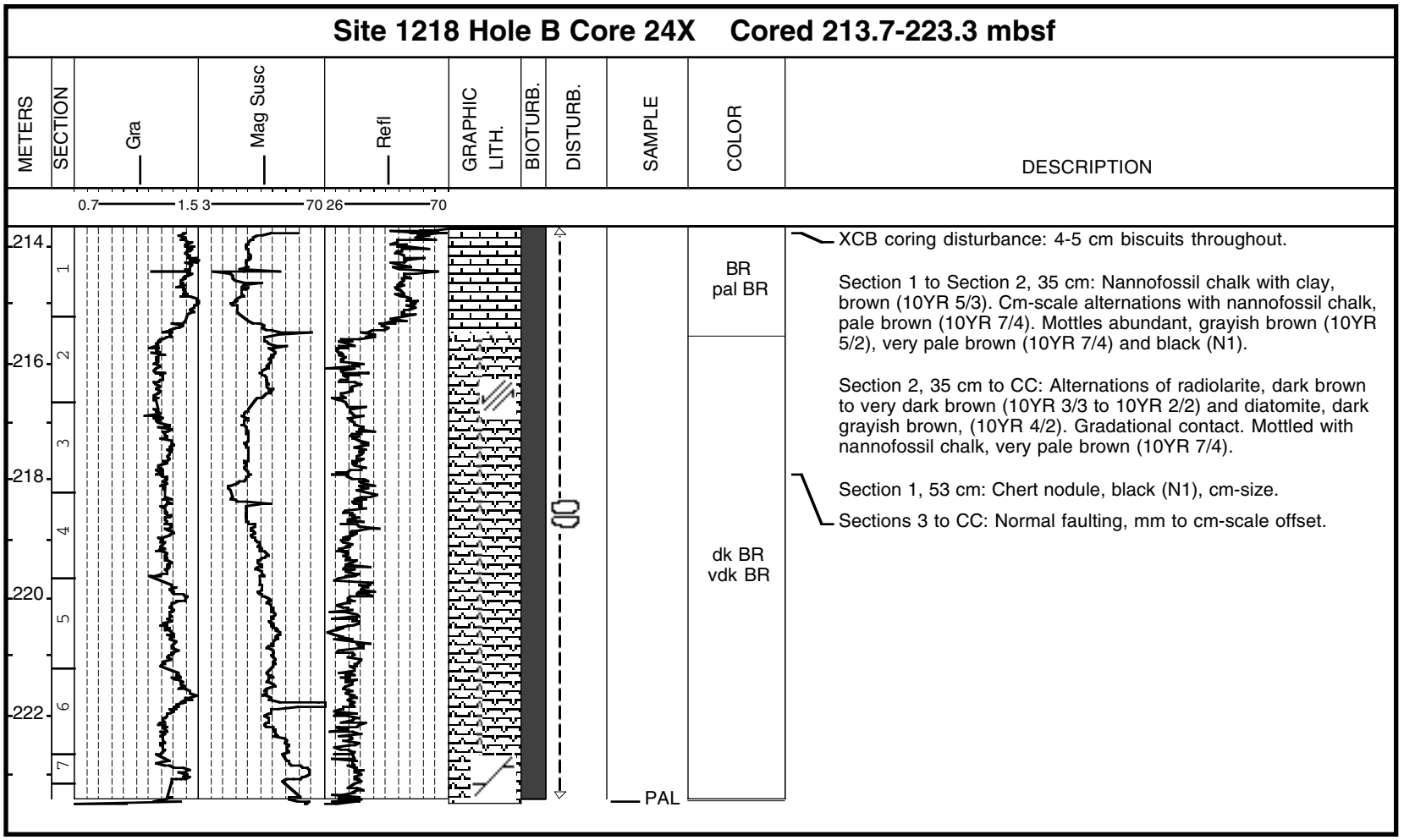
Core Photo


Site 1218 Hole B Core 22X Cored 194.4-204.1 mbsf
METERS
SECTION
Gra
Mag Susc
Refl
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
0.9
1.6
4
25
47
80
196
198
200
202
204
1
2
3
4
5
6
7
SS
SS
PAL
vpl BR
lt GY
vpl BR
XCB coring disturbance: Section 3, 40 cm to CC, 5-10 cm biscuits.
Section 3, 130-133 cm: Void.
Section 1, 0 cm to Section 3, 150 cm: Nannofossil ooze with clay, very pale brown (10YR 8/2).
Section 3, 70-71 cm: Pumice fragment, gray (10YR 6/1), 4 mm.
Section 4, 0 cm to CC: Diatomaceous nannofossil chalk with clay, grades from light gray (10YR 7/2) to very pale brown (10YR 8/2) in Section 4, 150 cm. Sharp lithologic transition.
Bands and mottles abundant throughout, light gray (10YR 7/2) to very pale brown (10YR 8/2).

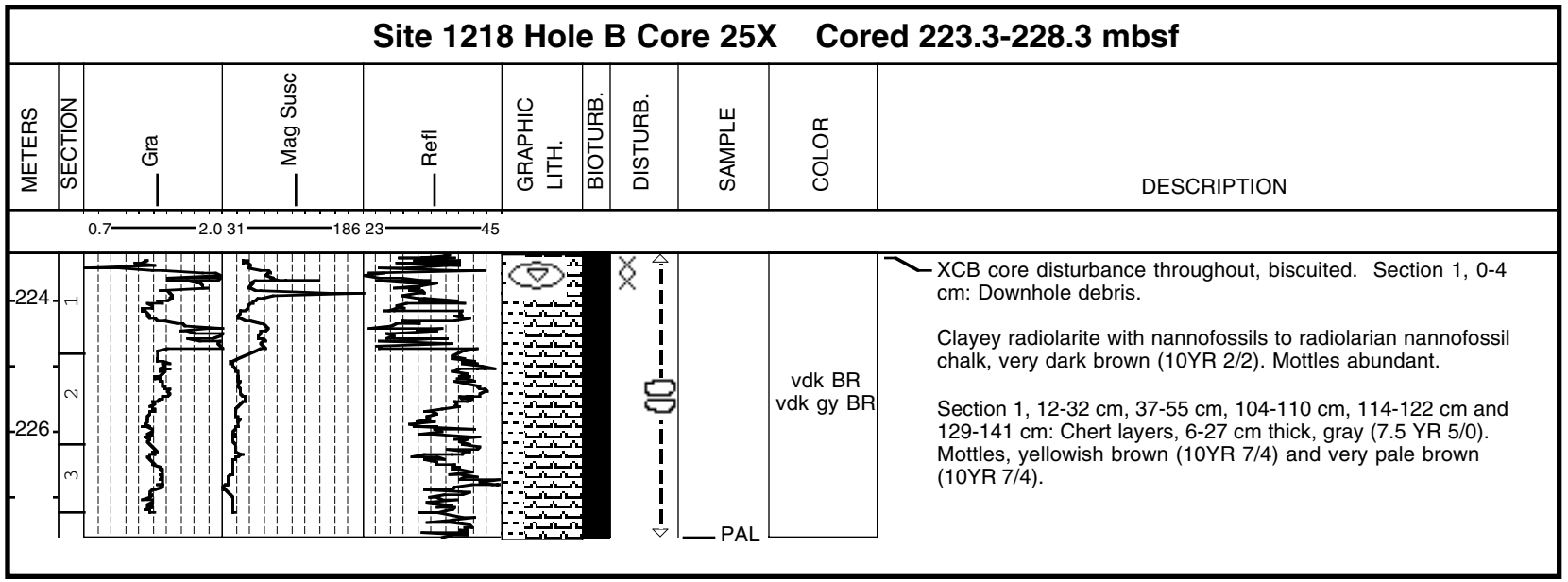
Core Photo


Site 1218 Hole B Core 23X Cored 204.1-213.7 mbsf
METERS
SECTION
Gra
Mag Susc
Refl
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.3
1.7
2
18
49
82
206
208
210
212
1
2
3
4
5
6
7
SS
PAL
vpl BR
lt GY
vpl BR
lt GY
XCB coring disturbance: 5-10 cm biscuits throughout.
Nannofossil chalk, very pale brown (10YR 8/3 to 10YR 7/3) to light gray (10YR 7/2), black (10YR 2/1) spots. Mottles abundant, very pale brown (10YR 8/2, 10YR 8/3).
Sections 1-3: Very pale brown (10YR 8/2) layers.
Section 3, 30-47cm: Chert fragments, black (N1), mm to cm sized.

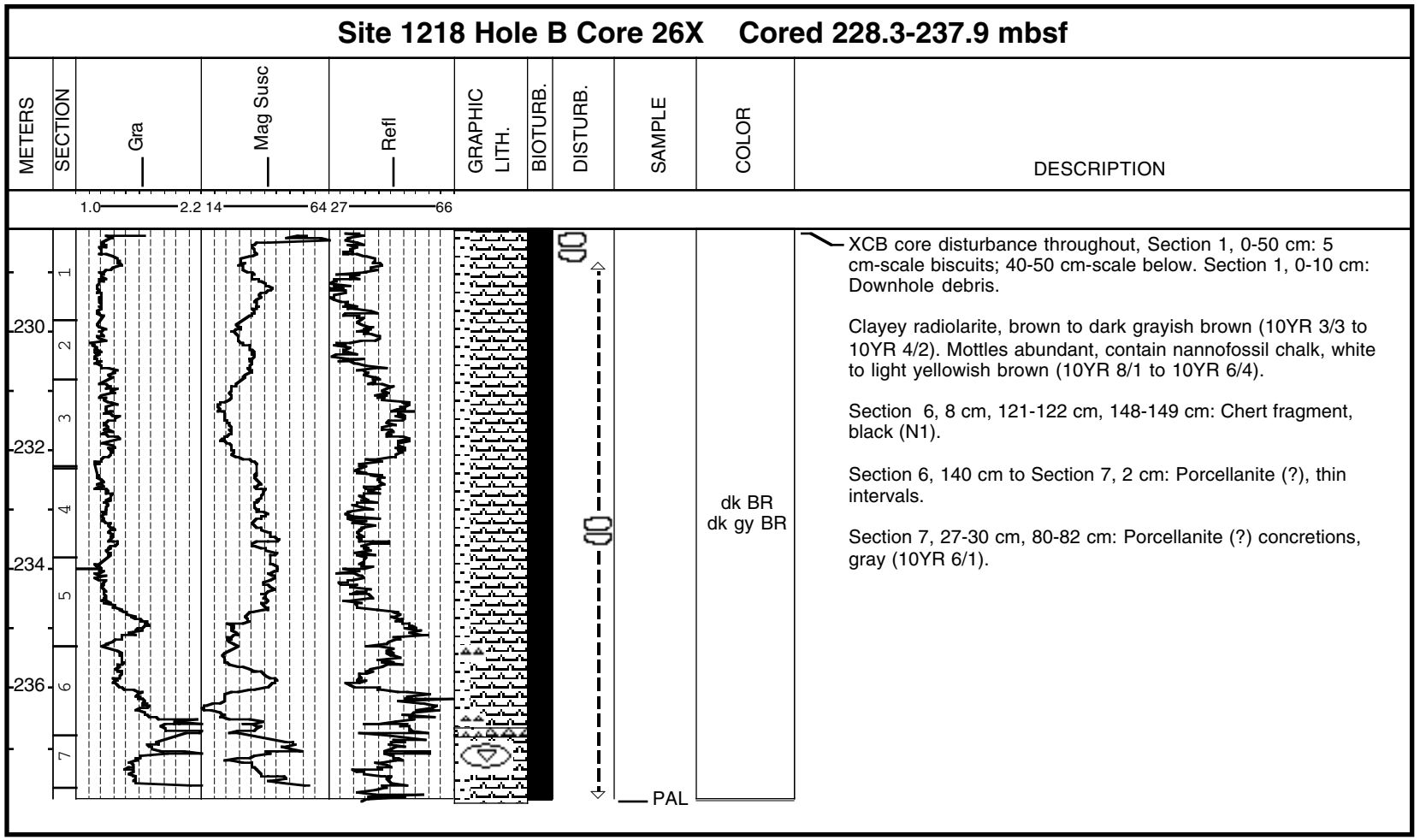
Core Photo


Site 1218 Hole B Core 24X Cored 213.7-223.3 mbsf
METERS
SECTION
Gra
Mag Susc
Refl
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
0.7
1.5
3
70
26
70
214
216
218
220
222
1
2
3
4
5
6
7
PAL
BR
pal BR
dk BR
vdk BR
XCB coring disturbance: 4-5 cm biscuits throughout.
Section 1 to Section 2, 35 cm: Nannofossil chalk with clay, brown (10YR 5/3). Cm-scale alternations with nannofossil chalk, pale brown (10YR 7/4). Mottles abundant, grayish brown (10YR 5/2), very pale brown (10YR 7/4) and black (N1).
Section 2, 35 cm to CC: Alternations of radiolarite, dark brown to very dark brown (10YR 3/3 to 10YR 2/2) and diatomite, dark grayish brown, (10YR 4/2). Gradational contact. Mottled with nannofossil chalk, very pale brown (10YR 7/4).
Section 1, 53 cm: Chert nodule, black (N1), cm-size.
Sections 3 to CC: Normal faulting, mm to cm-scale offset.

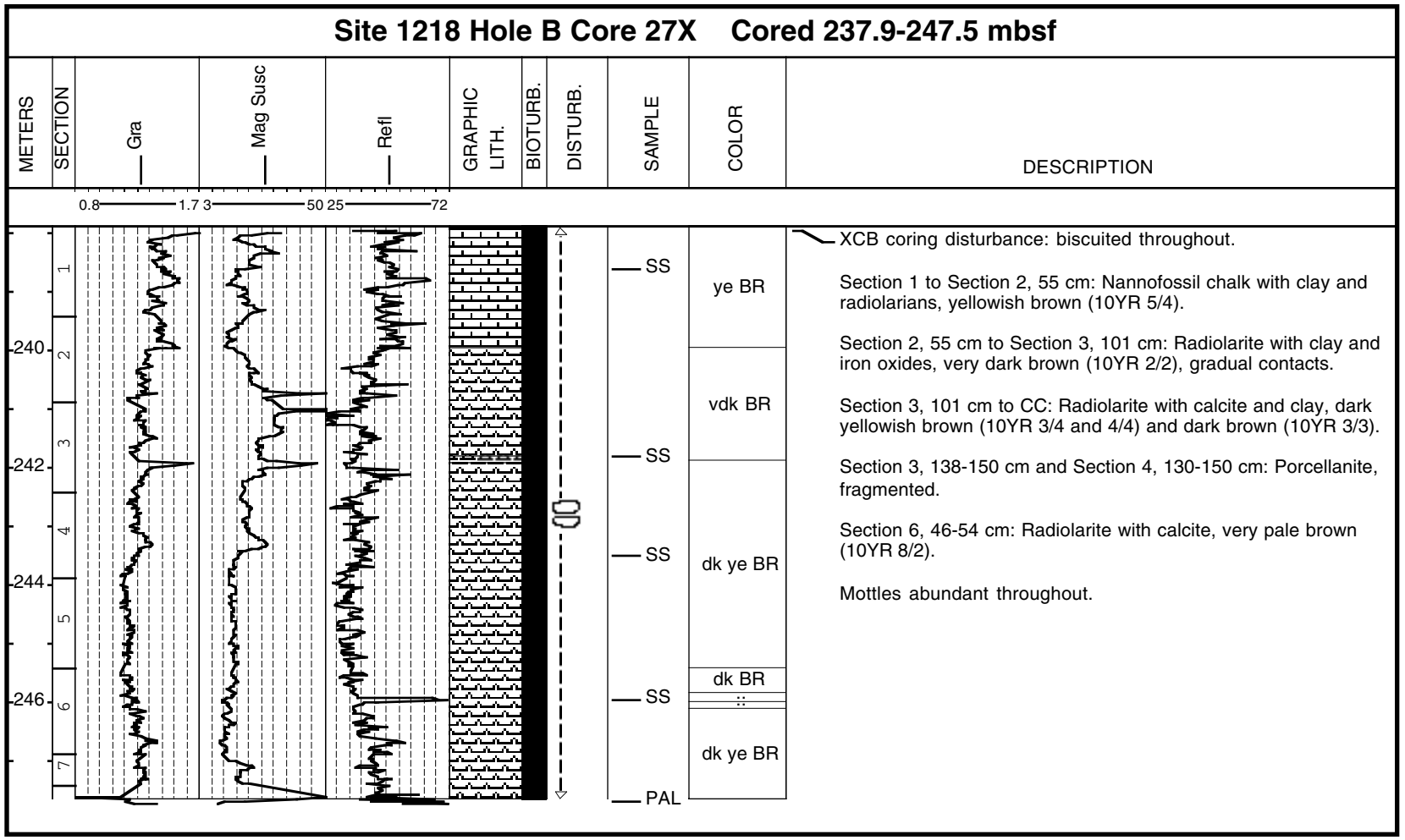
Core Photo


Site 1218 Hole B Core 25X Cored 223.3-228.3 mbsf
METERS
SECTION
Gra
Mag Susc
Refl
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
0.7
2.0
31
186
23
45
224
226
1
2
3
PAL
vdk BR
vdk gy BR
XCB core disturbance throughout, biscuited. Section 1, 0-4 cm: Downhole debris.
Clayey radiolarite with nannofossils to radiolarian nannofossil chalk, very dark brown (10YR 2/2). Mottles abundant.
Section 1, 12-32 cm, 37-55 cm, 104-110 cm, 114-122 cm and 129-141 cm: Chert layers, 6-27 cm thick, gray (7.5 YR 5/0). Mottles, yellowish brown (10YR 7/4) and very pale brown (10YR 7/4).

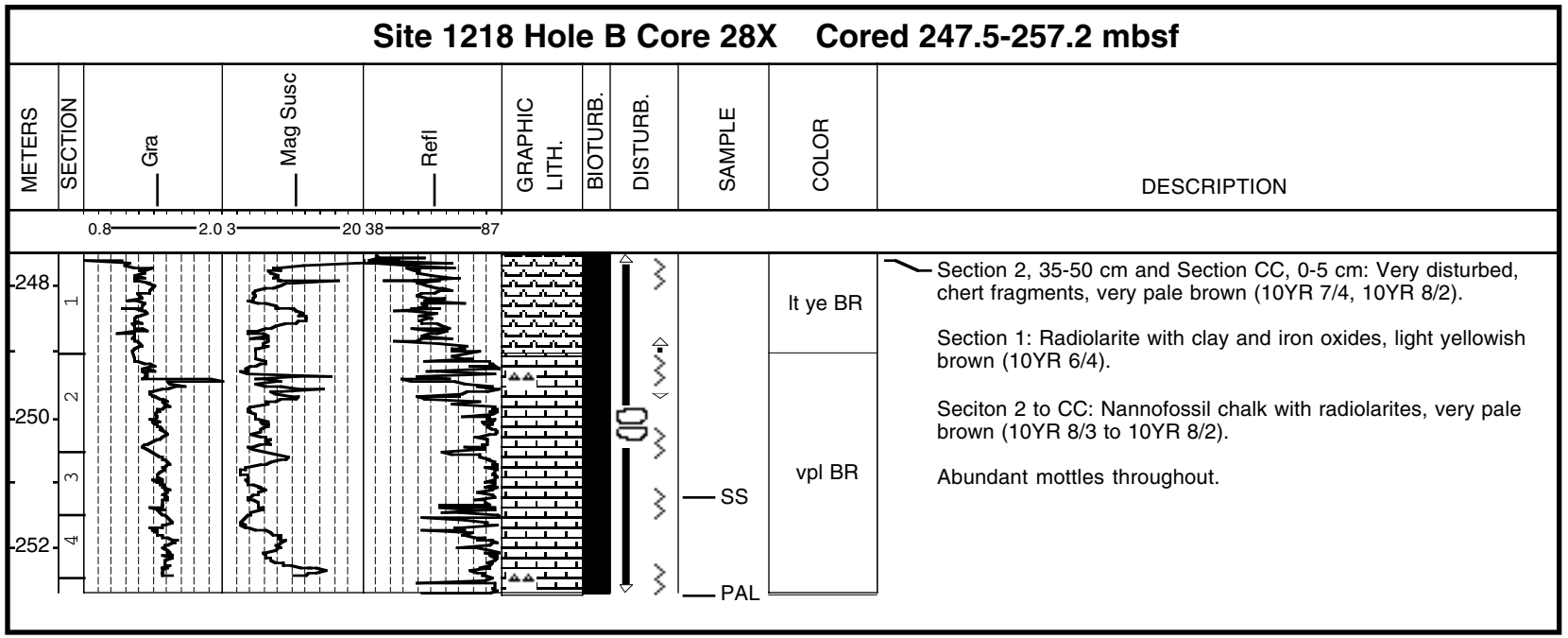
Core Photo


Site 1218 Hole B Core 26X Cored 228.3-237.9 mbsf
METERS
SECTION
Gra
Mag Susc
Refl
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
2.2
14
64
27
66
230
232
234
236
1
2
3
4
5
6
7
PAL
dk BR
dk gy BR
XCB core disturbance throughout, Section 1, 0-50 cm: 5 cm-scale biscuits; 40-50 cm-scale below. Section 1, 0-10 cm: Downhole debris.
Clayey radiolarite, brown to dark grayish brown (10YR 3/3 to 10YR 4/2). Mottles abundant, contain nannofossil chalk, white to light yellowish brown (10YR 8/1 to 10YR 6/4).
Section 6, 8 cm, 121-122 cm, 148-149 cm: Chert fragment, black (N1).
Section 6, 140 cm to Section 7, 2 cm: Porcellanite (?), thin intervals.
Section 7, 27-30 cm, 80-82 cm: Porcellanite (?) concretions, gray (10YR 6/1).

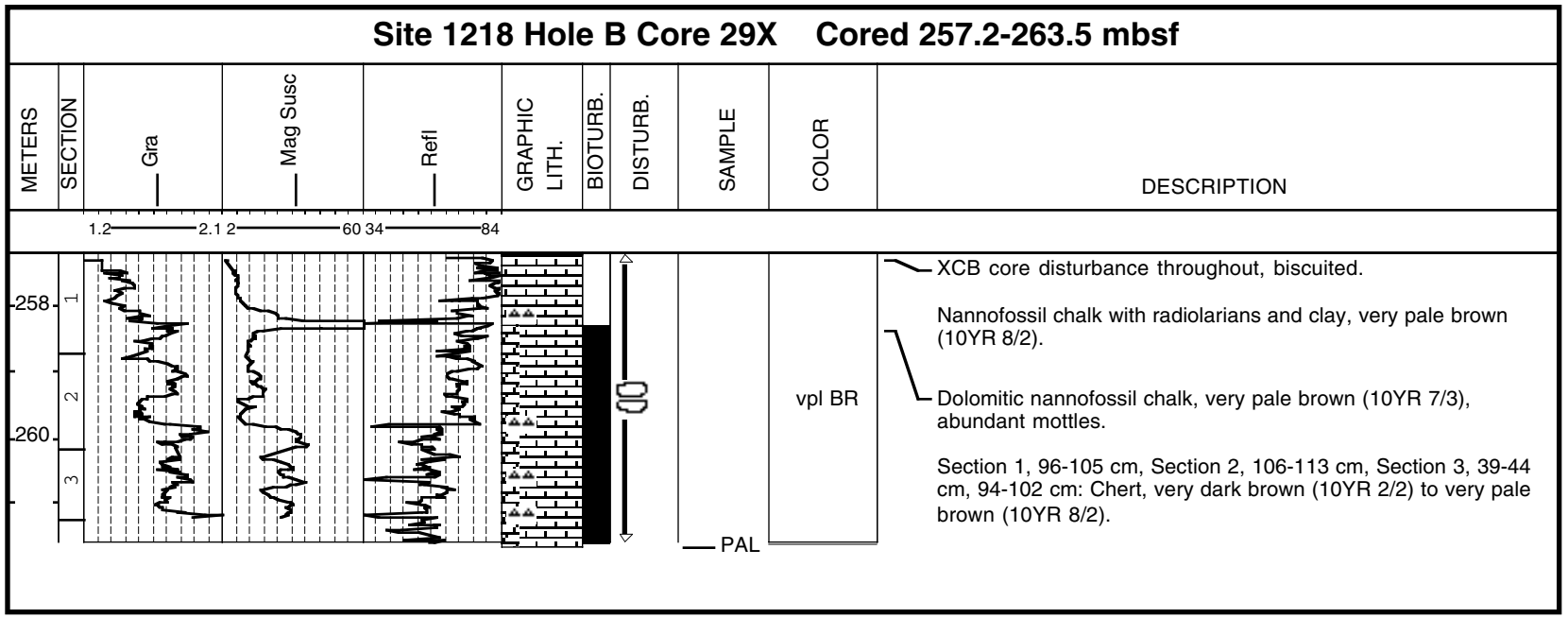
Core Photo


Site 1218 Hole B Core 27X Cored 237.9-247.5 mbsf
METERS
SECTION
Gra
Mag Susc
Refl
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
0.8
1.7
3
50
25
72
240
242
244
246
1
2
3
4
5
6
7
SS
SS
SS
SS
PAL
ye BR
vdk BR
dk ye BR
dk BR
dk ye BR
XCB coring disturbance: biscuited throughout.
Section 1 to Section 2, 55 cm: Nannofossil chalk with clay and radiolarians, yellowish brown (10YR 5/4).
Section 2, 55 cm to Section 3, 101 cm: Radiolarite with clay and iron oxides, very dark brown (10YR 2/2), gradual contacts.
Section 3, 101 cm to CC: Radiolarite with calcite and clay, dark yellowish brown (10YR 3/4 and 4/4) and dark brown (10YR 3/3).
Section 3, 138-150 cm and Section 4, 130-150 cm: Porcellanite, fragmented.
Section 6, 46-54 cm: Radiolarite with calcite, very pale brown (10YR 8/2).
Mottles abundant throughout.

Core Photo

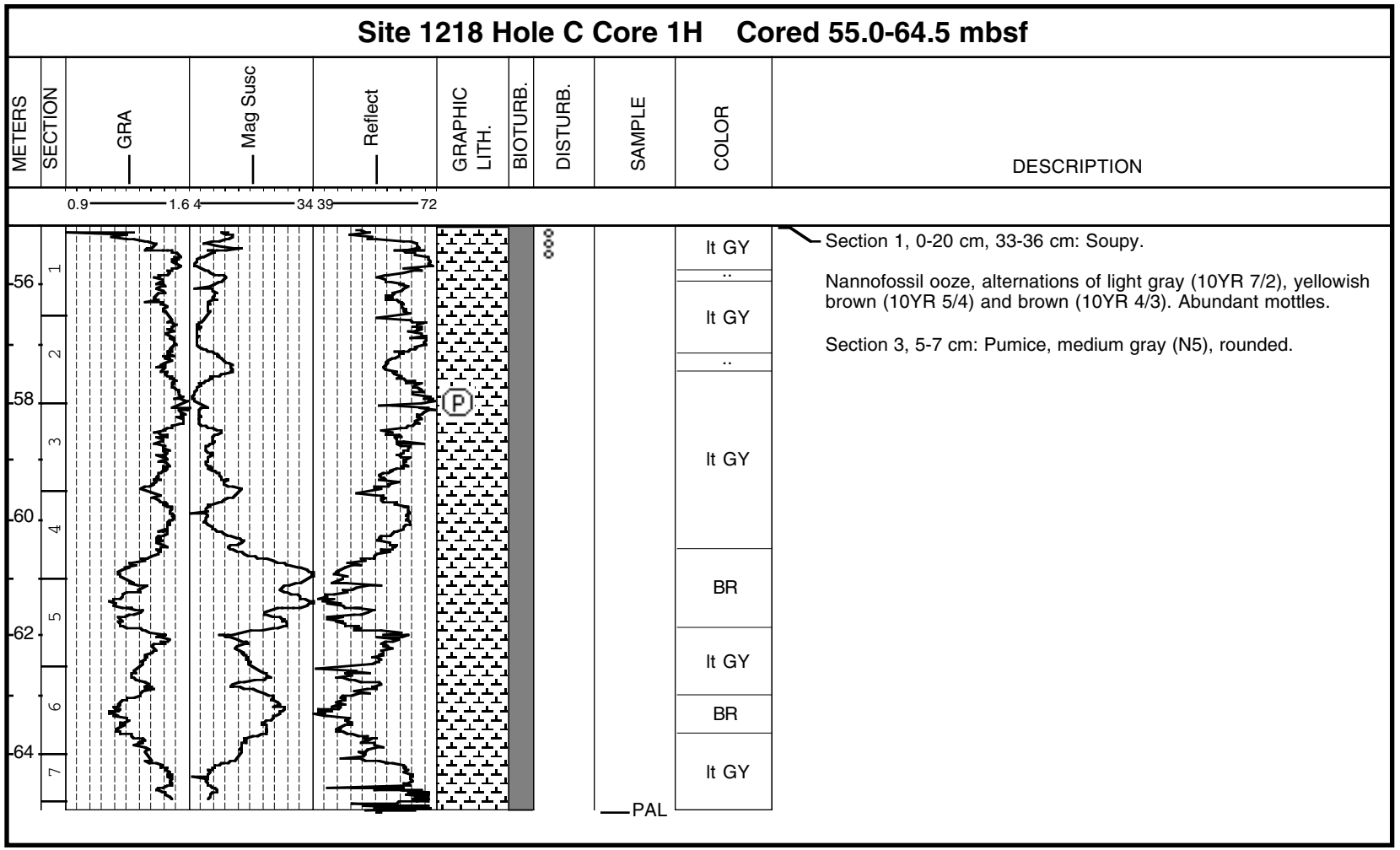

Site 1218 Hole B Core 28X Cored 247.5-257.2 mbsf
METERS
SECTION
Gra
Mag Susc
Refl
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
0.8
2.0
3
20
38
87
248
250
252
1
2
3
4
SS
PAL
lt ye BR
vpl BR
Section 2, 35-50 cm and Section CC, 0-5 cm: Very disturbed, chert fragments, very pale brown (10YR 7/4, 10YR 8/2).
Section 1: Radiolarite with clay and iron oxides, light yellowish brown (10YR 6/4).
Seciton 2 to CC: Nannofossil chalk with radiolarites, very pale brown (10YR 8/3 to 10YR 8/2).
Abundant mottles throughout.

Core Photo

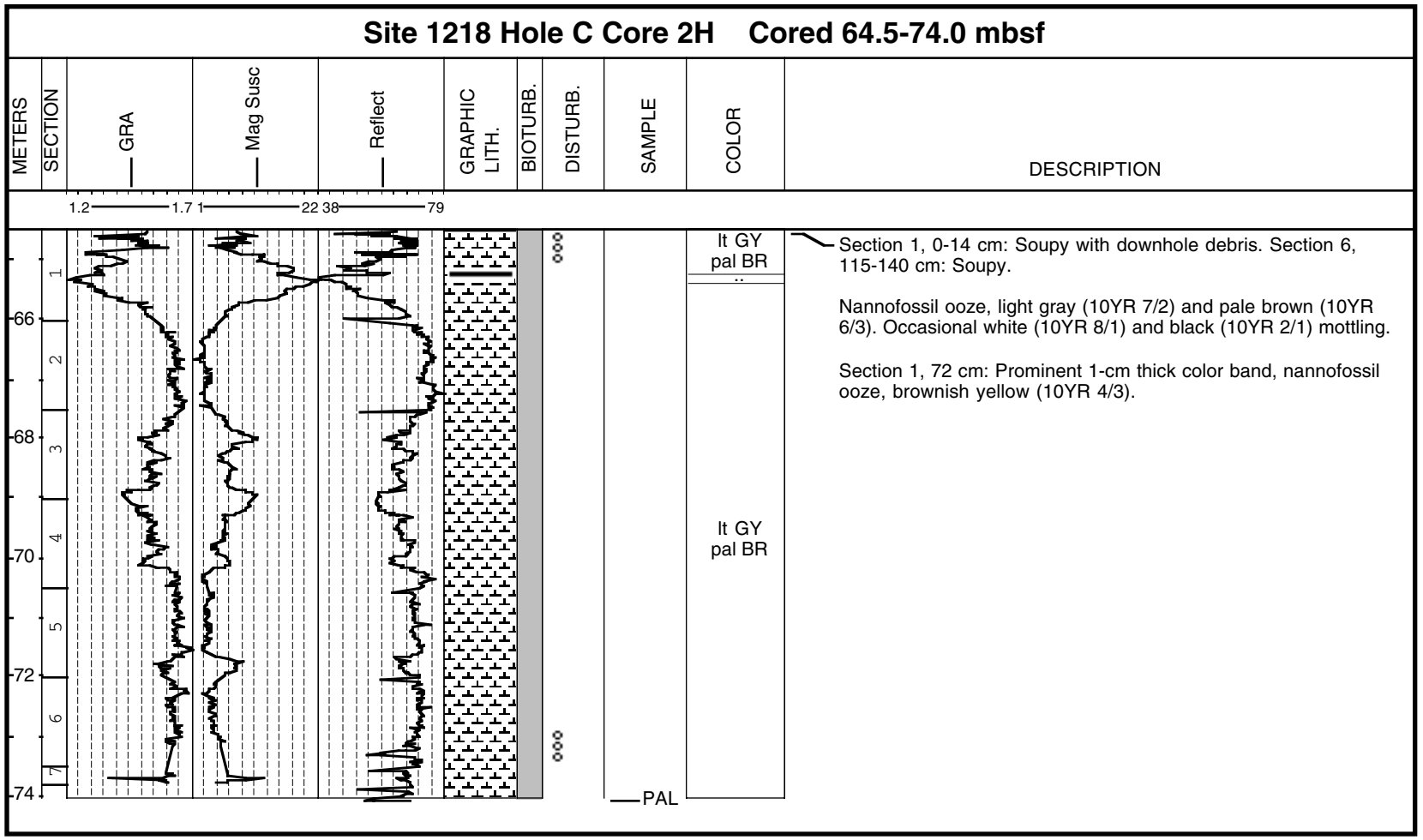


1218C-1W Drilled without coring

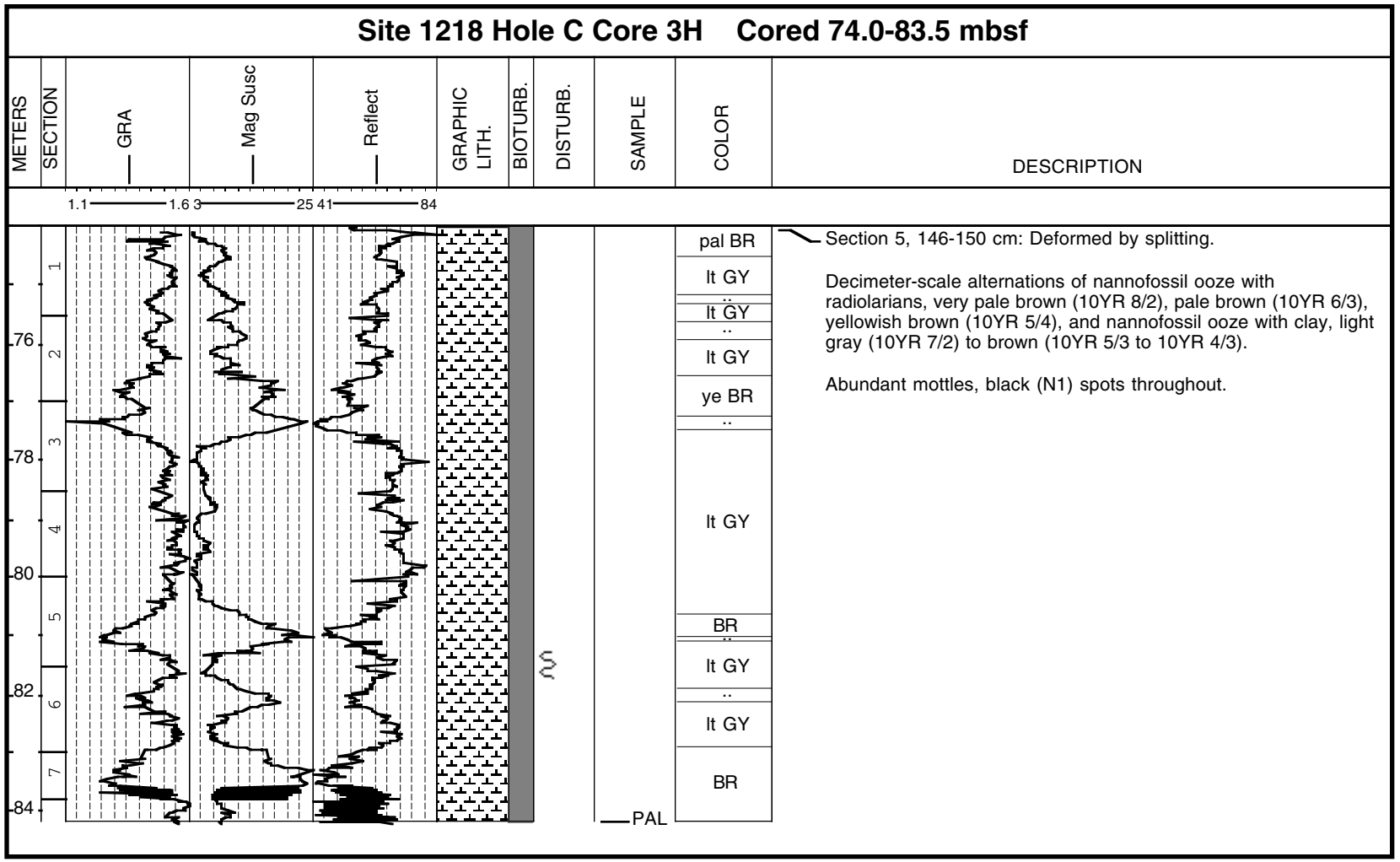
Core Photo


Site 1218 Hole C Core 1H Cored 55.0-64.5 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
0.9
1.6
4
34
39
72
56
58
60
62
64
1
2
3
4
5
6
7
P
PAL
lt GY
lt GY
lt GY
BR
lt GY
BR
lt GY
Section 1, 0-20 cm, 33-36 cm: Soupy.
Nannofossil ooze, alternations of light gray (10YR 7/2), yellowish brown (10YR 5/4) and brown (10YR 4/3). Abundant mottles.
Section 3, 5-7 cm: Pumice, medium gray (N5), rounded.

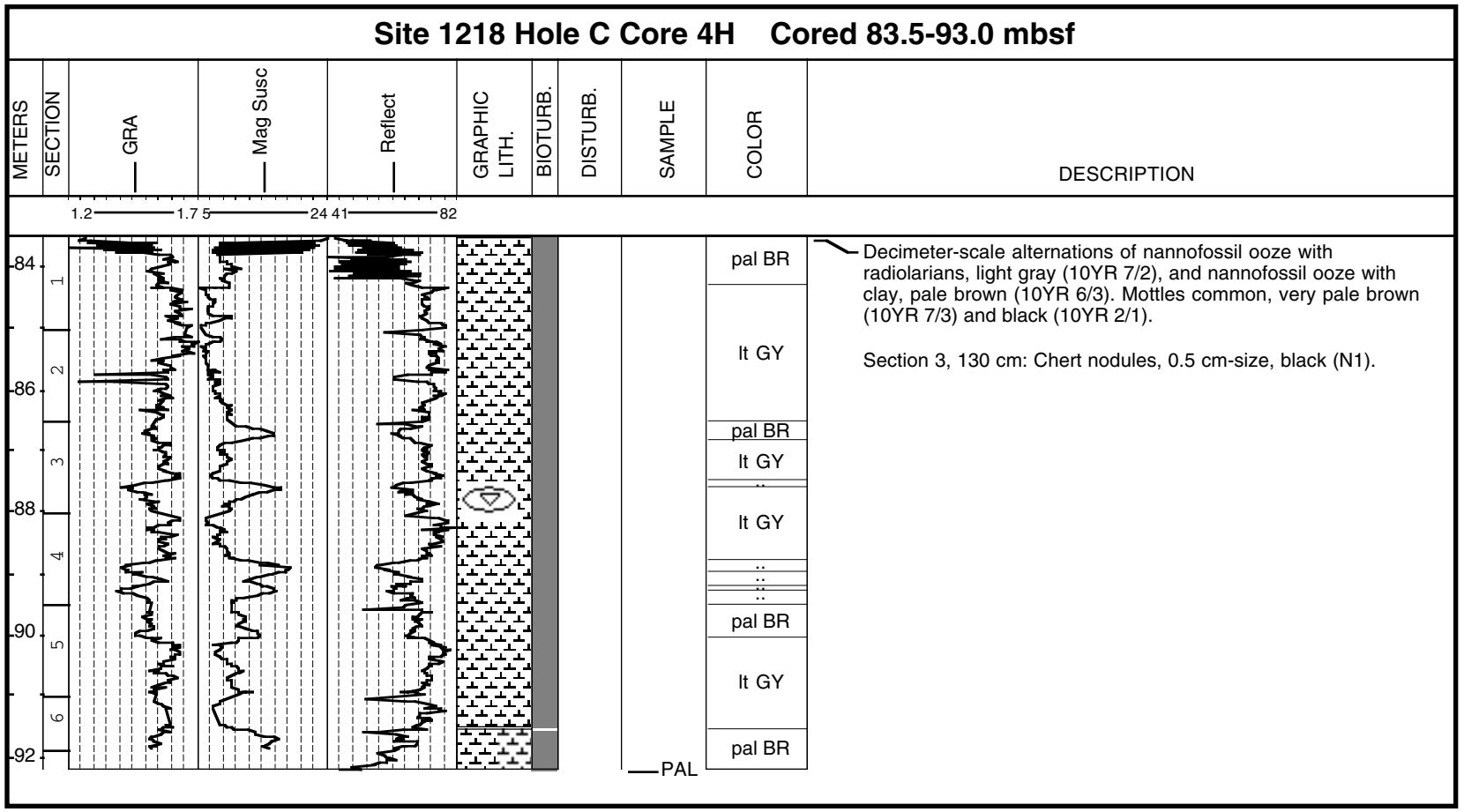
Core Photo


Site 1218 Hole C Core 2H Cored 64.5-74.0 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.2
1.7
1
22
38
79
66
68
70
72
74
1
2
3
4
5
6
7
lt GY pal BR
lt GY pal BR
PAL
Section 1, 0-14 cm: Soupy with downhole debris. Section 6, 115-140 cm: Soupy.
Nannofossil ooze, light gray (10YR 7/2) and pale brown (10YR 6/3). Occasional white (10YR 8/1) and black (10YR 2/1) mottling.
Section 1, 72 cm: Prominent 1-cm thick color band, nannofossil ooze, brownish yellow (10YR 4/3).

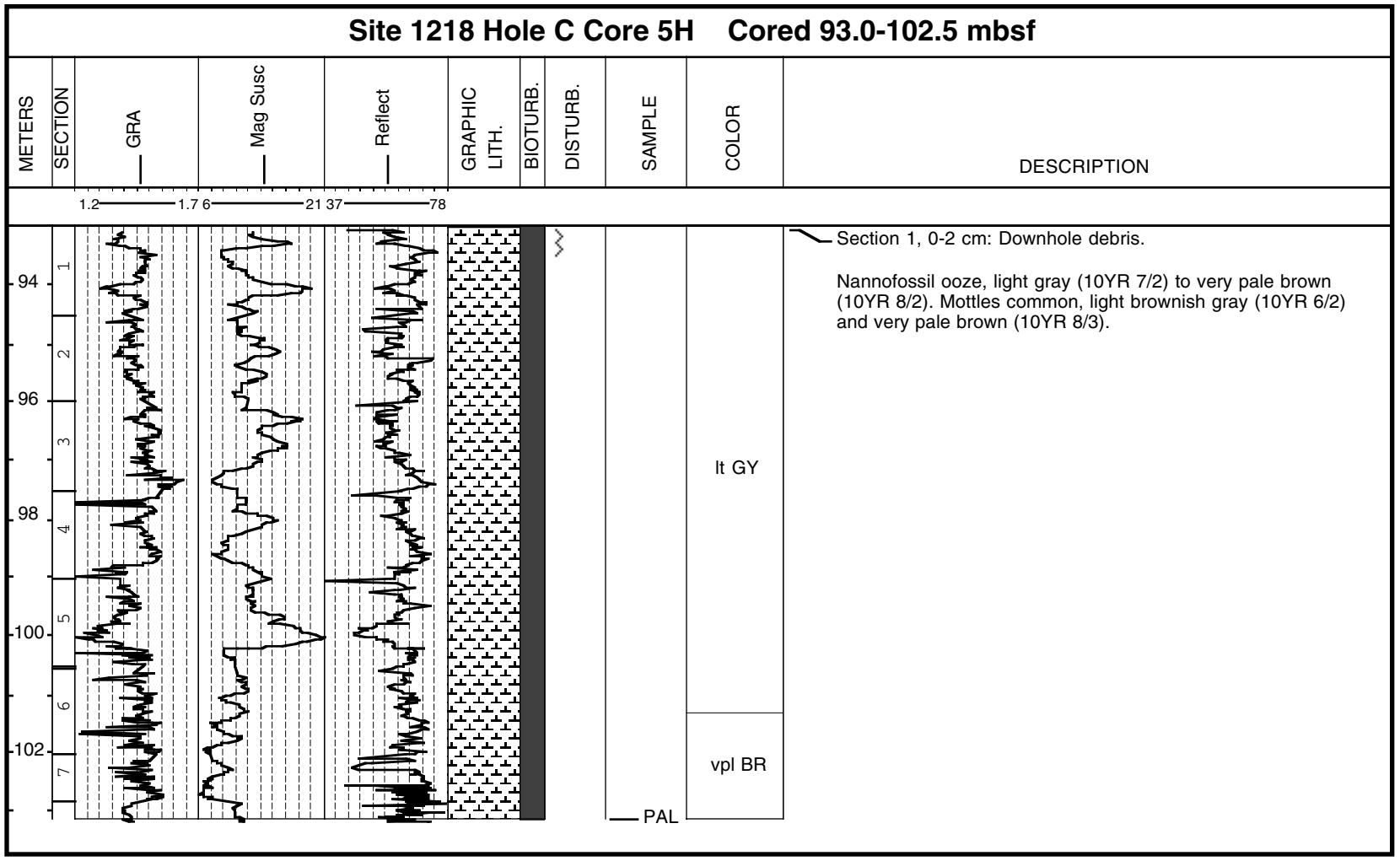
Core Photo


Site 1218 Hole C Core 3H Cored 74.0-83.5 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.1
1.6
3
25
41
84
76
78
80
82
84
1
2
3
4
5
6
7
PAL
pal BR
lt GY
lt GY
lt GY
ye BR
lt GY
BR
lt GY
lt GY
BR
Section 5, 146-150 cm: Deformed by splitting.
Decimeter-scale alternations of nannofossil ooze with radiolarians, very pale brown (10YR 8/2), pale brown (10YR 6/3), yellowish brown (10YR 5/4), and nannofossil ooze with clay, light gray (10YR 7/2) to brown (10YR 5/3 to 10YR 4/3).
Abundant mottles, black (N1) spots throughout.

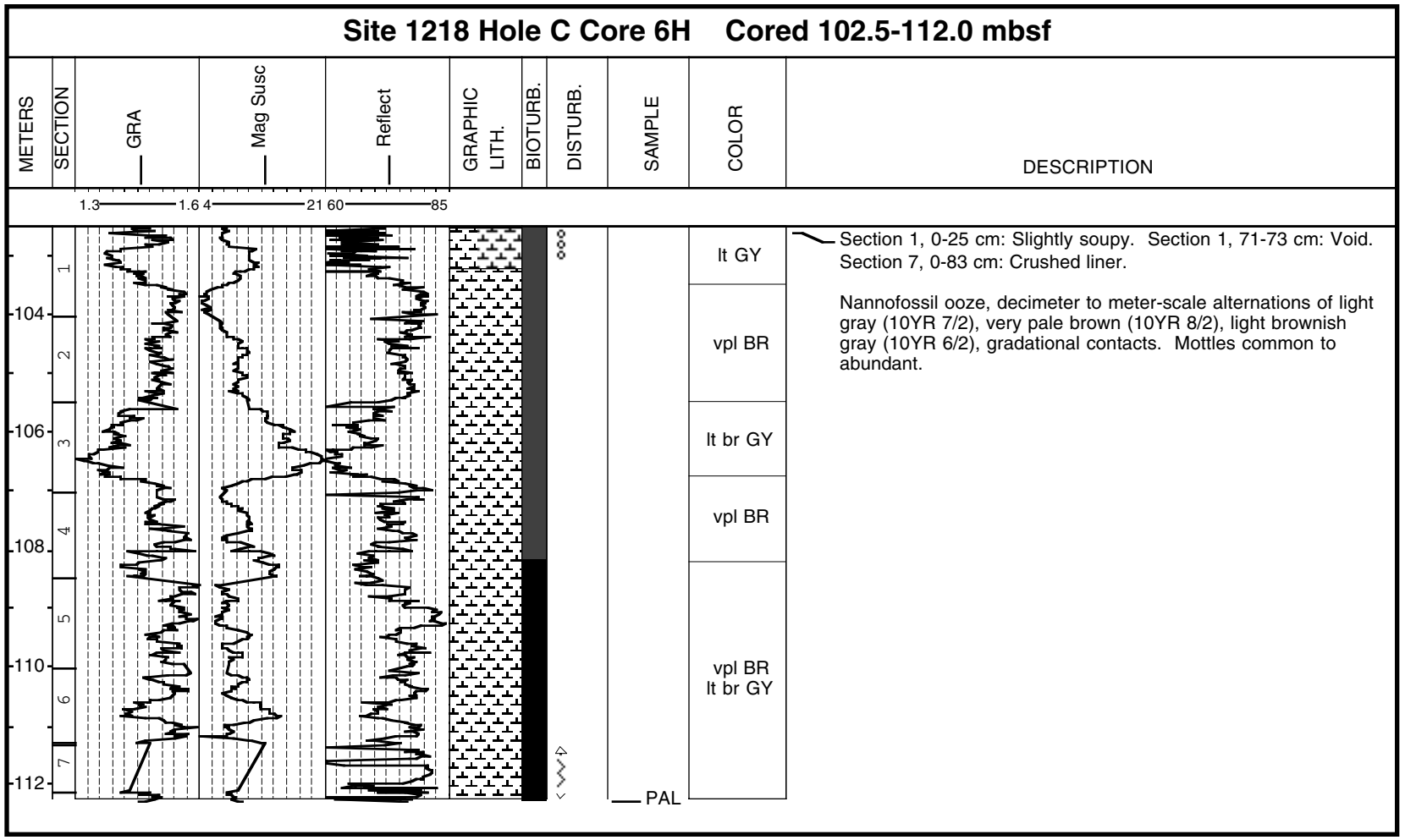
Core Photo


Site 1218 Hole C Core 4H Cored 83.5-93.0 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.2
1.7 5
24 41
82
84
86
88
90
92
1
2
3
4
5
6
PAL
pal BR
lt GY
pal BR
lt GY
lt GY
pal BR
lt GY
pal BR
Decimeter-scale alternations of nannofossil ooze with radiolarians, light gray (10YR 7/2), and nannofossil ooze with clay, pale brown (10YR 6/3). Mottles common, very pale brown (10YR 7/3) and black (10YR 2/1).
Section 3, 130 cm: Chert nodules, 0.5 cm-size, black (N1).

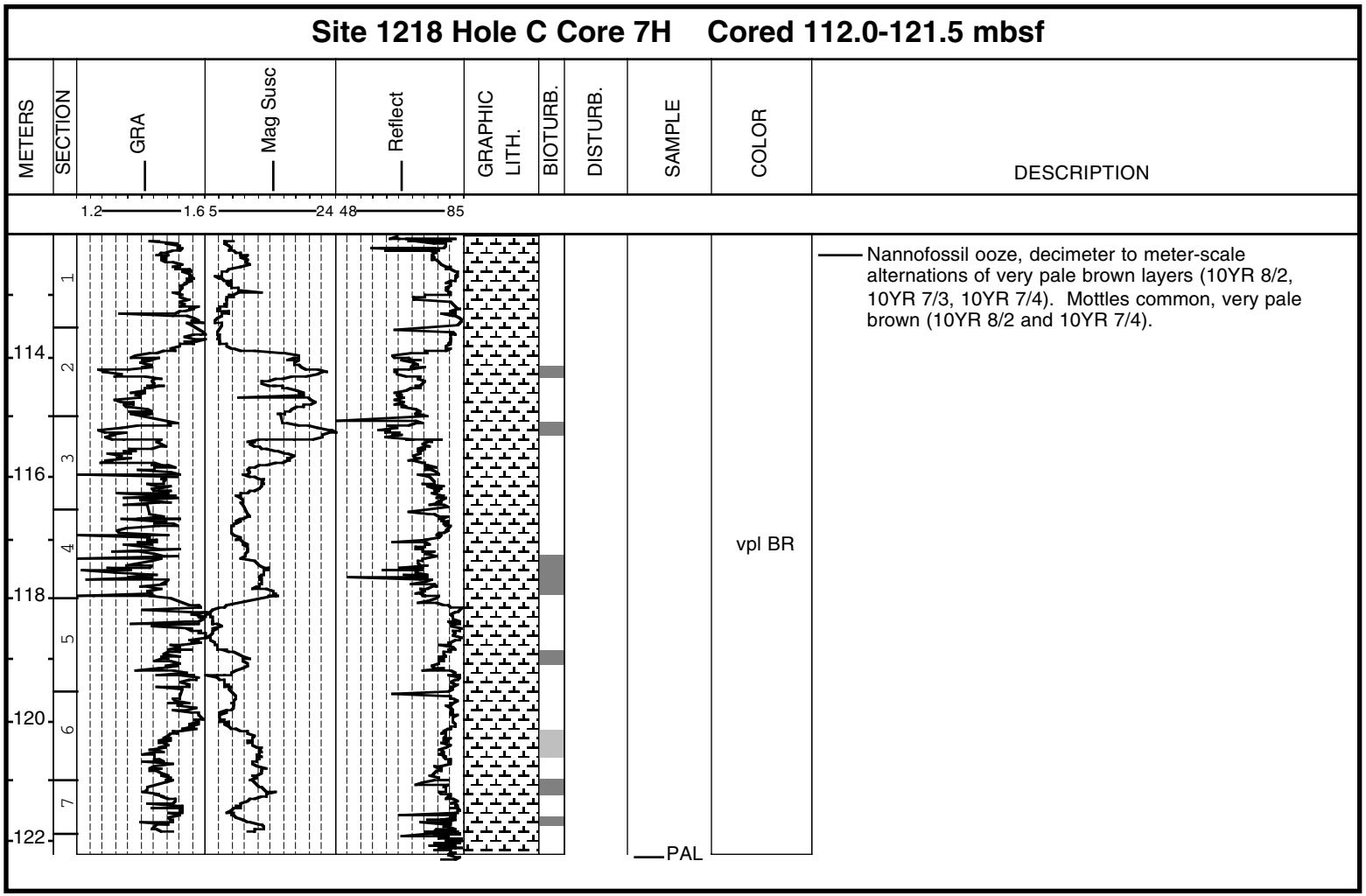
Core Photo


Site 1218 Hole C Core 5H Cored 93.0-102.5 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.2
1.7
6
21
37
78
94
96
98
100
102
1
2
3
4
5
6
7
PAL
lt GY
vpl BR
Section 1, 0-2 cm: Downhole debris.
Nannofossil ooze, light gray (10YR 7/2) to very pale brown (10YR 8/2). Mottles common, light brownish gray (10YR 6/2) and very pale brown (10YR 8/3).

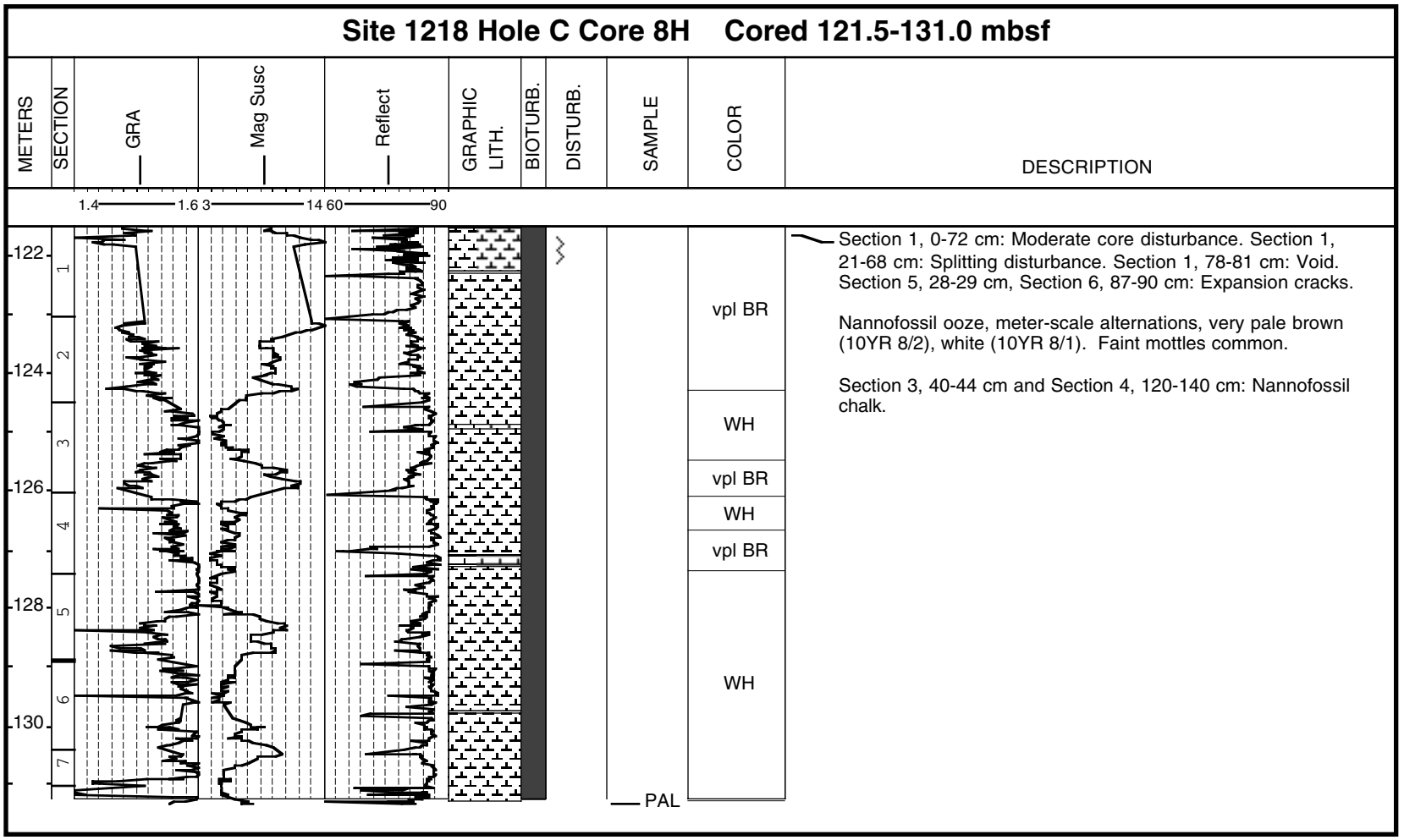
Core Photo


Site 1218 Hole C Core 6H Cored 102.5-112.0 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.3
1.6
4
21
60
85
104
106
108
110
112
1
2
3
4
5
6
7
PAL
lt GY
vpl BR
lt br GY
vpl BR
vpl BR
lt br GY
Section 1, 0-25 cm: Slightly soupy. Section 1, 71-73 cm: Void.
Section 7, 0-83 cm: Crushed liner.
Nannofossil ooze, decimeter to meter-scale alternations of light gray (10YR 7/2), very pale brown (10YR 8/2), light brownish gray (10YR 6/2), gradational contacts. Mottles common to abundant.

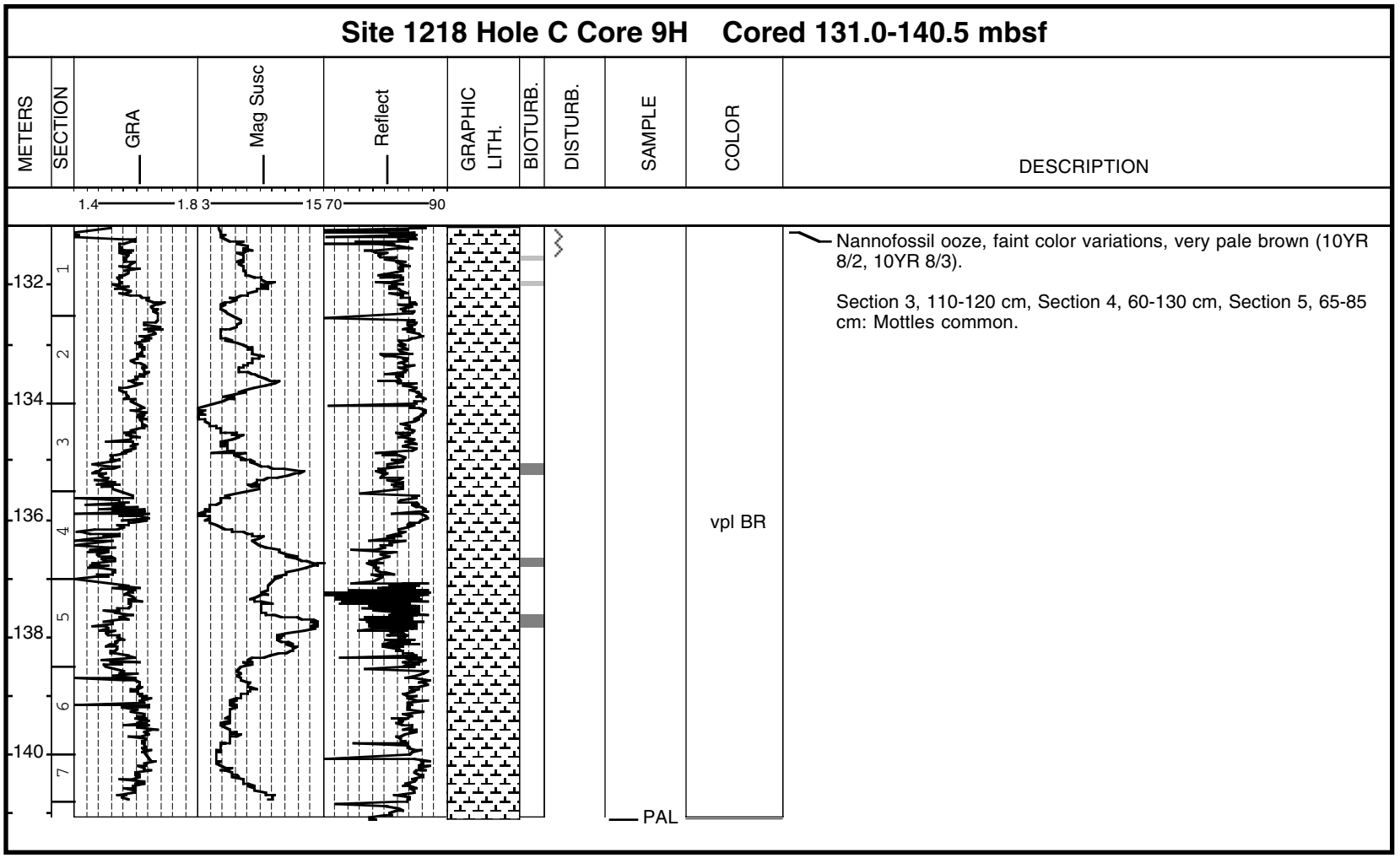
Core Photo


Site 1218 Hole C Core 7H Cored 112.0-121.5 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.2
1.6
5
24
48
85
114
116
118
120
122
1
2
3
4
5
6
7
Nannofossil ooze, decimeter to meter-scale alternations of very pale brown layers (10YR 8/2, 10YR 7/3, 10YR 7/4). Mottles common, very pale brown (10YR 8/2 and 10YR 7/4).
vpl BR
PAL

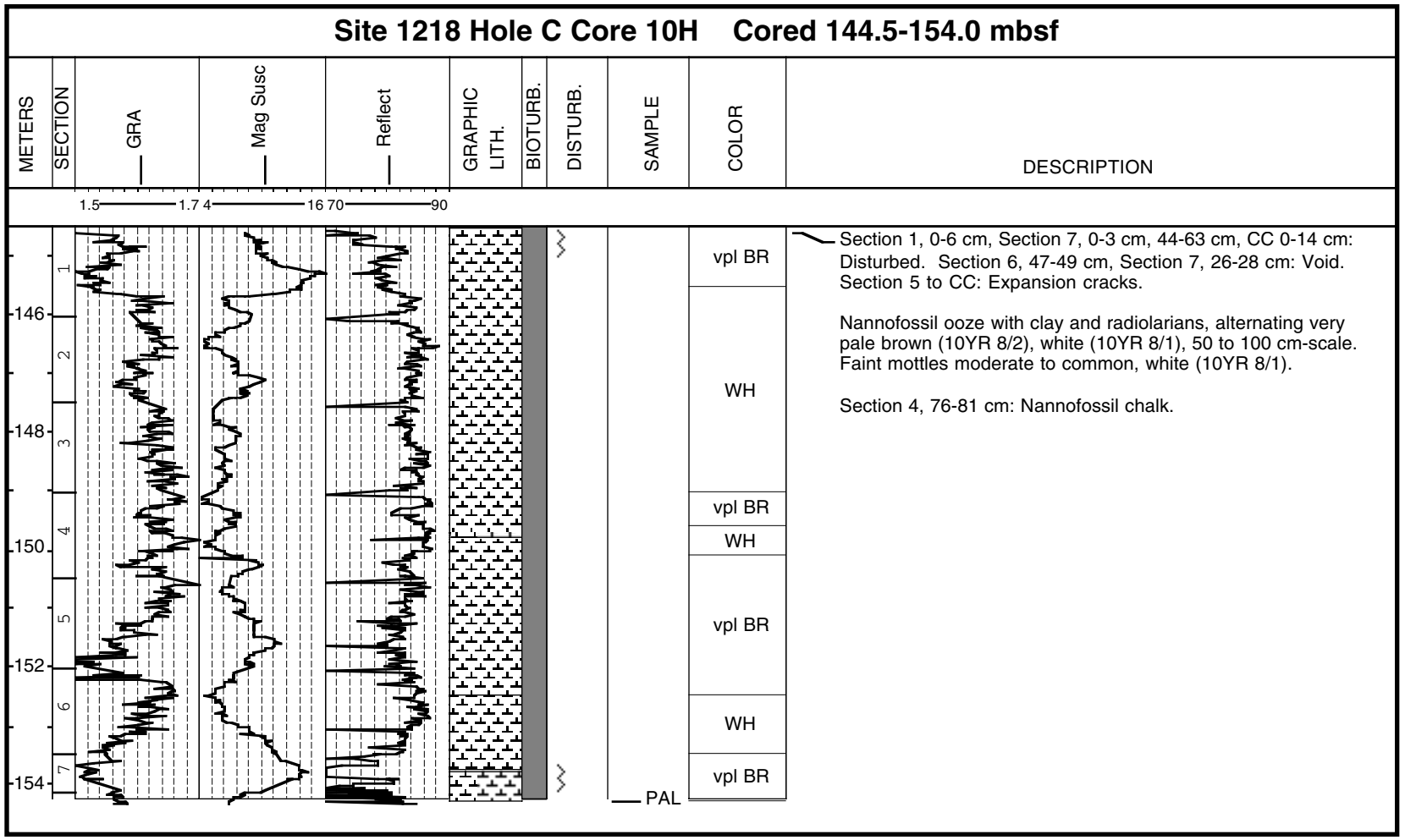
Core Photo


Site 1218 Hole C Core 8H Cored 121.5-131.0 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.4
1.6
3
14
60
90
122
124
126
128
130
1
2
3
4
5
6
7
vpl BR
WH
vpl BR
WH
vpl BR
WH
PAL
Section 1, 0-72 cm: Moderate core disturbance. Section 1, 21-68 cm: Splitting disturbance. Section 1, 78-81 cm: Void. Section 5, 28-29 cm, Section 6, 87-90 cm: Expansion cracks.
Nannofossil ooze, meter-scale alternations, very pale brown (10YR 8/2), white (10YR 8/1). Faint mottles common.
Section 3, 40-44 cm and Section 4, 120-140 cm: Nannofossil chalk.

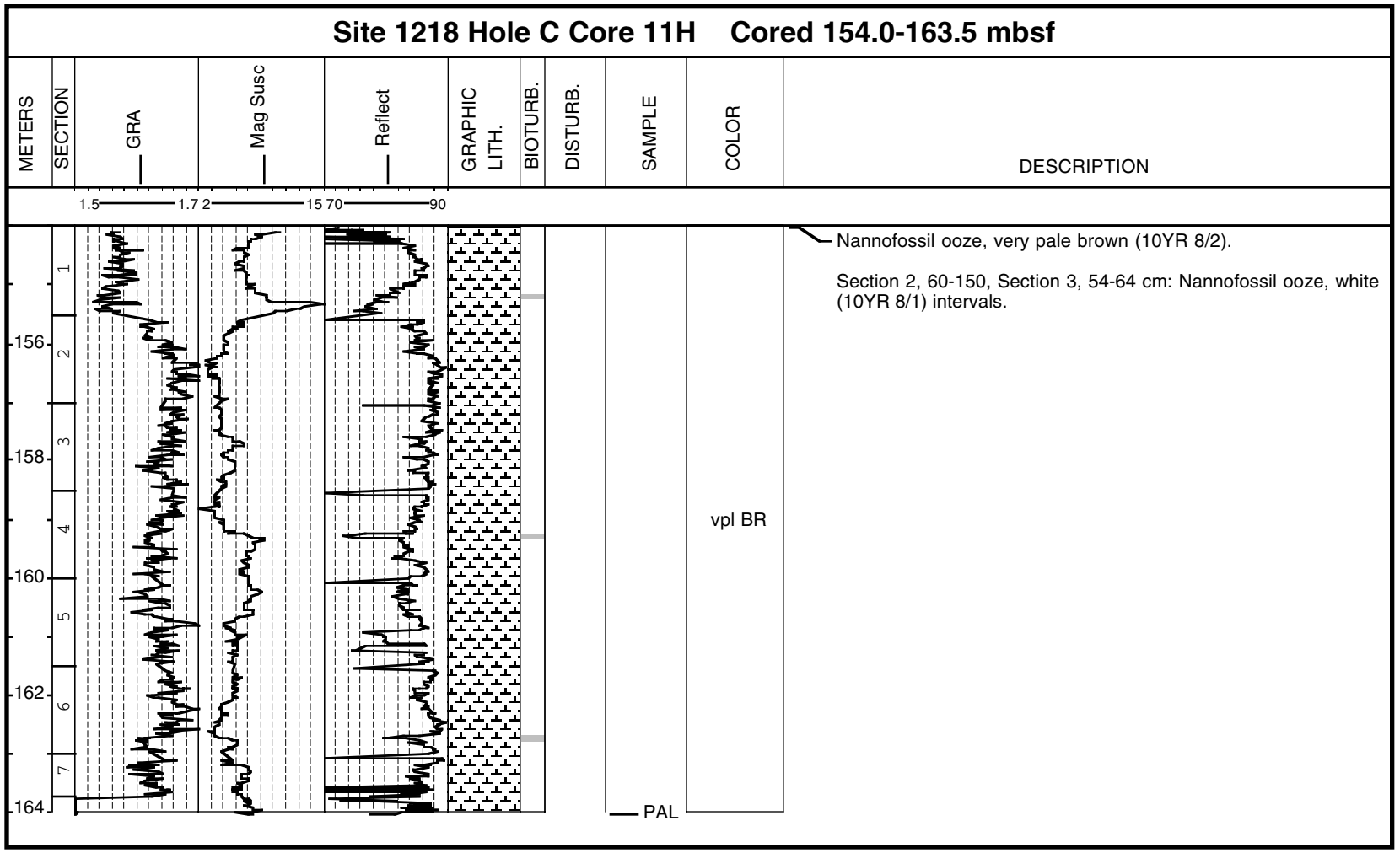
Core Photo


Site 1218 Hole C Core 9H Cored 131.0-140.5 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.4
1.8
3
15
70
90
132
134
136
138
140
1
2
3
4
5
6
7
vpl BR
PAL
Nannofossil ooze, faint color variations, very pale brown (10YR 8/2, 10YR 8/3).
Section 3, 110-120 cm, Section 4, 60-130 cm, Section 5, 65-85 cm: Mottles common.

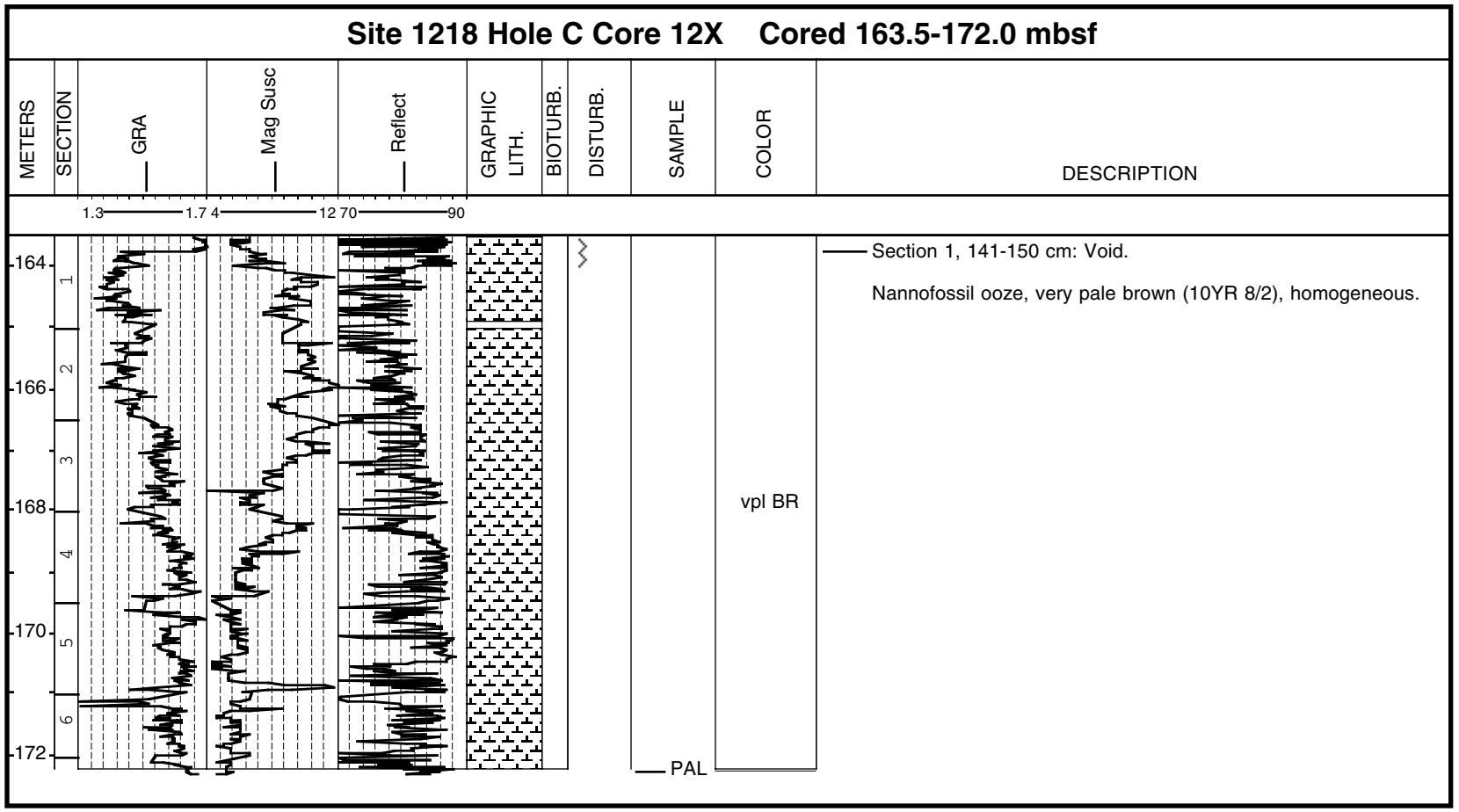
Core Photo


Site 1218 Hole C Core 10H Cored 144.5-154.0 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.5
1.7 4
16 70
90
146
148
150
152
154
1
2
3
4
5
6
7
PAL
vpl BR
WH
vpl BR
WH
vpl BR
WH
vpl BR
Section 1, 0-6 cm, Section 7, 0-3 cm, 44-63 cm, CC 0-14 cm: Disturbed. Section 6, 47-49 cm, Section 7, 26-28 cm: Void. Section 5 to CC: Expansion cracks.
Nannofossil ooze with clay and radiolarians, alternating very pale brown (10YR 8/2), white (10YR 8/1), 50 to 100 cm-scale. Faint mottles moderate to common, white (10YR 8/1).
Section 4, 76-81 cm: Nannofossil chalk.

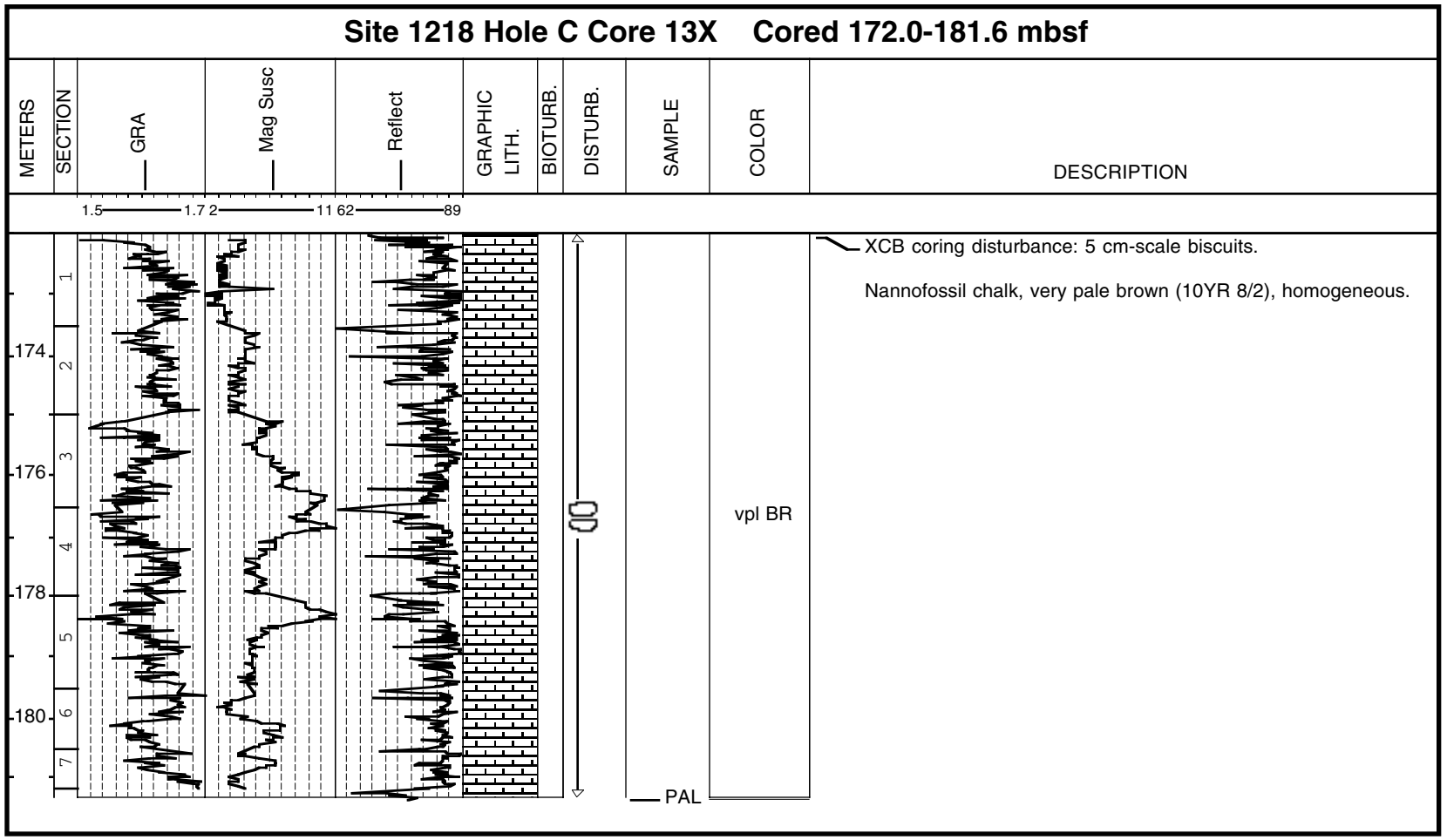
Core Photo


Site 1218 Hole C Core 11H Cored 154.0-163.5 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.5
1.7
2
15
70
90
156
158
160
162
164
1
2
3
4
5
6
7
PAL
vpl BR
Nannofossil ooze, very pale brown (10YR 8/2).
Section 2, 60-150, Section 3, 54-64 cm: Nannofossil ooze, white (10YR 8/1) intervals.

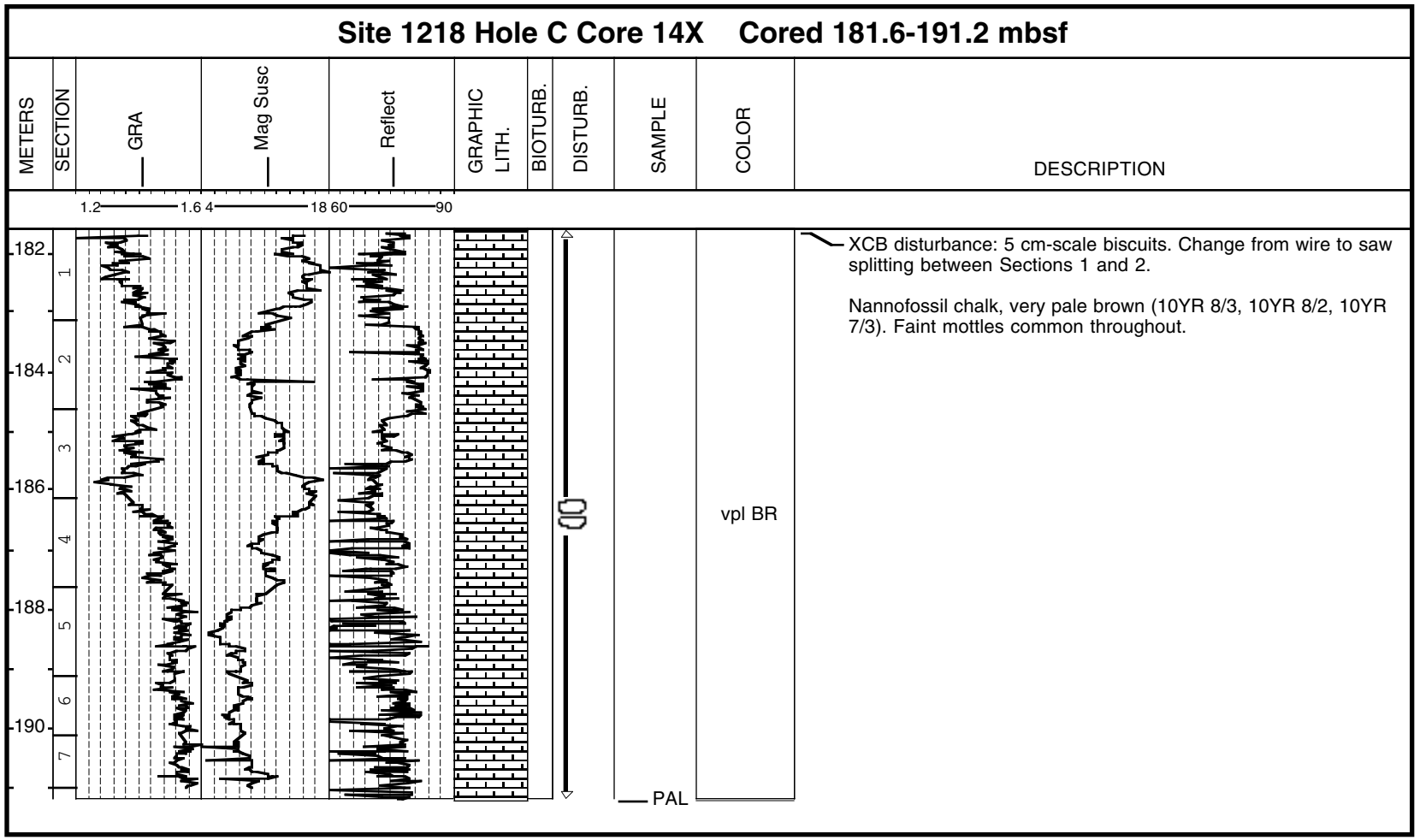
Core Photo


Site 1218 Hole C Core 12X Cored 163.5-172.0 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.3
1.7
4
12
70
90
164
166
168
170
172
1
2
3
4
5
6
vpl BR
PAL
Section 1, 141-150 cm: Void.
Nannofossil ooze, very pale brown (10YR 8/2), homogeneous.

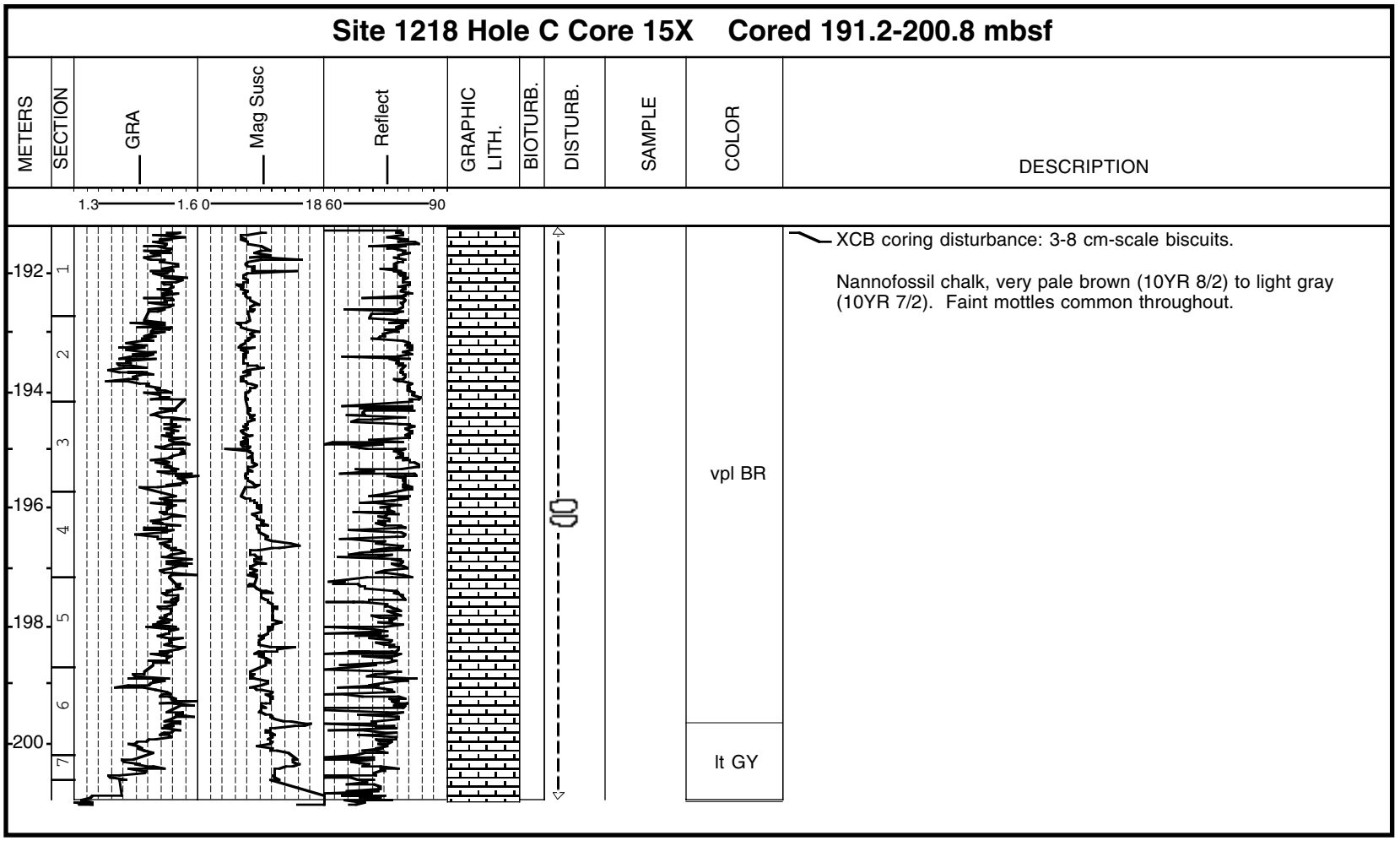
Core Photo


Site 1218 Hole C Core 13X Cored 172.0-181.6 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.5
1.7 2
11 62
89
174
176
178
180
1
2
3
4
5
6
7
vpl BR
PAL
XCB coring disturbance: 5 cm-scale biscuits.
Nannofossil chalk, very pale brown (10YR 8/2), homogeneous.

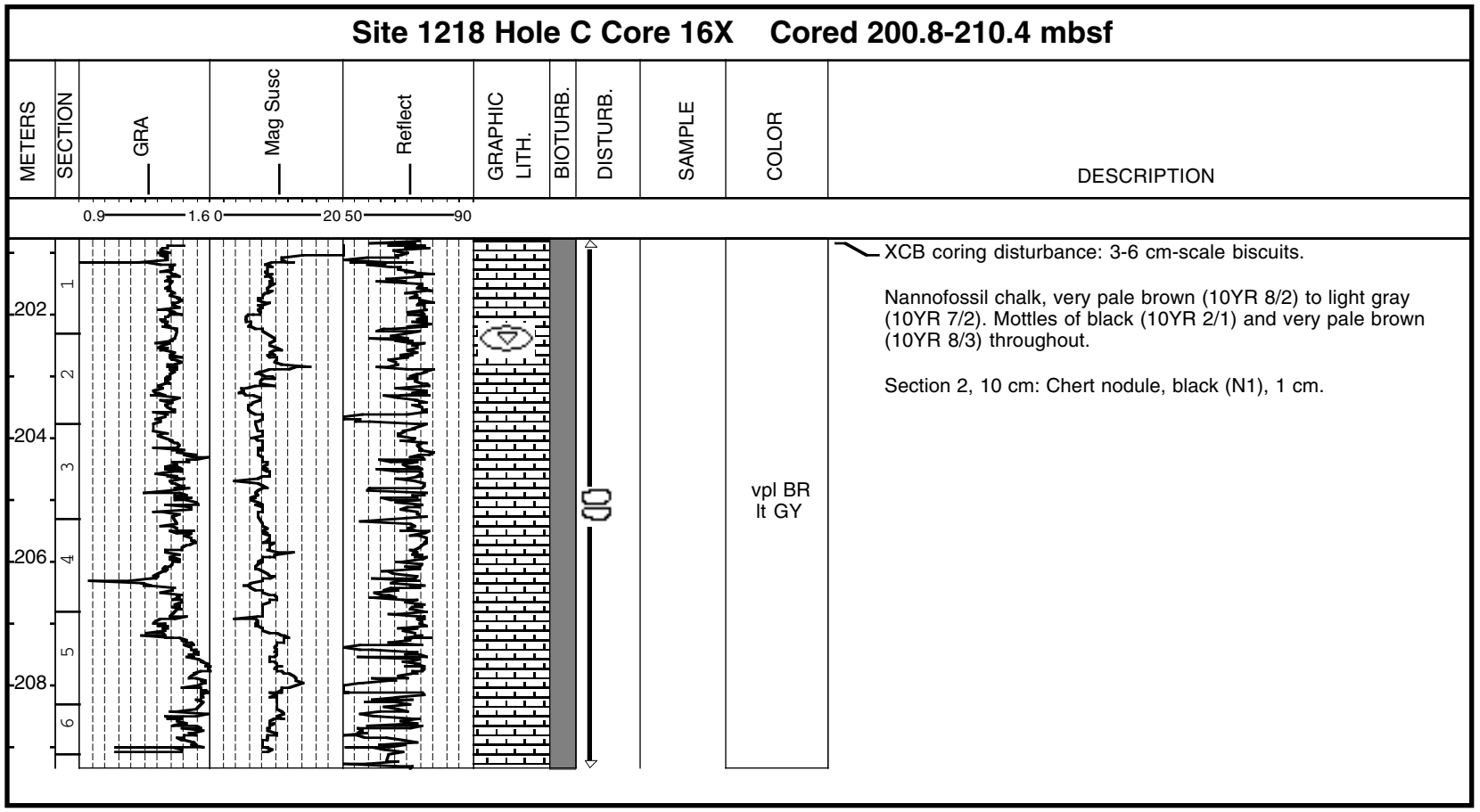
Core Photo


Site 1218 Hole C Core 14X Cored 181.6-191.2 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.2
1.6
4
18
60
90
182
184
186
188
190
1
2
3
4
5
6
7
vpl BR
PAL
XCB disturbance: 5 cm-scale biscuits. Change from wire to saw splitting between Sections 1 and 2.
Nannofossil chalk, very pale brown (10YR 8/3, 10YR 8/2, 10YR 7/3). Faint mottles common throughout.

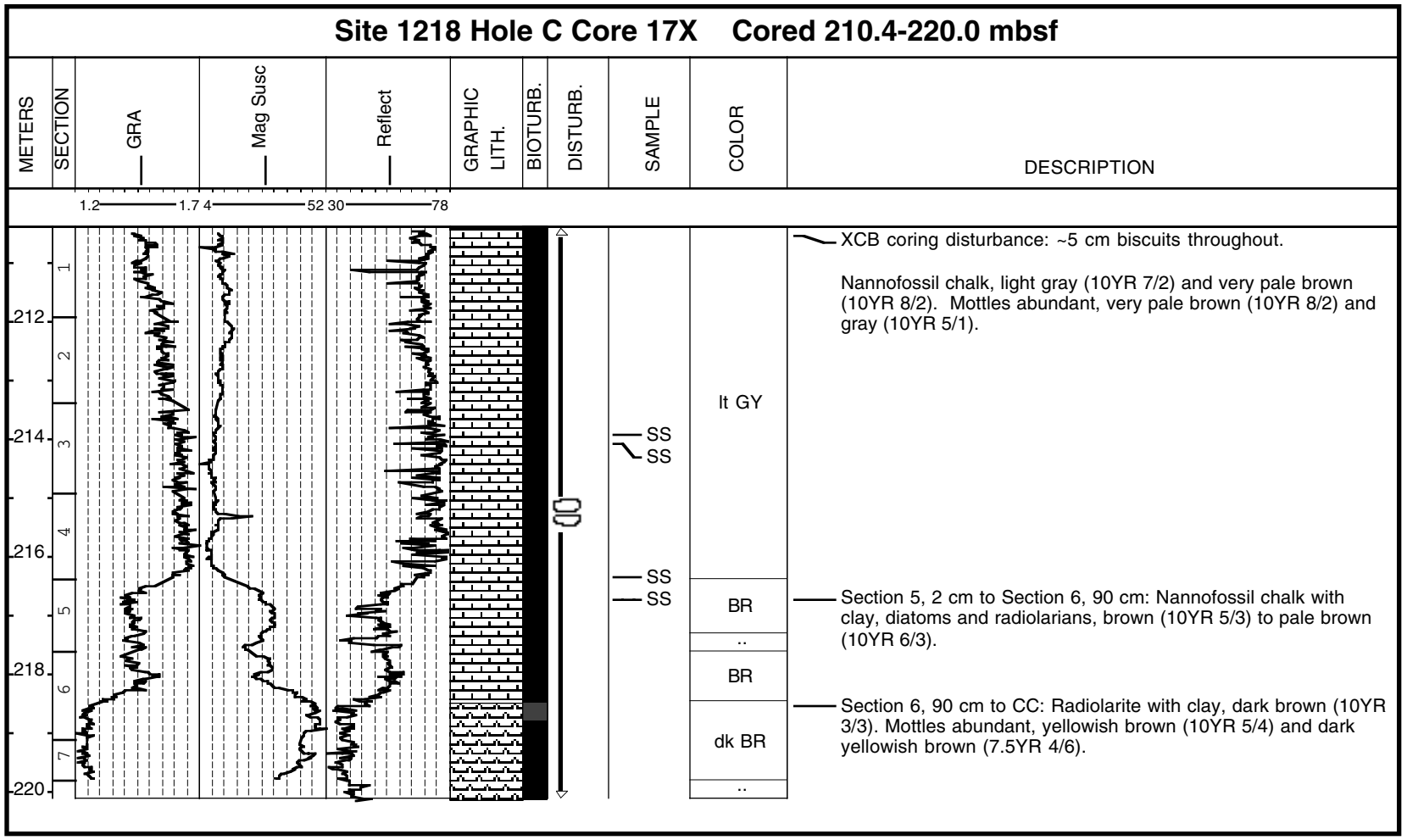
Core Photo


Site 1218 Hole C Core 15X Cored 191.2-200.8 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.3
1.6
0
18
60
90
192
194
196
198
200
1
2
3
4
5
6
7
vpl BR
lt GY
XCB coring disturbance: 3-8 cm-scale biscuits.
Nannofossil chalk, very pale brown (10YR 8/2) to light gray (10YR 7/2). Faint mottles common throughout.

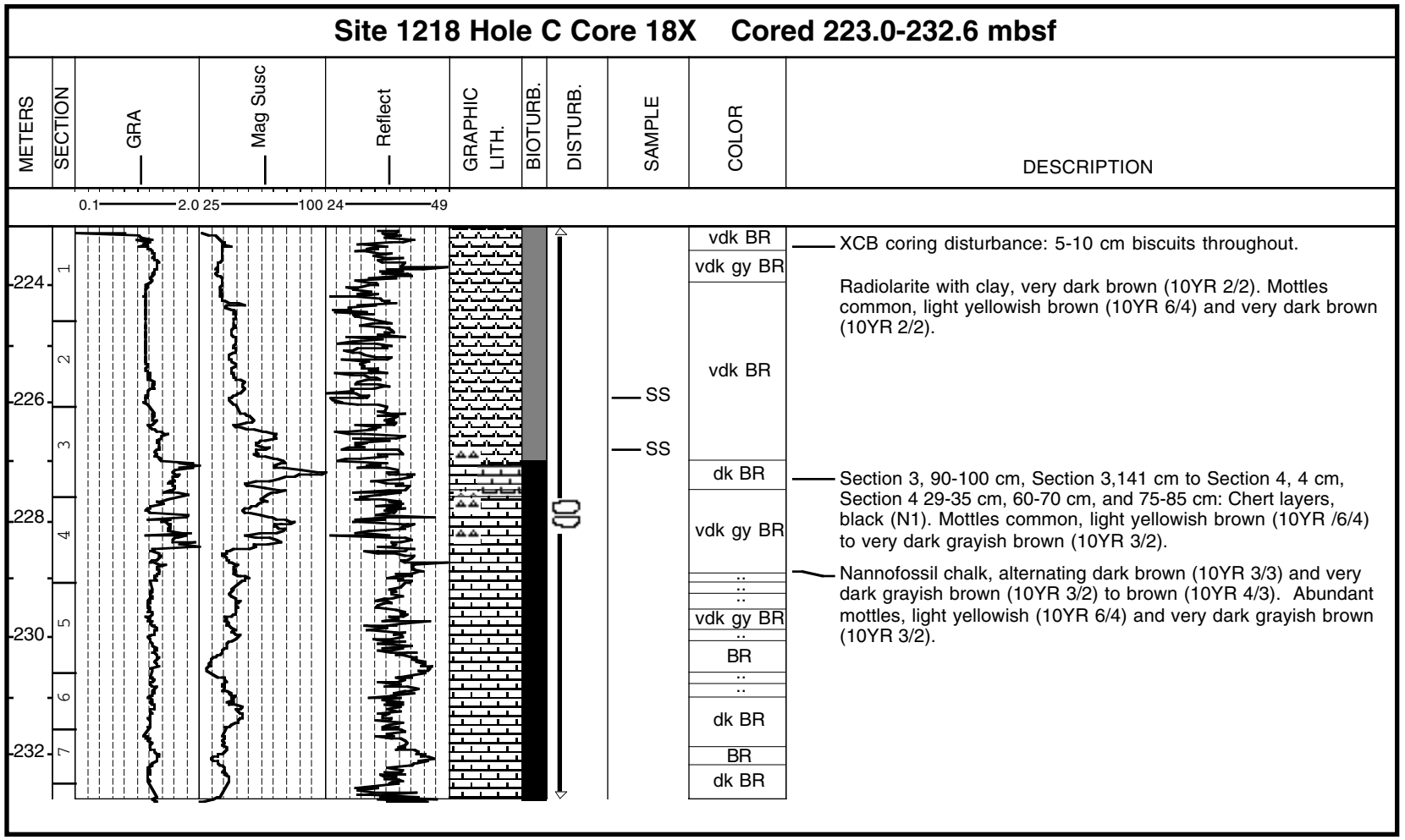
Core Photo


Site 1218 Hole C Core 16X Cored 200.8-210.4 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
0.9
1.6
0
20
50
90
202
204
206
208
1
2
3
4
5
6
vpl BR
lt GY
XCB coring disturbance: 3-6 cm-scale biscuits.
Nannofossil chalk, very pale brown (10YR 8/2) to light gray (10YR 7/2). Mottles of black (10YR 2/1) and very pale brown (10YR 8/3) throughout.
Section 2, 10 cm: Chert nodule, black (N1), 1 cm.

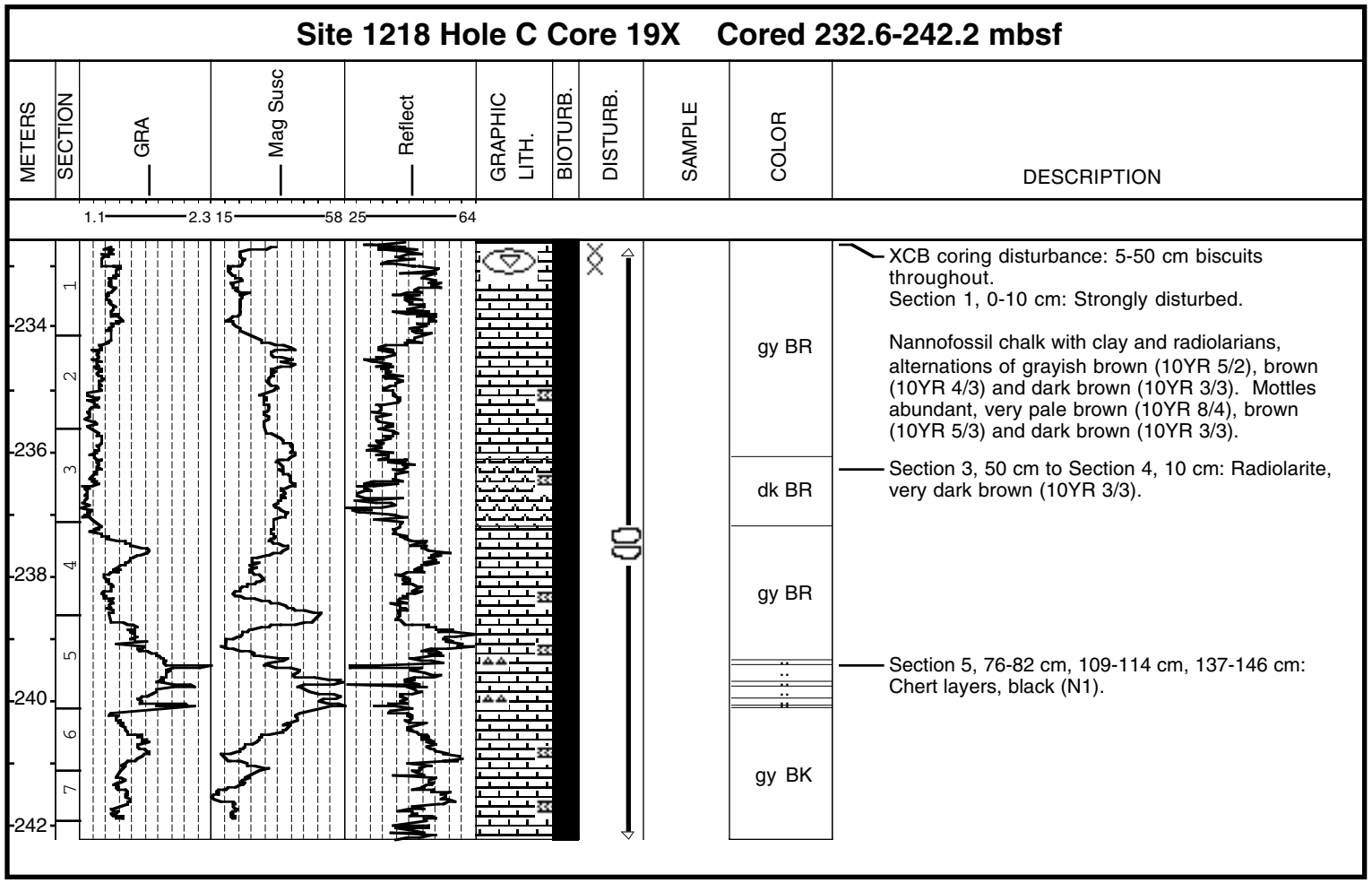
Core Photo


Site 1218 Hole C Core 17X Cored 210.4-220.0 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.2
1.7 4
52 30
78
212
214
216
218
220
1
2
3
4
5
6
7
SS
SS
SS
SS
lt GY
BR
..
BR
dk BR
..
XCB coring disturbance: ~5 cm biscuits throughout.
Nannofossil chalk, light gray (10YR 7/2) and very pale brown (10YR 8/2). Mottles abundant, very pale brown (10YR 8/2) and gray (10YR 5/1).
Section 5, 2 cm to Section 6, 90 cm: Nannofossil chalk with clay, diatoms and radiolarians, brown (10YR 5/3) to pale brown (10YR 6/3).
Section 6, 90 cm to CC: Radiolarite with clay, dark brown (10YR 3/3). Mottles abundant, yellowish brown (10YR 5/4) and dark yellowish brown (7.5YR 4/6).

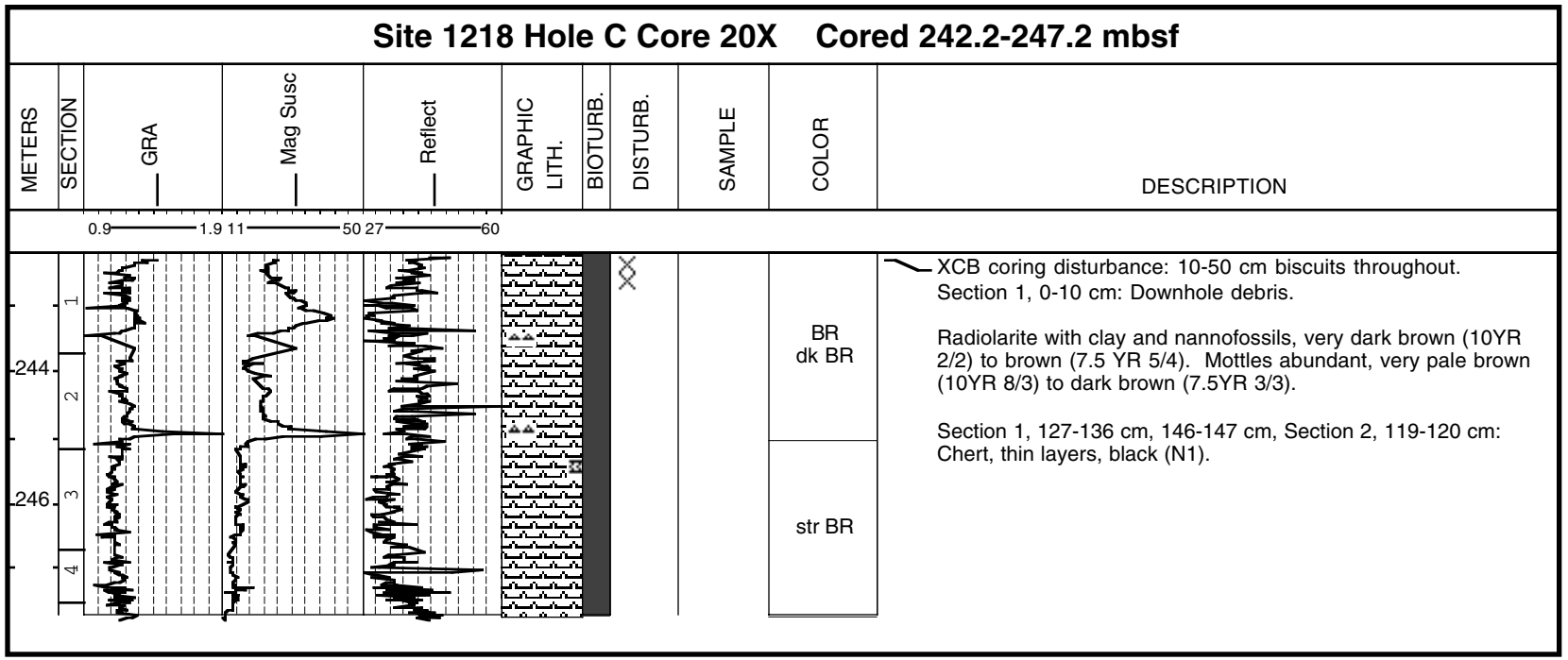
Core Photo


Site 1218 Hole C Core 18X Cored 223.0-232.6 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
0.1
2.0
25
100
24
49
224
226
228
230
232
1
2
3
4
5
6
7
SS
SS
vdk BR
vdk gy BR
vdk BR
dk BR
vdk gy BR
vdk gy BR
BR
dk BR
BR
dk BR
XCB coring disturbance: 5-10 cm biscuits throughout.
Radiolarite with clay, very dark brown (10YR 2/2). Mottles common, light yellowish brown (10YR 6/4) and very dark brown (10YR 2/2).
Section 3, 90-100 cm, Section 3,141 cm to Section 4, 4 cm, Section 4 29-35 cm, 60-70 cm, and 75-85 cm: Chert layers, black (N1). Mottles common, light yellowish brown (10YR /6/4) to very dark grayish brown (10YR 3/2).
Nannofossil chalk, alternating dark brown (10YR 3/3) and very dark grayish brown (10YR 3/2) to brown (10YR 4/3). Abundant mottles, light yellowish (10YR 6/4) and very dark grayish brown (10YR 3/2).

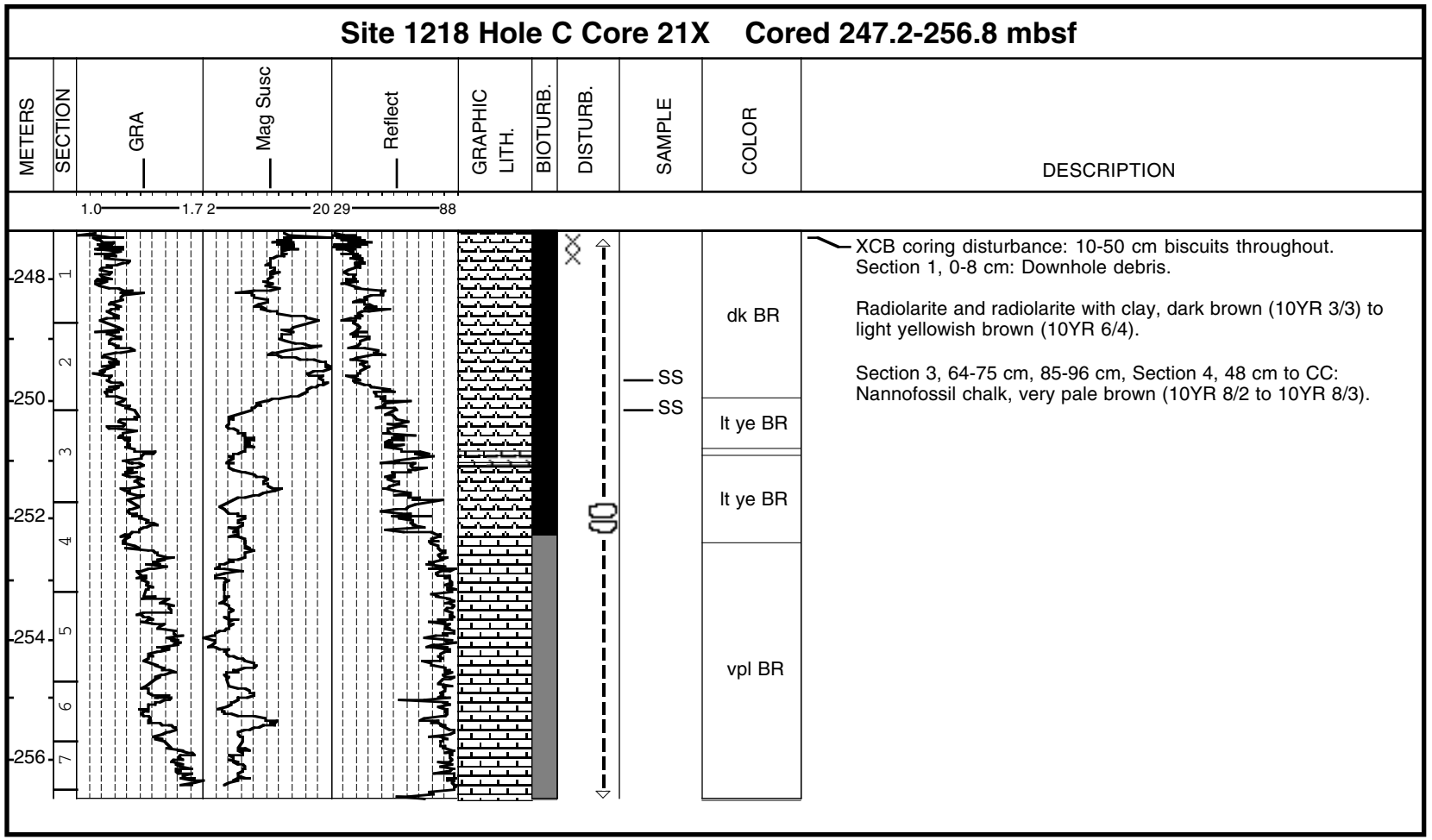
Core Photo


Site 1218 Hole C Core 19X Cored 232.6-242.2 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.1
2.3
15
58
25
64
234
236
238
240
242
1
2
3
4
5
6
7
gy BR
dk BR
gy BR
gy BK
XCB coring disturbance: 5-50 cm biscuits throughout.
Section 1, 0-10 cm: Strongly disturbed.
Nannofossil chalk with clay and radiolarians, alternations of grayish brown (10YR 5/2), brown (10YR 4/3) and dark brown (10YR 3/3). Mottles abundant, very pale brown (10YR 8/4), brown (10YR 5/3) and dark brown (10YR 3/3).
Section 3, 50 cm to Section 4, 10 cm: Radiolarite, very dark brown (10YR 3/3).
Section 5, 76-82 cm, 109-114 cm, 137-146 cm: Chert layers, black (N1).

Core Photo


Site 1218 Hole C Core 20X Cored 242.2-247.2 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
0.9
1.9
11
50
27
60
244
246
1
2
3
4
BR
dk BR
str BR
XCB coring disturbance: 10-50 cm biscuits throughout.
Section 1, 0-10 cm: Downhole debris.
Radiolarite with clay and nannofossils, very dark brown (10YR 2/2) to brown (7.5 YR 5/4). Mottles abundant, very pale brown (10YR 8/3) to dark brown (7.5YR 3/3).
Section 1, 127-136 cm, 146-147 cm, Section 2, 119-120 cm: Chert, thin layers, black (N1).

Core Photo


Site 1218 Hole C Core 21X Cored 247.2-256.8 mbsf
METERS
SECTION
GRA
Mag Susc
Reflect
GRAPHIC LITH.
BIOTURB.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1.0
1.7 2
20 29
88
248
250
252
254
256
1
2
3
4
5
6
7
SS
SS
dk BR
lt ye BR
lt ye BR
vpl BR
XCB coring disturbance: 10-50 cm biscuits throughout.
Section 1, 0-8 cm: Downhole debris.
Radiolarite and radiolarite with clay, dark brown (10YR 3/3) to light yellowish brown (10YR 6/4).
Section 3, 64-75 cm, 85-96 cm, Section 4, 48 cm to CC:
Nannofossil chalk, very pale brown (10YR 8/2 to 10YR 8/3).

Sample									Texture			Mineral												Biogenic												
Leg	Site	Hole	Core	Core Type	Section	Top Interval (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Aragonite (15)	Aragonite tiny needles (237)	Calcite (30)	Clay Mineral (47)	Dolomite (62)	Fe Oxide (68)	Feldspar (71)	Opaques (140)	Pyrite (169)	Quartz (172)	Volcanic Glass (81)	Zeolite (222)	Coccolith (51)	Diatoms (58)	Discoaster (61)	Fish Remains (74)	Foraminifers (78)	Nannofossils (132)	Planktonic Forams (160)	Radiolarians (173)	Siliceous Sponge Spicules (185)	Silicoflagellates (189)	Sponge Spicules (199)	Comments
Hole A																																				
199	1218	A	1	H	1	80	0.80	D			100				60		5	*							5						30		*		Radiolarian clay
199	1218	A	1	H	2	85	2.35	D			100				73		2						2		3						20		*	*	Clay with radiolarians
199	1218	A	1	H	2	100	2.50	D			100				85		3					2	3		2						5		*	*	Clay
199	1218	A	1	H	2	119	2.69	M			100				77		5		5			*	*		3						10		*	*	Clay with radiolarians
199	1218	A	1	H	6	1	7.51	M			100				70		5		15				5								5			*	Clay with opaque minerals
199	1218	A	1	H	6	15	7.65	D			100				83		5					*	2		*						10			*	Clay with radiolarians
199	1218	A	1	H	6	19	7.69	M			100				70		5		10			2	5		2						3			3	Clay with opaque minerals
199	1218	A	2	H	2	95	10.65	D			100				70							*	*	*	1	*			*		29		*	*	Radiolarian clay
199	1218	A	2	H	4	80	13.50	D			100				75		5		5			*	10								3			2	Clay with zeolites
199	1218	A	2	H	5	95	15.15	D			100				85				5			*	10								*				Clay with zeolites
199	1218	A	2	H	CC	0	17.86	D			100				65		10		2				2								20		*	1	Clay with radiolarians and Fe-oxides
199	1218	A	3	H	1	85	18.55	D			100				77		3		5				10								5			*	Clay with zeolites
199	1218	A	3	H	1	93	18.63	D			100				74		5		5				10		*						5			1	Clay with zeolites
199	1218	A	3	H	3	80	21.50	M			100				81		5				1		10								3			*	Clay with zeolites
199	1218	A	3	H	3	100	21.70	D			100				78		5		5			2	5		*						5				Clay
199	1218	A	3	H	6	77	25.97	D			100				72		5		5				3								15				Clay with radiolarians
199	1218	A	3	H	6	136	26.56	D			100				70		3		1			*	10								15			1	Clay with radiolarians and zeolites
199	1218	A	3	H	7	5	26.75	D			100				75							5	5								15				Clay with radiolarians
199	1218	A	3	H	7	58	27.28	D			100				80		2		3			2	3								10				Clay with radiolarians
199	1218	A	3	H	CC	13	27.67	D			100				59		3						3								35				Radiolarian clay
199	1218	A	4	H	1	20	27.40	D			100				65				5			*	5								25			*	Clay with radiolarians
199	1218	A	4	H	1	36	27.56	D			100				74		1						5		*						20				Clay with radiolarians
199	1218	A	4	H	1	131	28.51	D			100				68		5		5			*	2								20				Clay with radiolarians
199	1218	A	4	H	3	53	30.73	D			100				77		10		5				5								3				Clay with Fe-oxides
199	1218	A	4	H	5	120	34.40	D			100				73		5		5			1			1						15			*	Clay with radiolarians
199	1218	A	4	H	6	130	36.00	D			100				15		5												55		25				Nannofossil ooze with radiolarians and clay
199	1218	A	4	H	CC	130		D			100				25		10		5										45		15				Clayey nannofossil ooze with radiolarians
199	1218	A	5	H	1	105	37.75	D			100				80		5												*		15				Clay with radiolarians
199	1218	A	5	H	1	140	38.10	M			100				55		5												20		20				Clay with nannofossils and radiolarians
199	1218	A	5	H	4	80	42.00	D			100				70		5		10										*		15				Clay with radiolarians and opaque minerals
199	1218	A	5	H	5	15	42.85	D			100				80				4												15			1	Clay with radiolarians
199	1218	A	5	H	5	90	43.60	D			100				20		4												70	1	5				Nannofossil ooze with clay
199	1218	A	5	H	6	23	44.43	D			100				15		1												64		20				Nannofossil ooze with radiolarians and clay
199	1218	A	5	H	7	40	46.10	D			100				10		5		5										70	*	10				Nannofossil ooze with radiolarians and clay
199	1218	A	5	H	CC	0	46.16	D			100				50		5												30		15				Nannofossil clay with radiolarians
199	1218	A	6	H	1	72	46.92	D			100				63				5										2		30				Radiolarian clay
199	1218	A	6	H	4	130	52.00	D			100				20									1		5					70		3	1	Radiolarian ooze with clay

Sample									Texture			Mineral												Biogenic											
Leg	Site	Hole	Core	Core Type	Section	Top Interval (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Aragonite (15)	Aragonite tiny needles (237)	Calcite (30)	Clay Mineral (47)	Dolomite (62)	Fe Oxide (68)	Feldspar (71)	Opaques (140)	Pyrite (169)	Quartz (172)	Volcanic Glass (81)	Zeolite (222)	Coccolith (51)	Diatoms (58)	Discoaster (61)	Fish Remains (74)	Foraminifers (78)	Nannofossils (132)	Planktonic Forams (160)	Radiolarians (173)	Siliceous Sponge Spicules (185)	Silicoflagellates (189)	Sponge Spicules (199)	Comments
Hole A (coninued)																																			
199	1218	A	6	H	4	145	52.15	D			100				20				10										50		20				Nannofossil ooze with clay, radiolarians, and opaque minerals
199	1218	A	6	H	5	52	52.72	D			100				15				10										60		15				Nannofossil ooze with clay, radiolarians, and opaque minerals
199	1218	A	6	H	5	143	53.63	D			100				10				5										70		15				Nannofossil ooze with radiolarians and clay
199	1218	A	6	H	6	79	54.49	D			100				15				5										60		20				Nannofossil ooze with radiolarians and clay
199	1218	A	6	H	7	6	54.76	D			100				10				5										75		10				Nannofossil ooze with radiolarians and clay
199	1218	A	6	H	7	54	55.24	D			100				10				3										82		5			*	Nannofossil ooze with clay
199	1218	A	6	H	CC	0	55.32	D			100				5		5							47		20					20			3	Radiolarian nannofossil ooze
199	1218	A	7	H	1	4	55.74	D			100				40		9		5			1		20	*	15					10				Nannofossil clay with radiolarians
199	1218	A	7	H	2	80	58.00	D			100				5		*					*		70		20		*			5				Nannofossil ooze
199	1218	A	7	H	4	80	61.00	D			100				10		5							55		20		*			10				Nannofossil ooze with radiolarians and clay
199	1218	A	7	H	5	46	62.16	M			100			*	5		*							70		20		2			3			*	Nannofossil ooze
199	1218	A	7	H	6	20	63.40	D			100				30		5							25	*	10		*			30				Clayey radiolarian nannofossil ooze
199	1218	A	7	H	CC	0	65.51	D			100				*				*										85		15				Nannofossil ooze with radiolarians
199	1218	A	8	H	2	15	66.85	D			100				15		5							40	3	30					7			*	Nannofossil ooze with clay
199	1218	A	8	H	3	55	68.75	D			100				8		3							50	1	35					3		*	*	Nannofossil ooze
199	1218	A	8	H	4	87	70.57	D			100				10		7							40	2	35		*			6			*	Nannofossil ooze with clay
199	1218	A	8	H	6	16	72.86	M			100						10					10		55		20					5				Nannofossil ooze with Fe-oxide and volcanic glass
199	1218	A	9	H	2	74	76.94	D			100													80		10					10			*	Nannofossil ooze with radiolarians
199	1218	A	9	H	3	75	78.45	D			100				5		10							60	5						15		5		Nannofossil ooze with radiolarians and Fe-oxide
199	1218	A	9	H	4	34	79.54	M			100		10		5		*							70		5					10			*	Nannofossil ooze with radiolarians and aragonite needles
199	1218	A	9	H	4	35	79.55	M			100		10		10		1							45	3	25					6			*	Nannofossil ooze with radiolarians and aragonite
199	1218	A	9	H	6	80	83.00	D			100		10		15		5							30		30					5			5	Nannofossil ooze with clay and aragonite needles
199	1218	A	10	H	3	64	87.84	M			100		10		15		*							50		10					15			*	Nannofossil ooze with clay, radiolarians, and aragonite(?)
199	1218	A	10	H	4	40	89.10	D			100		3		15		*							60		15					7			*	Nannofossil ooze with clay
199	1218	A	10	H	5	114	91.34	D			100				8														85		5			2	Nannofossil ooze
199	1218	A	10	H	6	8	91.78	M			100	5																	90		3			2	Nannofossil ooze
199	1218	A	10	H	6	103	92.73	D			100				5		2			2									68		20			3	Nannofossil ooze with radiolarians
199	1218	A	10	H	7	34	93.54	M			100	5			12														61		20			2	Nannofossil ooze with radiolarians and clay

Sample									Texture			Mineral												Biogenic											
Leg	Site	Hole	Core	Core Type	Section	Top Interval (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Aragonite (15)	Aragonite tiny needles (237)	Calcite (30)	Clay Mineral (47)	Dolomite (62)	Fe Oxide (68)	Feldspar (71)	Opaques (140)	Pyrite (169)	Quartz (172)	Volcanic Glass (81)	Zeolite (222)	Coccolith (51)	Diatoms (58)	Discoaster (61)	Fish Remains (74)	Foraminifers (78)	Nannofossils (132)	Planktonic Forams (160)	Radiolarians (173)	Siliceous Sponge Spicules (185)	Silicoflagellates (189)	Sponge Spicules (199)	Comments
Hole A (coninued)																																			
199	1218	A	11	H	1	9	93.79	M			100		3	*	8				20					67							2				Nannofossil ooze with opaque minerals
199	1218	A	11	H	2	50	95.70	D			100		5		5				*					45	*	40		*			5			*	Nannofossil ooze
199	1218	A	11	H	6	41	101.61	M			100		3	3	5		1		1					55		30	*				2				Nannofossil ooze
199	1218	A	11	H	7	50	103.20	D			100		5	*	7		1		2					50		30					5				Nannofossil ooze
199	1218	A	12	H	1	47	103.67	D			100		3	5	5		*					*		67		15					5				Nannofossil ooze
199	1218	A	12	H	3	43	106.63	M			100				10		*							45		27					8			10	Nannofossil ooze with clay and sponge spicule
199	1218	A	12	H	4	40	108.10	D			100		8	3	5									46		30					8			*	Nannofossil ooze
199	1218	A	12	H	5	120	110.40	D			100		1	5	5									76	*	10					3			*	Nannofossil ooze
199	1218	A	12	H	6	115	111.85	M			100		*				45							45		10									Fe-oxide nannofossil ooze
199	1218	A	13	H	1	80	113.50	D			100						1							60		34					5				Nannofossil ooze
199	1218	A	13	H	4	100	118.20	D			100													60	1	36					3				Nannofossil ooze
199	1218	A	13	H	6	50	120.70	D			100											*		70	*	28					2				Nannofossil ooze
199	1218	A	14	H	1	99	123.19	D			100				5									50	1	29					15				Nannofossil ooze with radiolarians
199	1218	A	14	H	3	125	126.45	D			100				5									60		32					3				Nannofossil ooze
199	1218	A	15	H	1	90	132.60	D			100				5									60		29		1			5				Nannofossil ooze
199	1218	A	15	H	4	4	136.24	D			100				5									50		40					5				Nannofossil ooze
199	1218	A	15	H	CC	0	141.63	D			100								*					60		37					3				Nannofossil ooze
199	1218	A	16	H	1	97	142.17	D			100													60		39		1							Nannofossil ooze
199	1218	A	16	H	3	15	144.35	D			100													60	*	39		1						*	Nannofossil ooze
199	1218	A	17	H	3	18	153.88	D			100													60	*	32		3			5				Nannofossil ooze
199	1218	A	17	H	6	110	159.31	D			100																	*	98		2				Nannofossil ooze
199	1218	A	17	H	7	83	160.55	M			100											5			*			5	89		1				Nannofossil ooze with volcanic glass
199	1218	A	18	H	2	70	162.40	D			100				5							*		85	*	8		*			2				Nannofossil ooze
199	1218	A	18	H	4	70	165.40	D			100				6									82	1	8	*				3	*			Nannofossil ooze
199	1218	A	19	H	2	105	172.25	D			100				3									90	*	5					2	*			Nannofossil ooze
199	1218	A	19	H	5	24	175.94	D			100				3									91	*	5					1	*			Nannofossil ooze
199	1218	A	20	H	1	76	179.96	D			100				6				*					87	*	5					2	*			Nannofossil ooze
199	1218	A	20	H	3	99	183.19	D			100				8				*					87	1	2	*				2	*			Nannofossil ooze
199	1218	A	20	H	6	33	187.03	M			100				7				2					86	*	4					1	*	*		Nannofossil ooze
199	1218	A	22	X	5	24	202.14	D			100				5								10	55		5					20	5			Nannofossil chalk with radiolarians and zeolites
199	1218	A	23	X	1	74	206.24	D			100				15				2			3			25				50		5				Diatomaceous nannofossil chalk with clay
199	1218	A	23	X	2	76	207.76	D			100				10							*			50				35		5				Nannofossil diatomite with clay
199	1218	A	23	X	3	60	209.10	M			100				15				5						2				75		3				Nannofossil chalk with clay
199	1218	A	23	X	4	138	211.38	M			100				15							3			30				50		2				Diatomaceous nannofossil chalk with clay
199	1218	A	23	X	5	80	212.30	M			100				20	*												*	50		30				Clayey radiolarian nannofossil chalk
199	1218	A	23	X	5	114	212.64	D			100				10	*						*			5				82		3				Nannofossil chalk with clay
199	1218	A	23	X	7	28	214.78	M			100								5						1			*	89		5				Nannofossil chalk
199	1218	A	24	X	1	27	215.37	D			100				25				5			*			*			*	65		5				Clayey nannofossil chalk
199	1218	A	24	X	1	49	215.59	D			100				20				5						*				70		5				Nannofossil chalk with clay

Sample									Texture			Mineral												Biogenic											
Leg	Site	Hole	Core	Core Type	Section	Top Interval (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Aragonite (15)	Aragonite tiny needles (237)	Calcite (30)	Clay Mineral (47)	Dolomite (62)	Fe Oxide (68)	Feldspar (71)	Opaques (140)	Pyrite (169)	Quartz (172)	Volcanic Glass (81)	Zeolite (222)	Coccolith (51)	Diatoms (58)	Discoaster (61)	Fish Remains (74)	Foraminifers (78)	Nannofossils (132)	Planktonic Forams (160)	Radiolarians (173)	Siliceous Sponge Spicules (185)	Silicoflagellates (189)	Sponge Spicules (199)	Comments
Hole A (coninued)																																			
199	1218	A	24	X	1	81	215.91	D			100				15							*			5				75		5				Nannofossil chalk with clay
199	1218	A	24	X	2	37	216.55	D			100				15				3			*			*				72		10				Nannofossil chalk with clay and radiolarians
199	1218	A	24	X	2	60	216.78	D			100				20				5			1							54		20				Nannofossil chalk with clay and radiolarians
199	1218	A	24	X	2	76	216.94	D			100				25				5			*			*				15		55				Clayey radiolarite with nannofossils
199	1218	A	24	X	2	85	217.03	D			100				25				10						*				10		55				Clayey radiolarite with nannofossils and opaque minerals
199	1218	A	24	X	2	116	217.34	D			100				30				10			3							2		55				Clayey radiolarite with opaque minerals
199	1218	A	24	X	3	145	219.15	M			100				20										*				45		35				Radiolarian nannofossil chalk with clay
199	1218	A	24	X	4	35	219.55	D			100				30				5						10				20		35				Clayey nannofossil radiolarite with diatoms
199	1218	A	24	X	4	70	219.90	D			100				30				5						40				10		15				Clayey diatomite with radiolarians and nannofossils
199	1218	A	24	X	4	92	220.12	D			100				27				3						40			*	25		5				Clayey nannofossil diatomite
199	1218	A	24	X	4	120	220.40	D			100				20				10						30				5		35				Diatomaceous radiolarite with clay and opaque
199	1218	A	24	X	5	26	220.96	D			100				20				7										3		70				Radiolarite with clay and opaque minerals
199	1218	A	24	X	5	56	221.26	D			100				10				5										15		70				Radiolarite with clay and nannofossils
199	1218	A	24	X	6	148	223.68	D			100				25				*			*			*				*		75				Clayey radiolarite
199	1218	A	24	X	CC	0	224.60	D			100				39				5			1							15		40				Radiolarian claystone with nannofossils
199	1218	A	25	X	1	1	224.71	M			100				2										3				80		15	*			Nannofossil chalk with radiolarians
199	1218	A	25	X	1	100	225.70	M			100								5		86								9						Chert
199	1218	A	25	X	1	137	226.07	D			100				35		5		2										20		38				Clayey radiolarite with nannofossils
199	1218	A	25	X	2	45	226.65	M			100				50	*	15		3			2							30						Nannofossil claystone with iron-oxides
199	1218	A	25	X	3	79	228.49	D			100				38	*						*							20		40	2			Clayey radiolarite with nannofossils
199	1218	A	25	X	4	28	229.48	M			100				30				10												55	5			Clayey radiolarite with pyrite
199	1218	A	25	X	6	57	232.77	M			100				15		4		*		7	*			1		*	*	58		15	*			Nannofossil chalk with clay and radiolarians
199	1218	A	25	X	6	65	232.85	D			100				8		2					*			2			*	55		33				Radiolarian nannofossil chalk
199	1218	A	25	X	CC	0	234.05	D			100				25													*	40		35				Radiolarian nannofossil chalk with clay
199	1218	A	26	X	1	39	234.69	D			100				25				5										30		40				Clayey nannofossil radiolarite
199	1218	A	26	X	1	84	235.14	D			100				65				10			*							*		25				Radiolarian claystone with opaque minerals
199	1218	A	26	X	2	64	236.44	D			100				20				5										60		15				Nannofossil chalk with clay and radiolarians

Sample									Texture			Mineral												Biogenic												
Leg	Site	Hole	Core	Core Type	Section	Top Interval (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Aragonite (15)	Aragonite tiny needles (237)	Calcite (30)	Clay Mineral (47)	Dolomite (62)	Fe Oxide (68)	Feldspar (71)	Opaques (140)	Pyrite (169)	Quartz (172)	Volcanic Glass (81)	Zeolite (222)	Coccolith (51)	Diatoms (58)	Discoaster (61)	Fish Remains (74)	Foraminifers (78)	Nannofossils (132)	Planktonic Forams (160)	Radiolarians (173)	Siliceous Sponge Spicules (185)	Silicoflagellates (189)	Sponge Spicules (199)	Comments
Hole A (coninued)																																			
199	1218	A	26	X	2	108	236.88	D			100				20				10										40		30				Radiolarian nannofossil chalk with clay and opaque minerals
199	1218	A	26	X	3	29	237.59	D			100				20				10										30		40				Nannofossil radiolarite with clay and opaque minerals
199	1218	A	26	X	3	73	238.03	D			100				15				3			*							62		20				Nannofossil chalk with radiolarians and clay
199	1218	A	26	X	6	82	242.62	D			100				15				*						3				25		57				Nannofossil radiolarite with clay
199	1218	A	26	X	CC	0	243.82	D			100				30				5										15		50				Clayey radiolarite with nannofossils
199	1218	A	27	X	1	8	243.98	D			100				15				4						1				10		70				Radiolarite with clay and nannofossils
199	1218	A	27	X	1	70	244.60	D			100				20							*			1				35		44				Nannofossil radiolarite with clay
199	1218	A	27	X	3	86	247.76	D			100				15				*			*								85				Radiolarite with clay
199	1218	A	27	X	5	25	249.65	D			100				20				*						10					70				Radiolarite with clay and diatoms
199	1218	A	27	X	5	62	250.02	D			100				20				5						*				35		40				Nannofossil radiolarite with clay
199	1218	A	27	X	CC	4	250.15	D			100				20										15				35		30				Radiolarian nannofossil chalk with clay and diatoms
199	1218	A	28	X	3	14	256.64	D			100				30									35		2					30	3	*		Clayey radiolarian nannofossil chalk
199	1218	A	28	X	3	105	257.55	M			100				20									38	5		*			*	30	5	2		Radiolarian nannofossil chalk with clay
199	1218	A	28	X	4	62	258.62	M			100													40	10					*	45	5			Nannofossil radiolarian chalk with diatoms
199	1218	A	28	X	6	26	261.26	M			100				15									45			*				35	5			Radiolarian nannofossil chalk with clay
199	1218	A	29	X	1	68	263.78	D			100				15									70				3			12	*			Nannofossil chalk with radiolarians and clay
199	1218	A	29	X	3	62	266.72	M			100				5	15													60		20				Nannofossil chalk with radiolarians and dolomite
199	1218	A	29	X	4	38	267.98	D			100				10	20	3											*	67						Nannofossil chalk with dolomite and clay
199	1218	A	30	X	1	28	270.98	M			100				15	15	10		2										58						Nannofossil chalk with dolomite, clay and Fe-oxide
199	1218	A	30	X	1	62	271.32	D			100			9	8	17	6											*	60						Nannofossil chalk with dolomite
199	1218	A	30	X	2	56	272.76	M			100			2	8	15	5											*	70		*				Nannofossil chalk with dolomite
199	1218	A	30	X	3	20	273.90	M			100			5	5	15	5												70		*				Nannofossil chalk with dolomite
199	1218	A	30	X	CC	17	274.20	D			100			5	5	20	5											*	65		*				Nannofossil chalk with dolomite

Sample									Texture			Mineral													Biogenic											
Leg	Site	Hole	Core	Core Type	Section	Top Interval (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Aragonite (15)	Aragonite tiny needles (237)	Calcite (30)	Carbonate (35)	Clay Mineral (47)	Dolomite (62)	Fe Oxide (68)	Feldspar (71)	Opaques (140)	Pyrite (169)	Quartz (172)	Volcanic Glass (81)	Zeolite (222)	Coccolith (51)	Diatoms (58)	Discoaster (61)	Fish Remains (74)	Foraminifers (78)	Nannofossils (132)	Planktonic Forams (160)	Radiolarians (173)	Siliceous Sponge Spicules (185)	Silicoflagellates (189)	Sponge Spicules (199)	Comments
Hole B																																			
199	1218	B	1	H	2	92	2.42	D			100					50										25						25				Diatom radiolarian clay
199	1218	B	1	H	3	49	3.49	D			100					60										20						20				Clay with radiolarians and diatoms
199	1218	B	2	H	6	54	11.94	D			100					75		10						5								10				Clay with radiolarians and iron-oxides
199	1218	B	3	H	2	108	15.98	D			100					45		20	1					25	3	*	*				*	6				Zeolitic clay with iron-oxides
199	1218	B	3	H	5	101	20.41	M			100					50		5		3				7		5						30		*	*	Radiolarian clay
199	1218	B	3	H	CC	0	23.16	D			100					60		5						10								25			*	Clay with radiolarians and zeolites
199	1218	B	4	H	3	27	26.17	M			100					60		2				*				3						35		*	*	Radiolarian clay
199	1218	B	4	H	3	100	26.90	D			100					35		25	*	2		*				8						30			*	Radiolarian clay with iron-oxide
199	1218	B	4	H	5	96	29.86	D			100					40		30	2				*	14	1	*	*	*			*	13				Fe-oxide clay with zeolites and radiolarian
199	1218	B	5	H	2	80	34.70	M			100					15	*	5												70		10				Nannofossil ooze with clay and radiolarians
199	1218	B	5	H	7	60	42.00	M			100					30		10								*				45		15	*			Clayey nannofossil ooze with Fe-oxides and radiolarians
199	1218	B	5	H	CC	0	42.23	D			100					19	3	10		1					30	*	30					7			*	Nannofossil ooze with clay and Fe-oxides
199	1218	B	6	H	CC	0	50.90	D			100					50		30		2		*			1	1	6	*				10		*	*	Fe-oxide clay with radiolarians
199	1218	B	7	H	1	78	52.18	D			100					15		5							20	*	40					20	*	*		Nannofossil ooze with radiolarians and clay
199	1218	B	7	H	4	45	56.30	D			100					5		*						*	50		40					5				Nannofossil ooze
199	1218	B	7	H	6	36	59.21	M			100		10			19		1							30	*	37					3				Nannofossil ooze with clay and aragonite
199	1218	B	7	H	7	26	60.61	D			100		5			15		9						*	10	*	46				*	15	*			Nannofossil ooze with clay and radiolarians
199	1218	B	7	H	CC	0	60.99	D			100					40		4		1					25	2	20					8			*	Nannofossil clay
199	1218	B	8	H	2	62	63.02	D			100					15				5										50		30	*			Radiolarian nannofossil ooze with clay
199	1218	B	8	H	3	112	65.02	D			100					5				2						*				80	3	10				Nannofossil ooze with radiolarians
199	1218	B	9	H	3	60	74.00	D			100					10		3		1										71		15				Nannofossil ooze with radiolarians and clay
199	1218	B	9	H	6	95	78.85	D			100					5		3		5			1			1				50		35				Radiolarian nannofossil ooze
199	1218	B	10	H	2	116	82.56	D			100					10				4						1				65		20				Nannofossil ooze with radiolarians and clay
199	1218	B	10	H	2	139	82.79	M			100					10				20										55		15				Nannofossil ooze with opaques
199	1218	B	10	H	4	121	85.61	D			100		2			5										1				90		2				Nannofossil ooze
199	1218	B	11	H	3	33	92.73	M			100					5										*				85		10				Nannofossil ooze with radiolarians
199	1218	B	11	H	5	95	96.35	D			100		5			10				*										75		10				Nannofossil ooze with radiolarians and clay
199	1218	B	13	H	3	85	112.25	D			100					5										*				90	*	5				Nannofossil ooze
199	1218	B	13	H	3	110	112.50	D			100					10							*			*				69	1	20	*			Nannofossil ooze with radiolarians and clay

Sample									Texture			Mineral														Biogenic										
Leg	Site	Hole	Core	Core Type	Section	Top Interval (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Aragonite (15)	Aragonite tiny needles (237)	Calcite (30)	Carbonate (35)	Clay Mineral (47)	Dolomite (62)	Fe Oxide (68)	Feldspar (71)	Opaques (140)	Pyrite (169)	Quartz (172)	Volcanic Glass (81)	Zeolite (222)	Coccolith (51)	Diatoms (58)	Discoaster (61)	Fish Remains (74)	Foraminifers (78)	Nannofossils (132)	Planktonic Forams (160)	Radiolarians (173)	Siliceous Sponge Spicules (185)	Silicoflagellates (189)	Sponge Spicules (199)	Comments
Hole B (continued)																																			
199	1218	B	14	H	4	73	123.13	M			100																			95		5				Nannofossil ooze
199	1218	B	15	H	6	140	136.30	D			100																			93		7	*			Nannofossil ooze
199	1218	B	19	X	4	90	170.80	D			100															*				98	1	1				Nannofossil ooze
199	1218	B	20	X	4	55	180.15	D			100					5														94		1				Nannofossil ooze
199	1218	B	21	X	1	90	185.70	D			100					5														92		1				Nannofossil ooze
199	1218	B	21	X	3	40	188.20	D			100					10							2			2				81		5				Nannofossil ooze with clay
199	1218	B	21	X	5	50	191.30	D			100					15							5			10				60		10				Nannofossil ooze with clay
199	1218	B	22	X	1	30	194.70	D			100					10										2				86		2				Nannofossil ooze with clay
199	1218	B	22	X	7	30	203.33	D			100					10										40				48		2				Diatomaceous nannofossil chalk with clay
199	1218	B	23	X	5	10	210.20	D			100									*						*				100	*	*				Nannofossil chalk
199	1218	B	27	X	1	69	238.59	D			100					20		4		2						4				50		20	*			Nannofossil chalk with clay and radiolarians
199	1218	B	27	X	3	87	241.77	D			100					20		10		3						6				1		60	*			Radiolarite with clay and Fe-oxides
199	1218	B	27	X	4	108	243.48	D			100			25		20		8		2						3		*		2		40	*			Radiolarite with calcite and clay
199	1218	B	27	X	6	52	245.92	M			100			20		8						2								5		65	*	*		Radiolarite with calcite
199	1218	B	28	X	3	68	251.18	D			100				5	5	5									7				65		10	3			Nannofossil chalk with radiolarians

Sample									Texture			Mineral			Biogenic				
Leg	Site	Hole	Core	Core Type	Section	Top Interval (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Clay Mineral (47)	Opaques (140)	Volcanic Glass (81)	Diatoms (58)	Foraminifers (78)	Nannofossils (132)	Radiolarians (173)	Comments
Hole C																			
199	1218	C	17	X	3	50	213.90	D			100	10		*	5	1	82	2	Nannofossil chalk with clay
199	1218	C	17	X	3	63	214.03	M			100	5			1	5	87	2	Nannofossil chalk
199	1218	C	17	X	4	140	216.30	D			100	15			2	1	77	5	Nannofossil chalk with clay
199	1218	C	17	X	5	30	216.70	D			100	20	5	2	15		48	10	Nannofossil chalk with clay, diatoms, and radiolarians
199	1218	C	17	X	7	20	219.30	D			100	25	5					70	Radiolarite with clay
199	1218	C	18	X	2	130	225.87	D			100	20	15					65	Radiolarite with clay and opaque minerals
199	1218	C	18	X	3	70	226.77	D			100	20	20				10	50	Radiolarite with clay, opaque minerals and nannofossils