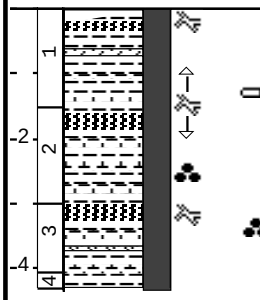
Core Photo

1125A-1H 0-4.3 mbsf

Leg 181 Site 1125 Hole A Core 1H



FORAMINIFER-BEARING NANNOFOSSIL SILTY CLAY, FORAMINIFER- and NANNOFOSSIL-BEARING SILTY CLAY, NANNOFOSSIL FORAMINIFER SAND, and TEPHRA

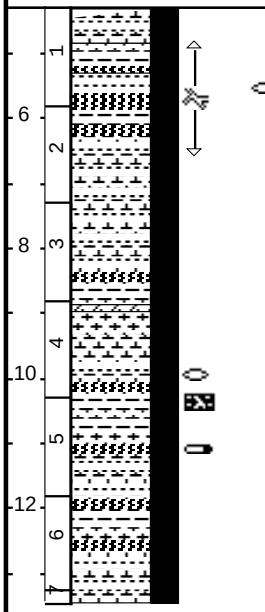
Lithology
The core contains alternating layers of olive gray (5Y 5/2) FORAMINIFER- and NANNOFOSSIL-BEARING SILTY CLAY interbedded with light greenish gray (5GY 7/1) to light olive gray (5Y 6/2) FORAMINIFER-BEARING NANNOFOSSIL SILTY CLAY. There are also laminae and lenses of NANNOFOSSIL FORAMINIFER SAND scattered throughout Sections 2 and 3.

General Description
Alternating layers have strongly bioturbated contacts with well-defined Thalassinoides present. Bioturbation is common throughout the core and identified trace fossils include Thalassinoides and Planolites. The relatively large TEPHRA present in Section 1, 63 to 74 cm, is probably the Kawakawa Ash; the contacts are sharp although slightly deformed by coring.

Core Photo

1125A-2H 4.3-13.8 mbsf

Leg 181 Site 1125 Hole A Core 2H



FORAMINIFERAL-BEARING CLAYEY NANNOFOSSIL OOZE, FORAMINIFERAL-BEARING NANNOFOSSIL SILTY CLAY, FORAMINIFER SAND, and TEPHRA

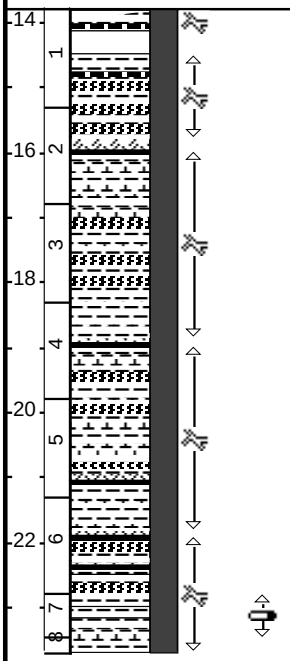
Lithology
This core shows alternations of light gray (5Y 6.5/1) to white (5Y 8/1) FORAMINIFERAL-BEARING CLAYEY NANNOFOSSIL OOZE with light olive gray (5Y 6/2) FORAMINIFERAL-BEARING NANNOFOSSIL SILTY CLAY.

General Description
The sediment in this core is heavily bioturbated with Planolites and Thalassinoides present. Light and dark layers document interglacial and glacial cycles. A single TEPHRA layer is present in Section 4, 5 to 19.5 cm, and is normally graded, has a sharp base, and shows color zonation with light gray (5YR 6/1) at the base and white (5YR 8/1) at the top. Small lenses with winnowed FORAMINIFER SAND occur in Sections 1 and 4.

Core Photo

1125A-3H 13.8-23.3 mbsf

Leg 181 Site 1125 Hole A Core 3H



FORAMINIFER-BEARING NANNOFOSSIL SILTY CLAY, FORAMINIFER- and NANNOFOSSIL-BEARING SILTY CLAY, TEPHRA, and FORAMINIFER-NANNOFOSSIL SAND

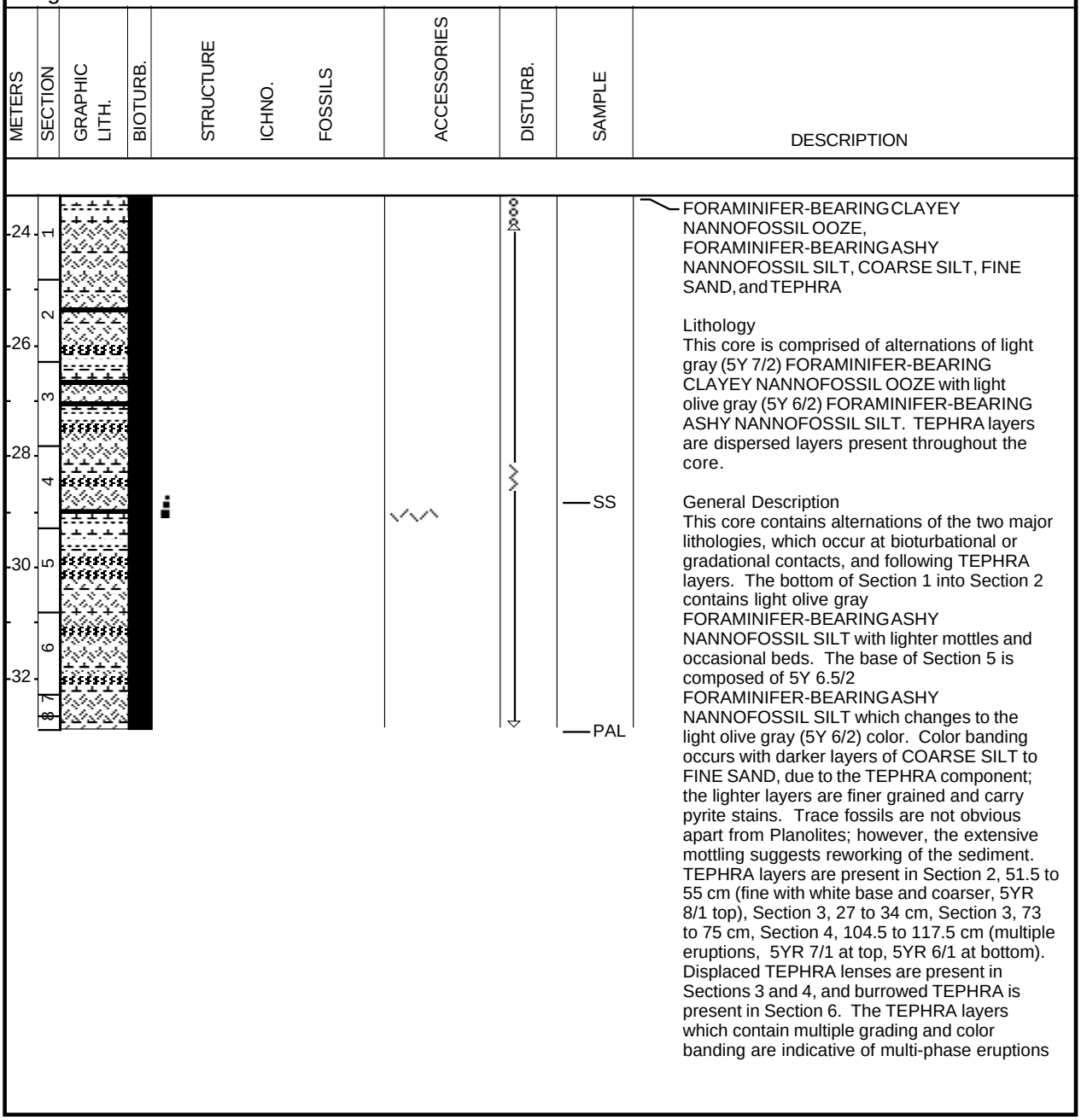
Lithology
This core is composed of alternating layers of light greenish gray (5GY 6/1) to light olive gray (5Y 6/2) FORAMINIFER-BEARING NANNOFOSSIL SILTY CLAY with olive gray (5Y 5/2) FORAMINIFER- and NANNOFOSSIL-BEARING SILTY CLAY. TEPHRA layers are present in Section 2, 49 to 70 cm, Section 4, 54 to 67 cm, Section 5, 113 to 127 cm, Section 6, 50 to 60 cm, and 100 to 108 cm.

General Description
The top of the core (and Section 1, 100 to 125 cm) is a white (5Y 8/1) color. This becomes light greenish gray (5GY 6/1) FORAMINIFER-BEARING NANNOFOSSIL SILTY CLAY at an uncertain contact until Section 1, 100 cm. Below the second white layer in Section 1, regular alternations of the dominant lithologies comprise the remainder of the core, starting with olive gray (5Y 6/2) FORAMINIFER- and NANNOFOSSIL-BEARING SILTY CLAY. These lithologies change at each bioturbational or gradational boundary (and at the TEPHRA layers present in Sections 2 and 4). Bioturbation is common throughout the core; Thalassinoides is well developed and the only identifiable trace fossil. The TEPHRA layers have sharp basal contacts and are normally graded. FORAMINIFER-NANNOFOSSIL SANDS are mixed into the sediment at the top of Section 3. Section 1 is disturbed, with both soupy and flow-in sections.

Core Photo

1125A-4H 23.3-32.8 mbsf

Leg 181 Site 1125 Hole A Core 4H



FORAMINIFER-BEARING CLAYEY NANNOFOSSIL OOZE, FORAMINIFER-BEARING ASHY NANNOFOSSIL SILT, COARSE SILT, FINE SAND, and TEPHRA

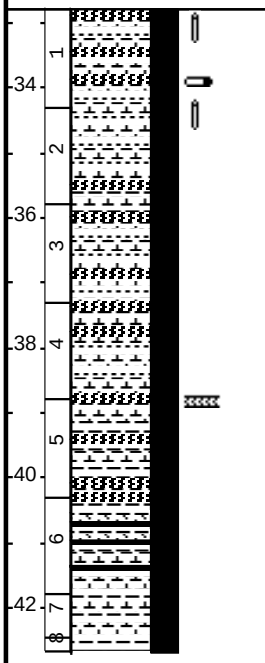
Lithology
This core is comprised of alternations of light gray (5Y 7/2) FORAMINIFER-BEARING CLAYEY NANNOFOSSIL OOZE with light olive gray (5Y 6/2) FORAMINIFER-BEARING ASHY NANNOFOSSIL SILT. TEPHRA layers are dispersed layers present throughout the core.

General Description
This core contains alternations of the two major lithologies, which occur at bioturbational or gradational contacts, and following TEPHRA layers. The bottom of Section 1 into Section 2 contains light olive gray FORAMINIFER-BEARING ASHY NANNOFOSSIL SILT with lighter mottles and occasional beds. The base of Section 5 is composed of 5Y 6.5/2 FORAMINIFER-BEARING ASHY NANNOFOSSIL SILT which changes to the light olive gray (5Y 6/2) color. Color banding occurs with darker layers of COARSE SILT to FINE SAND, due to the TEPHRA component; the lighter layers are finer grained and carry pyrite stains. Trace fossils are not obvious apart from Planolites; however, the extensive mottling suggests reworking of the sediment. TEPHRA layers are present in Section 2, 51.5 to 55 cm (fine with white base and coarser, 5YR 8/1 top), Section 3, 27 to 34 cm, Section 3, 73 to 75 cm, Section 4, 104.5 to 117.5 cm (multiple eruptions, 5YR 7/1 at top, 5YR 6/1 at bottom). Displaced TEPHRA lenses are present in Sections 3 and 4, and burrowed TEPHRA is present in Section 6. The TEPHRA layers which contain multiple grading and color banding are indicative of multi-phase eruptions

Core Photo

1125A-5H 32.8-42.3 mbsf

Leg 181 Site 1125 Hole A Core 5H



DESCRIPTION

NANNOFOSSIL SILTY CLAY, NANNOFOSSIL ASHY SILTY FINE SAND, CLAYEY NANNOFOSSIL OOZE, FORAMINIFER-BEARING SAND, and TEPHRA

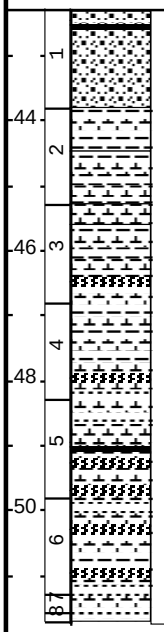
Lithology
This core contains light olive gray (5Y 6/2) NANNOFOSSIL SILTY CLAY, which sometimes includes NANNOFOSSIL ASHY SILTY FINE SAND, with interbeds of light gray (5Y 7/2 to white (5Y 8/1) CLAYEY NANNOFOSSIL OOZE. TEPHRA layers are present in Section 6, 27.5 to 39 cm, 54 to 68 cm, and 106 to 108 cm.

General Description
This core is generally composed of an alternation of the dominant lithologies at bioturbational boundaries. The base of Section 3 contains light gray (5Y 7.5/2) CLAYEY NANNOFOSSIL OOZE and Section 4, 50 to 150 cm, contains a white (5Y 8/1) color. Light olive gray (5Y 6.5/2) color is present in Section 5, 70 to 130 cm. The sediment is color banded throughout the core. The darker layers are sometimes sandy due to theincorporation of glass. Occasional lenses of winnowed FORAMINIFER-BEARING SAND are also present in the core. Bioturbation is heavy throughout the core; Skolithos is prominent and Zoophycos is present as well. There is flow-in at the base of the core.

Core Photo

1125A-6H 42.3-51.8 mbsf

Leg 181 Site 1125 Hole A Core 6H



FORAMINIFER-BEARINGNANNOFOSSIL SILTY CLAY, SILTY FINE SAND, CLAYEY NANNOFOSSIL OOZE, and TEPHRA

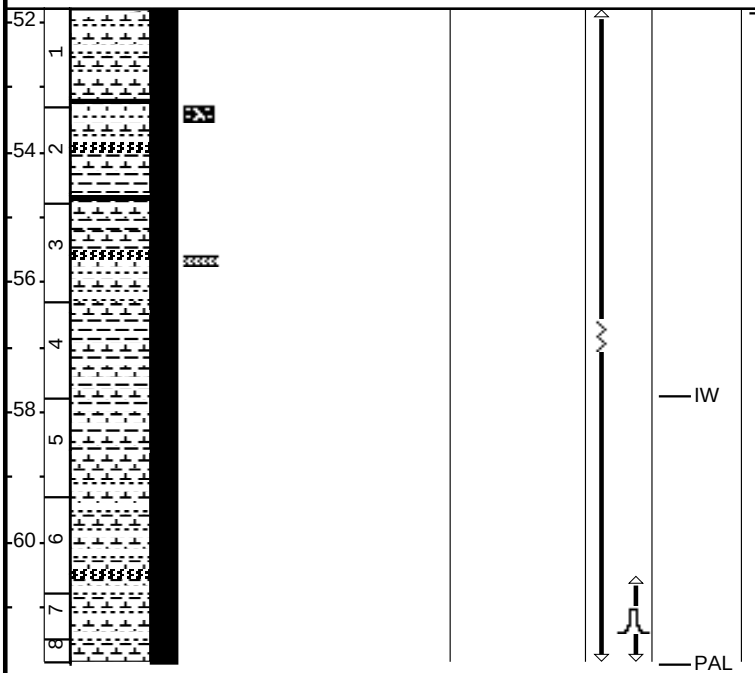
Lithology
This core contains light olive gray (5Y 6/2) FORAMINIFER-BEARINGNANNOFOSSIL SILTY CLAY and SILTY FINE SAND with intercalations of light gray (5Y 7/1) to white (5Y 8/1) CLAYEY NANNOFOSSIL OOZE. TEPHRA layers are present in Section 1, 18.5 to 25.5 cm, and Section 2, 68 to 73.5 cm.

General Description
This core is composed of alternations of the dominant lithologies. Section 2, 70 cm, to Section 3, 30 cm, is composed of white (5Y 8/1) FORAMINIFER-BEARING NANNOFOSSIL SILTY CLAY. Section 3, 120 cm, to Section 4, 120 cm, is composed of greenish gray (5Y 6.5/1) FORAMINIFER-BEARING NANNOFOSSIL SILTY CLAY. The base of Section 4 to Section 5, 100 cm, is composed of both light gray (5Y 7/1) and white (5Y 8/1) CLAYEY NANNOFOSSIL OOZE. Light gray (5Y 7/1) CLAYEY NANNOFOSSIL OOZE is also present in Section 6, to 50 cm, and white (5Y 8/1) is present at the base of the core (which also contains sandy burrows). These intercalations have subtle color differences. Bioturbation is pervasive with diverse ichnofauna including Planolites, Zoophycos, Skolithos, Thalassinoides, and Chondrites (rare).

Core Photo

1125A-7H 51.8-61.3 mbsf

Leg 181 Site 1125 Hole A Core 7H



CLAYEY NANNOFOSSIL OOZE, FORAMINIFER-BEARINGNANNOFOSSIL SILTY CLAY, SAND, and TEPHRA

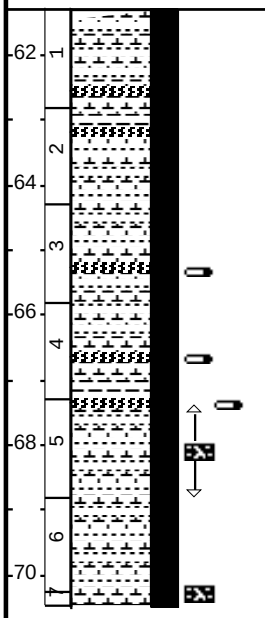
Lithology
This core contains light gray (5Y 7/1 to 5Y 7/2) CLAYEY NANNOFOSSIL OOZE intercalated with light olive gray (5Y 6/2) FORAMINIFER-BEARINGNANNOFOSSIL SILTY CLAY. TEPHRA layers are present in Section 1, 137 to 140 cm, and in Section 2, 137.5 to 138 cm.

General Description
Light gray (5Y 7/2) CLAYEY NANNOFOSSIL OOZE alternates with light olive gray (5Y 6/2) FORAMINIFER-BEARINGNANNOFOSSIL SILTY CLAY throughout the middle of Section 3, when the color of the CLAYEY NANNOFOSSIL OOZE becomes light gray (5Y 7/1). Most of Section 4 and into Section 5, 80 cm, is gray (5Y 6.5/2) FORAMINIFER-BEARING NANNOFOSSIL SILTY CLAY. This overlays a bed of light gray (5Y 7/2) CLAYEY NANNOFOSSIL OOZE which alternates in color with light gray (5Y 7/1) for the remainder of the core. The CLAYEY NANNOFOSSIL OOZE contains pyrite stains which often surround burrows. The color of the beds are not easily differentiated and therefore the distinction of cycles is subjective. The sediment has been heavily bioturbated, and SAND-filled burrows are common in Sections 3, 5, and 6; trace fossils include Zoophycos and Chondrites. Flow-in is present at the base of the core.

Core Photo

1125A-8H 61.3-70.8 mbsf

Leg 181 Site 1125 Hole A Core 8H



DESCRIPTION

CLAYEY NANNOFOSSIL OOZE and FORAMINIFER-BEARINGNANNOFOSSIL SILTY CLAY

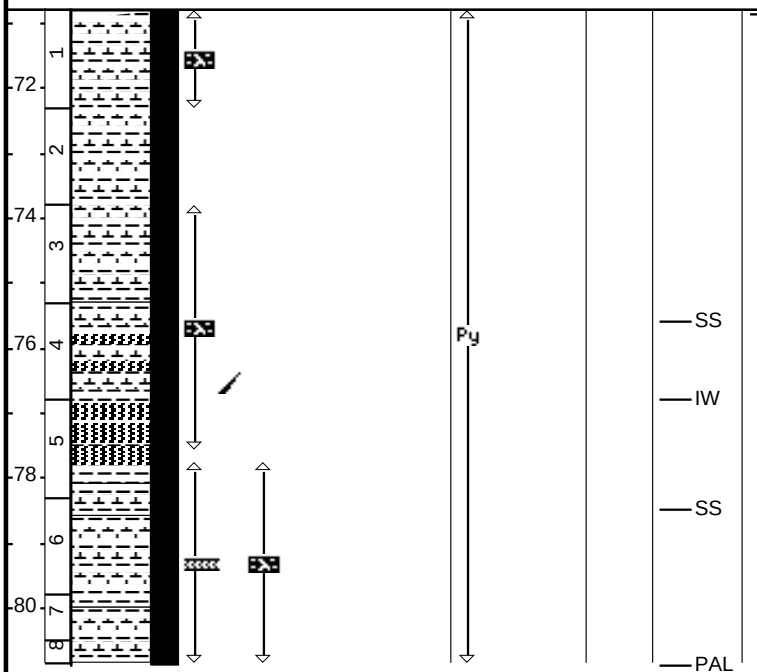
Lithology
This core is composed of light gray (5Y 7.5/2) and light olive gray (5Y 6/2) CLAYEY NANNOFOSSIL OOZE intercalated with olive gray (5Y 5/2) FORAMINIFER-BEARING NANNOFOSSIL SILTY CLAY.

General Description
This core contains alternations of the above two lithologies at bioturbational contacts. The core begins with 5Y 6.5/3 CLAYEY NANNOFOSSIL OOZE which then changes to olive gray (5Y 5/2) FORAMINIFER-BEARING NANNOFOSSIL SILTY CLAY. The next unit (Sections 2 to 3) is 5Y 6.5/2 CLAYEY NANNOFOSSIL OOZE, which changes in color to light olive gray (5Y 6/2) in Section 3, 100 cm. Pyrite smears are present in the FORAMINIFER-BEARINGNANNOFOSSIL SILTY CLAY sections, and glaucontite is present in the smear slide. Heavy bioturbation has occurred throughout the core, and is particularly evident in the Chondrites present in Sections 5 and 6. Contacts between layers are bioturbated with Planolites, and Zoophycos are present occasionally. The top 45 cm of Section 1 is soupy.

Core Photo

1125A-9H 70.8-80.3 mbsf

Leg 181 Site 1125 Hole A Core 9H



NANNOFOSSIL SILTY CLAY, FORAMINIFER-BEARINGNANNOFOSSIL SILTY CLAY, PUMICE, and TEPHRA

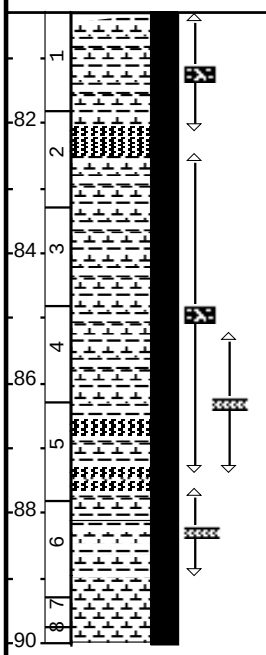
Lithology
This core contains greenish gray (5GY 6/1) NANNOFOSSIL SILTY CLAY and light greenish gray (5GY 7/1) FORAMINIFER-BEARINGNANNOFOSSIL SILTY CLAY. TEPHRA layers are present in Section 5, 10 to 30 cm, 55 to 66 cm (dispersed), and 89 to 93 cm.

General Description
This core is dominated by NANNOFOSSIL SILTY CLAY. A 5Y 6/3 color is present at the top of Section 4. Light greenish gray (5GY 7/1) FORAMINIFER-BEARINGNANNOFOSSIL SILTY CLAY is present in Section 5, 135 cm, to the base of the core, and contains glauconite in the smear slide. Both lithologies are abundantly bioturbated with Chondrites outlined by pyrite throughout the core. Zoophycos is common in Sections 5 through 7. The three TEPHRA layers present in Section 5 are all bioturbated, dispersed layers, with only a slight color change over the background NANNOFOSSIL SILTY CLAY. A ~1 cm diameter piece of PUMICE is present in Section 5, 60 cm. An echinoid spine is present in Section 4, 123 cm.

Core Photo

1125A-10H 80.3-89.8 mbsf

Leg 181 Site 1125 Hole A Core 10H

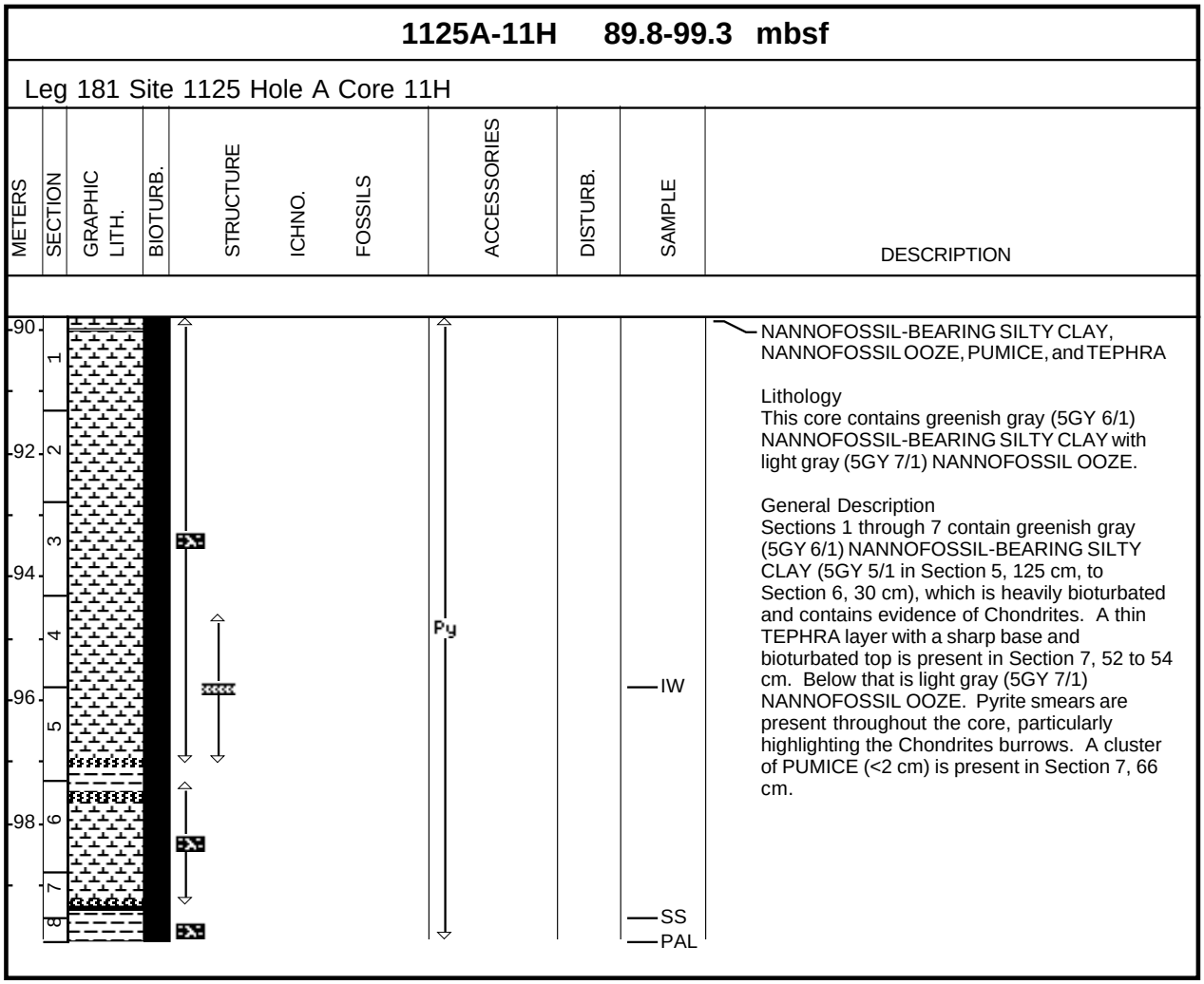


NANNOFOSSIL SILTY CLAY, NANNOFOSSIL OOZE, and TEPHRA

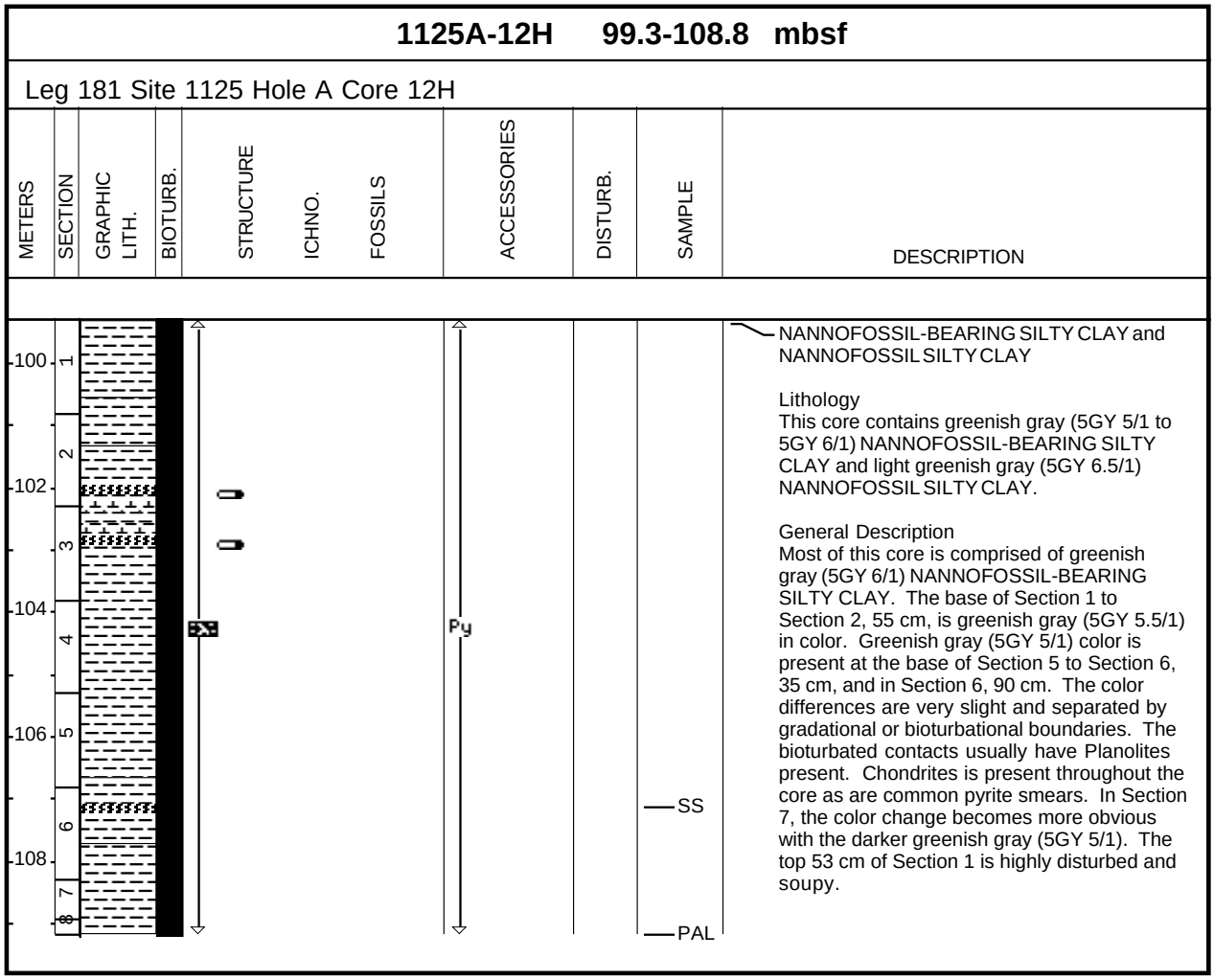
Lithology
This core contains greenish gray (5GY 6/1) NANNOFOSSIL SILTY CLAY and light gray (5GY 7/1) NANNOFOSSIL OOZE.

General Description
This core is composed of very subtle alternations between the two main lithologies. There is a bed of 5Y 6/2 NANNOFOSSIL SILTY CLAY present at the base of Section 5 through Section 6, 35 cm. Below that, the color changes to light greenish gray (5GY 5/1). Sections 1 through 5 contain NANNOFOSSIL SILTY CLAY which exhibits very gradual changes in color. Section 6, below 130 cm, to the core base, contains NANNOFOSSIL OOZE. The sediment is heavily bioturbated with Chondites outlined by pyrite. Diffuse bioturbated TEPHRA-rich layers are present in Section 5, 30 to 47 cm, and 110 to 130 cm.

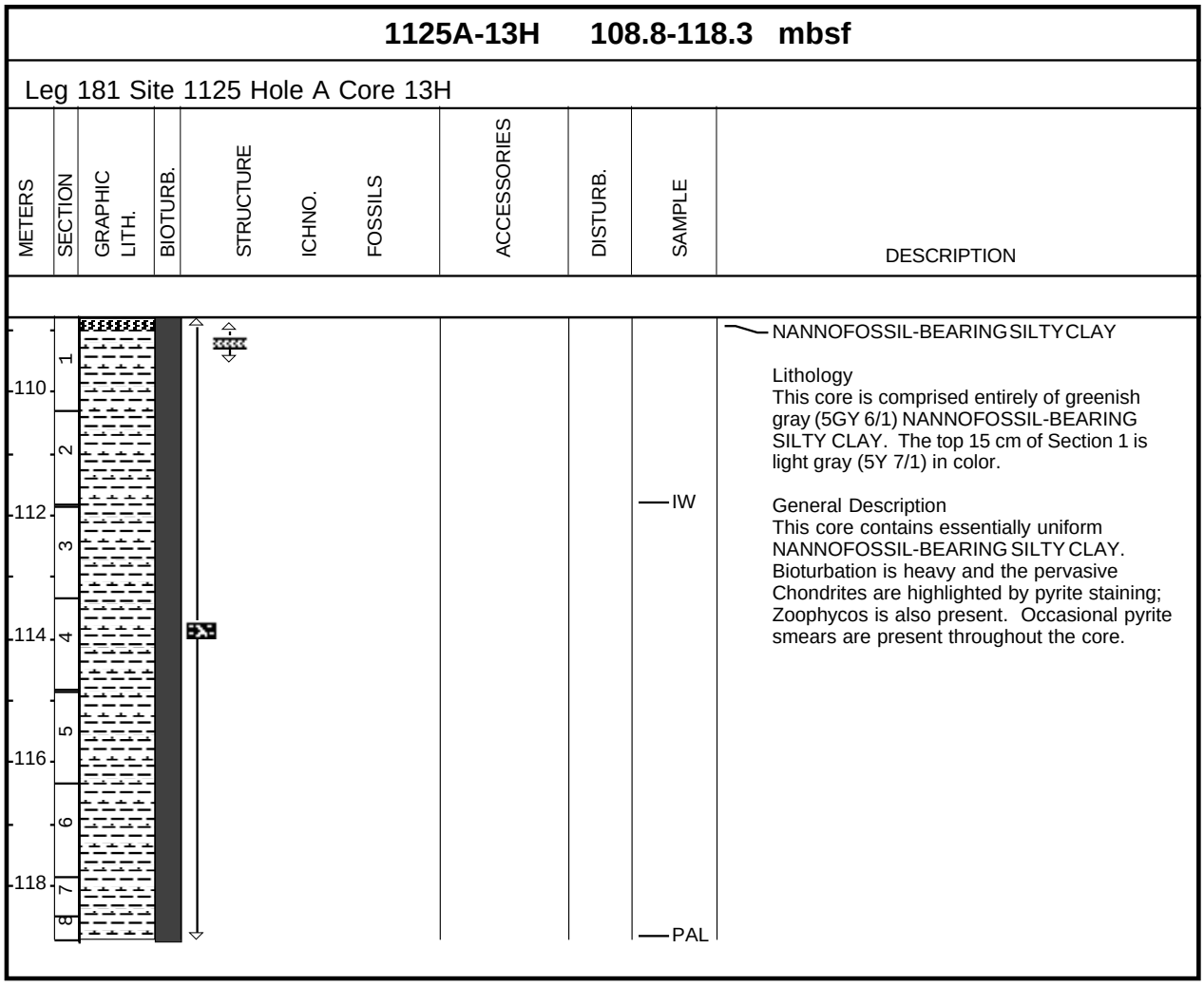
Core Photo


1125A-11H 89.8-99.3 mbsf
Leg 181 Site 1125 Hole A Core 11H
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
90
92
94
96
98
1
2
3
4
5
6
7
8
Py
IW
SS
PAL
NANNOFOSSIL-BEARING SILTY CLAY, NANNOFOSSIL OOZE, PUMICE, and TEPHRA
Lithology
This core contains greenish gray (5GY 6/1) NANNOFOSSIL-BEARING SILTY CLAY with light gray (5GY 7/1) NANNOFOSSIL OOZE.
General Description
Sections 1 through 7 contain greenish gray (5GY 6/1) NANNOFOSSIL-BEARING SILTY CLAY (5GY 5/1 in Section 5, 125 cm, to Section 6, 30 cm), which is heavily bioturbated and contains evidence of Chondrites. A thin TEPHRA layer with a sharp base and bioturbated top is present in Section 7, 52 to 54 cm. Below that is light gray (5GY 7/1) NANNOFOSSIL OOZE. Pyrite smears are present throughout the core, particularly highlighting the Chondrites burrows. A cluster of PUMICE (<2 cm) is present in Section 7, 66 cm.

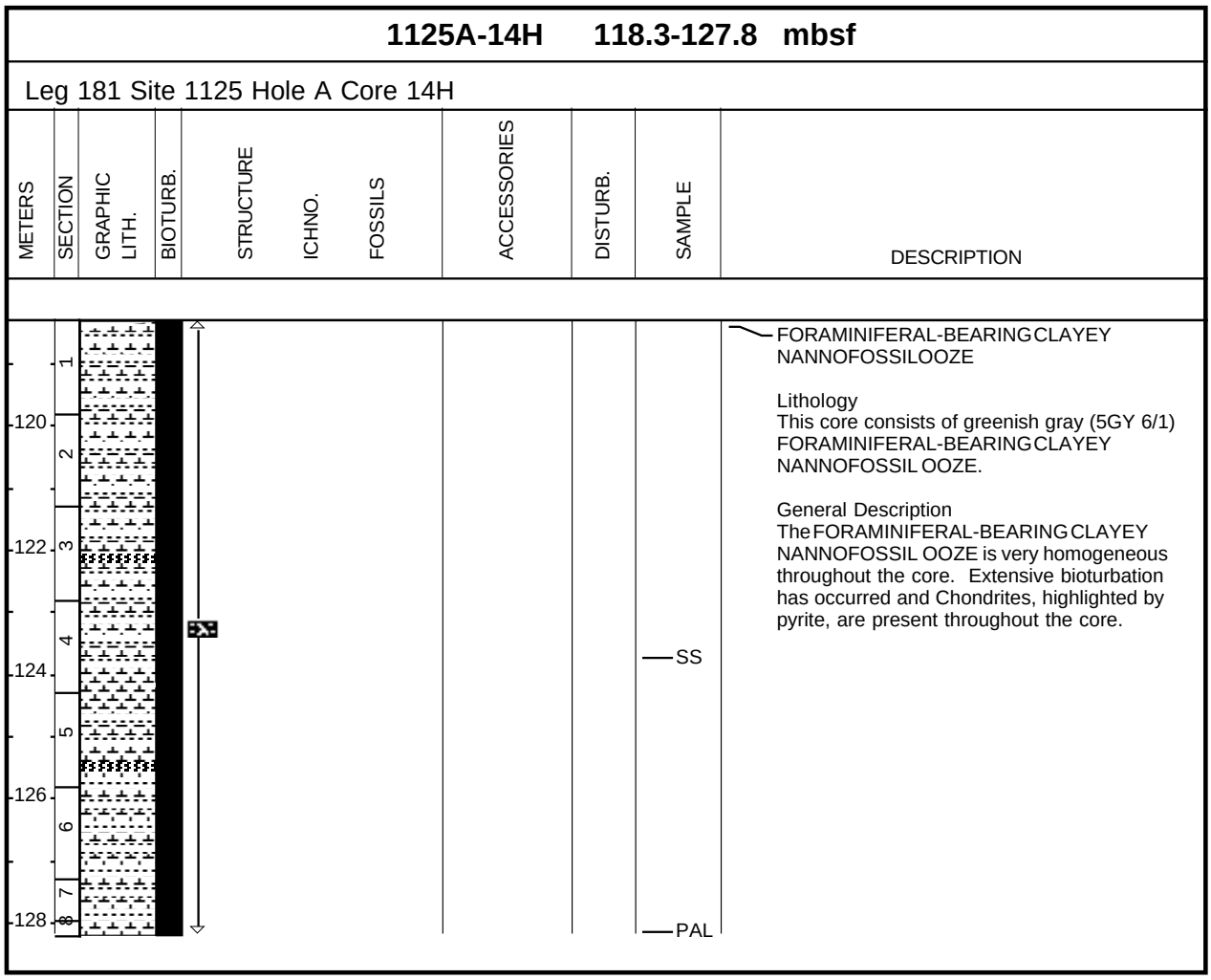
Core Photo


1125A-12H 99.3-108.8 mbsf
Leg 181 Site 1125 Hole A Core 12H
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
100
102
104
106
108
1
2
3
4
5
6
7
Py
SS
PAL
NANNOFOSSIL-BEARING SILTY CLAY and NANNOFOSSIL SILTY CLAY
Lithology
This core contains greenish gray (5GY 5/1 to 5GY 6/1) NANNOFOSSIL-BEARING SILTY CLAY and light greenish gray (5GY 6.5/1) NANNOFOSSIL SILTY CLAY.
General Description
Most of this core is comprised of greenish gray (5GY 6/1) NANNOFOSSIL-BEARING SILTY CLAY. The base of Section 1 to Section 2, 55 cm, is greenish gray (5GY 5.5/1) in color. Greenish gray (5GY 5/1) color is present at the base of Section 5 to Section 6, 35 cm, and in Section 6, 90 cm. The color differences are very slight and separated by gradational or bioturbational boundaries. The bioturbated contacts usually have Planolites present. Chondrites is present throughout the core as are common pyrite smears. In Section 7, the color change becomes more obvious with the darker greenish gray (5GY 5/1). The top 53 cm of Section 1 is highly disturbed and soupy.

Core Photo


1125A-13H 108.8-118.3 mbsf
Leg 181 Site 1125 Hole A Core 13H
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
110
112
114
116
118
1
2
3
4
5
6
7
8
IW
PAL
NANNOFOSSIL-BEARING SILTY CLAY
Lithology
This core is comprised entirely of greenish gray (5GY 6/1) NANNOFOSSIL-BEARING SILTY CLAY. The top 15 cm of Section 1 is light gray (5Y 7/1) in color.
General Description
This core contains essentially uniform NANNOFOSSIL-BEARING SILTY CLAY. Bioturbation is heavy and the pervasive Chondrites are highlighted by pyrite staining; Zoophycos is also present. Occasional pyrite smears are present throughout the core.

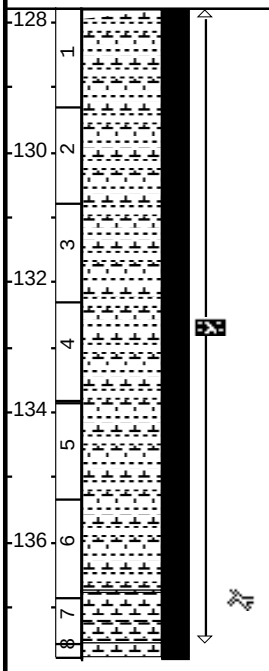
Core Photo


1125A-14H 118.3-127.8 mbsf
Leg 181 Site 1125 Hole A Core 14H
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
120
122
124
126
128
1
2
3
4
5
6
7
8
SS
PAL
FORAMINIFERAL-BEARING CLAYEY NANNOFOSSIL OOZE
Lithology
This core consists of greenish gray (5GY 6/1) FORAMINIFERAL-BEARING CLAYEY NANNOFOSSIL OOZE.
General Description
The FORAMINIFERAL-BEARING CLAYEY NANNOFOSSIL OOZE is very homogeneous throughout the core. Extensive bioturbation has occurred and Chondrites, highlighted by pyrite, are present throughout the core.

Core Photo

1125A-15H 127.8-137.3 mbsf

Leg 181 Site 1125 Hole A Core 15H

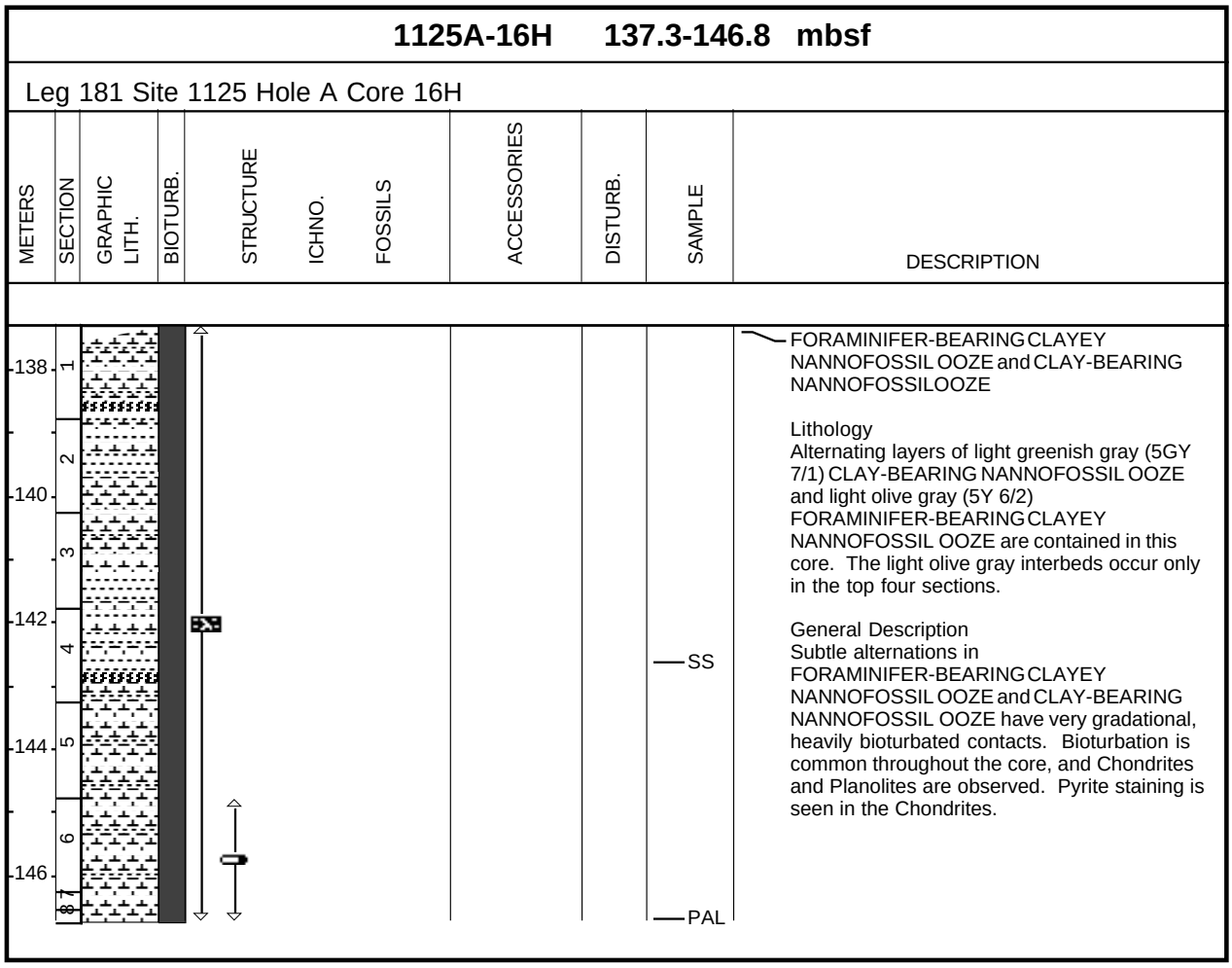


FORAMINIFERAL-BEARING CLAYEY NANNOFOSSIL OOZE, CLAY-BEARING NANNOFOSSIL OOZE, and TEPHRA

Lithology
From Section 1 to Section 6, greenish gray (5GY 6/1) FORAMINIFERAL-BEARING CLAYEY NANNOFOSSIL OOZE dominates the lithology of the core. Below the TEPHRA layer in Section 6 through Section 7, light greenish gray (5GY 7/1) CLAY-BEARING NANNOFOSSIL OOZE is present.

General Description
The FORAMINIFERAL-BEARING CLAYEY NANNOFOSSIL OOZE and CLAY-BEARING NANNOFOSSIL OOZE are heavily bioturbated; Chondrites dominates the ichnofauna. A thin TEPHRA layer present in Section 6, 142 to 145 cm, has an upper bioturbated contact and a sharp base with TEPHRA-filled Thalassinoides burrows below.

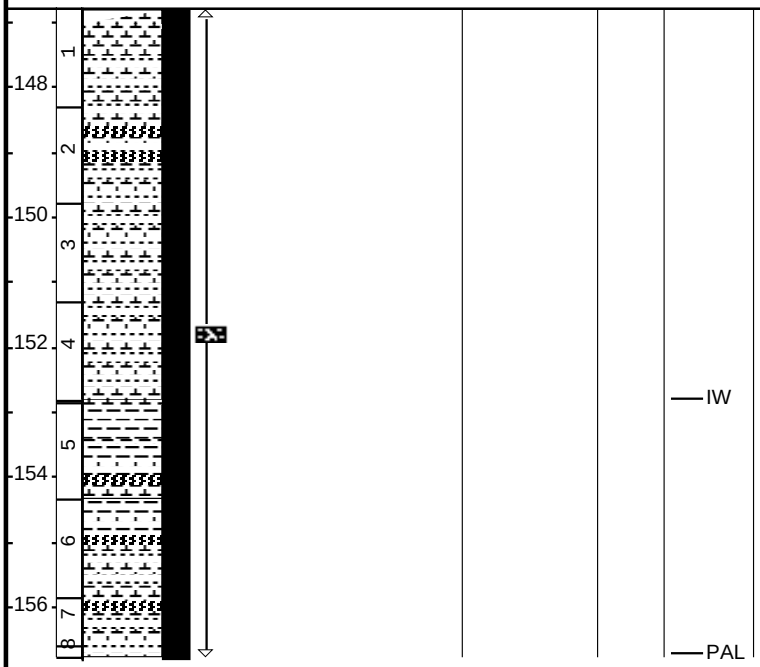
Core Photo


1125A-16H 137.3-146.8 mbsf
Leg 181 Site 1125 Hole A Core 16H
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
138
140
142
144
146
1
2
3
4
5
6
7
SS
PAL
FORAMINIFER-BEARING CLAYEY NANNOFOSSIL OOZE and CLAY-BEARING NANNOFOSSILOOZE
Lithology
Alternating layers of light greenish gray (5GY 7/1) CLAY-BEARING NANNOFOSSIL OOZE and light olive gray (5Y 6/2) FORAMINIFER-BEARING CLAYEY NANNOFOSSIL OOZE are contained in this core. The light olive gray interbeds occur only in the top four sections.
General Description
Subtle alternations in FORAMINIFER-BEARING CLAYEY NANNOFOSSIL OOZE and CLAY-BEARING NANNOFOSSIL OOZE have very gradational, heavily bioturbated contacts. Bioturbation is common throughout the core, and Chondrites and Planolites are observed. Pyrite staining is seen in the Chondrites.

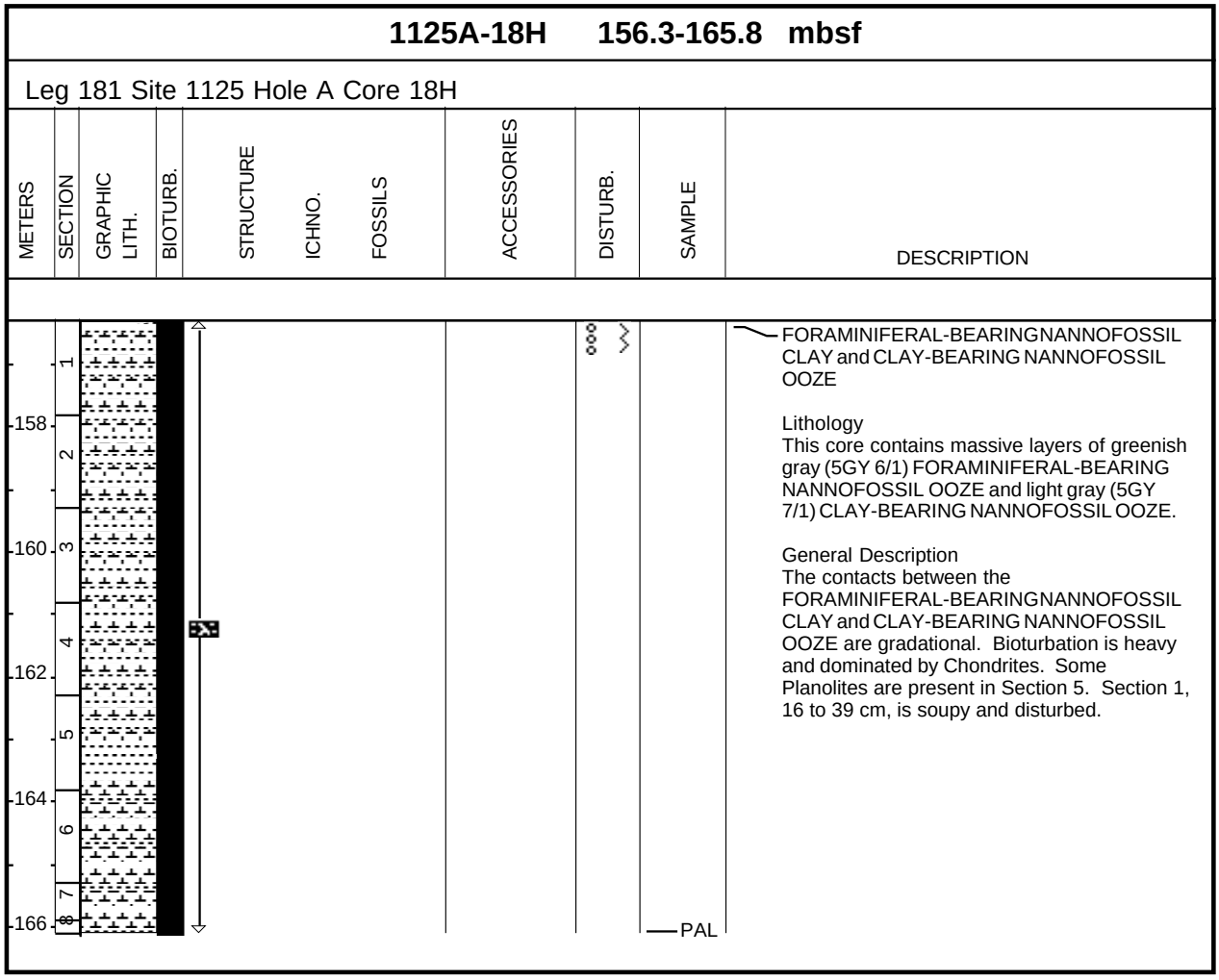
Core Photo

1125A-17H 146.8-156.3 mbsf

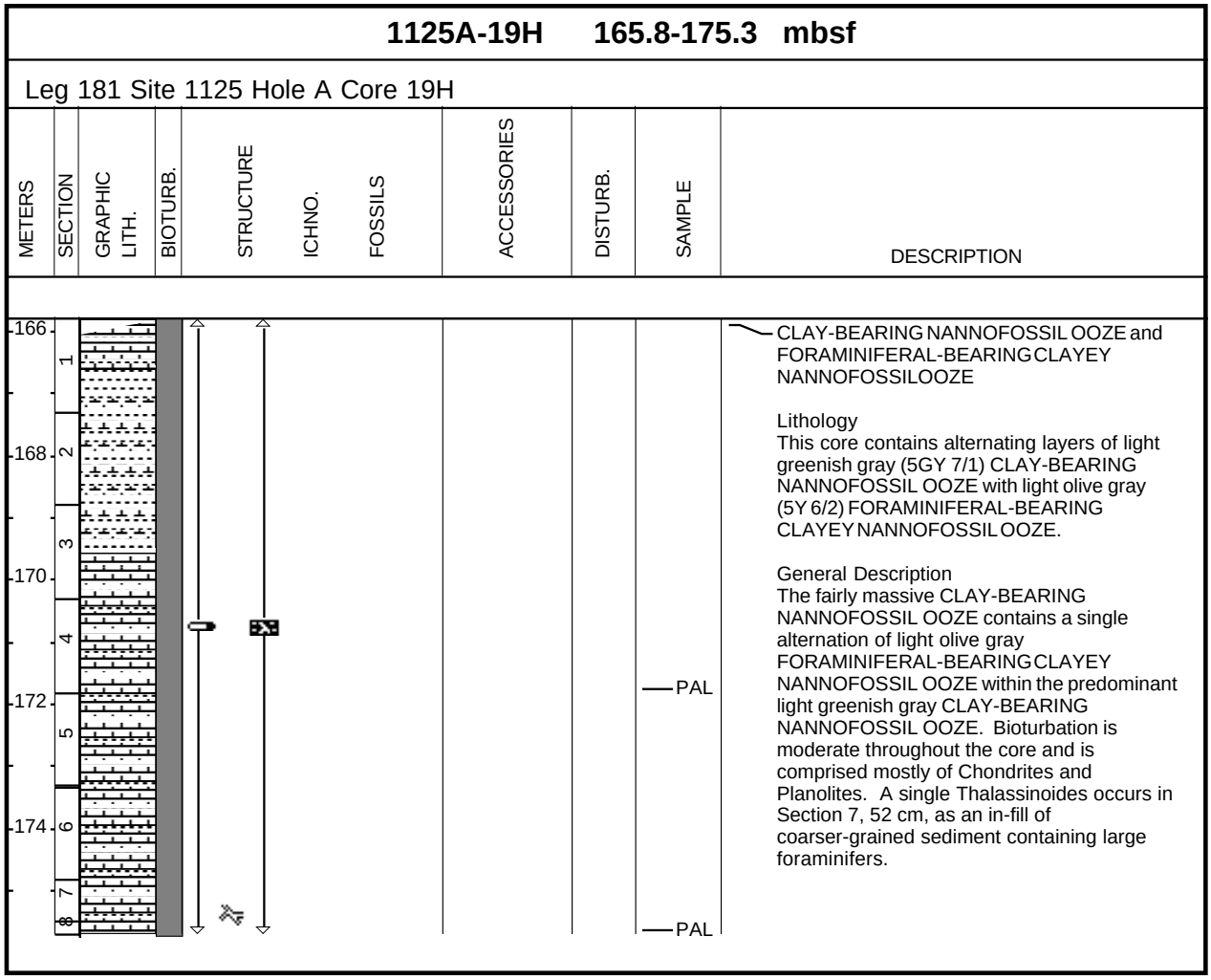
Leg 181 Site 1125 Hole A Core 17H



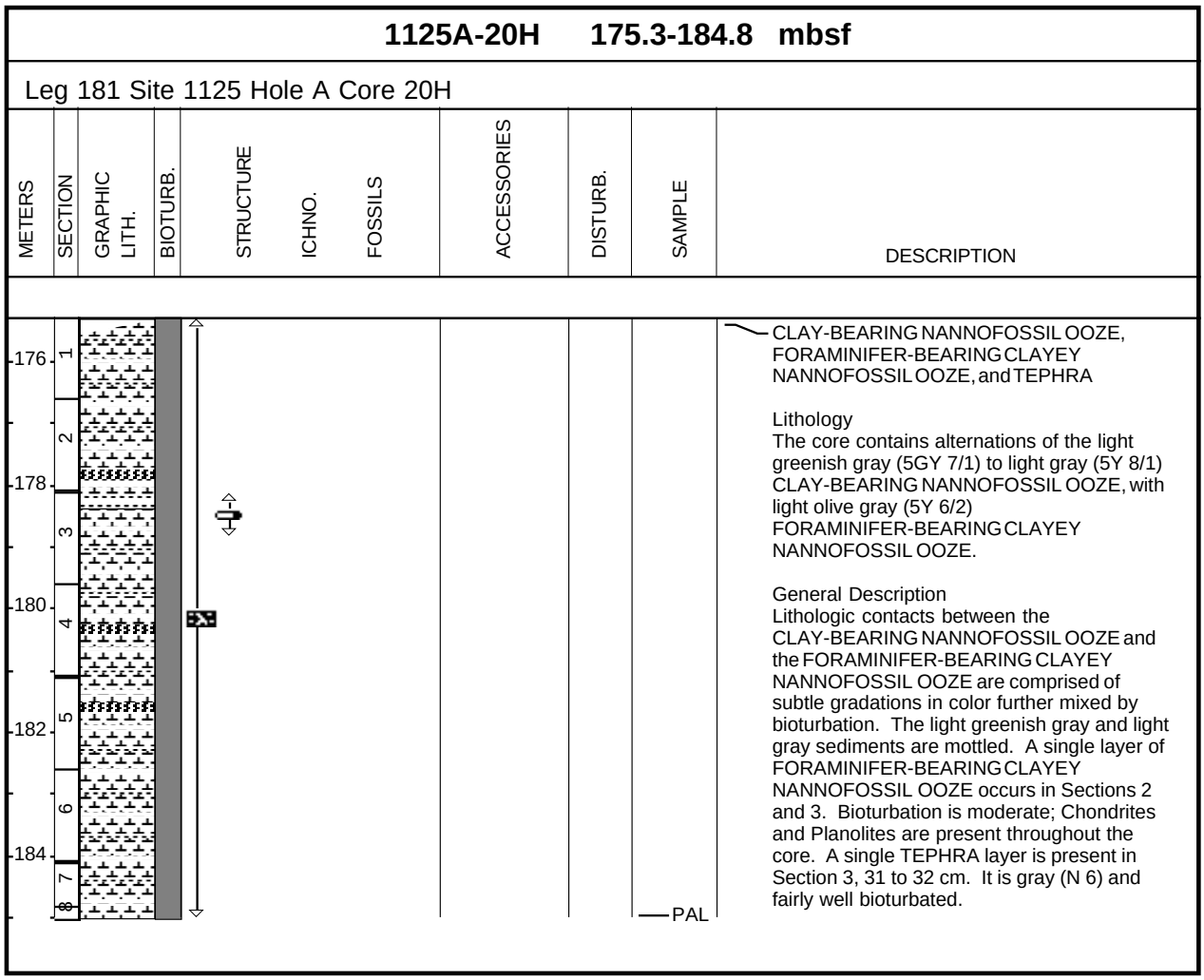
Core Photo


1125A-18H 156.3-165.8 mbsf
Leg 181 Site 1125 Hole A Core 18H
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
158
160
162
164
166
1
2
3
4
5
6
7
PAL
FORAMINIFERAL-BEARINGNANNOFOSSIL CLAY and CLAY-BEARING NANNOFOSSIL OOZE
Lithology
This core contains massive layers of greenish gray (5GY 6/1) FORAMINIFERAL-BEARING NANNOFOSSIL OOZE and light gray (5GY 7/1) CLAY-BEARING NANNOFOSSIL OOZE.
General Description
The contacts between the FORAMINIFERAL-BEARINGNANNOFOSSIL CLAY and CLAY-BEARING NANNOFOSSIL OOZE are gradational. Bioturbation is heavy and dominated by Chondrites. Some Planolites are present in Section 5. Section 1, 16 to 39 cm, is soupy and disturbed.

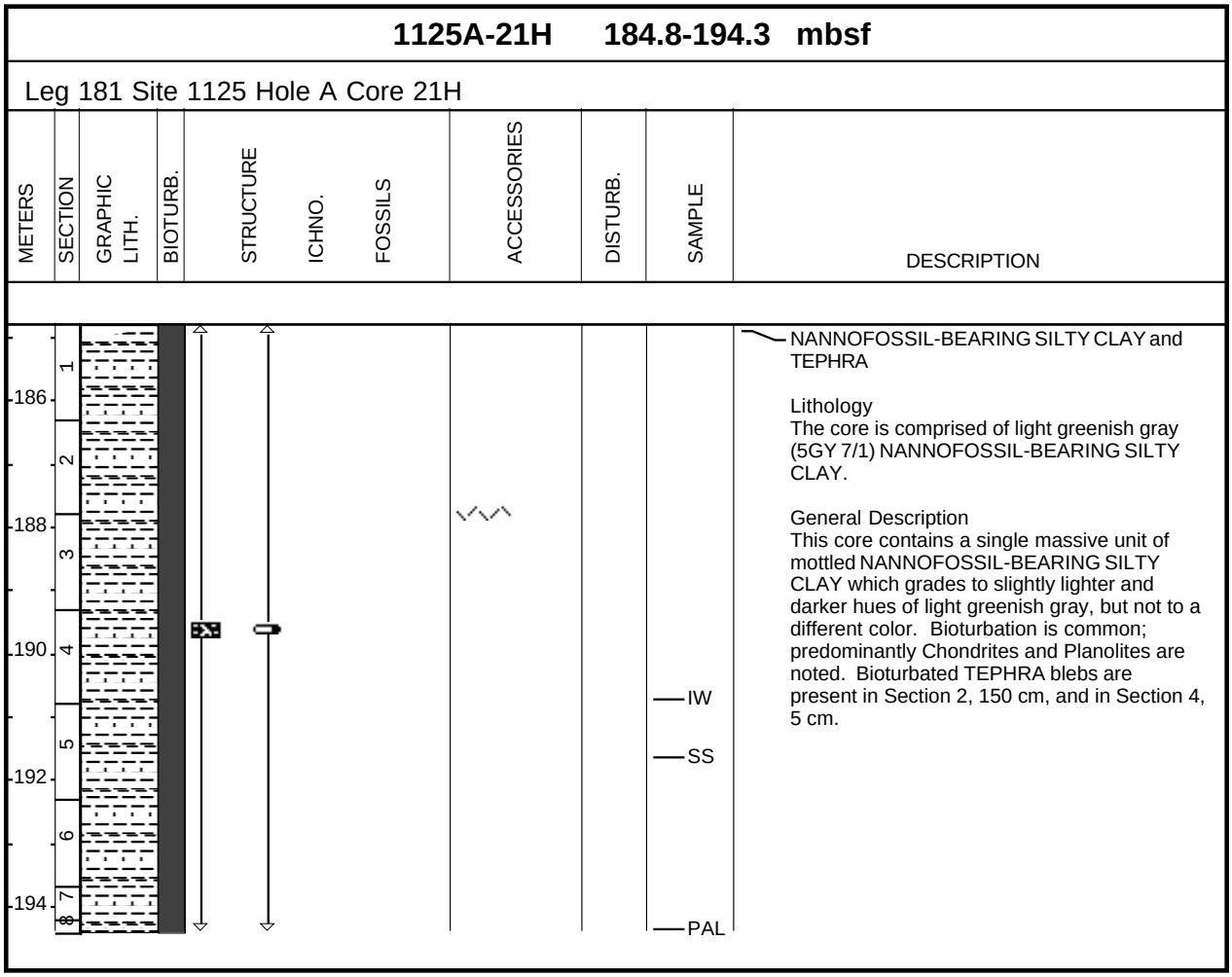
Core Photo


1125A-19H 165.8-175.3 mbsf
Leg 181 Site 1125 Hole A Core 19H
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
166
168
170
172
174
1
2
3
4
5
6
7
8
PAL
PAL
CLAY-BEARING NANNOFOSSIL OOZE and FORAMINIFERAL-BEARING CLAYEY NANNOFOSSIL OOZE
Lithology
This core contains alternating layers of light greenish gray (5GY 7/1) CLAY-BEARING NANNOFOSSIL OOZE with light olive gray (5Y 6/2) FORAMINIFERAL-BEARING CLAYEY NANNOFOSSIL OOZE.
General Description
The fairly massive CLAY-BEARING NANNOFOSSIL OOZE contains a single alternation of light olive gray FORAMINIFERAL-BEARING CLAYEY NANNOFOSSIL OOZE within the predominant light greenish gray CLAY-BEARING NANNOFOSSIL OOZE. Bioturbation is moderate throughout the core and is comprised mostly of Chondrites and Planolites. A single Thalassinoides occurs in Section 7, 52 cm, as an in-fill of coarser-grained sediment containing large foraminifers.

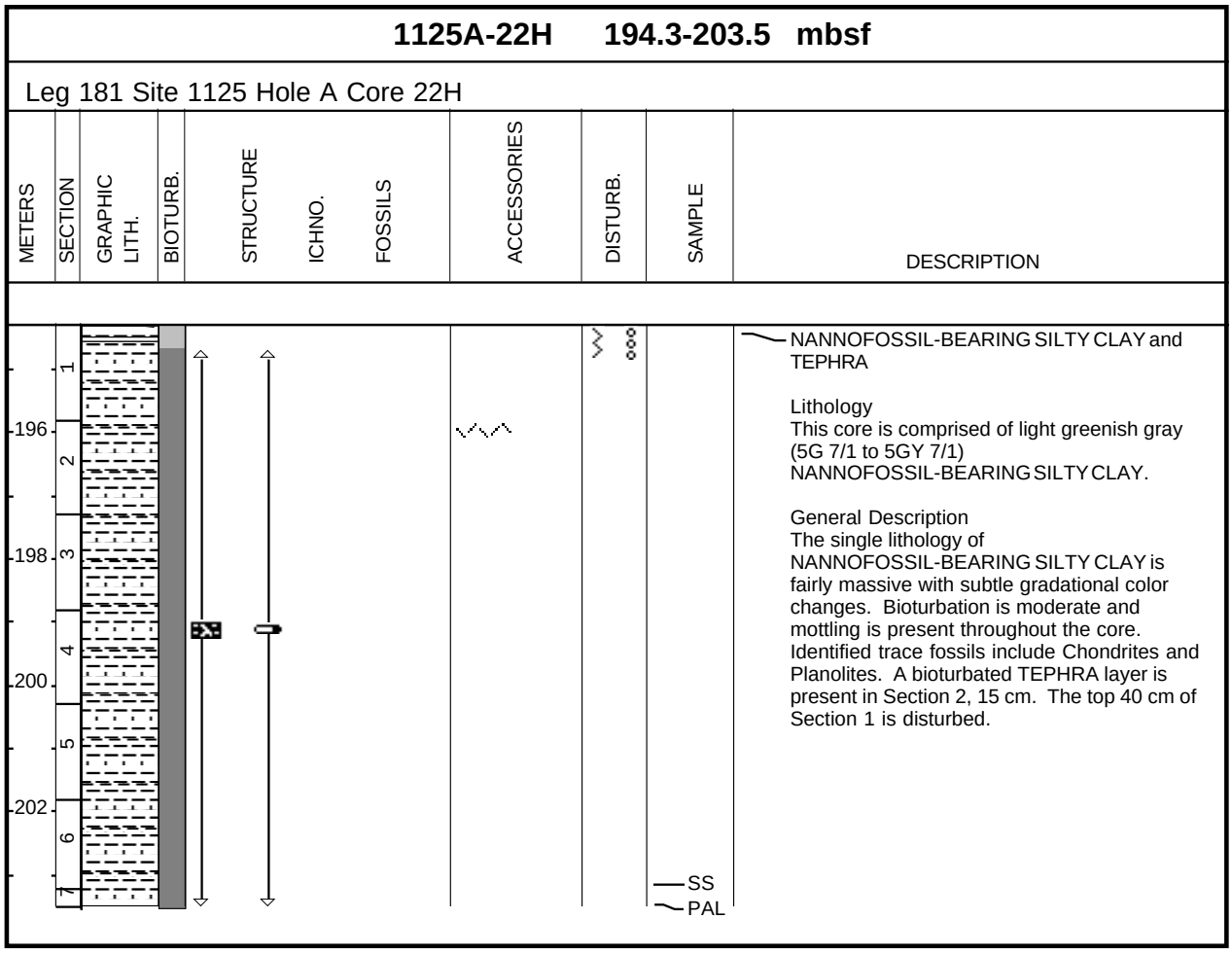
Core Photo


1125A-20H 175.3-184.8 mbsf
Leg 181 Site 1125 Hole A Core 20H
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
176
178
180
182
184
1
2
3
4
5
6
7
PAL
CLAY-BEARING NANNOFOSSIL OOZE, FORAMINIFER-BEARING CLAYEY NANNOFOSSIL OOZE, and TEPHRA
Lithology
The core contains alternations of the light greenish gray (5GY 7/1) to light gray (5Y 8/1) CLAY-BEARING NANNOFOSSIL OOZE, with light olive gray (5Y 6/2) FORAMINIFER-BEARING CLAYEY NANNOFOSSIL OOZE.
General Description
Lithologic contacts between the CLAY-BEARING NANNOFOSSIL OOZE and the FORAMINIFER-BEARING CLAYEY NANNOFOSSIL OOZE are comprised of subtle gradations in color further mixed by bioturbation. The light greenish gray and light gray sediments are mottled. A single layer of FORAMINIFER-BEARING CLAYEY NANNOFOSSIL OOZE occurs in Sections 2 and 3. Bioturbation is moderate; Chondrites and Planolites are present throughout the core. A single TEPHRA layer is present in Section 3, 31 to 32 cm. It is gray (N 6) and fairly well bioturbated.

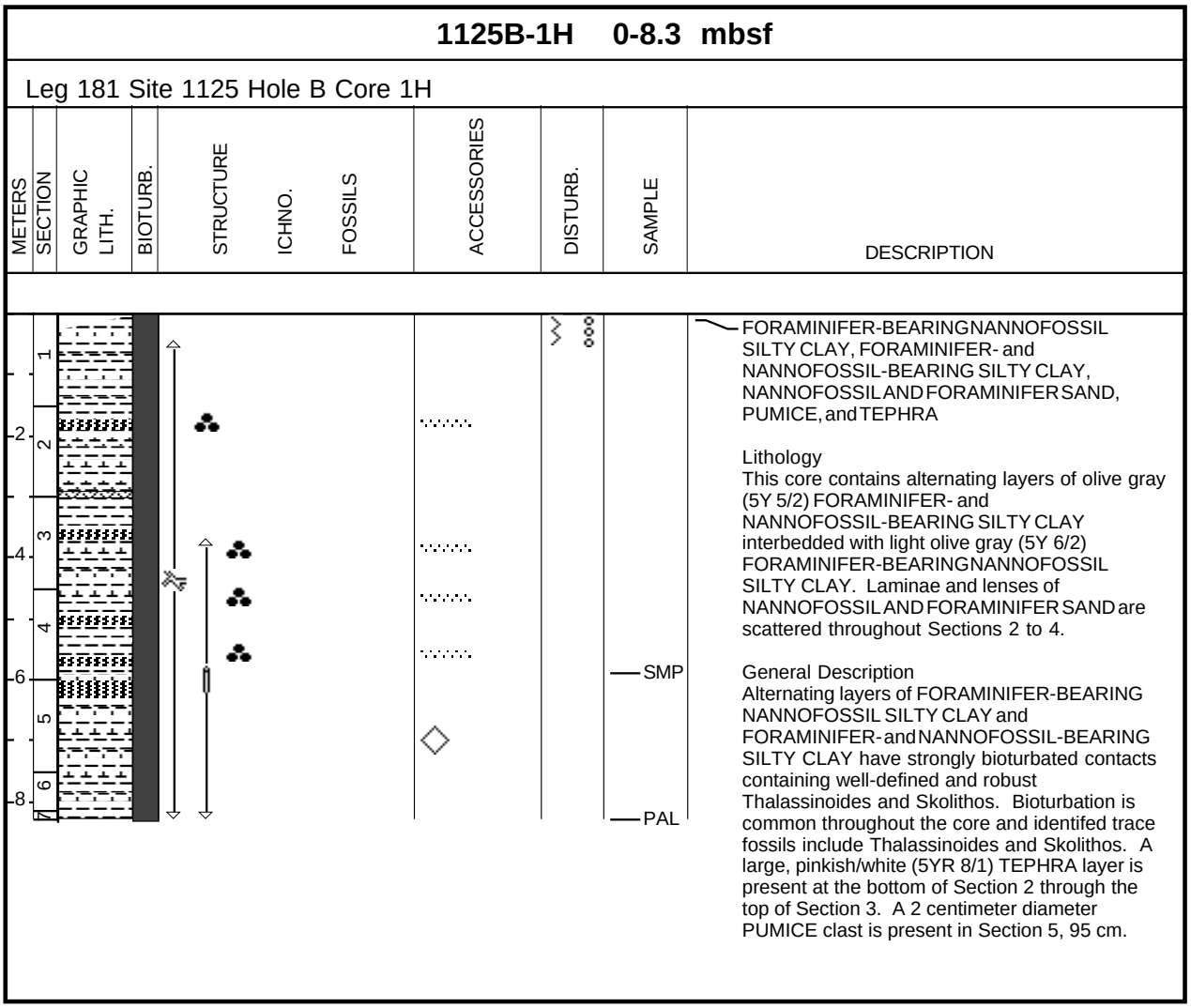
Core Photo


1125A-21H 184.8-194.3 mbsf
Leg 181 Site 1125 Hole A Core 21H
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
186
188
190
192
194
1
2
3
4
5
6
7
IW
SS
PAL
NANNOFOSSIL-BEARING SILTY CLAY and TEPHRA
Lithology
The core is comprised of light greenish gray (5GY 7/1) NANNOFOSSIL-BEARING SILTY CLAY.
General Description
This core contains a single massive unit of mottled NANNOFOSSIL-BEARING SILTY CLAY which grades to slightly lighter and darker hues of light greenish gray, but not to a different color. Bioturbation is common; predominantly Chondrites and Planolites are noted. Bioturbated TEPHRA blebs are present in Section 2, 150 cm, and in Section 4, 5 cm.

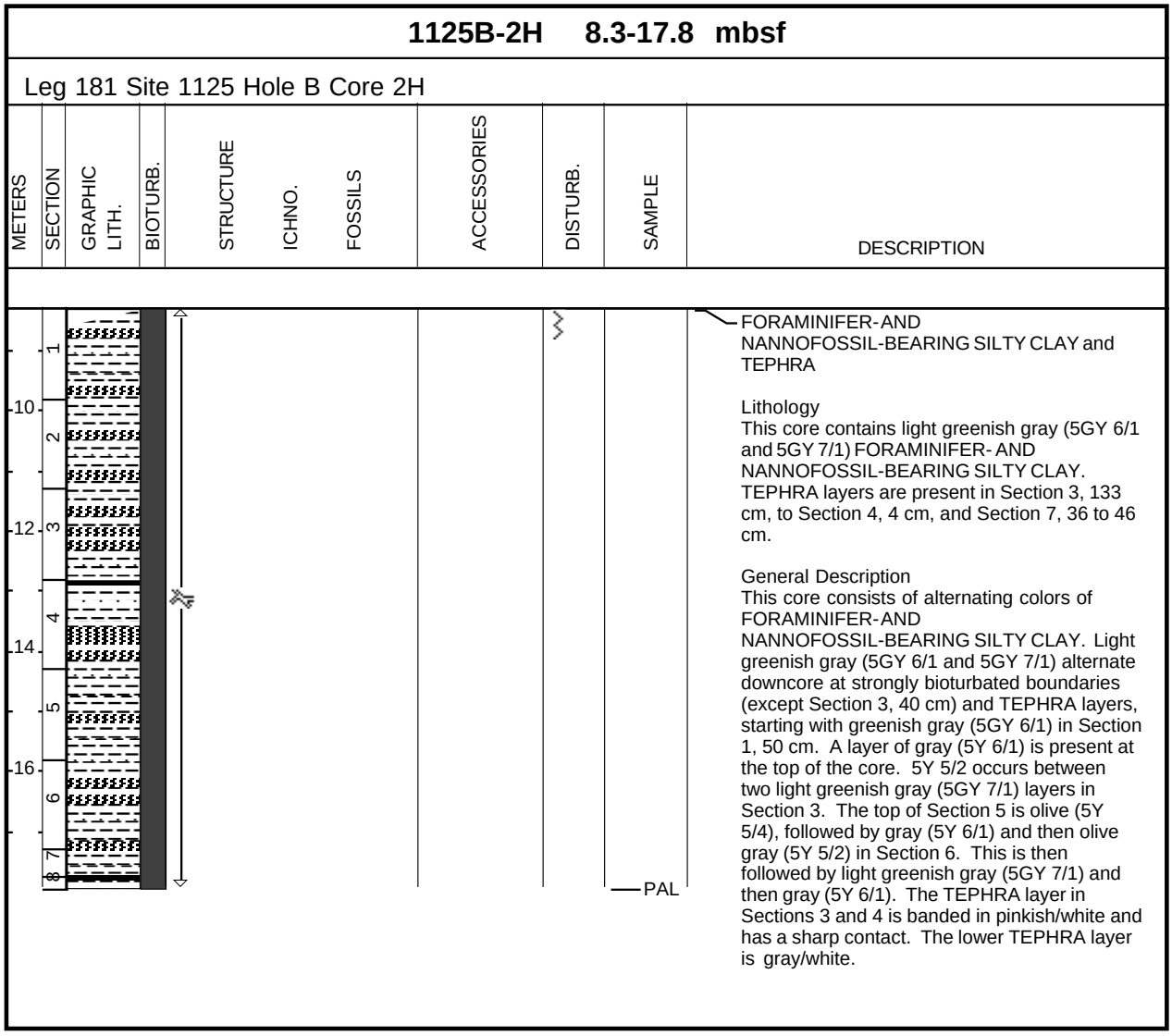
Core Photo


1125A-22H 194.3-203.5 mbsf
Leg 181 Site 1125 Hole A Core 22H
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
196
198
200
202
1
2
3
4
5
6
7
SS
PAL
NANNOFOSSIL-BEARING SILTY CLAY and TEPHRA
Lithology
This core is comprised of light greenish gray (5G 7/1 to 5GY 7/1) NANNOFOSSIL-BEARING SILTY CLAY.
General Description
The single lithology of NANNOFOSSIL-BEARING SILTY CLAY is fairly massive with subtle gradational color changes. Bioturbation is moderate and mottling is present throughout the core. Identified trace fossils include Chondrites and Planolites. A bioturbated TEPHRA layer is present in Section 2, 15 cm. The top 40 cm of Section 1 is disturbed.

Core Photo


1125B-1H 0-8.3 mbsf
Leg 181 Site 1125 Hole B Core 1H
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
SMP
PAL
FORAMINIFER-BEARING NANNOFOSSIL SILTY CLAY, FORAMINIFER- and NANNOFOSSIL-BEARING SILTY CLAY, NANNOFOSSIL AND FORAMINIFER SAND, PUMICE, and TEPHRA
Lithology
This core contains alternating layers of olive gray (5Y 5/2) FORAMINIFER- and NANNOFOSSIL-BEARING SILTY CLAY interbedded with light olive gray (5Y 6/2) FORAMINIFER-BEARING NANNOFOSSIL SILTY CLAY. Laminae and lenses of NANNOFOSSIL AND FORAMINIFER SAND are scattered throughout Sections 2 to 4.
General Description
Alternating layers of FORAMINIFER-BEARING NANNOFOSSIL SILTY CLAY and FORAMINIFER- and NANNOFOSSIL-BEARING SILTY CLAY have strongly bioturbated contacts containing well-defined and robust Thalassinoides and Skolithos. Bioturbation is common throughout the core and identifed trace fossils include Thalassinoides and Skolithos. A large, pinkish/white (5YR 8/1) TEPHRA layer is present at the bottom of Section 2 through the top of Section 3. A 2 centimeter diameter PUMICE clast is present in Section 5, 95 cm.

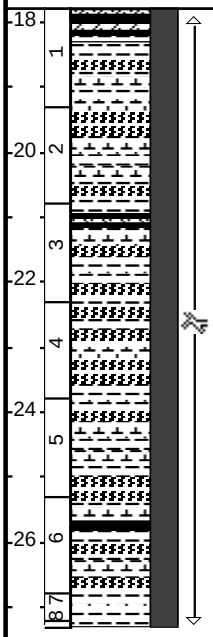
Core Photo


1125B-2H 8.3-17.8 mbsf
Leg 181 Site 1125 Hole B Core 2H
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
10
12
14
16
1
2
3
4
5
6
7
PAL
FORAMINIFER-AND NANNOFOSSIL-BEARING SILTY CLAY and TEPHRA
Lithology
This core contains light greenish gray (5GY 6/1 and 5GY 7/1) FORAMINIFER- AND NANNOFOSSIL-BEARING SILTY CLAY. TEPHRA layers are present in Section 3, 133 cm, to Section 4, 4 cm, and Section 7, 36 to 46 cm.
General Description
This core consists of alternating colors of FORAMINIFER-AND NANNOFOSSIL-BEARING SILTY CLAY. Light greenish gray (5GY 6/1 and 5GY 7/1) alternate downcore at strongly bioturbated boundaries (except Section 3, 40 cm) and TEPHRA layers, starting with greenish gray (5GY 6/1) in Section 1, 50 cm. A layer of gray (5Y 6/1) is present at the top of the core. 5Y 5/2 occurs between two light greenish gray (5GY 7/1) layers in Section 3. The top of Section 5 is olive (5Y 5/4), followed by gray (5Y 6/1) and then olive gray (5Y 5/2) in Section 6. This is then followed by light greenish gray (5GY 7/1) and then gray (5Y 6/1). The TEPHRA layer in Sections 3 and 4 is banded in pinkish/white and has a sharp contact. The lower TEPHRA layer is gray/white.

Core Photo

1125B-3H 17.8-27.3 mbsf

Leg 181 Site 1125 Hole B Core 3H



FORAMINIFER-BEARINGNANNOFOSSIL SILTY CLAY, FORAMINIFER- and NANNOFOSSIL-BEARING SILTY CLAY, and TEPHRA

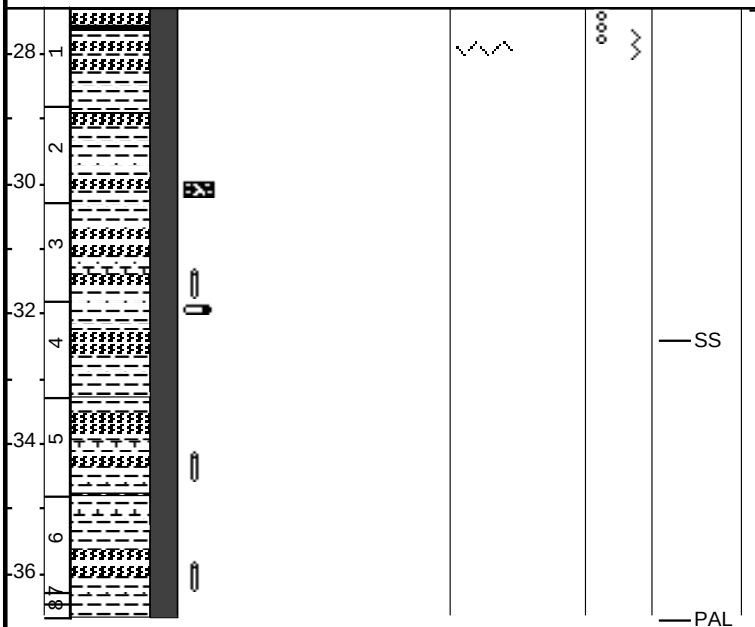
Lithology
This core contains greenish gray (5GY 6/1 to 5GY 7/1) FORAMINIFER-BEARING NANNOFOSSIL SILTY CLAY which alternates with light olive gray (5Y 6/2) FORAMINIFER- and NANNOFOSSIL-BEARING SILTY CLAY. Four TEPHRA layers are present in Section 1, 0 to 12 cm, 19 to 35 cm, Section 3, 19 to 32 cm, and in Section 6, 40 to 46 cm.

General Description
This core is composed of alternating layers of the main lithologies with strongly bioturbated contacts. Greenish gray (5GY 6/1) FORAMINIFER-BEARINGNANNOFOSSIL SILTY CLAY is present in Section 1, below the TEPHRA layer, and 90 cm to Section 2, 20 cm, Section 4, 55 to 100 cm, Section 5, 35 to 130 cm, Section 6, 0 to 40 cm, and 85 to 135 cm. Greenish gray (5GY 7/1) color is present in all the remaining FORAMINIFER-BEARING NANNOFOSSIL SILTY CLAY intervals. Chondrites and Thalassinoides are seen throughout the core. The TEPHRA layers make sharp contacts with the surrounding lithologies and a 1 cm diameter TEPHRA burrow is present in Section 5.

Core Photo

1125B-4H 27.3-36.8 mbsf

Leg 181 Site 1125 Hole B Core 4H



NANNOFOSSIL- and FORAMINIFER-BEARING SILTY CLAY, FORAMINIFER-BEARING NANNOFOSSIL SILTY CLAY, ASH-BEARING FORAMINIFER SILTY CLAY, and TEPHRA

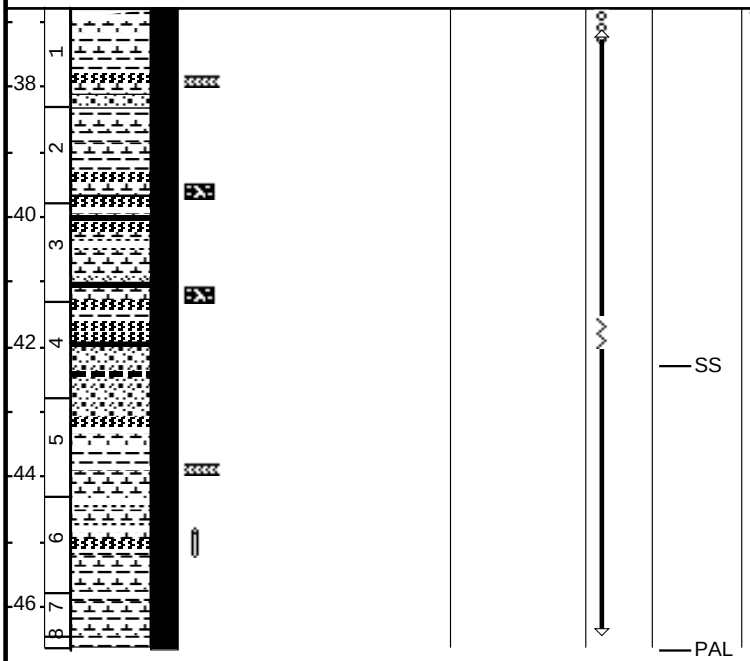
Lithology
This core contains light olive gray (5Y 6/2) NANNOFOSSIL- and FORAMINIFER-BEARING SILTY CLAY and greenish gray (5GY 7/1) FORAMINIFER-BEARING NANNOFOSSIL SILTY CLAY. Olive gray (5Y 6/2) ASH-BEARING FORAMINIFER SILTY CLAY is also present in this core. TEPHRA is present in Section 1, 17 to 30 cm (layer), 59 to 61 cm (bleb), and Section 2, 10 to 13 cm (very large bleb).

General Description
This core contains alternations of the main lithologies. Olive gray (5Y 6/2) ASH-BEARING FORAMINIFER SILTY CLAY is present in Section 2, 13 to 25 cm, 110 cm to Section 3, 50 cm, 70 to 120 cm, Section 4, 50 to 60 cm, 70 to 75 cm, Section 5, 0 to 100 cm (olive [5Y 5/3] from 30 to 50 cm), and is combined with light greenish gray (5GY 7/1) at the top of Section 6. Bioturbation and mottling is common, and the boundaries are thoroughly biotubated. The TEPHRA is gray (5Y 6/1) in color, and has a sharp base with a gradational top contact.

Core Photo

1125B-5H 36.8-46.3 mbsf

Leg 181 Site 1125 Hole B Core 5H



FORAMINIFER-BEARING CLAYEY NANNOFOSSIL OOZE, FORAMINIFER-BEARING NANNOFOSSIL SILTY CLAY, FORAMINIFER-BEARING SILTY SAND, and TEPHRA

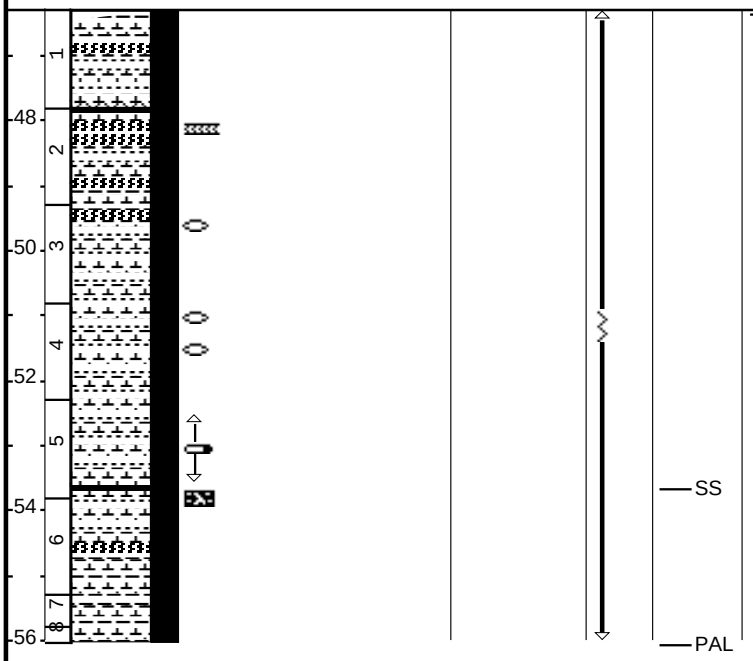
Lithology
This core contains light gray (5Y 7/1) FORAMINIFER-BEARING CLAYEY NANNOFOSSIL OOZE which alternates with light olive gray (5Y 6/2) FORAMINIFER-BEARING NANNOFOSSIL SILTY CLAY and FORAMINIFER-BEARING SILTY SAND. TEPHRA layers are present in Section 2, 133 to 138.5 cm (disturbed), Section 3, 15.5 to 20.5 cm, 109 to 123 cm, Section 4, 58.5 to 65.5 cm).

General Description
This core is comprised of alternations of the major lithologies, separated primarily by bioturbational boundaries (there is an extended mottled boundary present between the sediment in Sections 1 and 2). The sediment is heavily bioturbated, with Chondrites, Zoophycos, and Skolithos present. The FORAMINIFER-BEARING SILTY SAND beds contain glauconite. The TEPHRA have sharp bases and are normally graded.

Core Photo

1125B-6H 46.3-55.8 mbsf

Leg 181 Site 1125 Hole B Core 6H



FORAMINIFER-BEARING CLAYEY NANNOFOSSIL OOZE, FORAMINIFER-BEARING NANNOFOSSIL SILTY CLAY, SAND, and TEPHRA

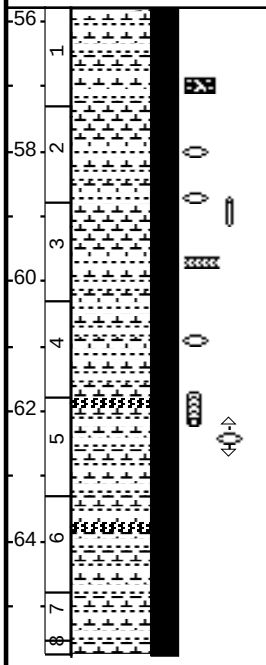
Lithology
This core contains light gray (5Y 7/1) FORAMINIFER-BEARING CLAYEY NANNOFOSSIL OOZE which alternates with light olive gray (5Y 6/2) FORAMINIFER-BEARING NANNOFOSSIL SILTY CLAY. TEPHRA layers are present in Section 1, 141.5 to 150 cm, and in Section 5, 129.5 to 135 cm.

General Description
This core is composed of alternations of the main lithologies at bioturbational contacts. The sediment is heavily bioturbated and Planolites, Chondrites, Skolithos, and Zoophycos are present. There are local zones of lenticular, glauconitic SAND beds; SAND-filled burrows are also present.

Core Photo

1125B-7H 55.8-65.3 mbsf

Leg 181 Site 1125 Hole B Core 7H



FORAMINIFER-BEARING NANNOFOSSIL SILTY CLAY, FORAMINIFER-BEARING SILTY SAND, SAND, and FORAMINIFER-BEARING CLAYEY NANNOFOSSIL OOZE

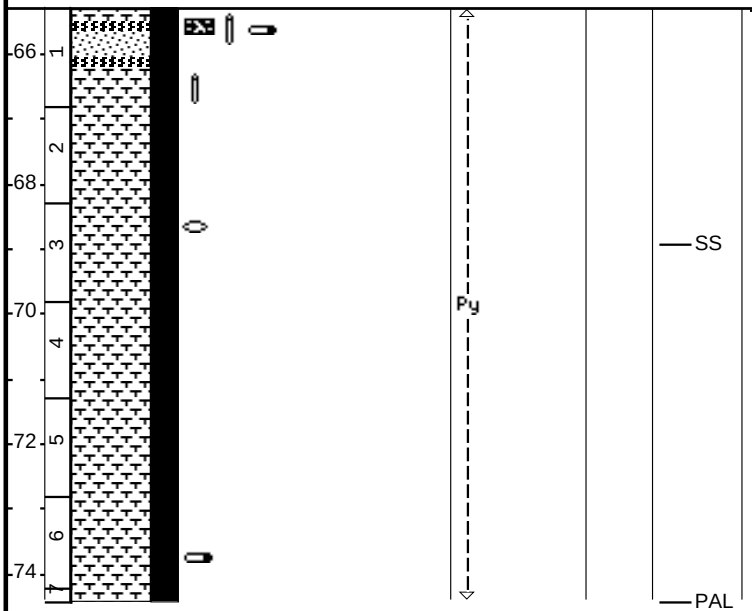
Lithology
This core contains interbeds of light olive gray (5Y 6/2) FORAMINIFER-BEARING NANNOFOSSIL SILTY CLAY and FORAMINIFER-BEARING SILTY SAND with light gray (5Y 7/2 to 5Y 7/1) FORAMINIFER-BEARING CLAYEY NANNOFOSSIL OOZE.

General Description
Alternations of the main lithologies occur at gradational contacts. Light gray (5Y 7/2) FORAMINIFER-BEARING CLAYEY NANNOFOSSIL OOZE is present in Section 2, 20 cm, through Section 3, 40 cm, while the light gray (5Y 7/1) color is present in Section 5. The remainder of the core is composed of light olive gray (5Y 6/2) FORAMINIFER-BEARING NANNOFOSSIL SILTY CLAY and FORAMINIFER-BEARING SILTY SAND. The color differences between the beds are difficult to discern. The lighter beds have layers and lenses of glauconite-bearing SAND (especially in Sections 2 and 5). The sediment is heavily bioturbated with Chondrites, Zoophycos, Skolithos, and Teichichnus. Burrows are sometimes SAND-filled.

Core Photo

1125B-8H 65.3-74.8 mbsf

Leg 181 Site 1125 Hole B Core 8H



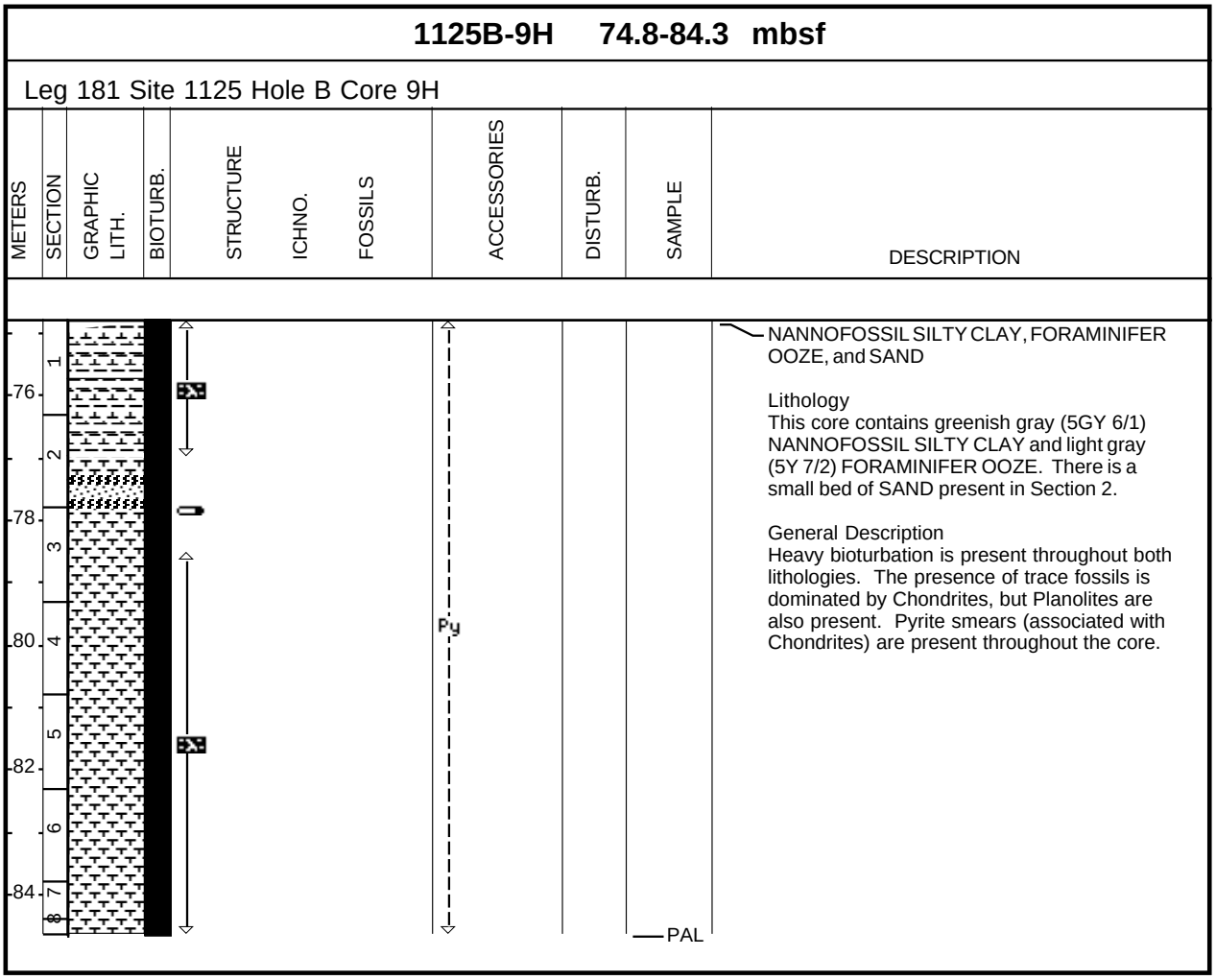
DESCRIPTION

FORAMINIFER OOZE and SAND

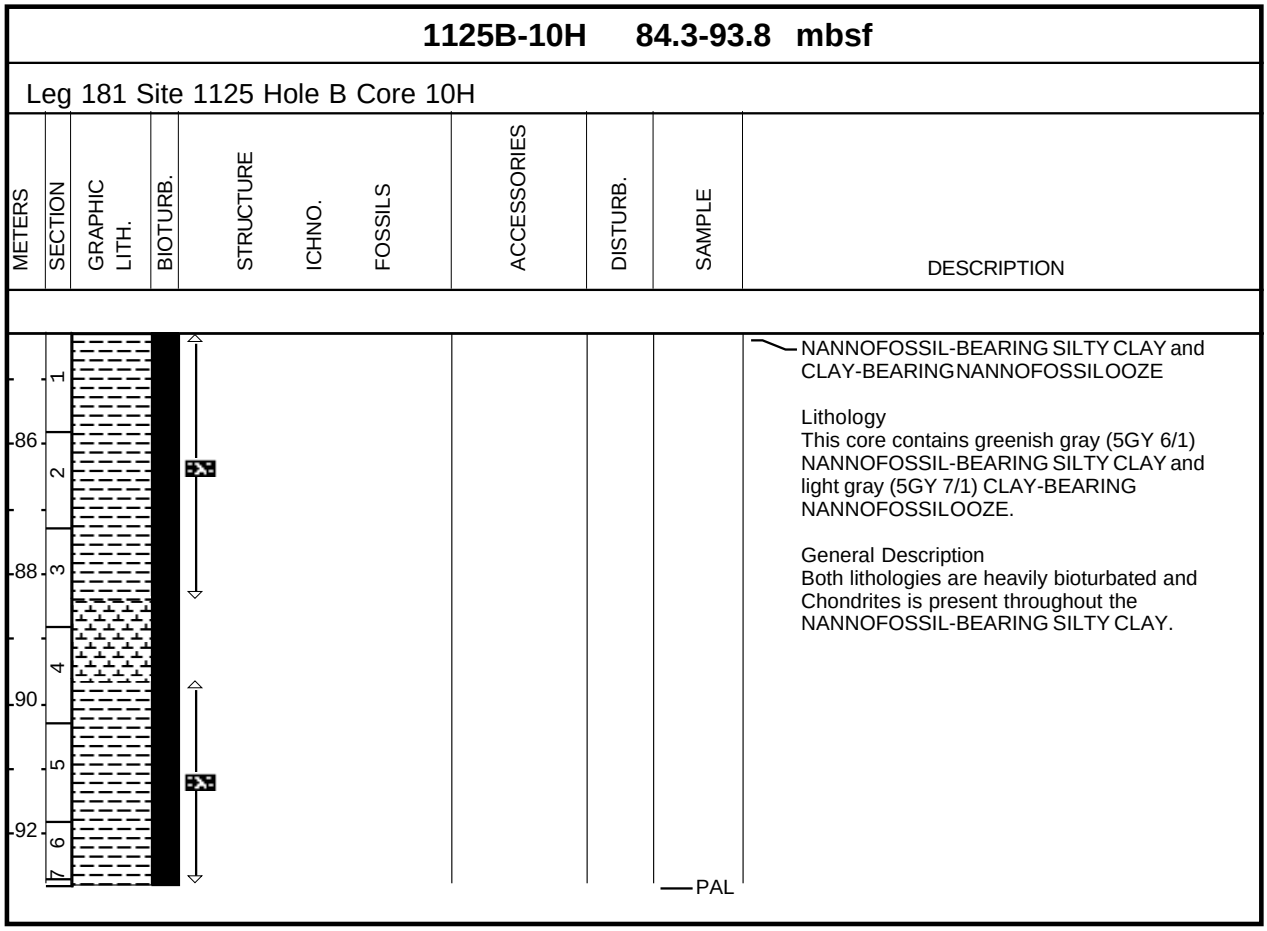
Lithology
This core contains mostly light gray (5Y 7/2) FORAMINIFER OOZE and one SAND bed (Section 1).

General Description
The light gray (5Y 7/2) FORAMINIFER OOZE is heavily bioturbated, and, where evident, Chondrites, Skolithos, Planolites, are present, but the lack of color differences masks the trace fossils. Small pyrite smears are present throughout the core.

Core Photo


1125B-9H 74.8-84.3 mbsf
Leg 181 Site 1125 Hole B Core 9H
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
76
78
80
82
84
1
2
3
4
5
6
7
Py
PAL
NANNOFOSSIL SILTY CLAY, FORAMINIFER OOZE, and SAND
Lithology
This core contains greenish gray (5GY 6/1) NANNOFOSSIL SILTY CLAY and light gray (5Y 7/2) FORAMINIFER OOZE. There is a small bed of SAND present in Section 2.
General Description
Heavy bioturbation is present throughout both lithologies. The presence of trace fossils is dominated by Chondrites, but Planolites are also present. Pyrite smears (associated with Chondrites) are present throughout the core.

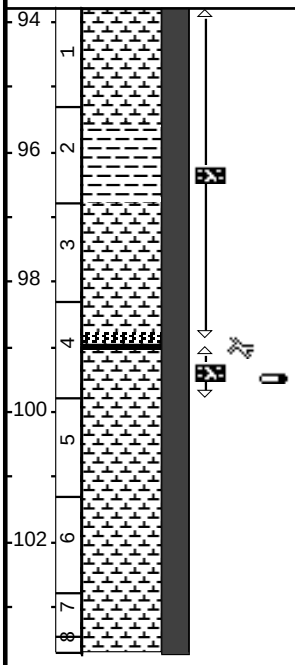
Core Photo


1125B-10H 84.3-93.8 mbsf
Leg 181 Site 1125 Hole B Core 10H
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
86
88
90
92
1
2
3
4
5
6
7
PAL
NANNOFOSSIL-BEARING SILTY CLAY and CLAY-BEARING NANNOFOSSIL OOZE
Lithology
This core contains greenish gray (5GY 6/1) NANNOFOSSIL-BEARING SILTY CLAY and light gray (5GY 7/1) CLAY-BEARING NANNOFOSSIL OOZE.
General Description
Both lithologies are heavily bioturbated and Chondrites is present throughout the NANNOFOSSIL-BEARING SILTY CLAY.

Core Photo

1125B-11H 93.8-103.3 mbsf

Leg 181 Site 1125 Hole B Core 11H



CLAY-BEARING NANNOFOSSIL OOZE, NANNOFOSSIL-BEARING SILTY CLAY, and TEPHRA

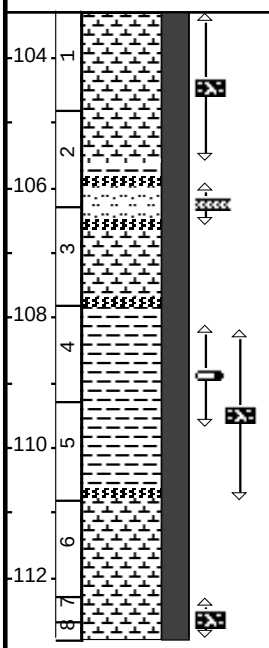
Lithology
This core contains light gray (5GY 7/1) CLAY-BEARING NANNOFOSSIL OOZE and greenish gray (5GY 6/1) NANNOFOSSIL-BEARING SILTY CLAY. A TEPHRA layer is present in Section 4, 60 to 69 cm.

General Description
This core contains primarily light gray (5GY 7/1) CLAY-BEARING NANNOFOSSIL OOZE with one bed of greenish gray (5GY 6/1) NANNOFOSSIL-BEARING SILTY CLAY in Section 2. The TEPHRA layer has a sharp base and bioturbated top contact. Below that are TEPHRA-filled Thalassinoides burrows. Bioturbation is common throughout the core and is dominated by the presence of Chondrites as well as some Planolites.

Core Photo

1125B-12H 103.3-112.8 mbsf

Leg 181 Site 1125 Hole B Core 12H

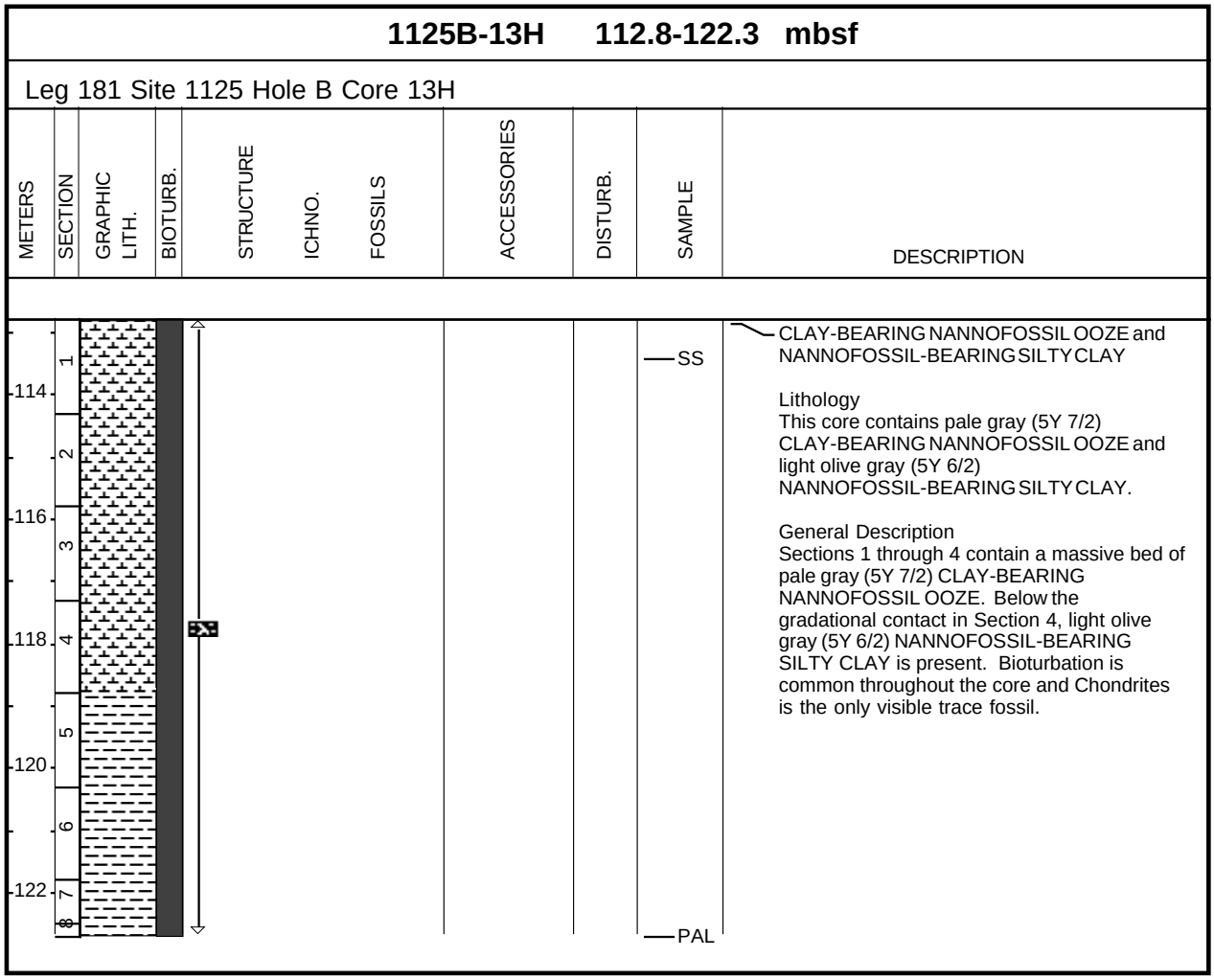


CLAY-BEARING NANNOFOSSIL OOZE, NANNOFOSSIL-BEARING SILTY CLAY, and SANDY SILT

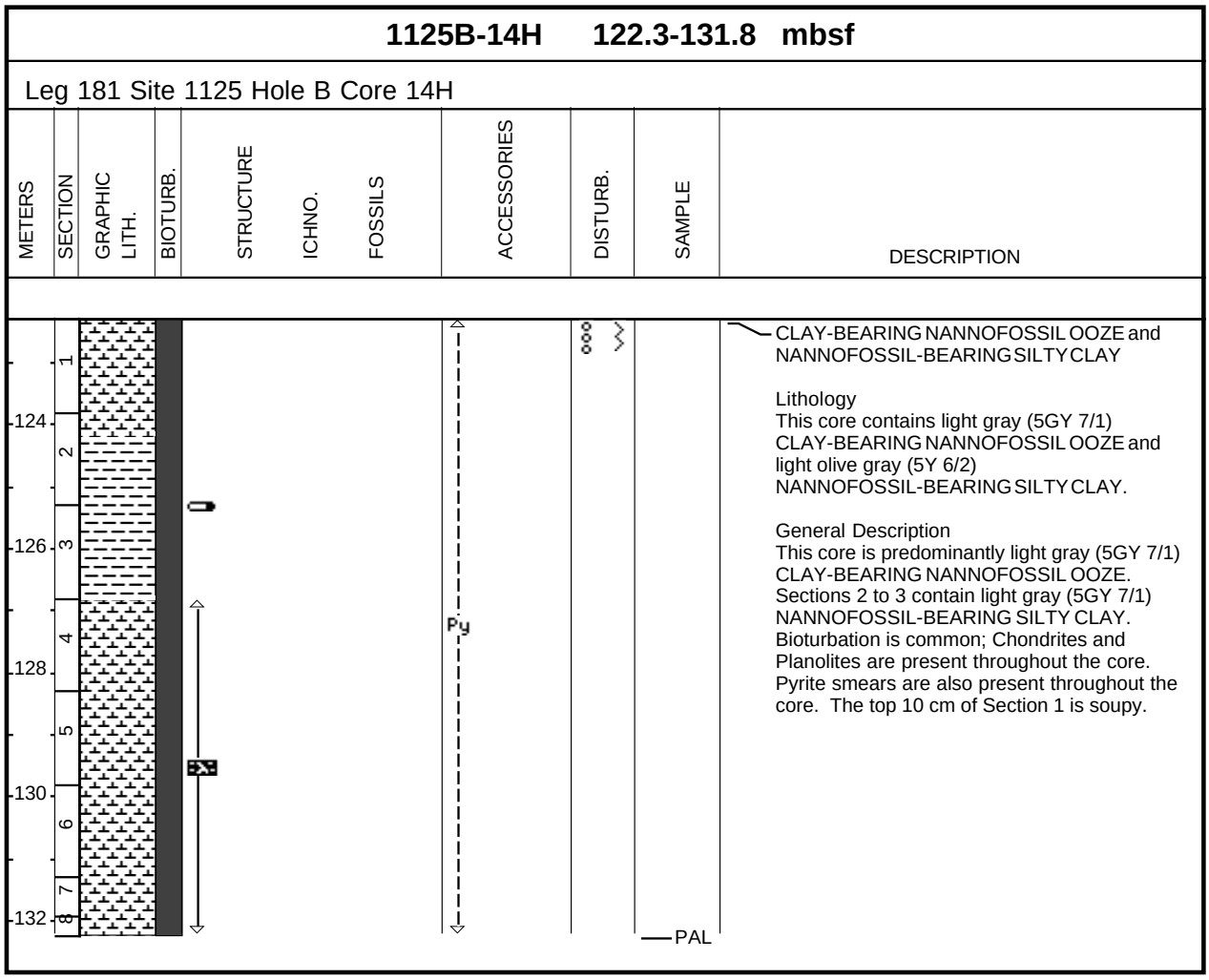
Lithology
This core consists of alternations of light gray (5GY 7/1) CLAY-BEARING NANNOFOSSIL OOZE with greenish gray (5GY 6/1) NANNOFOSSIL-BEARING SILTY CLAY. There is a SANDY SILT layer present in Sections 2 to 3.

General Description
This core is comprised primarily of light gray (5GY 7/1) CLAY-BEARING NANNOFOSSIL OOZE. The sediment is commonly bioturbated and trace fossils include Chondrites and Planolites. The SANDY SILT layer contains TEPHRA and glauconite in smear slide (common).

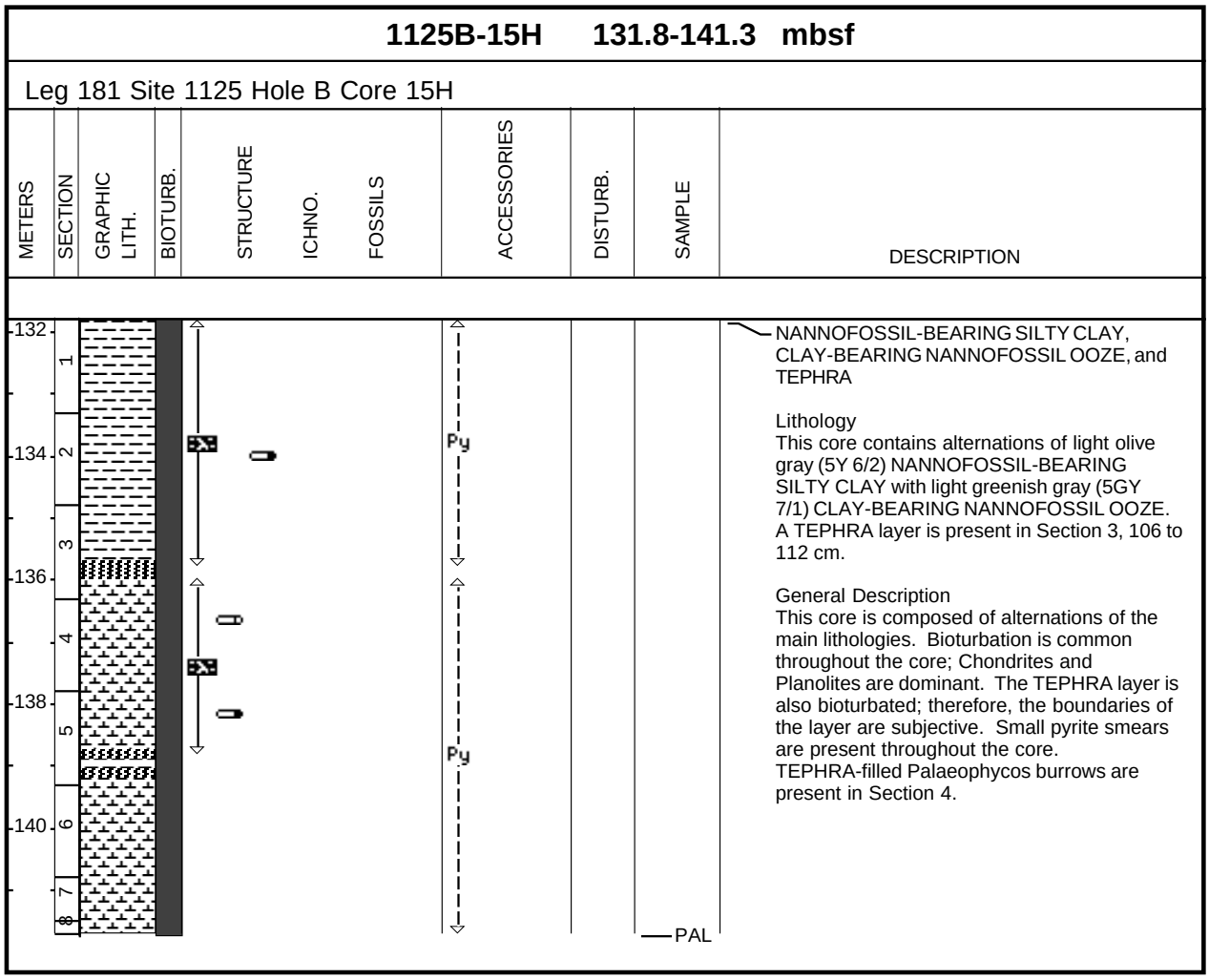
Core Photo


1125B-13H 112.8-122.3 mbsf
Leg 181 Site 1125 Hole B Core 13H
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
114
116
118
120
122
1
2
3
4
5
6
7
SS
PAL
CLAY-BEARING NANNOFOSSIL OOZE and NANNOFOSSIL-BEARING SILTY CLAY
Lithology
This core contains pale gray (5Y 7/2) CLAY-BEARING NANNOFOSSIL OOZE and light olive gray (5Y 6/2) NANNOFOSSIL-BEARING SILTY CLAY.
General Description
Sections 1 through 4 contain a massive bed of pale gray (5Y 7/2) CLAY-BEARING NANNOFOSSIL OOZE. Below the gradational contact in Section 4, light olive gray (5Y 6/2) NANNOFOSSIL-BEARING SILTY CLAY is present. Bioturbation is common throughout the core and Chondrites is the only visible trace fossil.

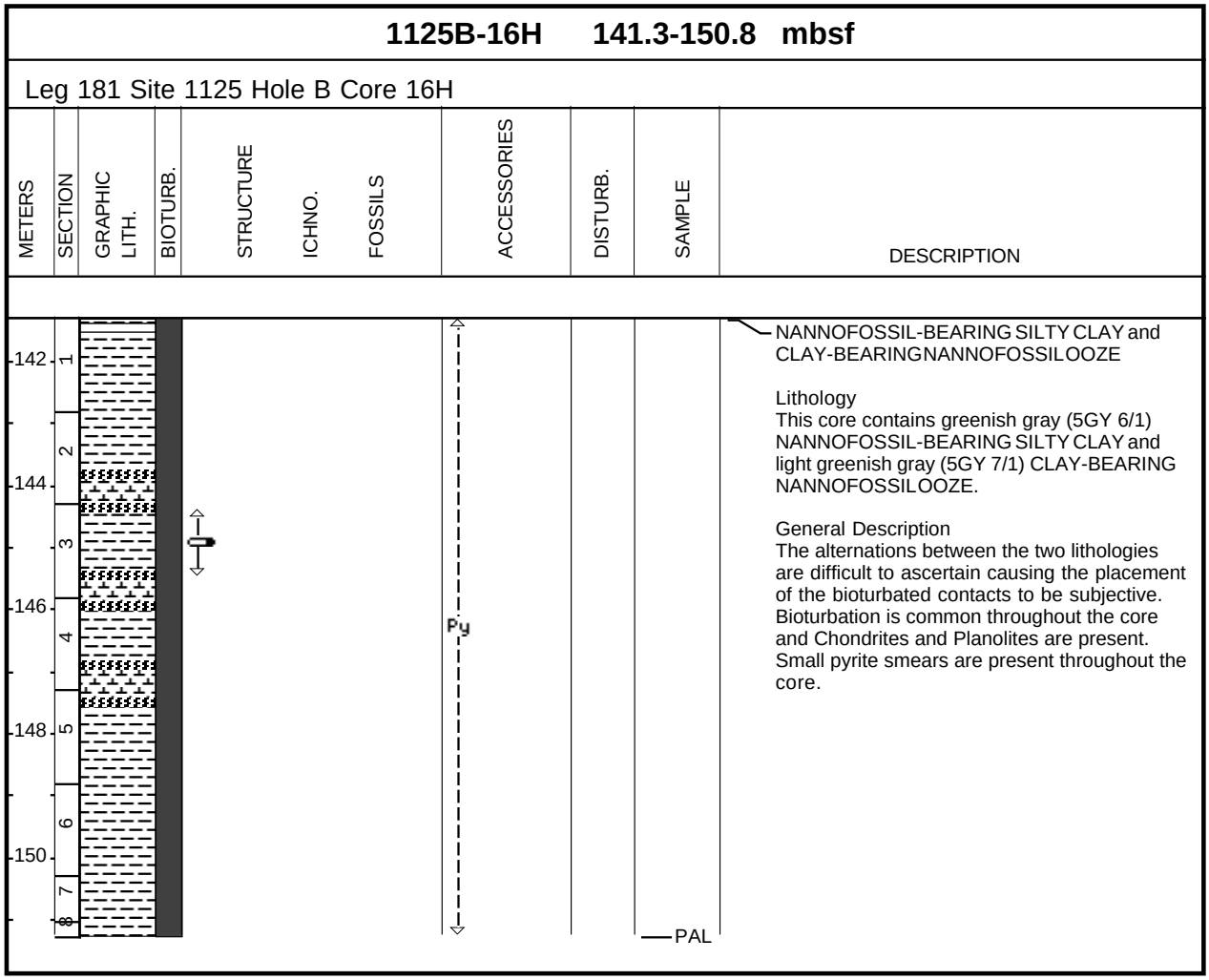
Core Photo


1125B-14H 122.3-131.8 mbsf
Leg 181 Site 1125 Hole B Core 14H
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
124
126
128
130
132
1
2
3
4
5
6
7
Py
PAL
CLAY-BEARING NANNOFOSSIL OOZE and NANNOFOSSIL-BEARING SILTY CLAY
Lithology
This core contains light gray (5GY 7/1) CLAY-BEARING NANNOFOSSIL OOZE and light olive gray (5Y 6/2) NANNOFOSSIL-BEARING SILTY CLAY.
General Description
This core is predominantly light gray (5GY 7/1) CLAY-BEARING NANNOFOSSIL OOZE. Sections 2 to 3 contain light gray (5GY 7/1) NANNOFOSSIL-BEARING SILTY CLAY. Bioturbation is common; Chondrites and Planolites are present throughout the core. Pyrite smears are also present throughout the core. The top 10 cm of Section 1 is soupy.

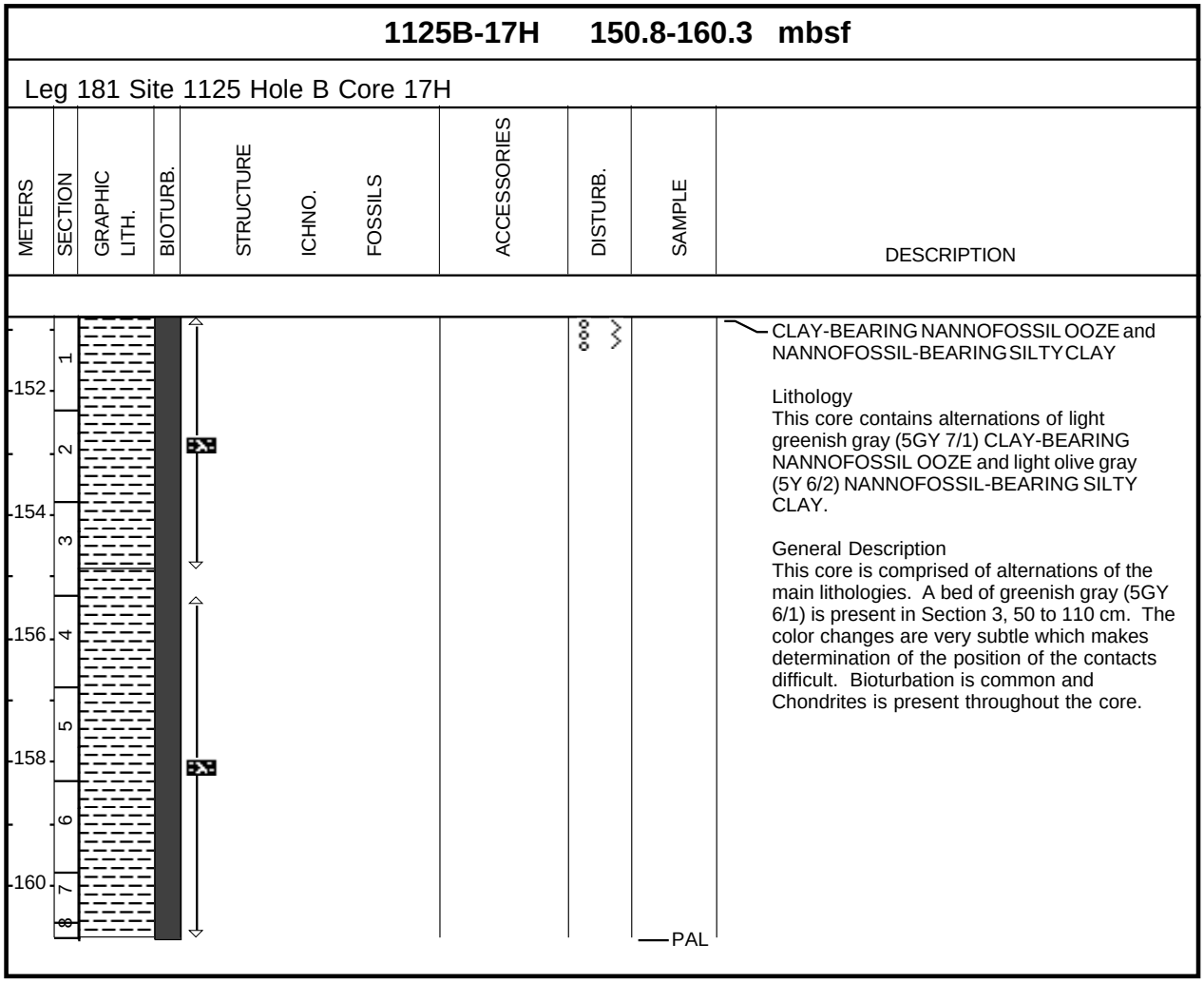
Core Photo


1125B-15H 131.8-141.3 mbsf
Leg 181 Site 1125 Hole B Core 15H
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
132
134
136
138
140
1
2
3
4
5
6
7
Py
Py
PAL
NANNOFOSSIL-BEARING SILTY CLAY, CLAY-BEARING NANNOFOSSIL OOZE, and TEPHRA
Lithology
This core contains alternations of light olive gray (5Y 6/2) NANNOFOSSIL-BEARING SILTY CLAY with light greenish gray (5GY 7/1) CLAY-BEARING NANNOFOSSIL OOZE. A TEPHRA layer is present in Section 3, 106 to 112 cm.
General Description
This core is composed of alternations of the main lithologies. Bioturbation is common throughout the core; Chondrites and Planolites are dominant. The TEPHRA layer is also bioturbated; therefore, the boundaries of the layer are subjective. Small pyrite smears are present throughout the core. TEPHRA-filled Palaeophycos burrows are present in Section 4.

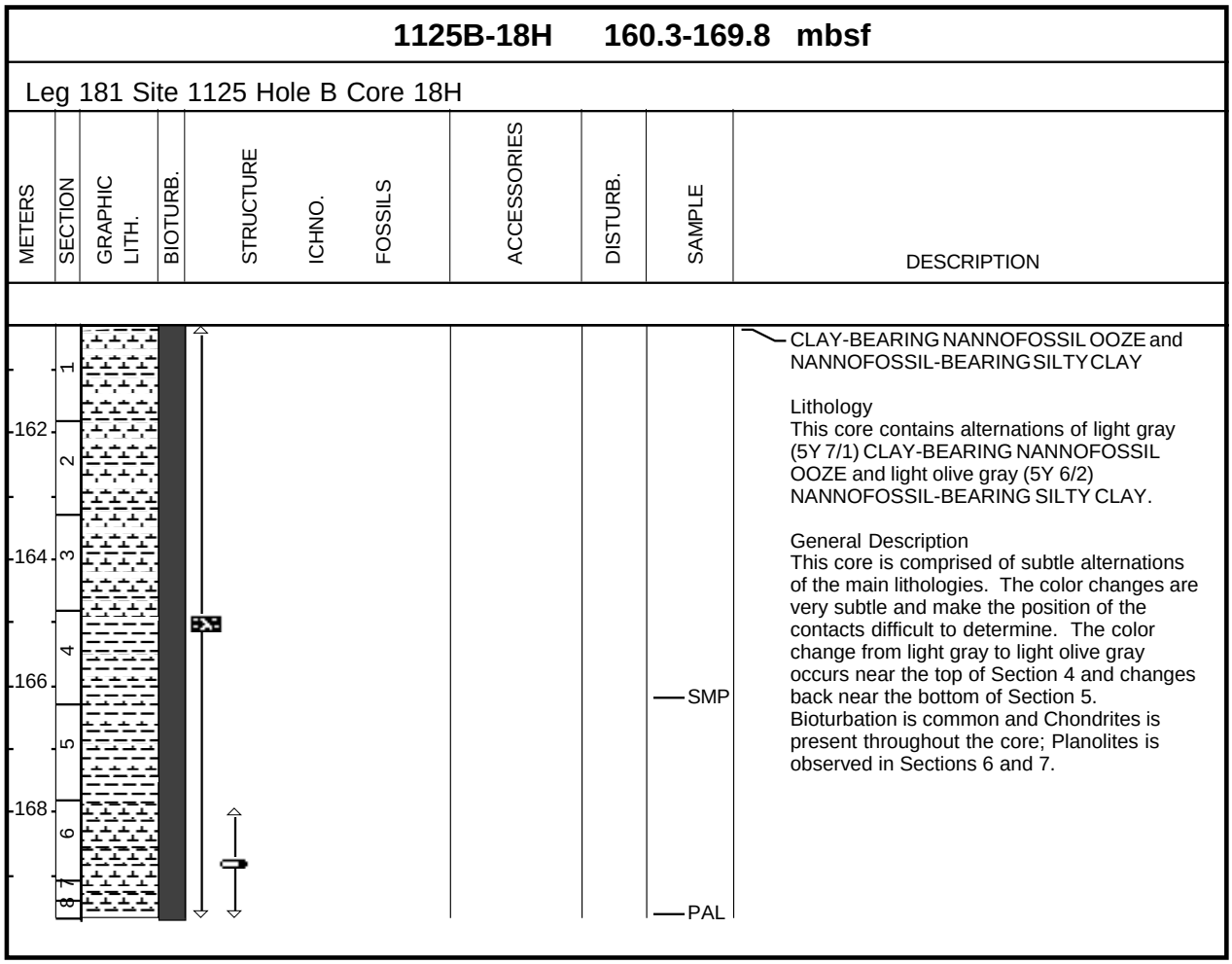
Core Photo


1125B-16H 141.3-150.8 mbsf
Leg 181 Site 1125 Hole B Core 16H
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
142
144
146
148
150
1
2
3
4
5
6
7
Py
PAL
NANNOFOSSIL-BEARING SILTY CLAY and CLAY-BEARING NANNOFOSSIL OOZE
Lithology
This core contains greenish gray (5GY 6/1) NANNOFOSSIL-BEARING SILTY CLAY and light greenish gray (5GY 7/1) CLAY-BEARING NANNOFOSSIL OOZE.
General Description
The alternations between the two lithologies are difficult to ascertain causing the placement of the bioturbated contacts to be subjective. Bioturbation is common throughout the core and Chondrites and Planolites are present. Small pyrite smears are present throughout the core.

Core Photo


1125B-17H 150.8-160.3 mbsf
Leg 181 Site 1125 Hole B Core 17H
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
152
154
156
158
160
1
2
3
4
5
6
7
8
PAL
CLAY-BEARING NANNOFOSSIL OOZE and NANNOFOSSIL-BEARING SILTY CLAY
Lithology
This core contains alternations of light greenish gray (5GY 7/1) CLAY-BEARING NANNOFOSSIL OOZE and light olive gray (5Y 6/2) NANNOFOSSIL-BEARING SILTY CLAY.
General Description
This core is comprised of alternations of the main lithologies. A bed of greenish gray (5GY 6/1) is present in Section 3, 50 to 110 cm. The color changes are very subtle which makes determination of the position of the contacts difficult. Bioturbation is common and Chondrites is present throughout the core.

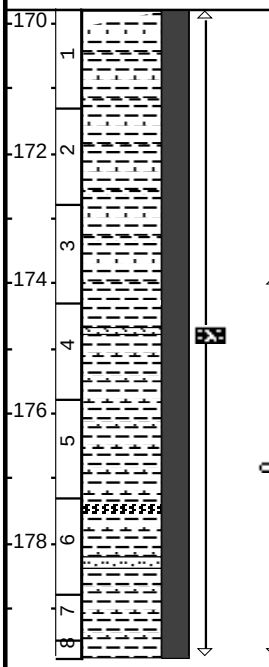
Core Photo


1125B-18H 160.3-169.8 mbsf
Leg 181 Site 1125 Hole B Core 18H
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
162
164
166
168
1
2
3
4
5
6
7
SMP
PAL
CLAY-BEARING NANNOFOSSIL OOZE and NANNOFOSSIL-BEARING SILTY CLAY
Lithology
This core contains alternations of light gray (5Y 7/1) CLAY-BEARING NANNOFOSSIL OOZE and light olive gray (5Y 6/2) NANNOFOSSIL-BEARING SILTY CLAY.
General Description
This core is comprised of subtle alternations of the main lithologies. The color changes are very subtle and make the position of the contacts difficult to determine. The color change from light gray to light olive gray occurs near the top of Section 4 and changes back near the bottom of Section 5. Bioturbation is common and Chondrites is present throughout the core; Planolites is observed in Sections 6 and 7.

Core Photo

1125B-19H 169.8-179.3 mbsf

Leg 181 Site 1125 Hole B Core 19H

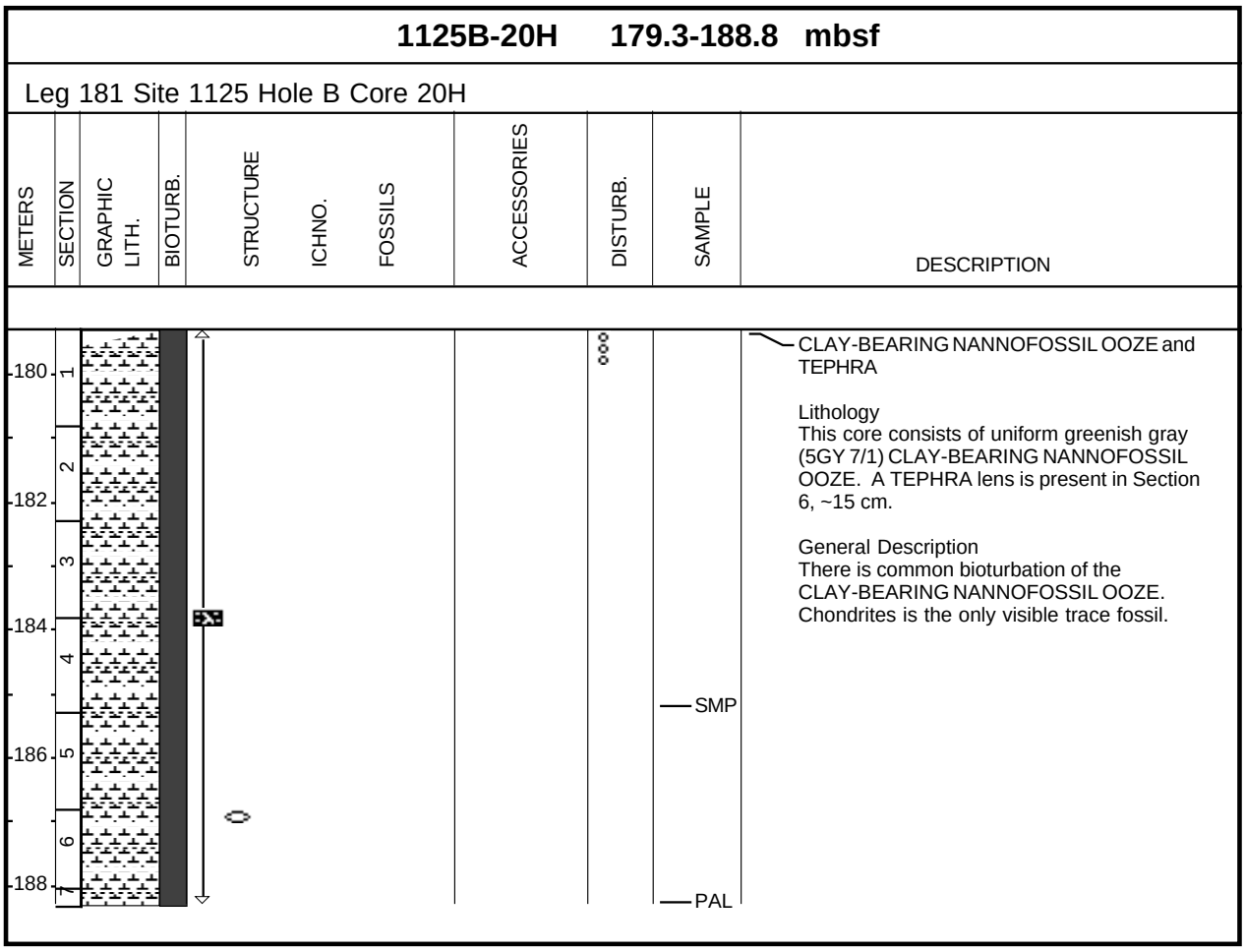


NANNOFOSSIL-BEARING SILTY CLAY, SANDY SILT, and TEPHRA

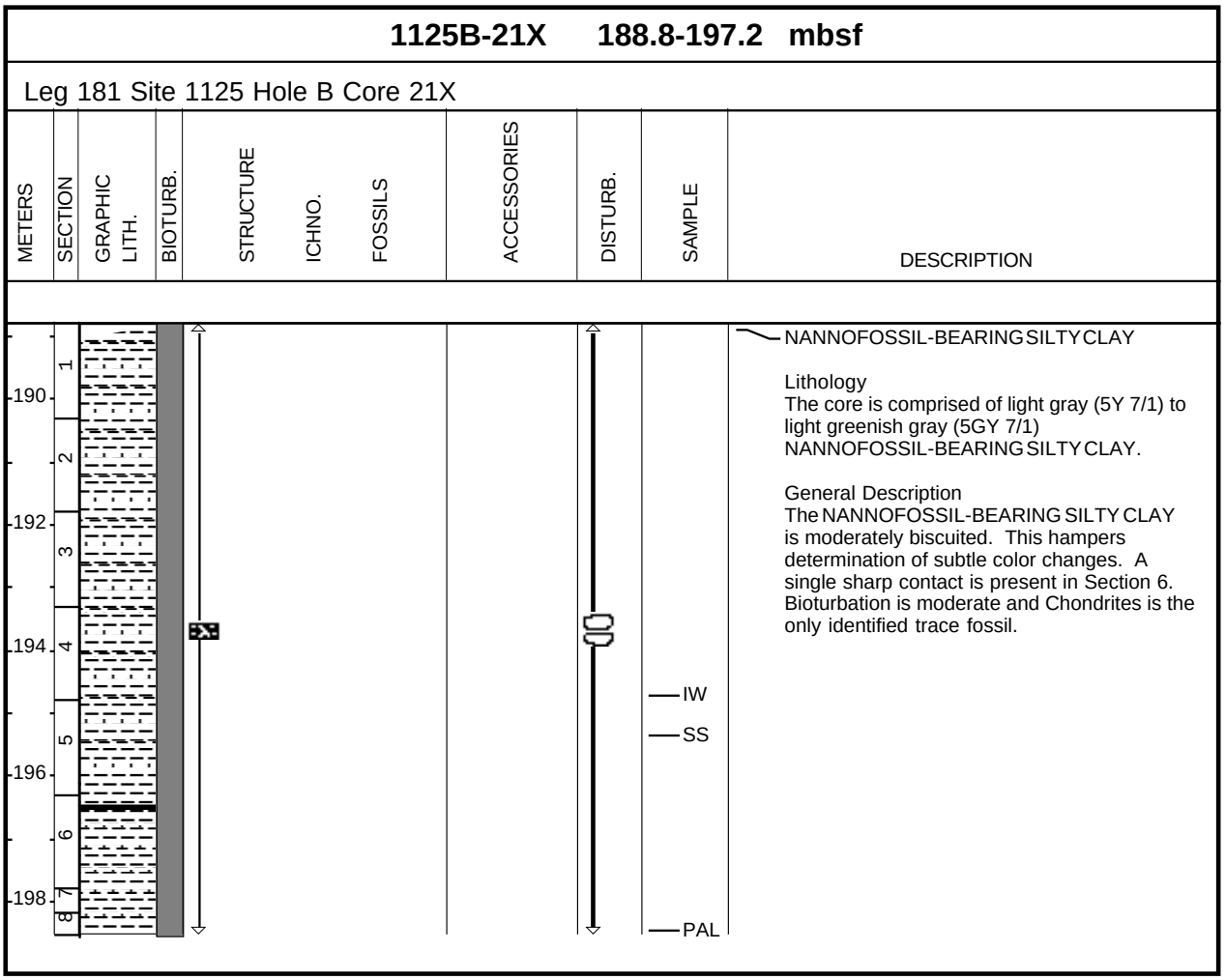
Lithology
The core is comprised mainly of light olive gray (5Y 6/2 to 5Y 6/3) NANNOFOSSIL-BEARING SILTY CLAY. A TEPHRA layer is present in Section 4, 40 to 50 cm.

General Description
The TEPHRA layer in Section 4 has a sharp base and bioturbated top. Planolites filled with TEPHRA are present above this layer. Bioturbation is common throughout the core and trace fossils include Chondrites and Planolites. A SANDY SILT bed also containing TEPHRA is present in Section 6.

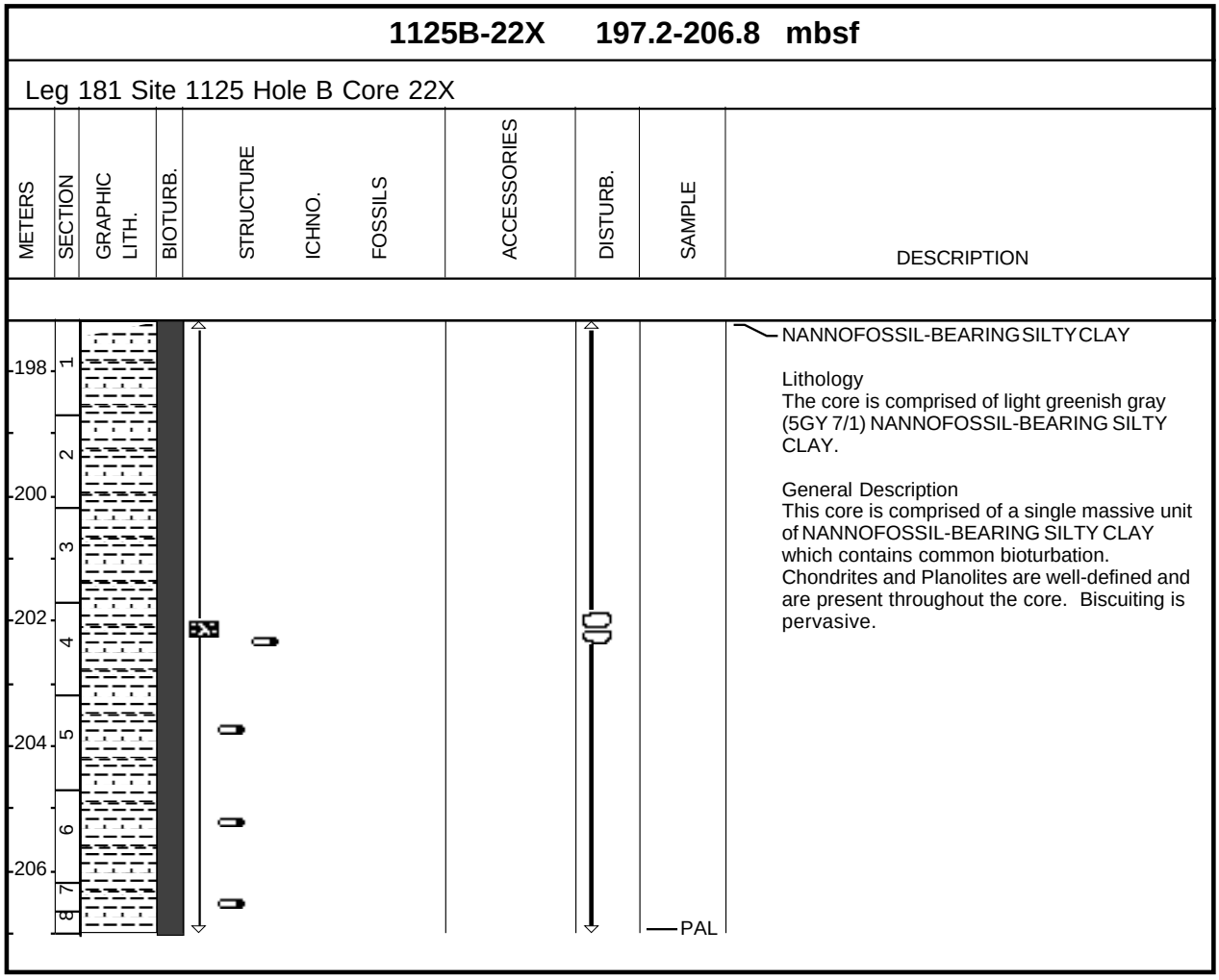
Core Photo


1125B-20H 179.3-188.8 mbsf
Leg 181 Site 1125 Hole B Core 20H
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
180
182
184
186
188
1
2
3
4
5
6
7
SMP
PAL
CLAY-BEARING NANNOFOSSIL OOZE and TEPHRA
Lithology
This core consists of uniform greenish gray (5GY 7/1) CLAY-BEARING NANNOFOSSIL OOZE. A TEPHRA lens is present in Section 6, ~15 cm.
General Description
There is common bioturbation of the CLAY-BEARING NANNOFOSSIL OOZE. Chondrites is the only visible trace fossil.

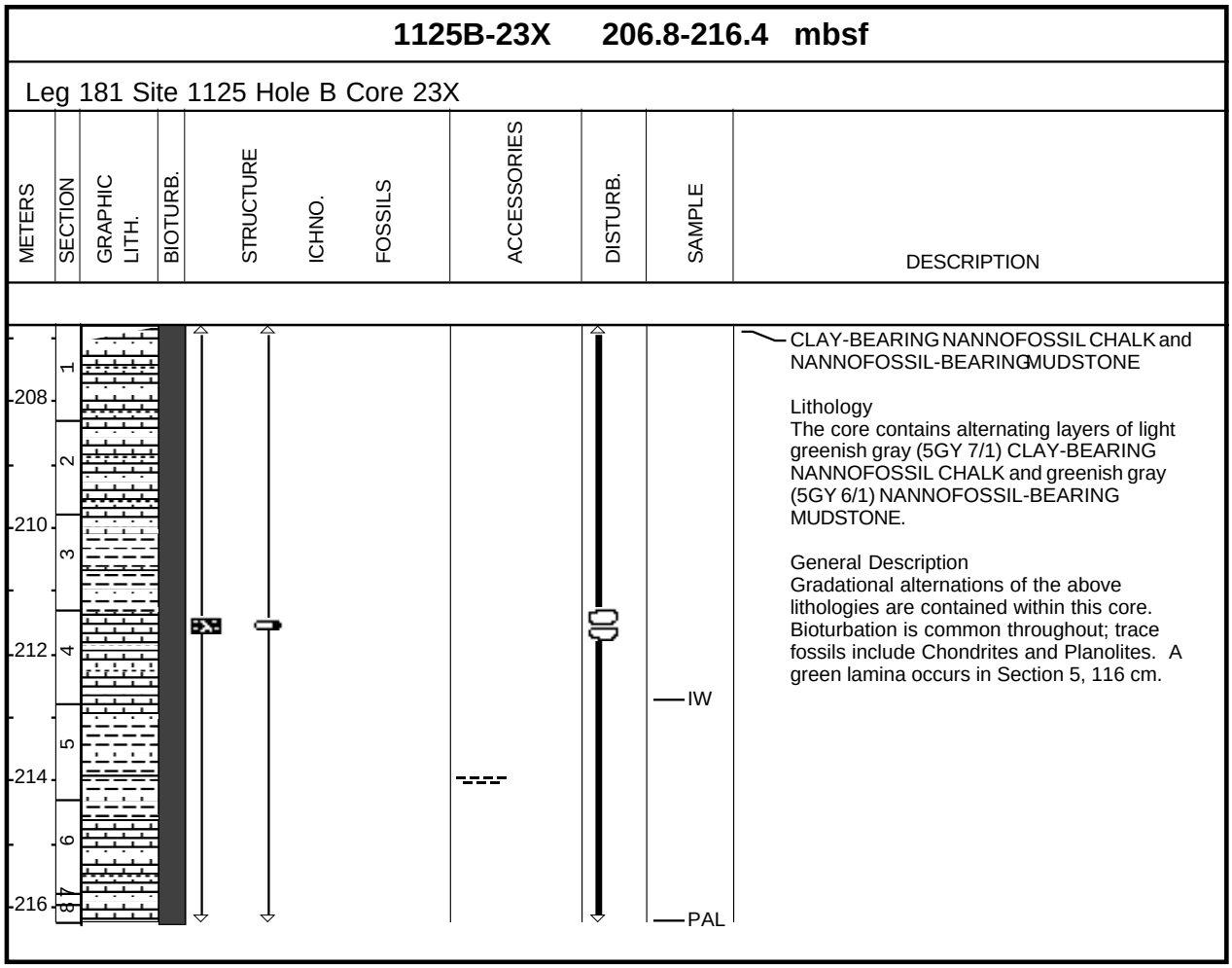
Core Photo


1125B-21X 188.8-197.2 mbsf
Leg 181 Site 1125 Hole B Core 21X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
190
192
194
196
198
1
2
3
4
5
6
7
IW
SS
PAL
NANNOFOSSIL-BEARING SILTY CLAY
Lithology
The core is comprised of light gray (5Y 7/1) to light greenish gray (5GY 7/1) NANNOFOSSIL-BEARING SILTY CLAY.
General Description
The NANNOFOSSIL-BEARING SILTY CLAY is moderately biscuited. This hampers determination of subtle color changes. A single sharp contact is present in Section 6. Bioturbation is moderate and Chondrites is the only identified trace fossil.

Core Photo


1125B-22X 197.2-206.8 mbsf
Leg 181 Site 1125 Hole B Core 22X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
198
200
202
204
206
1
2
3
4
5
6
7
8
PAL
NANNOFOSSIL-BEARING SILTY CLAY
Lithology
The core is comprised of light greenish gray (5GY 7/1) NANNOFOSSIL-BEARING SILTY CLAY.
General Description
This core is comprised of a single massive unit of NANNOFOSSIL-BEARING SILTY CLAY which contains common bioturbation. Chondrites and Planolites are well-defined and are present throughout the core. Biscuiting is pervasive.

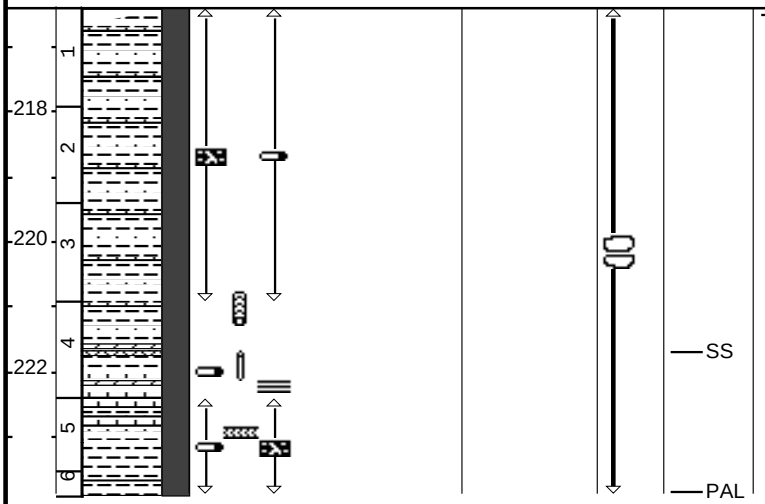
Core Photo


1125B-23X 206.8-216.4 mbsf
Leg 181 Site 1125 Hole B Core 23X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
208
210
212
214
216
1
2
3
4
5
6
7
CC
IW
PAL
CLAY-BEARING NANNOFOSSIL CHALK and NANNOFOSSIL-BEARING MUDSTONE
Lithology
The core contains alternating layers of light greenish gray (5GY 7/1) CLAY-BEARING NANNOFOSSIL CHALK and greenish gray (5GY 6/1) NANNOFOSSIL-BEARING MUDSTONE.
General Description
Gradational alternations of the above lithologies are contained within this core. Bioturbation is common throughout; trace fossils include Chondrites and Planolites. A green lamina occurs in Section 5, 116 cm.

Core Photo

1125B-24X 216.4-226.0 mbsf

Leg 181 Site 1125 Hole B Core 24X

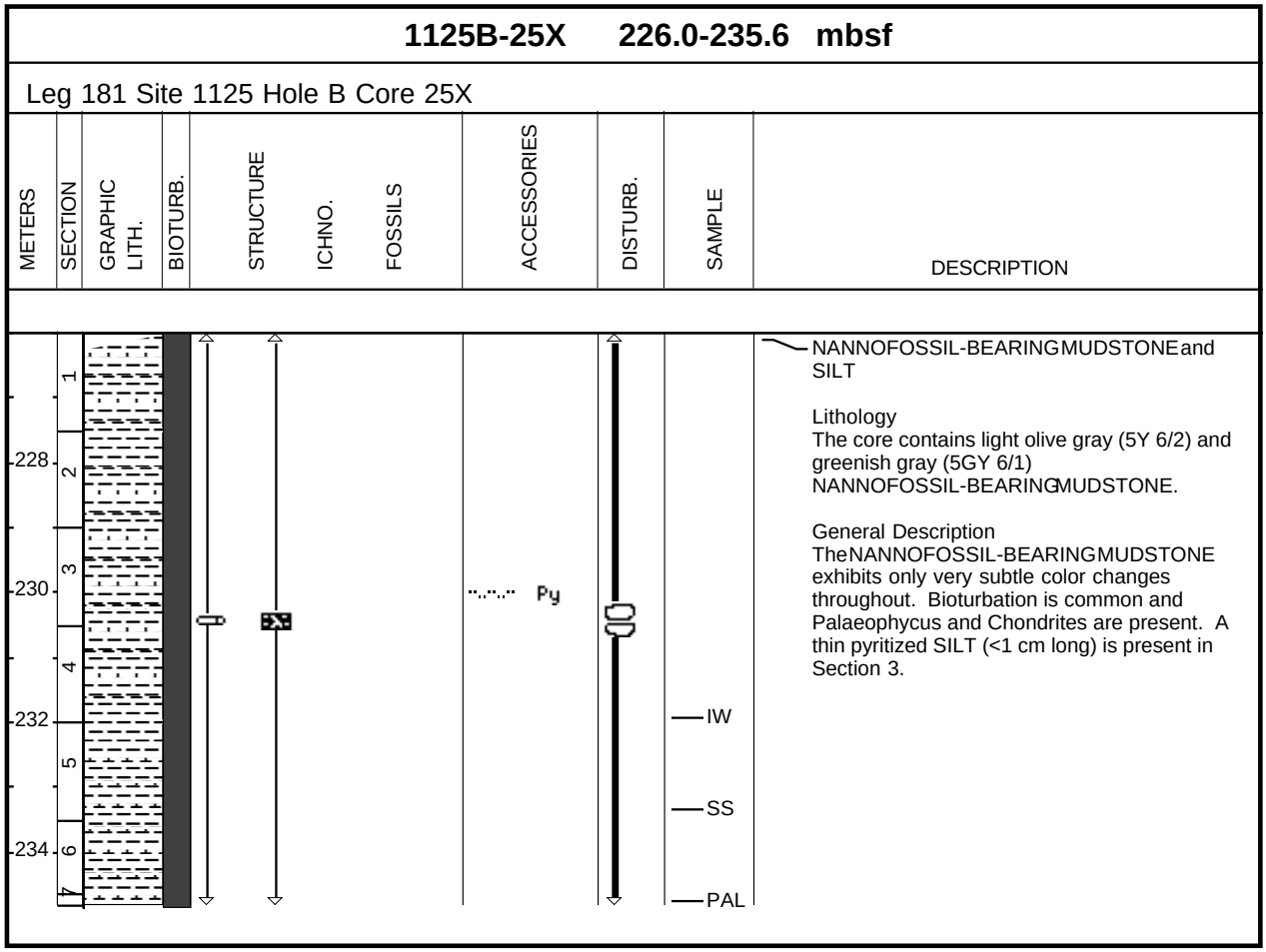


NANNOFOSSIL-BEARING MUDSTONE, CLAY-BEARING NANNOFOSSIL CHALK, ASH-BEARING CLAY, and TEPHRA

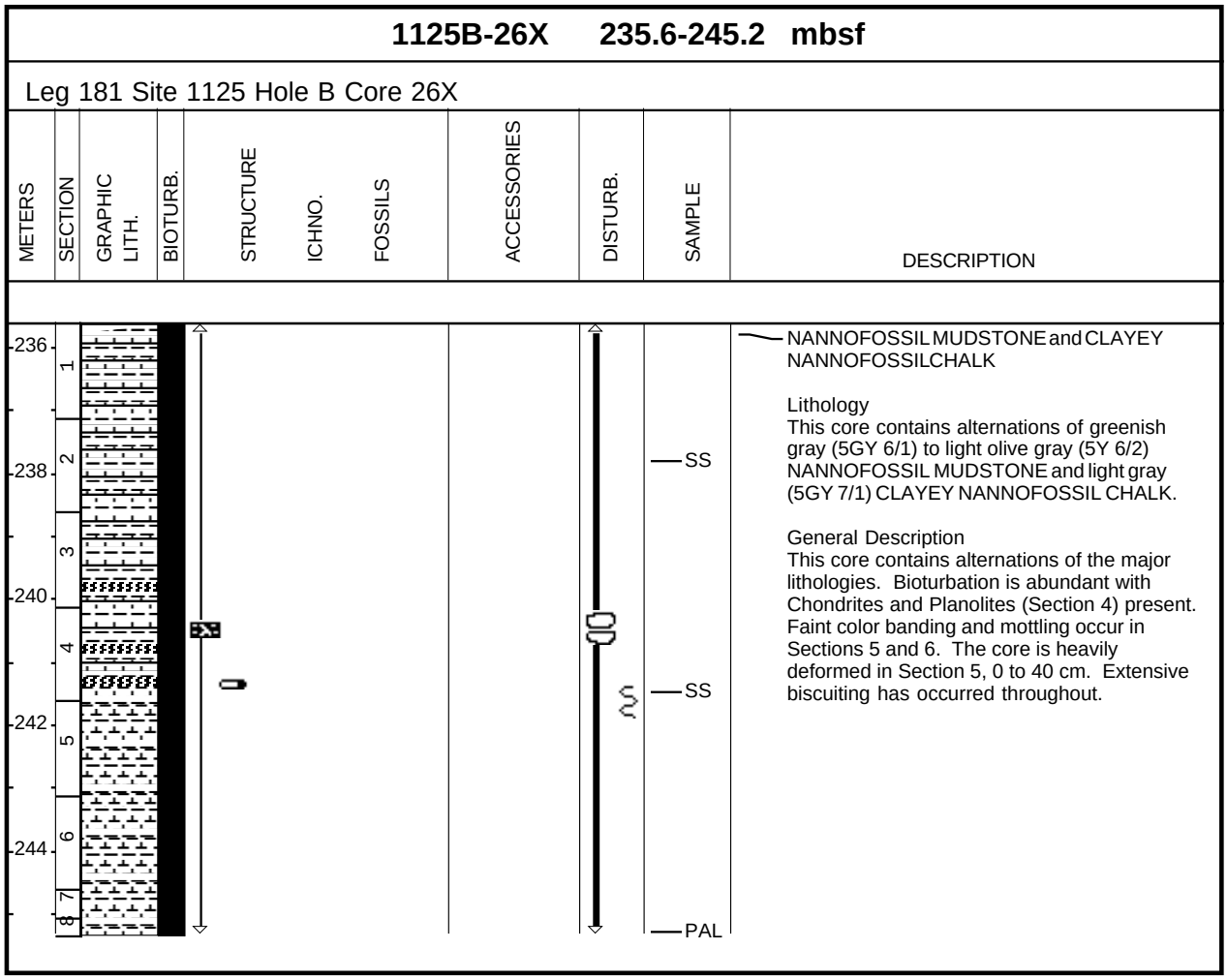
Lithology
The core is mainly comprised of greenish gray (5GY 6/1) NANNOFOSSIL-BEARING MUDSTONE. TEPHRA layers are present in Section 4, 70 to 75 cm, 79 to 86 cm, and 126 to 133 cm.

General Description
This core contains mainly greenish gray (5GY 6/1) NANNOFOSSIL-BEARING MUDSTONE with small interbeds of light greenish gray (5GY 7/1) CLAY-BEARING NANNOFOSSIL CHALK (Sections 4 to 5). The upper TEPHRA layers are separated from each other by a 4 centimeter long ASH-BEARING CLAY layer. The lower TEPHRA contains planar lamination above a sharp basal contact. The upper contacts of each TEPHRA are bioturbated. Teichichnus burrows in Section 4 are ASH-filled. Bioturbation is common and trace fossils include Chondrites, Planolites, Zoophycos, Teichichnus, and Skolithos.

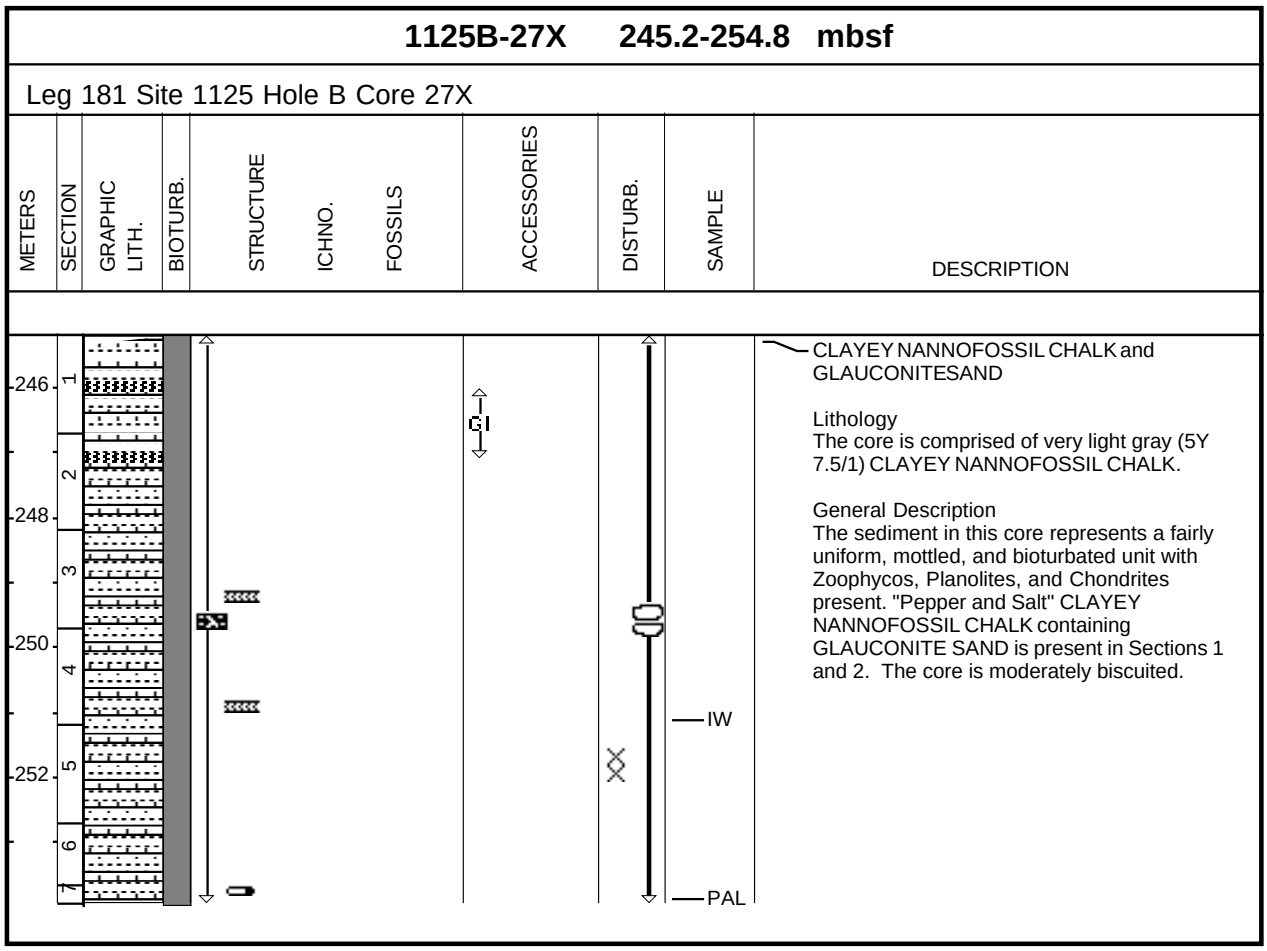
Core Photo


1125B-25X 226.0-235.6 mbsf
Leg 181 Site 1125 Hole B Core 25X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
228
230
232
234
1
2
3
4
5
6
7
Py
IW
SS
PAL
NANNOFOSSIL-BEARING MUDSTONE and SILT
Lithology
The core contains light olive gray (5Y 6/2) and greenish gray (5GY 6/1) NANNOFOSSIL-BEARING MUDSTONE.
General Description
The NANNOFOSSIL-BEARING MUDSTONE exhibits only very subtle color changes throughout. Bioturbation is common and Palaeophycus and Chondrites are present. A thin pyritized SILT (<1 cm long) is present in Section 3.

Core Photo


1125B-26X 235.6-245.2 mbsf
Leg 181 Site 1125 Hole B Core 26X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
236
238
240
242
244
1
2
3
4
5
6
7
SS
SS
PAL
NANNOFOSSIL MUDSTONE and CLAYEY NANNOFOSSILCHALK
Lithology
This core contains alternations of greenish gray (5GY 6/1) to light olive gray (5Y 6/2) NANNOFOSSIL MUDSTONE and light gray (5GY 7/1) CLAYEY NANNOFOSSIL CHALK.
General Description
This core contains alternations of the major lithologies. Bioturbation is abundant with Chondrites and Planolites (Section 4) present. Faint color banding and mottling occur in Sections 5 and 6. The core is heavily deformed in Section 5, 0 to 40 cm. Extensive biscuiting has occurred throughout.

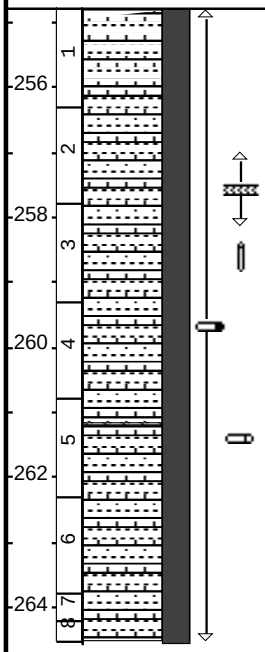
Core Photo


1125B-27X 245.2-254.8 mbsf
Leg 181 Site 1125 Hole B Core 27X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
246
248
250
252
1
2
3
4
5
6
7
GI
IW
PAL
CLAYEY NANNOFOSSIL CHALK and GLAUCONITESAND
Lithology
The core is comprised of very light gray (5Y 7.5/1) CLAYEY NANNOFOSSIL CHALK.
General Description
The sediment in this core represents a fairly uniform, mottled, and bioturbated unit with Zoophycos, Planolites, and Chondrites present. "Pepper and Salt" CLAYEY NANNOFOSSIL CHALK containing GLAUCONITE SAND is present in Sections 1 and 2. The core is moderately biscuited.

Core Photo

1125B-28X 254.8-264.4 mbsf

Leg 181 Site 1125 Hole B Core 28X

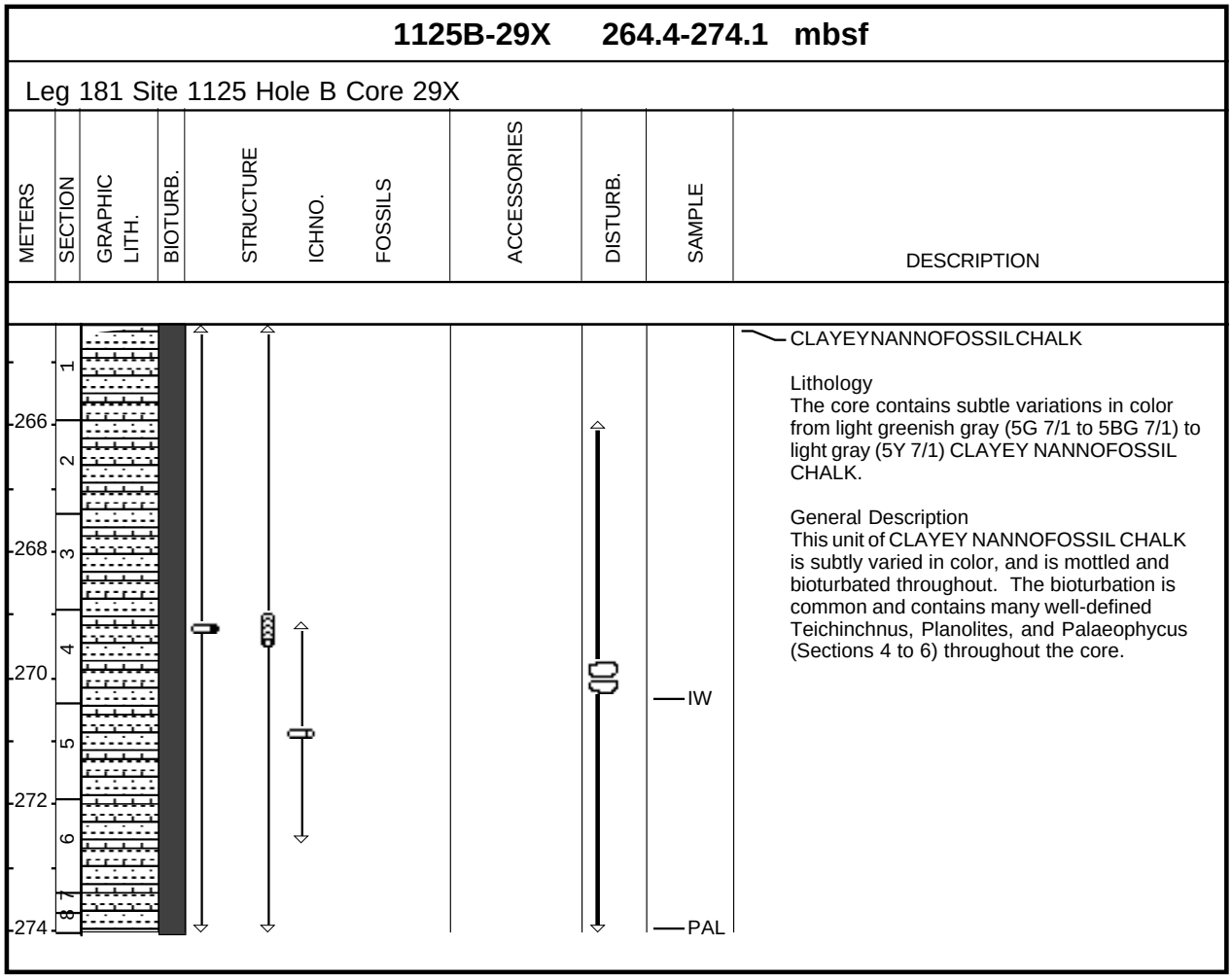


CLAYEY NANNOFOSSIL CHALK and TEPHRA

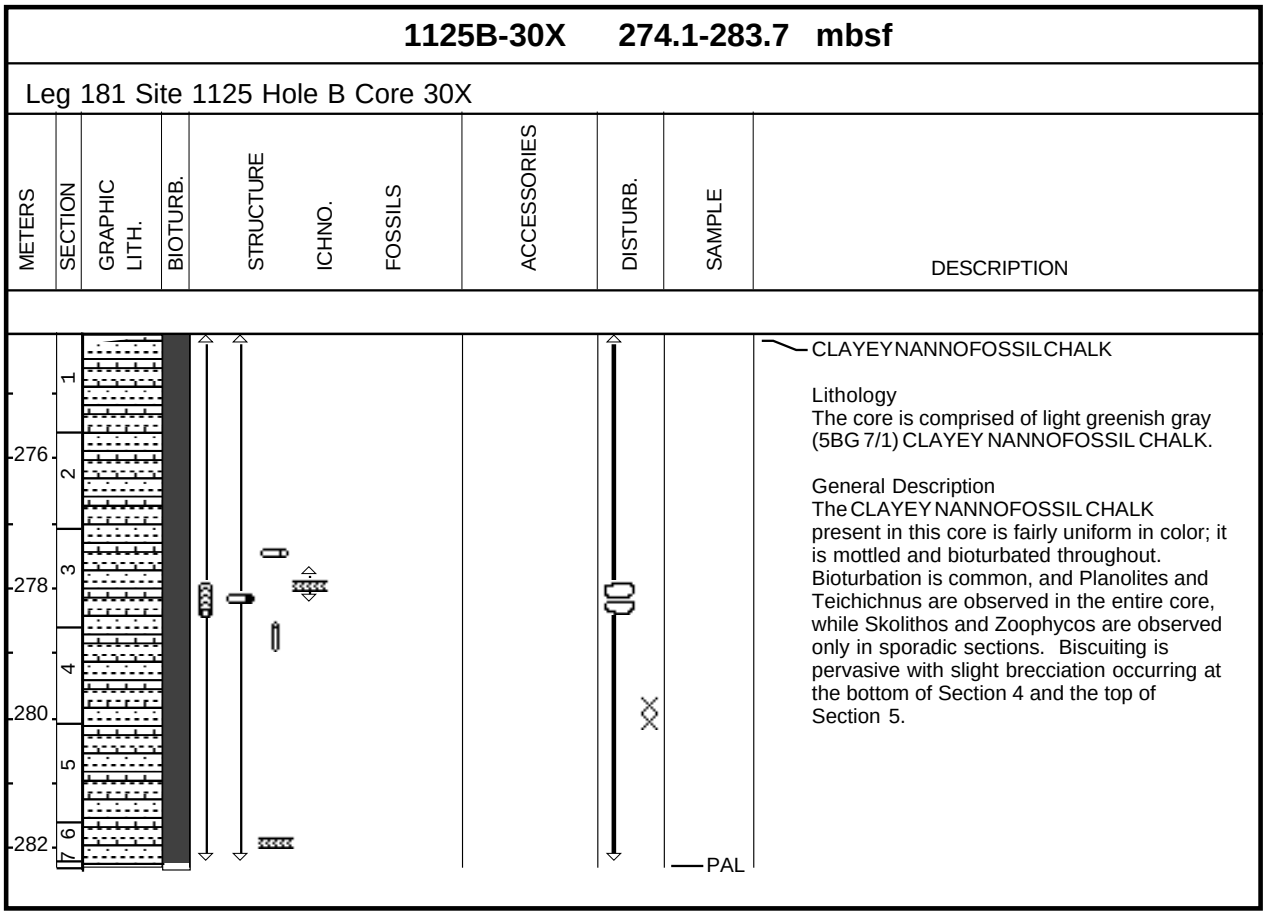
Lithology
The core is comprised of very light gray (5Y 7/1) CLAYEY NANNOFOSSIL CHALK.

General Description
This is a fairly uniform, mottled, and bioturbated unit of CLAYEY NANNOFOSSIL CHALK with glauconite grains scattered throughout. Bioturbation is common and Planolites is dominant, while Zoophycos, Palaeophycus, and Teichichnus are less common. A single Skolithos is present in Section 3. There is a 1 centimeter long TEPHRA layer in Section 5, 40.5 to 41.5 cm, which has a sharp base and bioturbated top. Below this are TEPHRA-filled Palaeophycus.

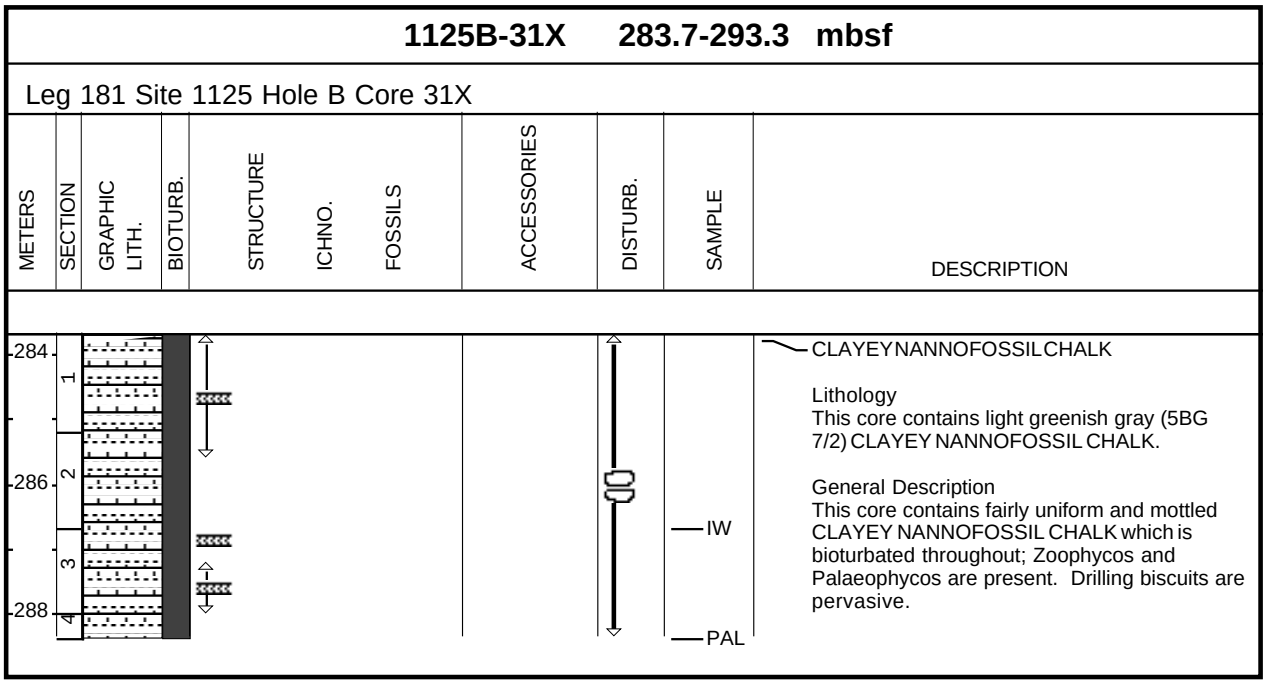
Core Photo


1125B-29X 264.4-274.1 mbsf
Leg 181 Site 1125 Hole B Core 29X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
266
268
270
272
274
1
2
3
4
5
6
7
CC
IW
PAL
CLAYEY NANNOFOSSIL CHALK
Lithology
The core contains subtle variations in color from light greenish gray (5G 7/1 to 5BG 7/1) to light gray (5Y 7/1) CLAYEY NANNOFOSSIL CHALK.
General Description
This unit of CLAYEY NANNOFOSSIL CHALK is subtly varied in color, and is mottled and bioturbated throughout. The bioturbation is common and contains many well-defined Teichinchnus, Planolites, and Palaeophycus (Sections 4 to 6) throughout the core.

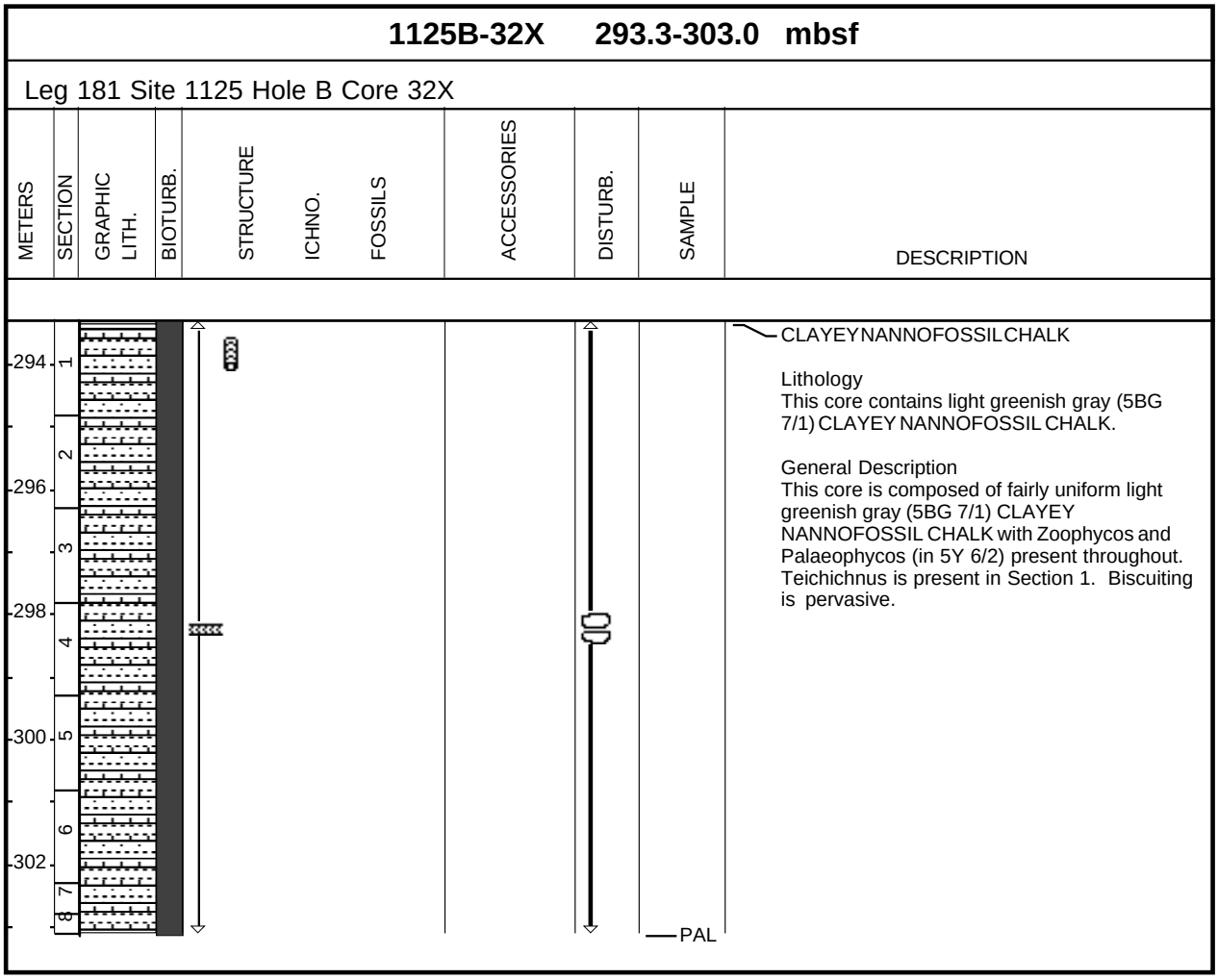
Core Photo


1125B-30X 274.1-283.7 mbsf
Leg 181 Site 1125 Hole B Core 30X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
276
278
280
282
1
2
3
4
5
6
7
PAL
CLAYEY NANNOFOSSIL CHALK
Lithology
The core is comprised of light greenish gray (5BG 7/1) CLAYEY NANNOFOSSIL CHALK.
General Description
The CLAYEY NANNOFOSSIL CHALK present in this core is fairly uniform in color; it is mottled and bioturbated throughout. Bioturbation is common, and Planolites and Teichichnus are observed in the entire core, while Skolithos and Zoophycos are observed only in sporadic sections. Biscuiting is pervasive with slight brecciation occurring at the bottom of Section 4 and the top of Section 5.

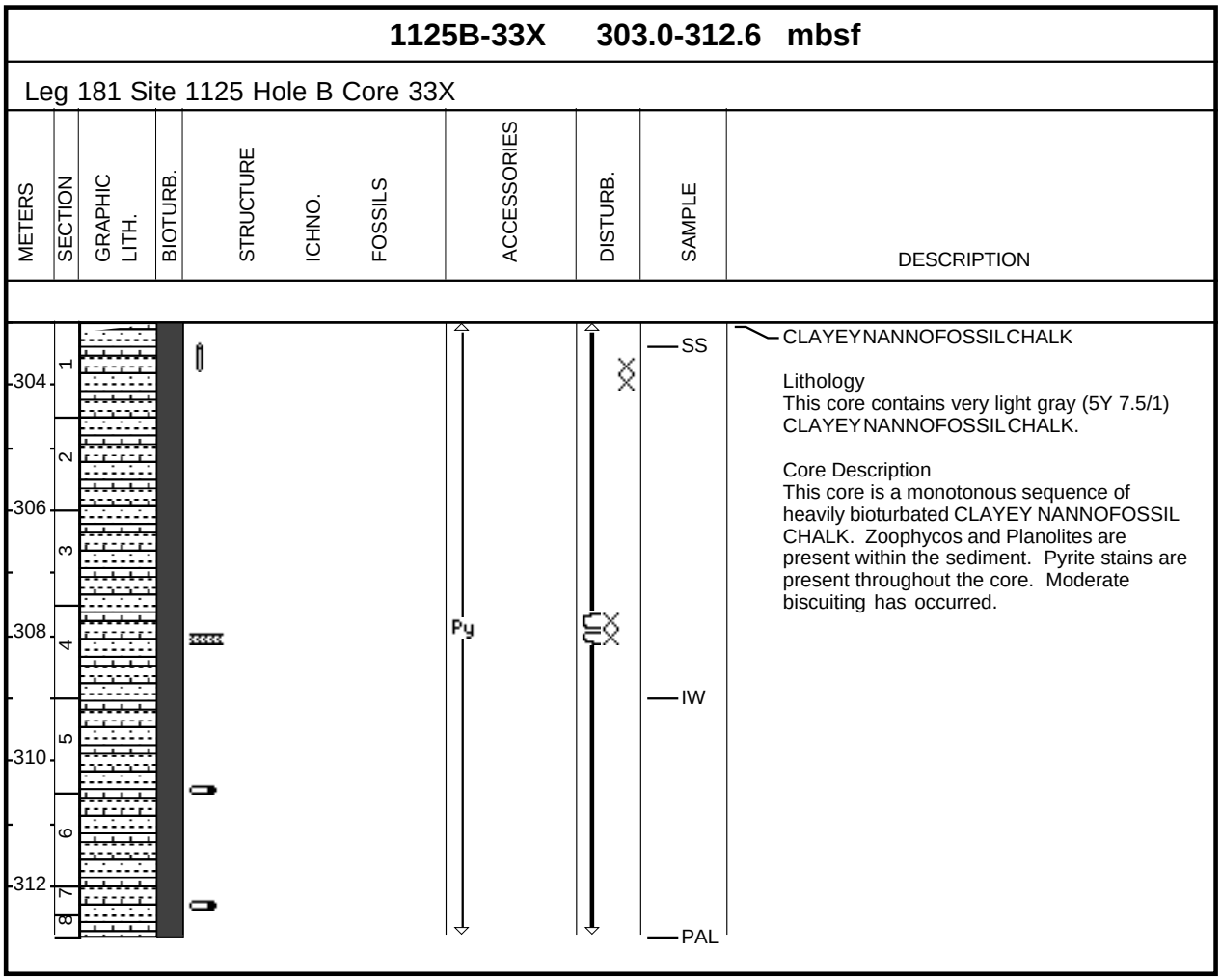
Core Photo


1125B-31X 283.7-293.3 mbsf
Leg 181 Site 1125 Hole B Core 31X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
284
286
288
1
2
3
4
IW
PAL
CLAYEY NANNOFOSSIL CHALK
Lithology
This core contains light greenish gray (5BG 7/2) CLAYEY NANNOFOSSIL CHALK.
General Description
This core contains fairly uniform and mottled CLAYEY NANNOFOSSIL CHALK which is bioturbated throughout; Zoophycos and Palaeophycos are present. Drilling biscuits are pervasive.

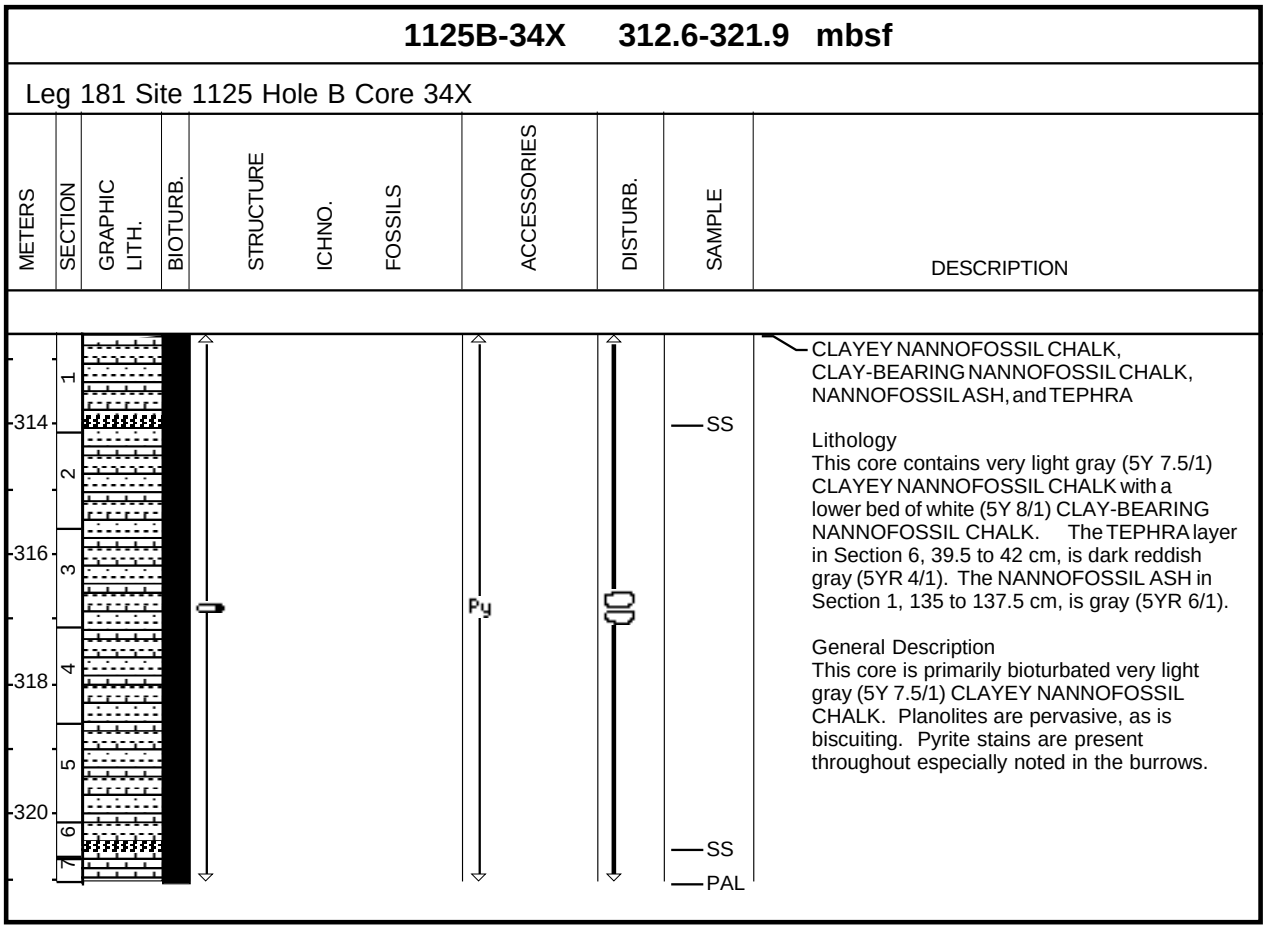
Core Photo


1125B-32X 293.3-303.0 mbsf
Leg 181 Site 1125 Hole B Core 32X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
294
296
298
300
302
1
2
3
4
5
6
7
CLAYEY NANNOFOSSIL CHALK
Lithology
This core contains light greenish gray (5BG 7/1) CLAYEY NANNOFOSSIL CHALK.
General Description
This core is composed of fairly uniform light greenish gray (5BG 7/1) CLAYEY NANNOFOSSIL CHALK with Zoophycos and Palaeophycos (in 5Y 6/2) present throughout. Teichichnus is present in Section 1. Biscuiting is pervasive.
PAL

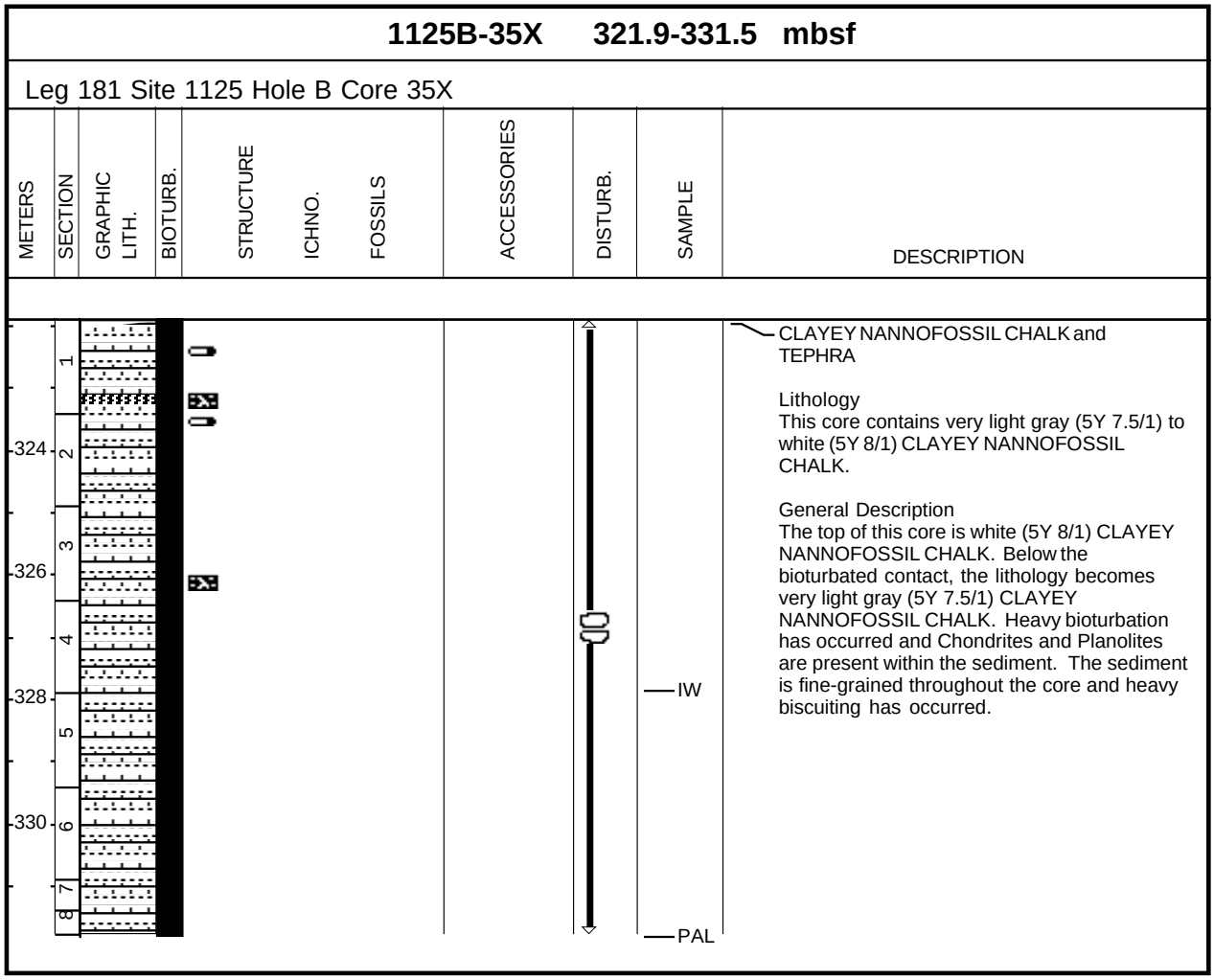
Core Photo


1125B-33X 303.0-312.6 mbsf
Leg 181 Site 1125 Hole B Core 33X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
304
306
308
310
312
1
2
3
4
5
6
7
8
Py
SS
IW
PAL
CLAYEY NANNOFOSSIL CHALK
Lithology
This core contains very light gray (5Y 7.5/1) CLAYEY NANNOFOSSIL CHALK.
Core Description
This core is a monotonous sequence of heavily bioturbated CLAYEY NANNOFOSSIL CHALK. Zoophycos and Planolites are present within the sediment. Pyrite stains are present throughout the core. Moderate biscuiting has occurred.

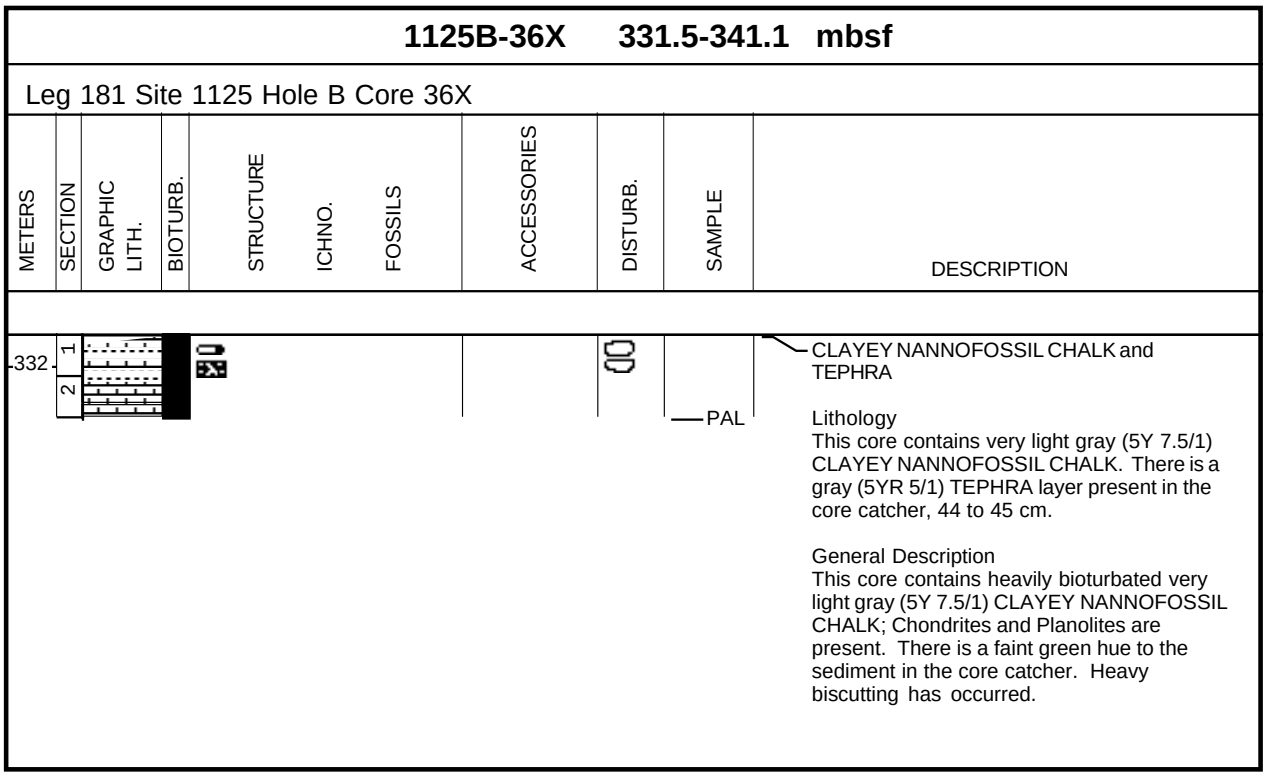
Core Photo


1125B-34X 312.6-321.9 mbsf
Leg 181 Site 1125 Hole B Core 34X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
314
316
318
320
1
2
3
4
5
6
7
Py
SS
SS
PAL
CLAYEY NANNOFOSSIL CHALK, CLAY-BEARING NANNOFOSSIL CHALK, NANNOFOSSIL ASH, and TEPHRA
Lithology
This core contains very light gray (5Y 7.5/1) CLAYEY NANNOFOSSIL CHALK with a lower bed of white (5Y 8/1) CLAY-BEARING NANNOFOSSIL CHALK. The TEPHRA layer in Section 6, 39.5 to 42 cm, is dark reddish gray (5YR 4/1). The NANNOFOSSIL ASH in Section 1, 135 to 137.5 cm, is gray (5YR 6/1).
General Description
This core is primarily bioturbated very light gray (5Y 7.5/1) CLAYEY NANNOFOSSIL CHALK. Planolites are pervasive, as is biscuiting. Pyrite stains are present throughout especially noted in the burrows.

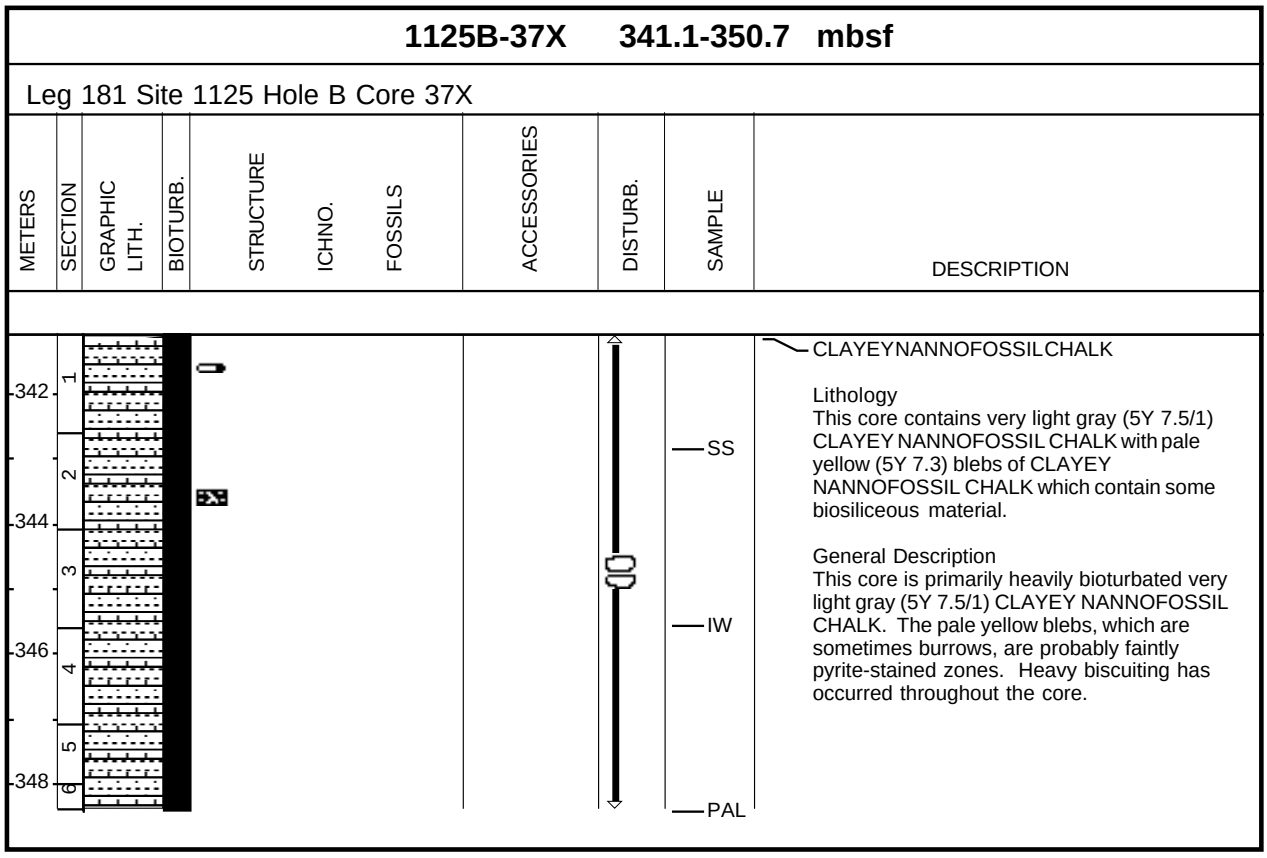
Core Photo


1125B-35X 321.9-331.5 mbsf
Leg 181 Site 1125 Hole B Core 35X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
324
326
328
330
1
2
3
4
5
6
7
8
IW
PAL
CLAYEY NANNOFOSSIL CHALK and TEPHRA
Lithology
This core contains very light gray (5Y 7.5/1) to white (5Y 8/1) CLAYEY NANNOFOSSIL CHALK.
General Description
The top of this core is white (5Y 8/1) CLAYEY NANNOFOSSIL CHALK. Below the bioturbated contact, the lithology becomes very light gray (5Y 7.5/1) CLAYEY NANNOFOSSIL CHALK. Heavy bioturbation has occurred and Chondrites and Planolites are present within the sediment. The sediment is fine-grained throughout the core and heavy biscuiting has occurred.

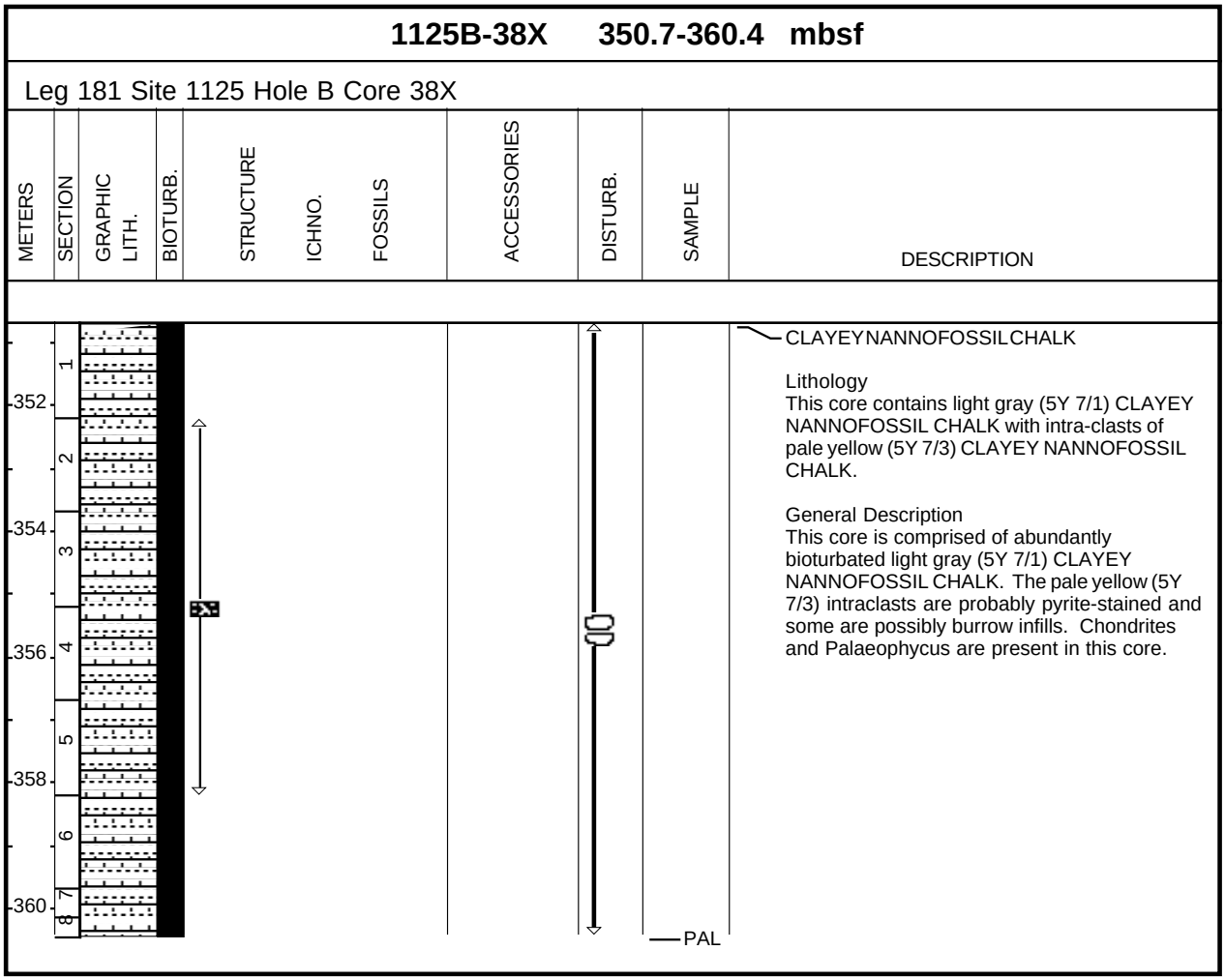
Core Photo


1125B-36X 331.5-341.1 mbsf
Leg 181 Site 1125 Hole B Core 36X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
332
1
2
PAL
CLAYEY NANNOFOSSIL CHALK and TEPHRA
Lithology
This core contains very light gray (5Y 7.5/1) CLAYEY NANNOFOSSIL CHALK. There is a gray (5YR 5/1) TEPHRA layer present in the core catcher, 44 to 45 cm.
General Description
This core contains heavily bioturbated very light gray (5Y 7.5/1) CLAYEY NANNOFOSSIL CHALK; Chondrites and Planolites are present. There is a faint green hue to the sediment in the core catcher. Heavy biscutting has occurred.

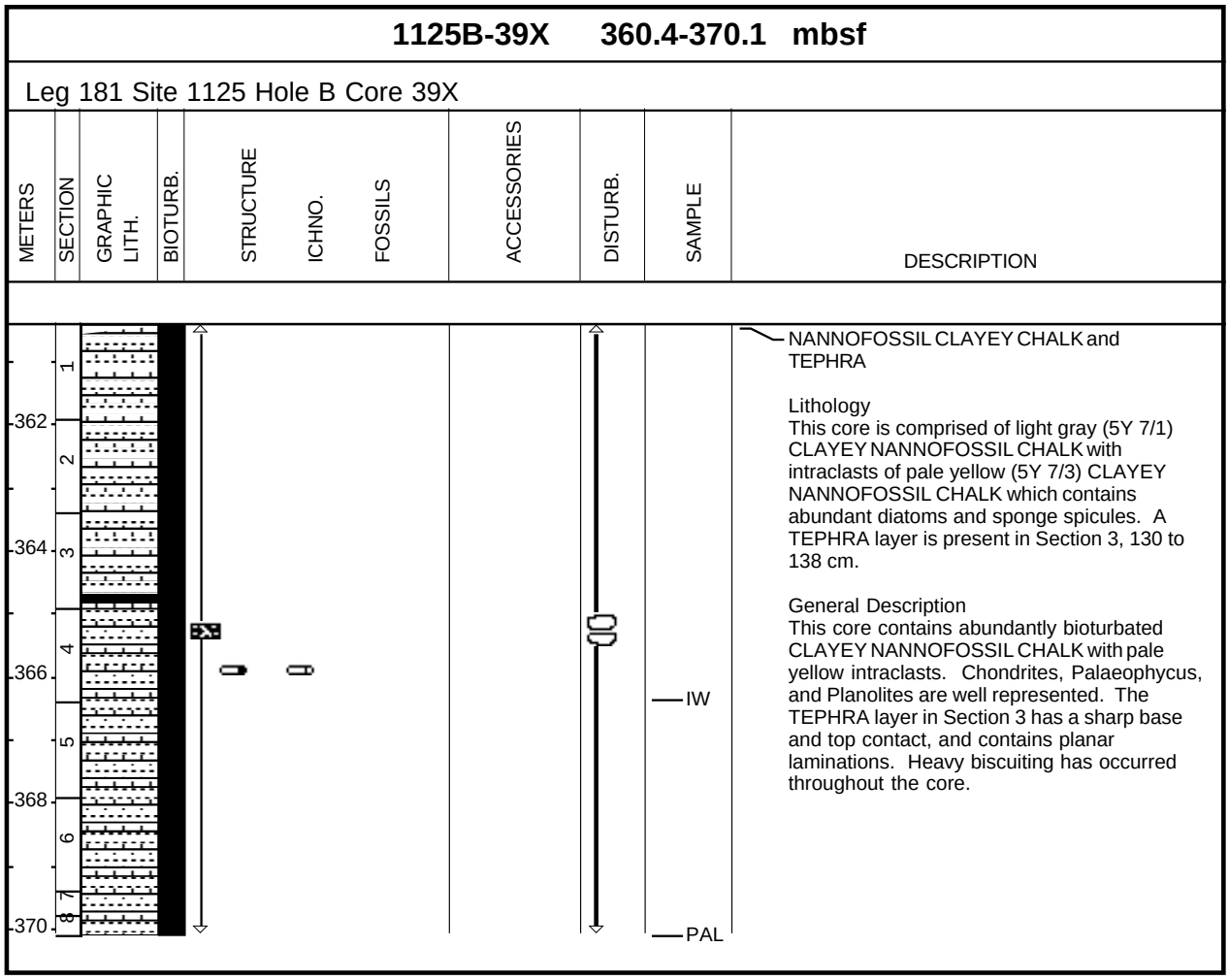
Core Photo


1125B-37X 341.1-350.7 mbsf
Leg 181 Site 1125 Hole B Core 37X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
342
344
346
348
1
2
3
4
5
6
SS
IW
PAL
CLAYEY NANNOFOSSIL CHALK
Lithology
This core contains very light gray (5Y 7.5/1) CLAYEY NANNOFOSSIL CHALK with pale yellow (5Y 7.3) blebs of CLAYEY NANNOFOSSIL CHALK which contain some biosiliceous material.
General Description
This core is primarily heavily bioturbated very light gray (5Y 7.5/1) CLAYEY NANNOFOSSIL CHALK. The pale yellow blebs, which are sometimes burrows, are probably faintly pyrite-stained zones. Heavy biscuiting has occurred throughout the core.

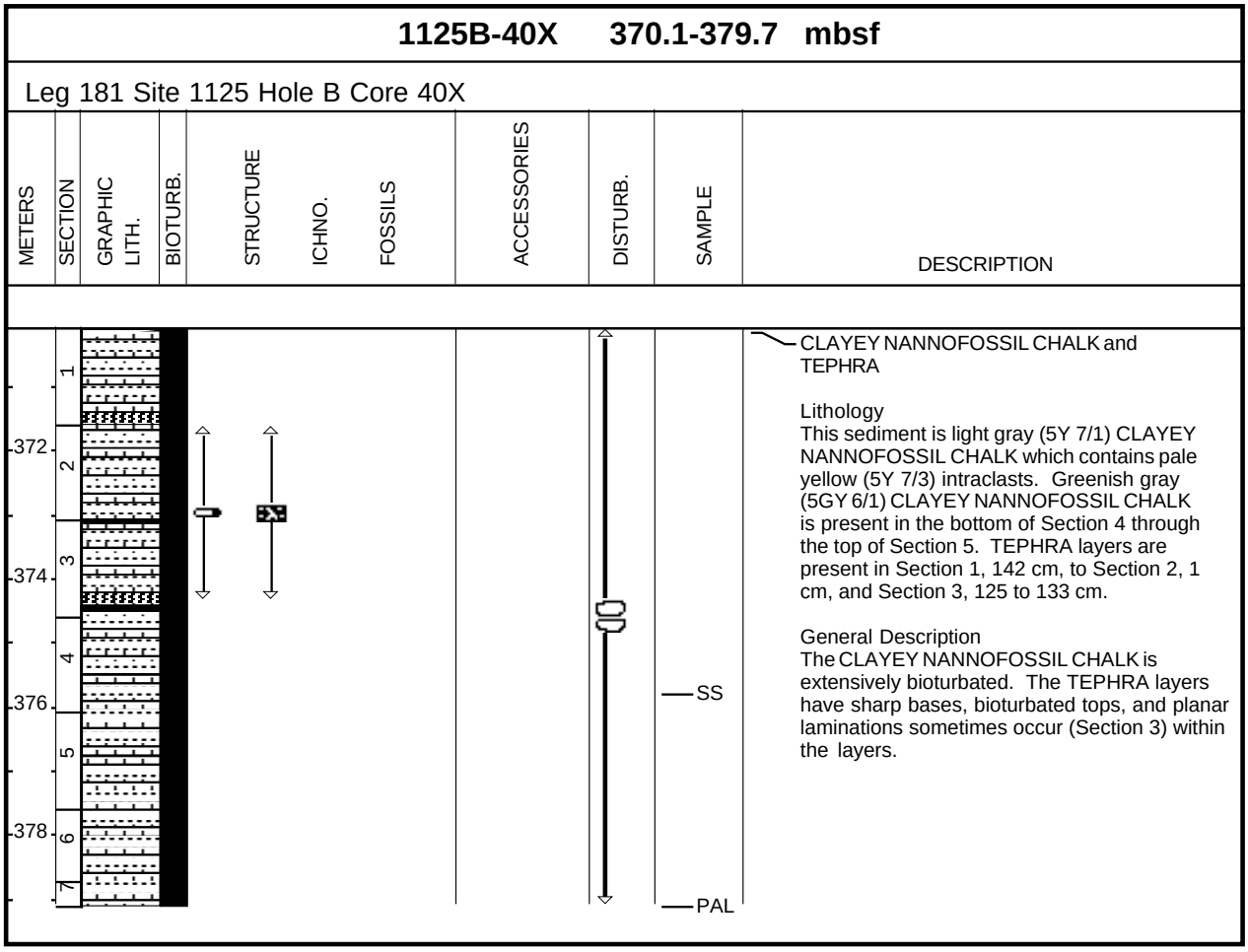
Core Photo


1125B-38X 350.7-360.4 mbsf
Leg 181 Site 1125 Hole B Core 38X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
352
354
356
358
360
1
2
3
4
5
6
7
CC
PAL
CLAYEY NANNOFOSSIL CHALK
Lithology
This core contains light gray (5Y 7/1) CLAYEY NANNOFOSSIL CHALK with intra-clasts of pale yellow (5Y 7/3) CLAYEY NANNOFOSSIL CHALK.
General Description
This core is comprised of abundantly bioturbated light gray (5Y 7/1) CLAYEY NANNOFOSSIL CHALK. The pale yellow (5Y 7/3) intraclasts are probably pyrite-stained and some are possibly burrow infills. Chondrites and Palaeophycus are present in this core.

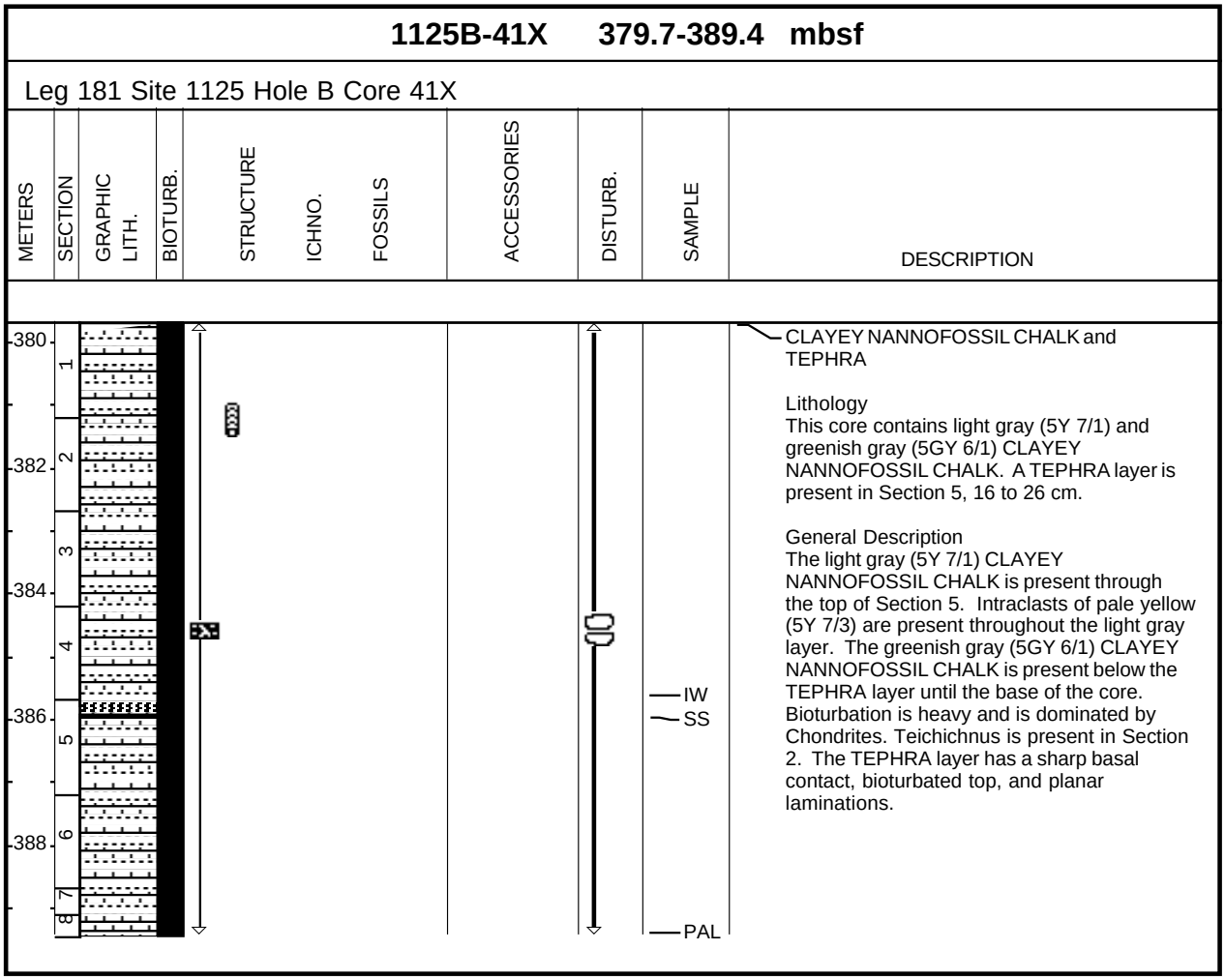
Core Photo


1125B-39X 360.4-370.1 mbsf
Leg 181 Site 1125 Hole B Core 39X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
362
364
366
368
370
1
2
3
4
5
6
7
IW
PAL
NANNOFOSSIL CLAYEY CHALK and TEPHRA
Lithology
This core is comprised of light gray (5Y 7/1) CLAYEY NANNOFOSSIL CHALK with intraclasts of pale yellow (5Y 7/3) CLAYEY NANNOFOSSIL CHALK which contains abundant diatoms and sponge spicules. A TEPHRA layer is present in Section 3, 130 to 138 cm.
General Description
This core contains abundantly bioturbated CLAYEY NANNOFOSSIL CHALK with pale yellow intraclasts. Chondrites, Palaeophycus, and Planolites are well represented. The TEPHRA layer in Section 3 has a sharp base and top contact, and contains planar laminations. Heavy biscuiting has occurred throughout the core.

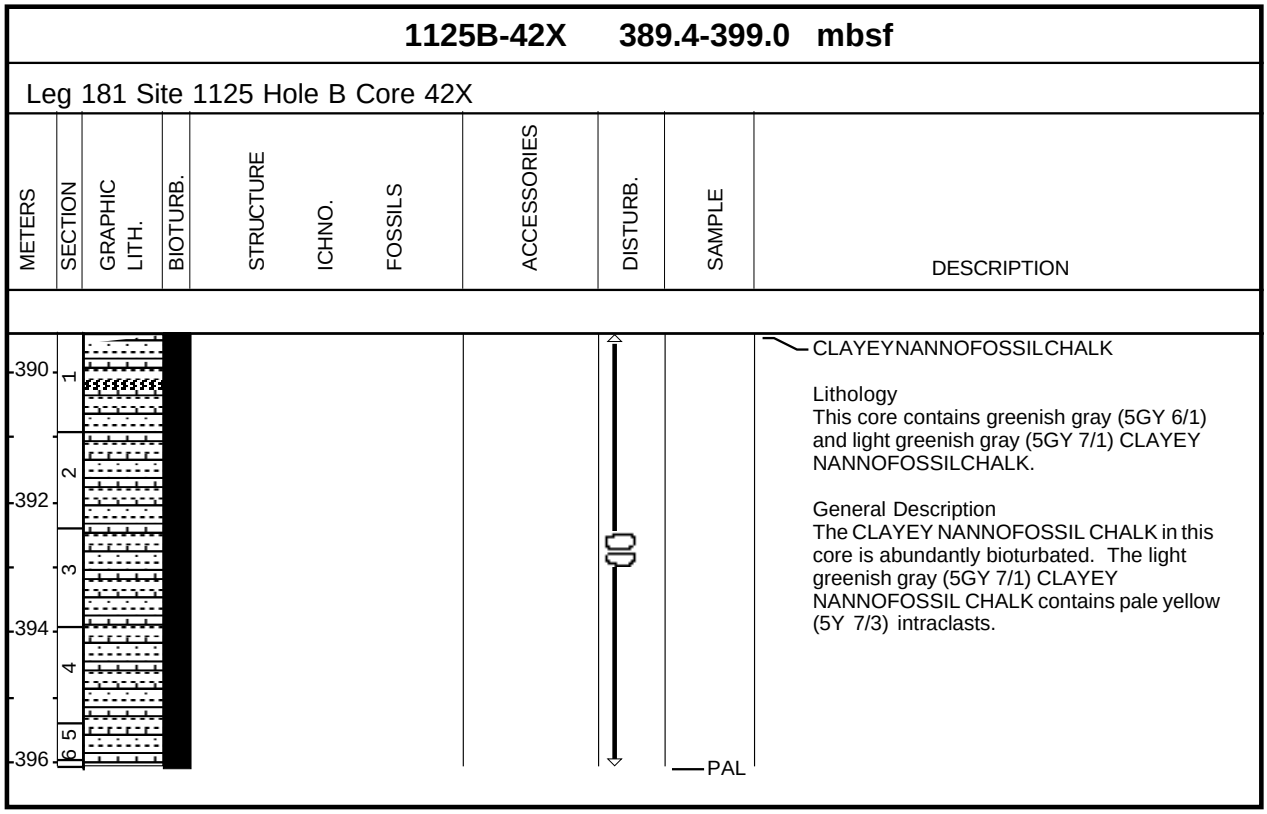
Core Photo


1125B-40X 370.1-379.7 mbsf
Leg 181 Site 1125 Hole B Core 40X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
372
374
376
378
1
2
3
4
5
6
7
SS
PAL
CLAYEY NANNOFOSSIL CHALK and TEPHRA
Lithology
This sediment is light gray (5Y 7/1) CLAYEY NANNOFOSSIL CHALK which contains pale yellow (5Y 7/3) intraclasts. Greenish gray (5GY 6/1) CLAYEY NANNOFOSSIL CHALK is present in the bottom of Section 4 through the top of Section 5. TEPHRA layers are present in Section 1, 142 cm, to Section 2, 1 cm, and Section 3, 125 to 133 cm.
General Description
The CLAYEY NANNOFOSSIL CHALK is extensively bioturbated. The TEPHRA layers have sharp bases, bioturbated tops, and planar laminations sometimes occur (Section 3) within the layers.

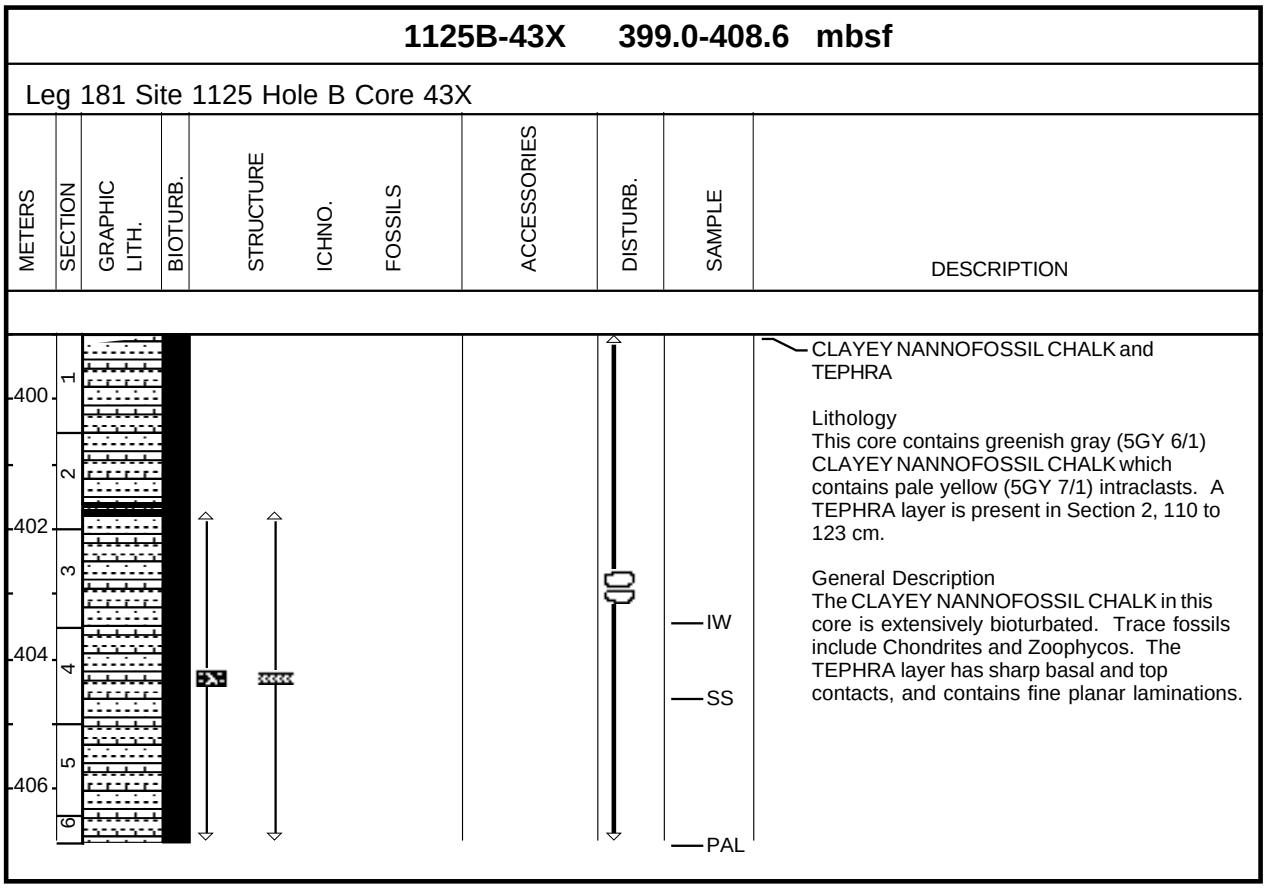
Core Photo


1125B-41X 379.7-389.4 mbsf
Leg 181 Site 1125 Hole B Core 41X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
380
382
384
386
388
1
2
3
4
5
6
7
CC
IW
SS
PAL
CLAYEY NANNOFOSSIL CHALK and TEPHRA
Lithology
This core contains light gray (5Y 7/1) and greenish gray (5GY 6/1) CLAYEY NANNOFOSSIL CHALK. A TEPHRA layer is present in Section 5, 16 to 26 cm.
General Description
The light gray (5Y 7/1) CLAYEY NANNOFOSSIL CHALK is present through the top of Section 5. Intraclasts of pale yellow (5Y 7/3) are present throughout the light gray layer. The greenish gray (5GY 6/1) CLAYEY NANNOFOSSIL CHALK is present below the TEPHRA layer until the base of the core. Bioturbation is heavy and is dominated by Chondrites. Teichichnus is present in Section 2. The TEPHRA layer has a sharp basal contact, bioturbated top, and planar laminations.

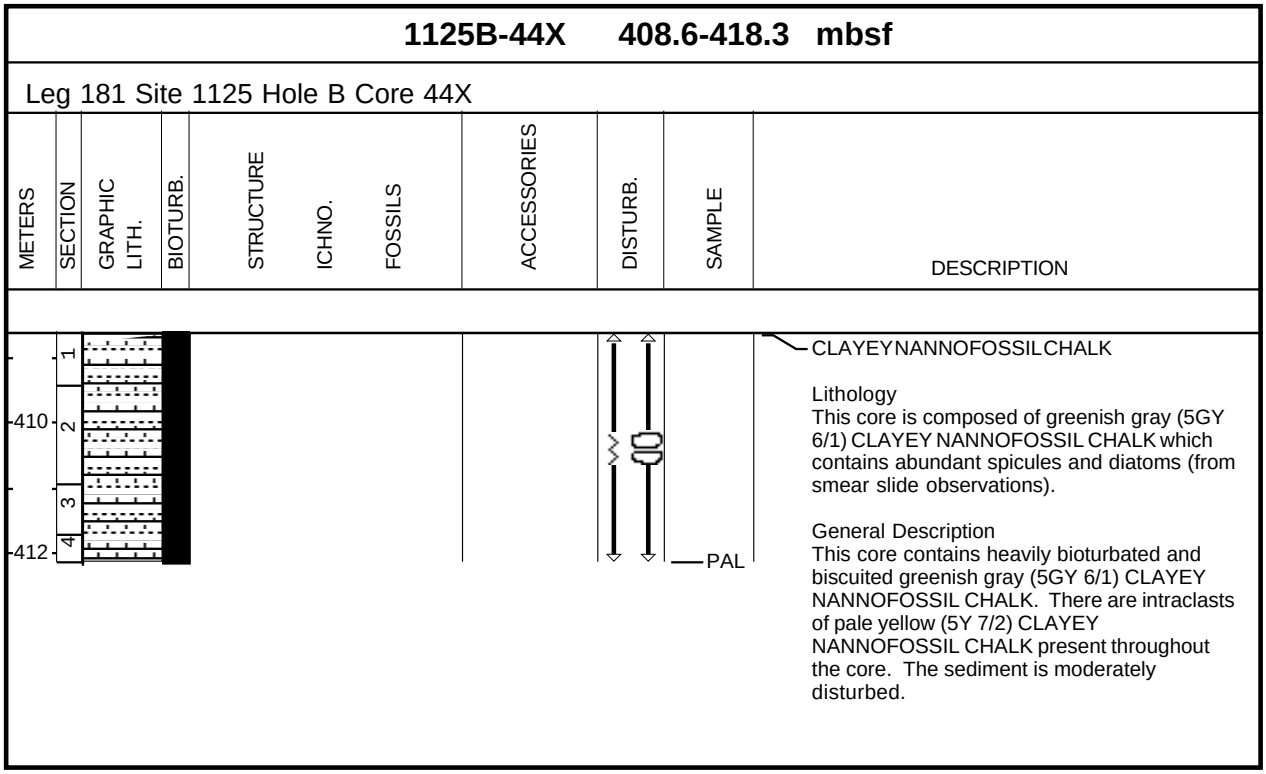
Core Photo


1125B-42X 389.4-399.0 mbsf
Leg 181 Site 1125 Hole B Core 42X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
390
392
394
396
1
2
3
4
5
6
PAL
CLAYEY NANNOFOSSIL CHALK
Lithology
This core contains greenish gray (5GY 6/1) and light greenish gray (5GY 7/1) CLAYEY NANNOFOSSIL CHALK.
General Description
The CLAYEY NANNOFOSSIL CHALK in this core is abundantly bioturbated. The light greenish gray (5GY 7/1) CLAYEY NANNOFOSSIL CHALK contains pale yellow (5Y 7/3) intraclasts.

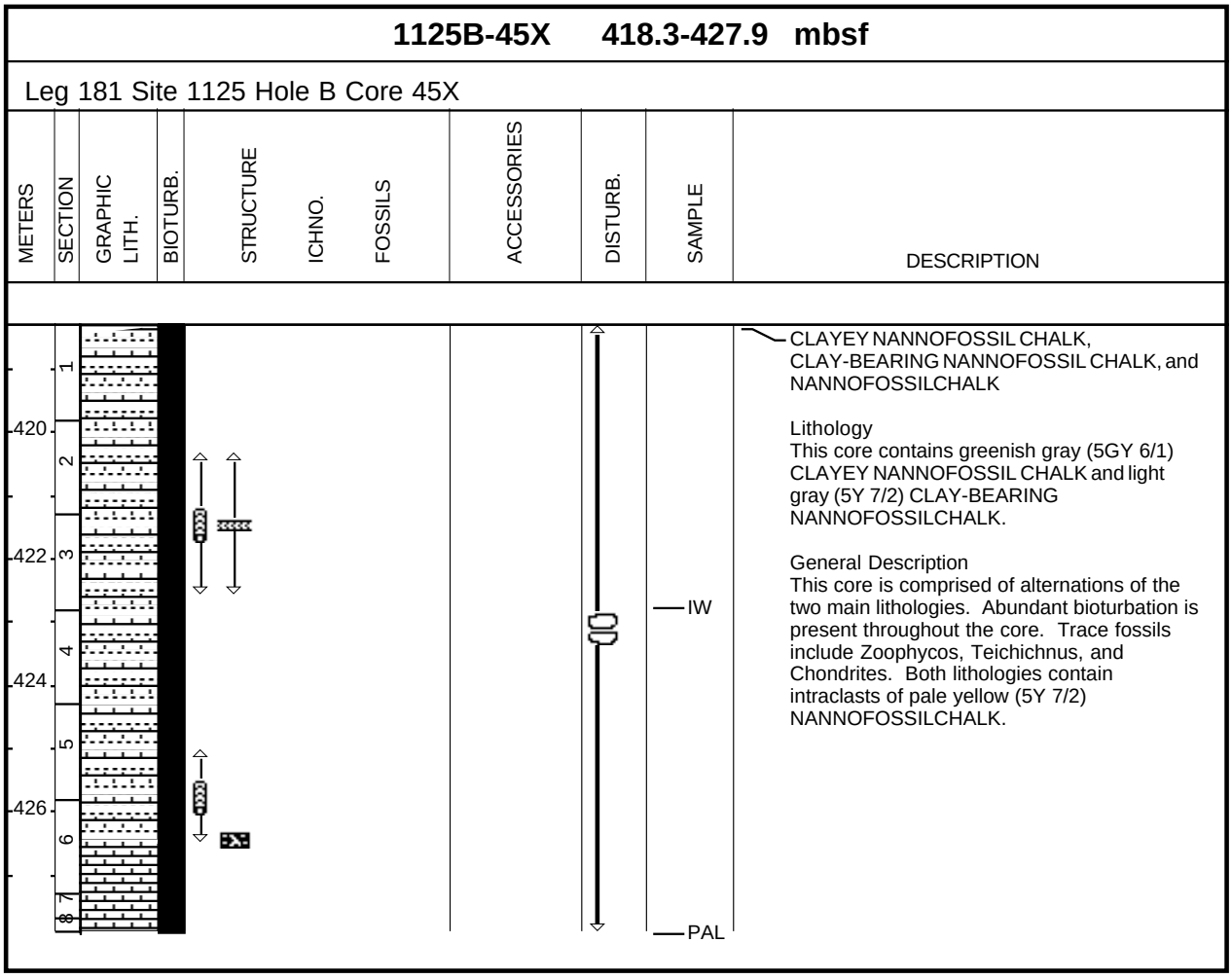
Core Photo


1125B-43X 399.0-408.6 mbsf
Leg 181 Site 1125 Hole B Core 43X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
400
402
404
406
1
2
3
4
5
6
IW
SS
PAL
CLAYEY NANNOFOSSIL CHALK and TEPHRA
Lithology
This core contains greenish gray (5GY 6/1) CLAYEY NANNOFOSSIL CHALK which contains pale yellow (5GY 7/1) intraclasts. A TEPHRA layer is present in Section 2, 110 to 123 cm.
General Description
The CLAYEY NANNOFOSSIL CHALK in this core is extensively bioturbated. Trace fossils include Chondrites and Zoophycos. The TEPHRA layer has sharp basal and top contacts, and contains fine planar laminations.

Core Photo


1125B-44X 408.6-418.3 mbsf
Leg 181 Site 1125 Hole B Core 44X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
410
412
1
2
3
4
PAL
CLAYEY NANNOFOSSIL CHALK
Lithology
This core is composed of greenish gray (5GY 6/1) CLAYEY NANNOFOSSIL CHALK which contains abundant spicules and diatoms (from smear slide observations).
General Description
This core contains heavily bioturbated and biscuited greenish gray (5GY 6/1) CLAYEY NANNOFOSSIL CHALK. There are intraclasts of pale yellow (5Y 7/2) CLAYEY NANNOFOSSIL CHALK present throughout the core. The sediment is moderately disturbed.

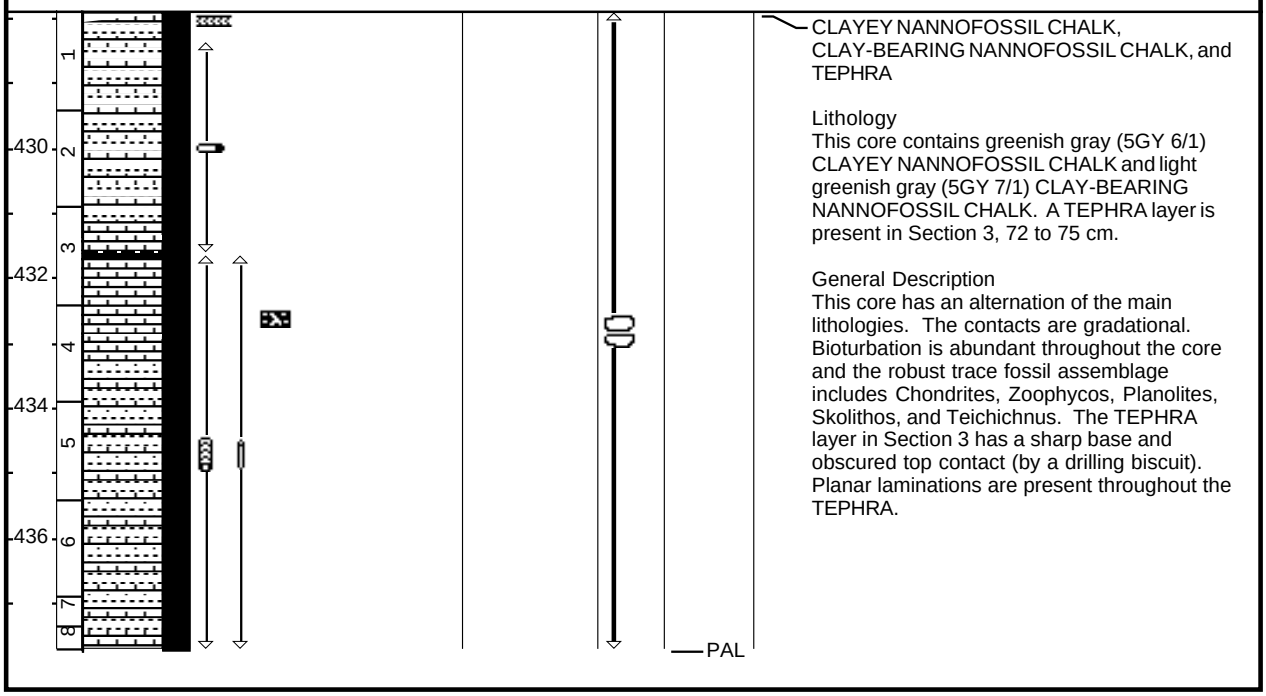
Core Photo


1125B-45X 418.3-427.9 mbsf
Leg 181 Site 1125 Hole B Core 45X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
420
422
424
426
1
2
3
4
5
6
7
8
IW
PAL
CLAYEY NANNOFOSSIL CHALK, CLAY-BEARING NANNOFOSSIL CHALK, and NANNOFOSSILCHALK
Lithology
This core contains greenish gray (5GY 6/1) CLAYEY NANNOFOSSIL CHALK and light gray (5Y 7/2) CLAY-BEARING NANNOFOSSILCHALK.
General Description
This core is comprised of alternations of the two main lithologies. Abundant bioturbation is present throughout the core. Trace fossils include Zoophycos, Teichichnus, and Chondrites. Both lithologies contain intraclasts of pale yellow (5Y 7/2) NANNOFOSSILCHALK.

Core Photo

1125B-46X 427.9-437.5 mbsf

Leg 181 Site 1125 Hole B Core 46X

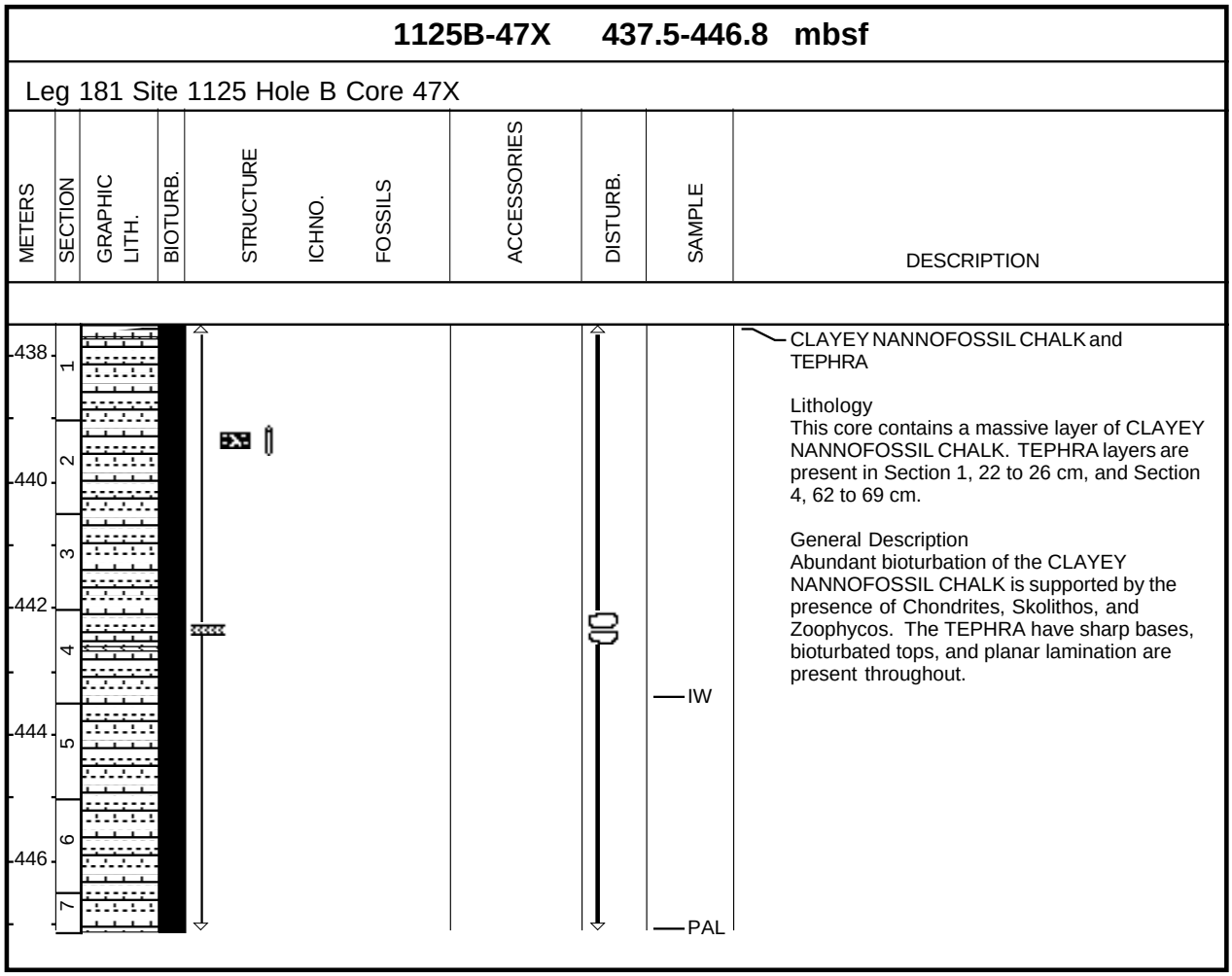


CLAYEY NANNOFOSSIL CHALK, CLAY-BEARING NANNOFOSSIL CHALK, and TEPHRA

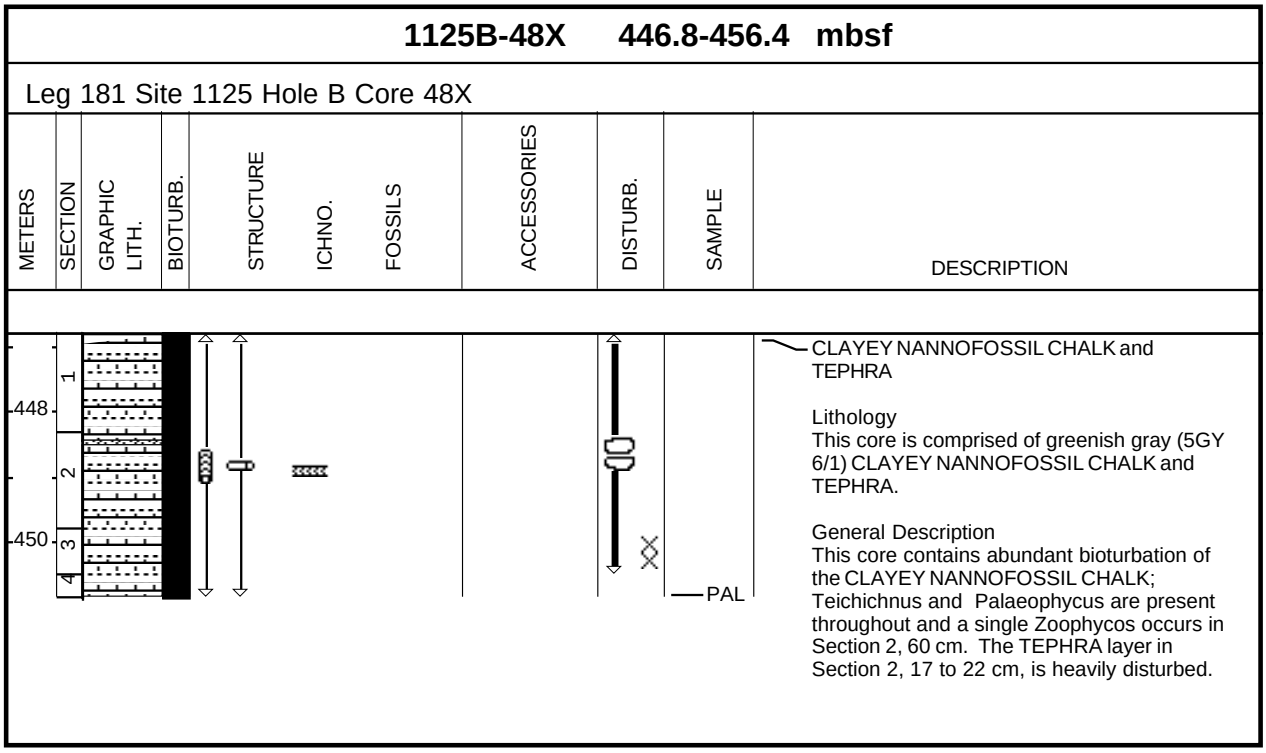
Lithology
This core contains greenish gray (5GY 6/1) CLAYEY NANNOFOSSIL CHALK and light greenish gray (5GY 7/1) CLAY-BEARING NANNOFOSSIL CHALK. A TEPHRA layer is present in Section 3, 72 to 75 cm.

General Description
This core has an alternation of the main lithologies. The contacts are gradational. Bioturbation is abundant throughout the core and the robust trace fossil assemblage includes Chondrites, Zoophycos, Planolites, Skolithos, and Teichichnus. The TEPHRA layer in Section 3 has a sharp base and obscured top contact (by a drilling biscuit). Planar laminations are present throughout the TEPHRA.

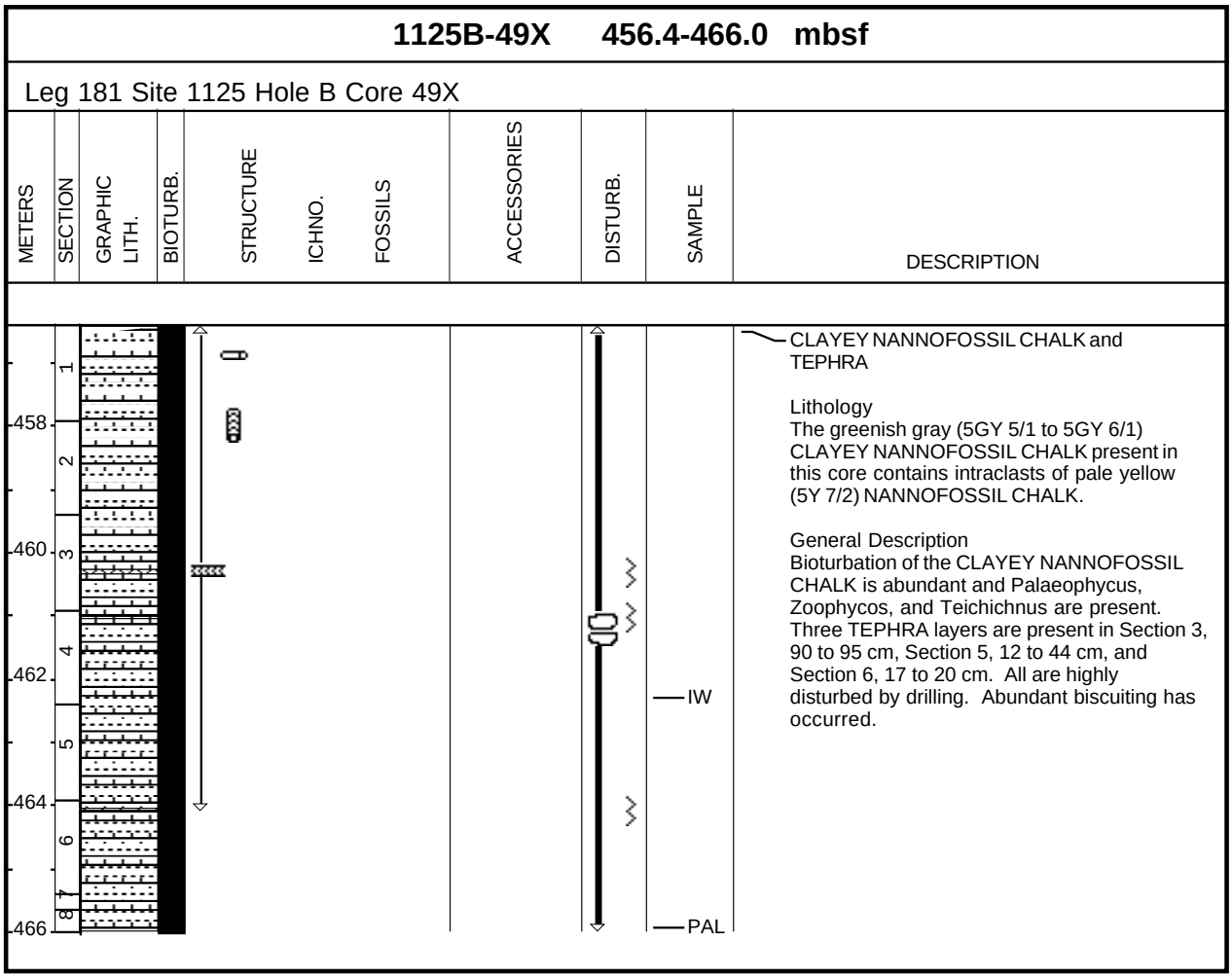
Core Photo


1125B-47X 437.5-446.8 mbsf
Leg 181 Site 1125 Hole B Core 47X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
438
440
442
444
446
1
2
3
4
5
6
7
IW
PAL
CLAYEY NANNOFOSSIL CHALK and TEPHRA
Lithology
This core contains a massive layer of CLAYEY NANNOFOSSIL CHALK. TEPHRA layers are present in Section 1, 22 to 26 cm, and Section 4, 62 to 69 cm.
General Description
Abundant bioturbation of the CLAYEY NANNOFOSSIL CHALK is supported by the presence of Chondrites, Skolithos, and Zoophycos. The TEPHRA have sharp bases, bioturbated tops, and planar lamination are present throughout.

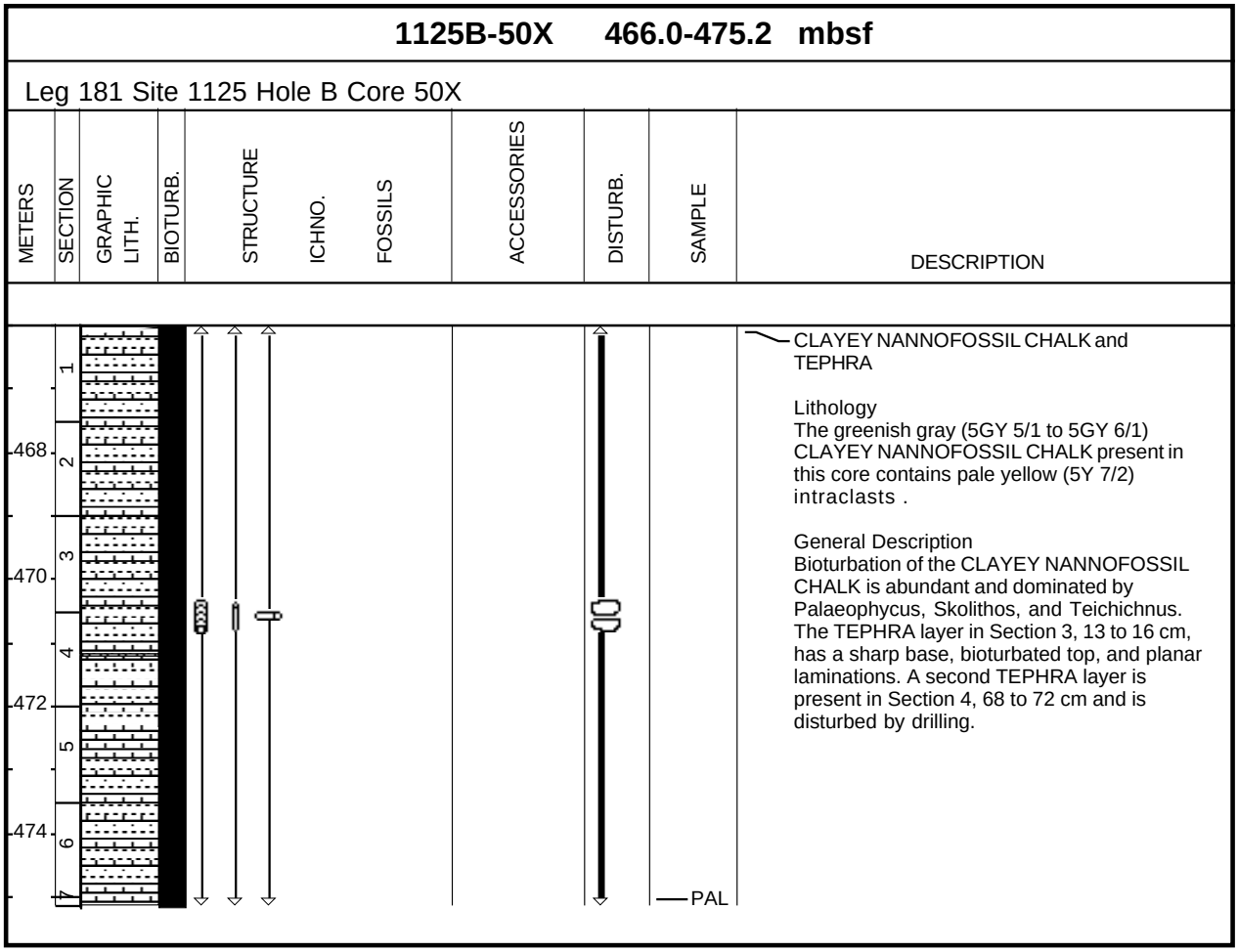
Core Photo


1125B-48X 446.8-456.4 mbsf
Leg 181 Site 1125 Hole B Core 48X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
448
450
1
2
3
4
PAL
CLAYEY NANNOFOSSIL CHALK and TEPHRA
Lithology
This core is comprised of greenish gray (5GY 6/1) CLAYEY NANNOFOSSIL CHALK and TEPHRA.
General Description
This core contains abundant bioturbation of the CLAYEY NANNOFOSSIL CHALK; Teichichnus and Palaeophycus are present throughout and a single Zoophycos occurs in Section 2, 60 cm. The TEPHRA layer in Section 2, 17 to 22 cm, is heavily disturbed.

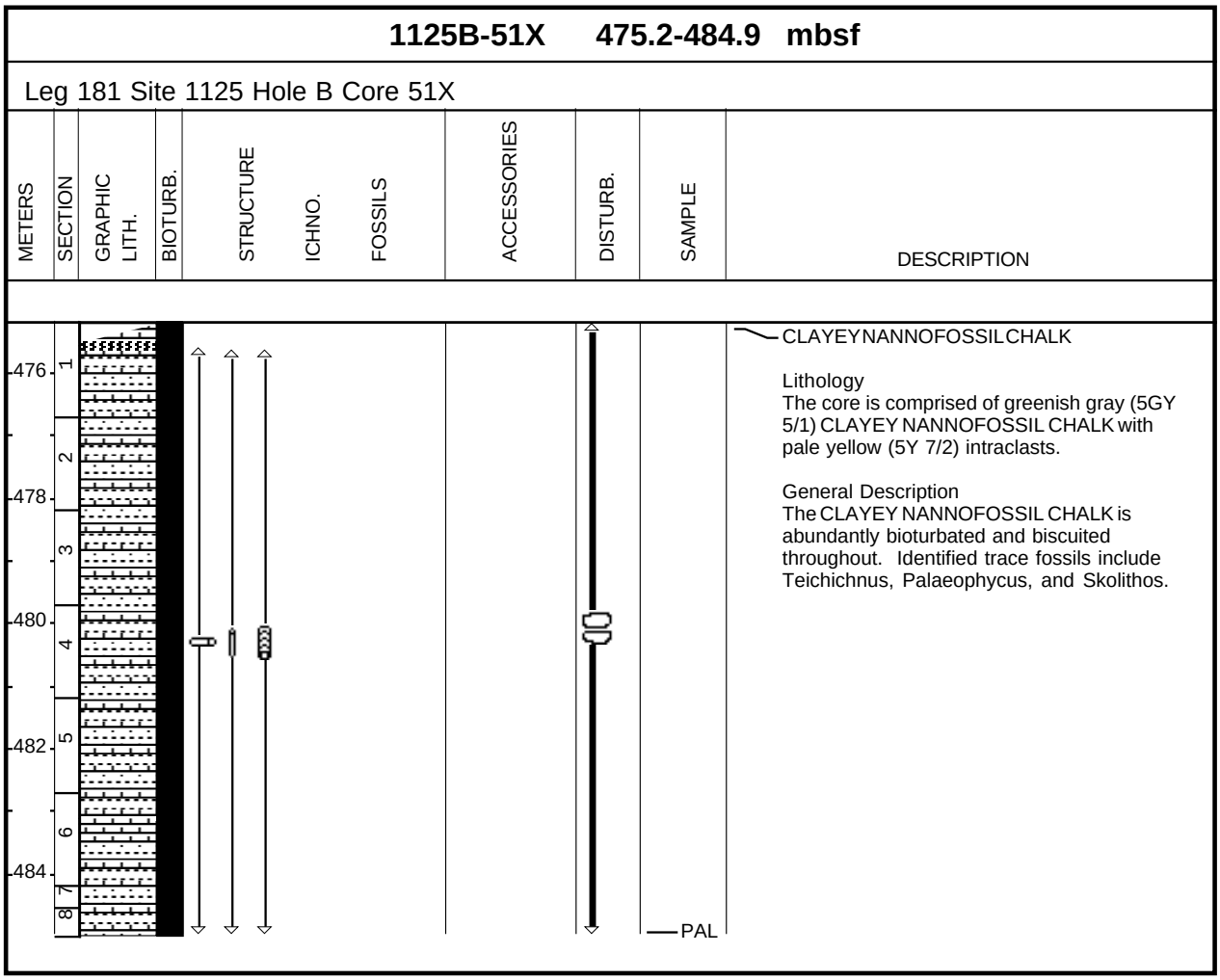
Core Photo


1125B-49X 456.4-466.0 mbsf
Leg 181 Site 1125 Hole B Core 49X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
458
460
462
464
466
1
2
3
4
5
6
7
CC
IW
PAL
CLAYEY NANNOFOSSIL CHALK and TEPHRA
Lithology
The greenish gray (5GY 5/1 to 5GY 6/1) CLAYEY NANNOFOSSIL CHALK present in this core contains intraclasts of pale yellow (5Y 7/2) NANNOFOSSIL CHALK.
General Description
Bioturbation of the CLAYEY NANNOFOSSIL CHALK is abundant and Palaeophycus, Zoophycos, and Teichichnus are present. Three TEPHRA layers are present in Section 3, 90 to 95 cm, Section 5, 12 to 44 cm, and Section 6, 17 to 20 cm. All are highly disturbed by drilling. Abundant biscuiting has occurred.

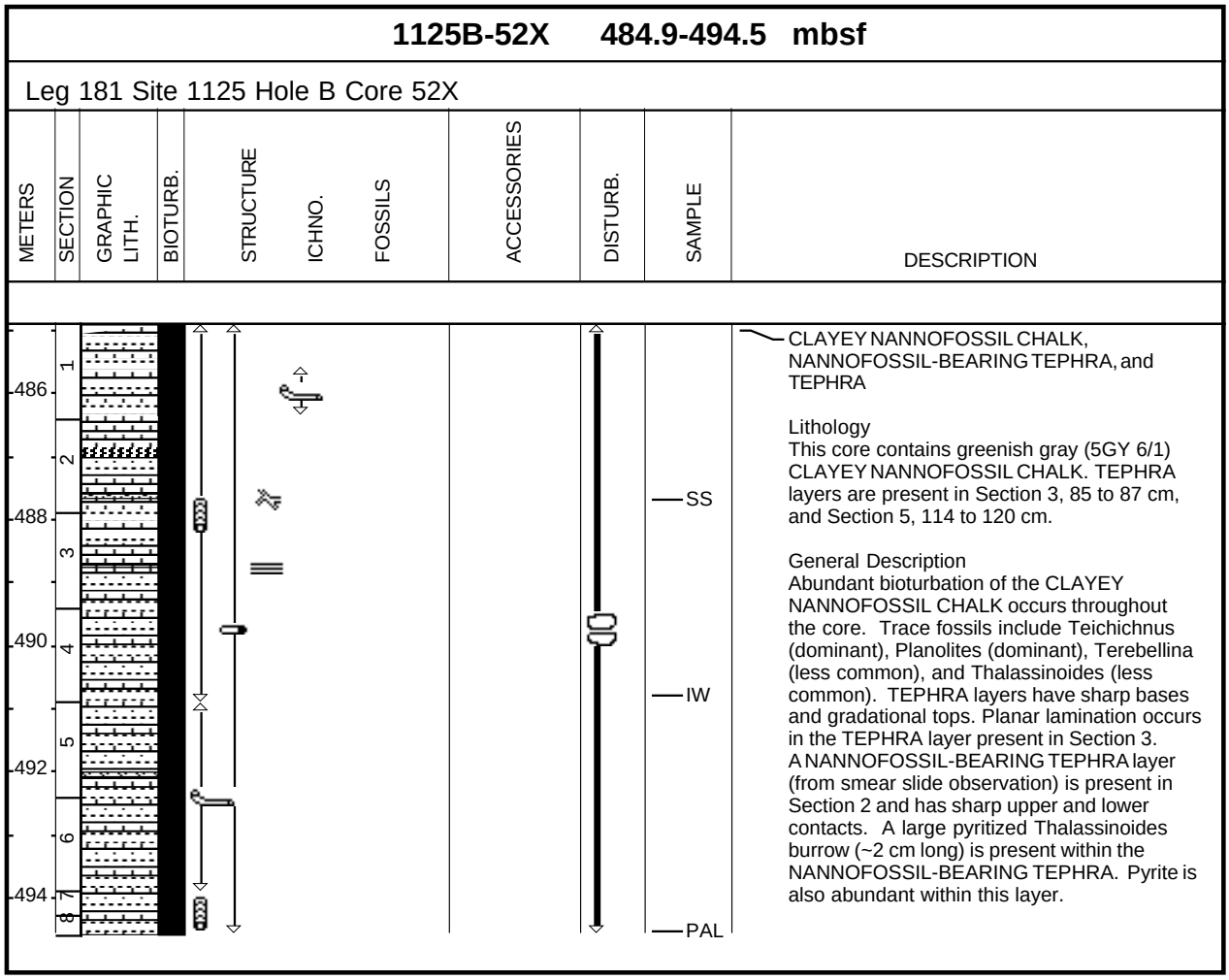
Core Photo


1125B-50X 466.0-475.2 mbsf
Leg 181 Site 1125 Hole B Core 50X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
468
470
472
474
1
2
3
4
5
6
7
PAL
CLAYEY NANNOFOSSIL CHALK and TEPHRA
Lithology
The greenish gray (5GY 5/1 to 5GY 6/1) CLAYEY NANNOFOSSIL CHALK present in this core contains pale yellow (5Y 7/2) intraclasts .
General Description
Bioturbation of the CLAYEY NANNOFOSSIL CHALK is abundant and dominated by Palaeophycus, Skolithos, and Teichichnus. The TEPHRA layer in Section 3, 13 to 16 cm, has a sharp base, bioturbated top, and planar laminations. A second TEPHRA layer is present in Section 4, 68 to 72 cm and is disturbed by drilling.

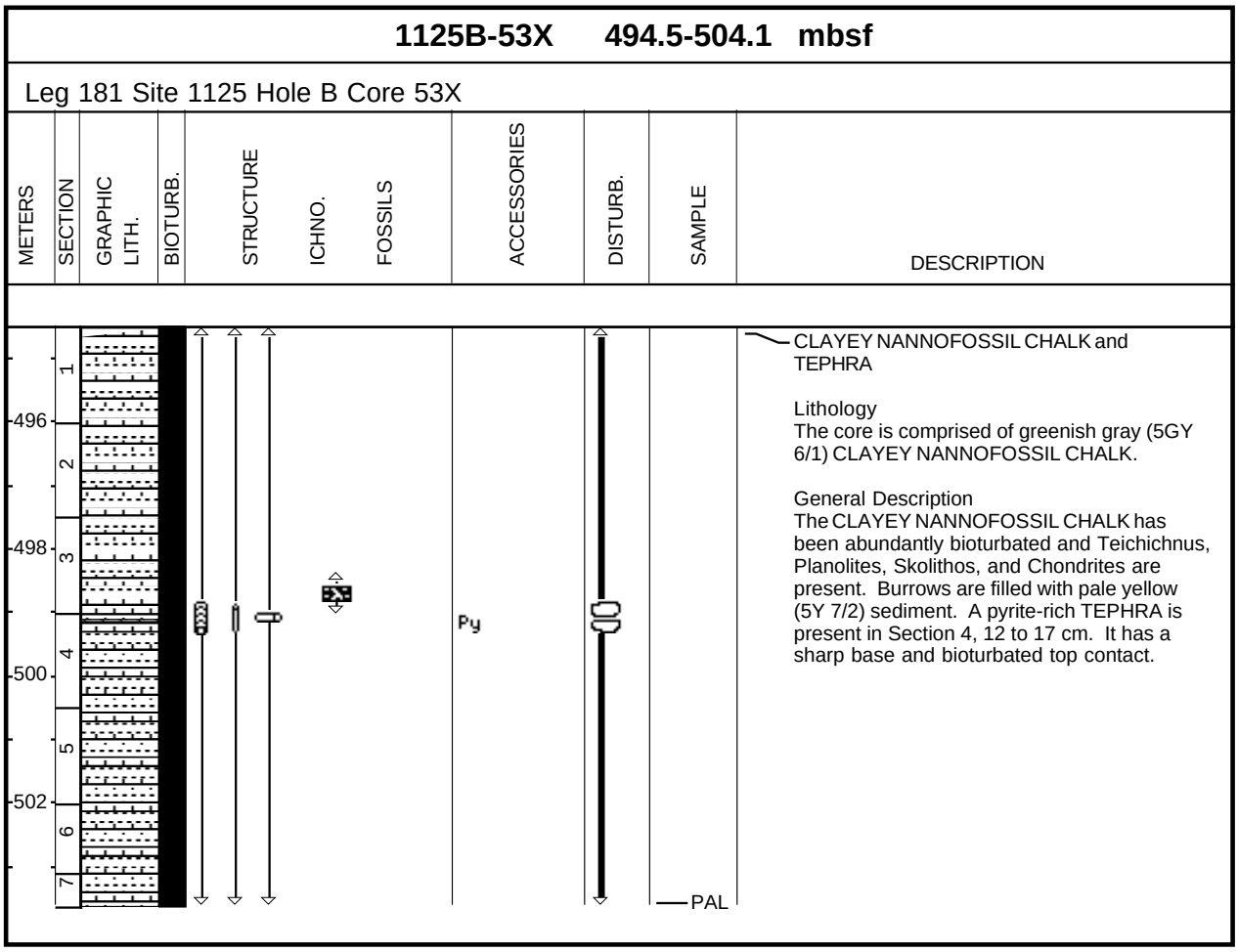
Core Photo


1125B-51X 475.2-484.9 mbsf
Leg 181 Site 1125 Hole B Core 51X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
476
478
480
482
484
1
2
3
4
5
6
7
CLAYEY NANNOFOSSIL CHALK
Lithology
The core is comprised of greenish gray (5GY 5/1) CLAYEY NANNOFOSSIL CHALK with pale yellow (5Y 7/2) intraclasts.
General Description
The CLAYEY NANNOFOSSIL CHALK is abundantly bioturbated and biscuited throughout. Identified trace fossils include Teichichnus, Palaeophycus, and Skolithos.
PAL

Core Photo


1125B-52X 484.9-494.5 mbsf
Leg 181 Site 1125 Hole B Core 52X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
486
488
490
492
494
1
2
3
4
5
6
7
SS
IW
PAL
CLAYEY NANNOFOSSIL CHALK, NANNOFOSSIL-BEARING TEPHRA, and TEPHRA
Lithology
This core contains greenish gray (5GY 6/1) CLAYEY NANNOFOSSIL CHALK. TEPHRA layers are present in Section 3, 85 to 87 cm, and Section 5, 114 to 120 cm.
General Description
Abundant bioturbation of the CLAYEY NANNOFOSSIL CHALK occurs throughout the core. Trace fossils include Teichichnus (dominant), Planolites (dominant), Terebellina (less common), and Thalassinoides (less common). TEPHRA layers have sharp bases and gradational tops. Planar lamination occurs in the TEPHRA layer present in Section 3. A NANNOFOSSIL-BEARING TEPHRA layer (from smear slide observation) is present in Section 2 and has sharp upper and lower contacts. A large pyritized Thalassinoides burrow (~2 cm long) is present within the NANNOFOSSIL-BEARING TEPHRA. Pyrite is also abundant within this layer.

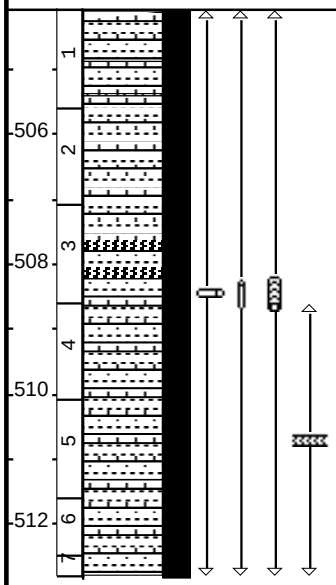
Core Photo


1125B-53X 494.5-504.1 mbsf
Leg 181 Site 1125 Hole B Core 53X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
496
498
500
502
1
2
3
4
5
6
7
Py
PAL
CLAYEY NANNOFOSSIL CHALK and TEPHRA
Lithology
The core is comprised of greenish gray (5GY 6/1) CLAYEY NANNOFOSSIL CHALK.
General Description
The CLAYEY NANNOFOSSIL CHALK has been abundantly bioturbated and Teichichnus, Planolites, Skolithos, and Chondrites are present. Burrows are filled with pale yellow (5Y 7/2) sediment. A pyrite-rich TEPHRA is present in Section 4, 12 to 17 cm. It has a sharp base and bioturbated top contact.

Core Photo

1125B-54X 504.1-513.8 mbsf

Leg 181 Site 1125 Hole B Core 54X

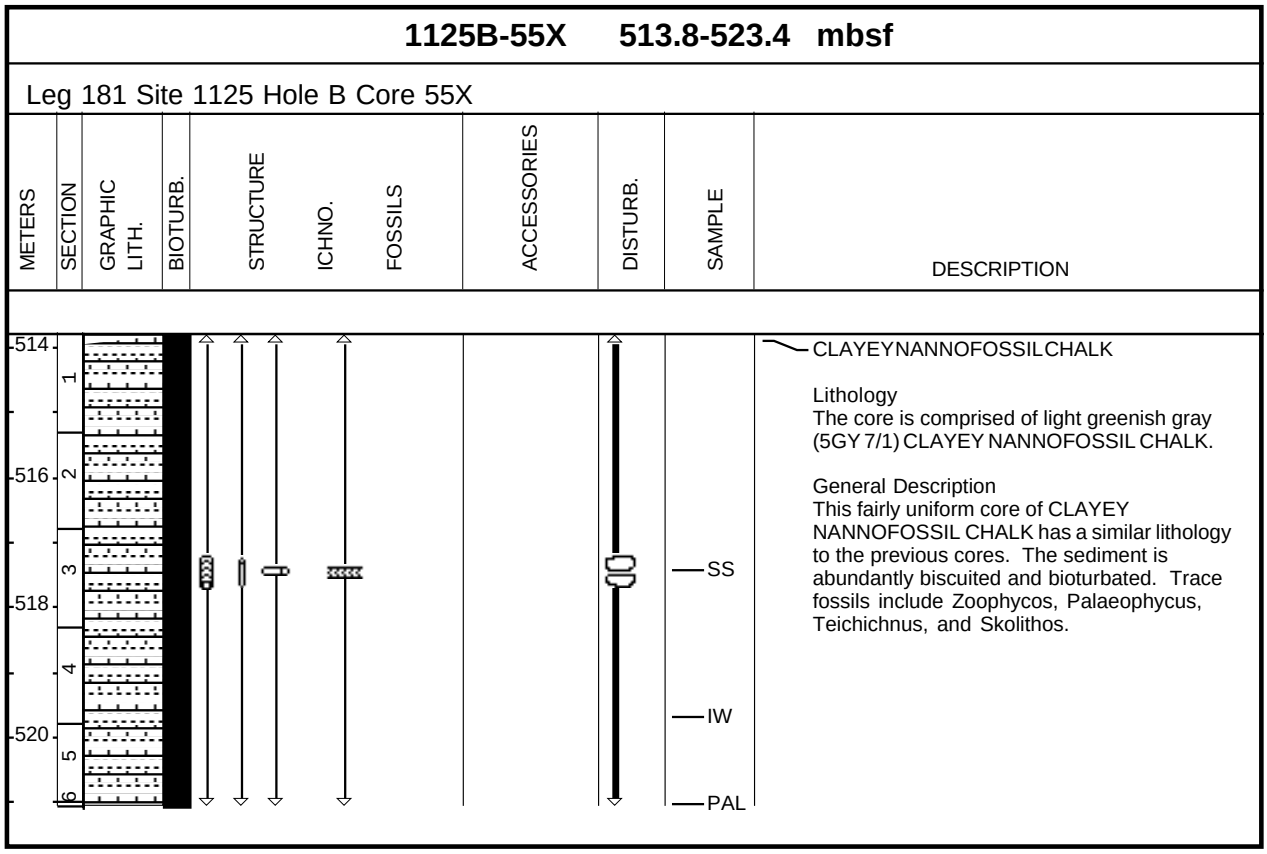


CLAYEY NANNOFOSSIL CHALK and TEPHRA

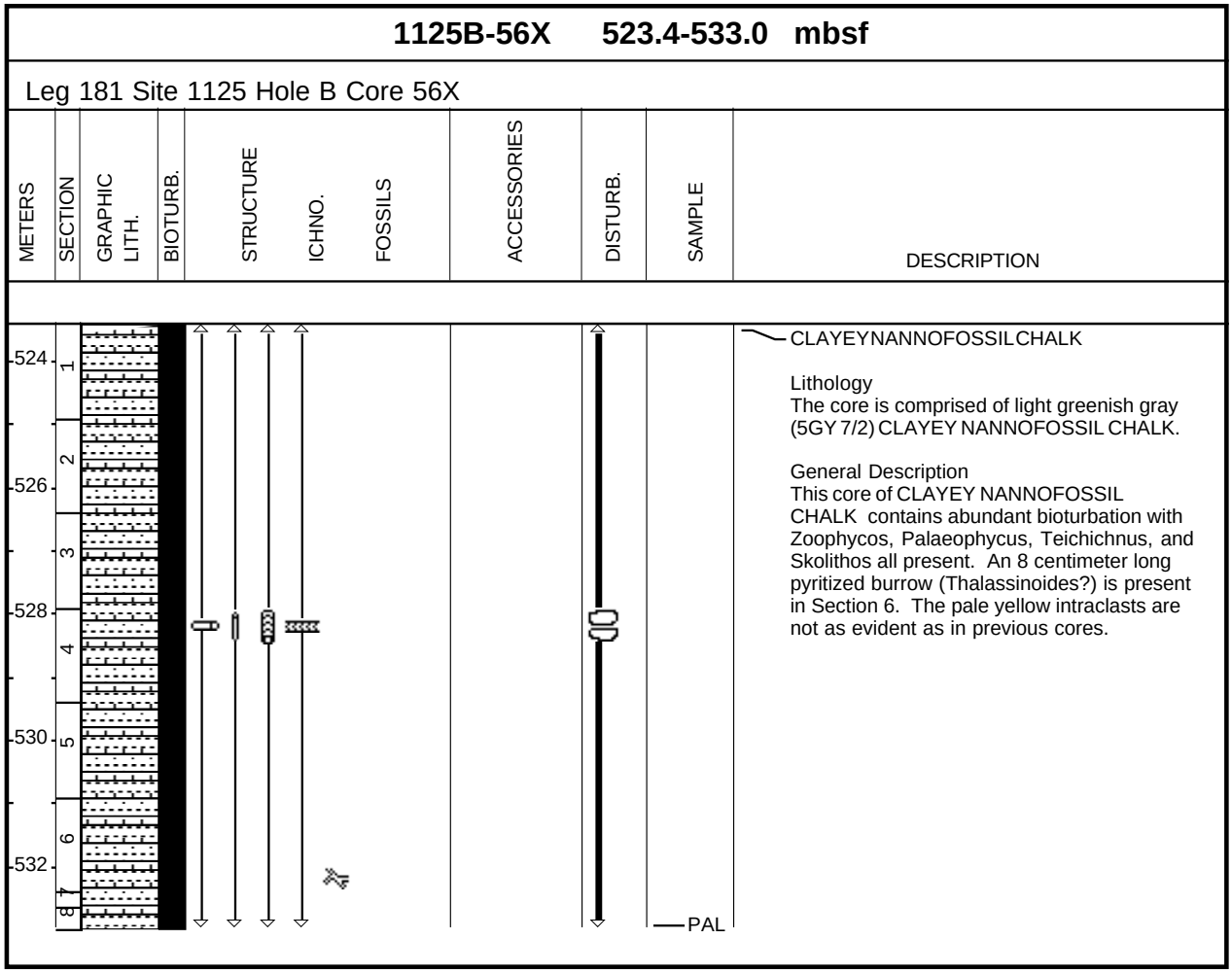
Lithology
The core contains greenish gray (5GY 6/1) to olive gray (5Y 6/3) CLAYEY NANNOFOSSIL CHALK. TEPHRA layers are present in Section 1, 80 to 81 cm, and 130 to 138 cm.

General Description
Abundant bioturbation of the CLAYEY NANNOFOSSIL CHALK occurs throughout the core. Trace fossils include Skolithos, Planolites, Zoophycos, and Teichichnus. Contacts between color differences are bioturbated. The two TEPHRA layers present in Section 1 may have been disturbed by coring. Section 4 was split 90 degrees from normal orientation.

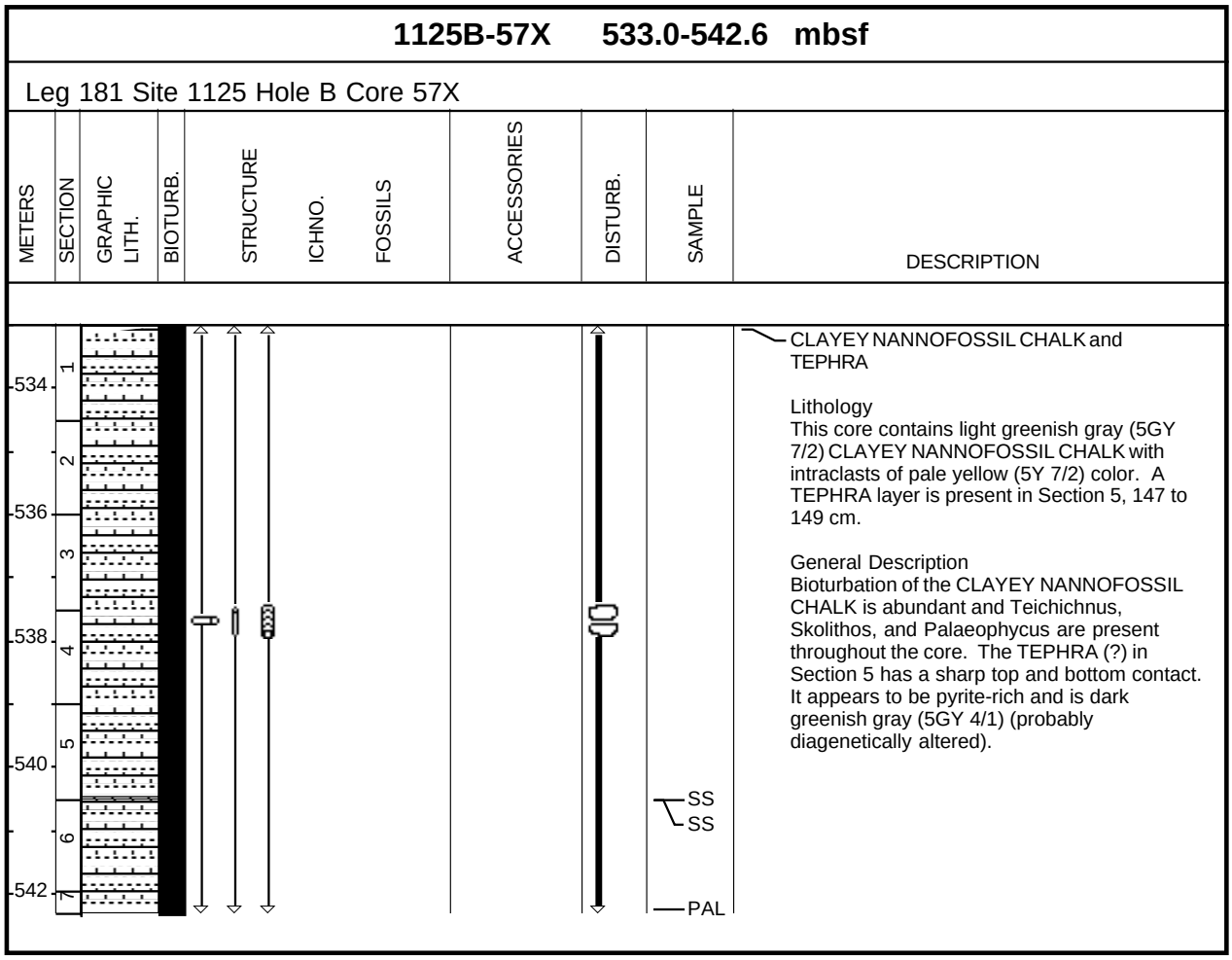
Core Photo


1125B-55X 513.8-523.4 mbsf
Leg 181 Site 1125 Hole B Core 55X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
514
516
518
520
1
2
3
4
5
6
SS
IW
PAL
CLAYEY NANNOFOSSIL CHALK
Lithology
The core is comprised of light greenish gray (5GY 7/1) CLAYEY NANNOFOSSIL CHALK.
General Description
This fairly uniform core of CLAYEY NANNOFOSSIL CHALK has a similar lithology to the previous cores. The sediment is abundantly biscuited and bioturbated. Trace fossils include Zoophycos, Palaeophycus, Teichichnus, and Skolithos.

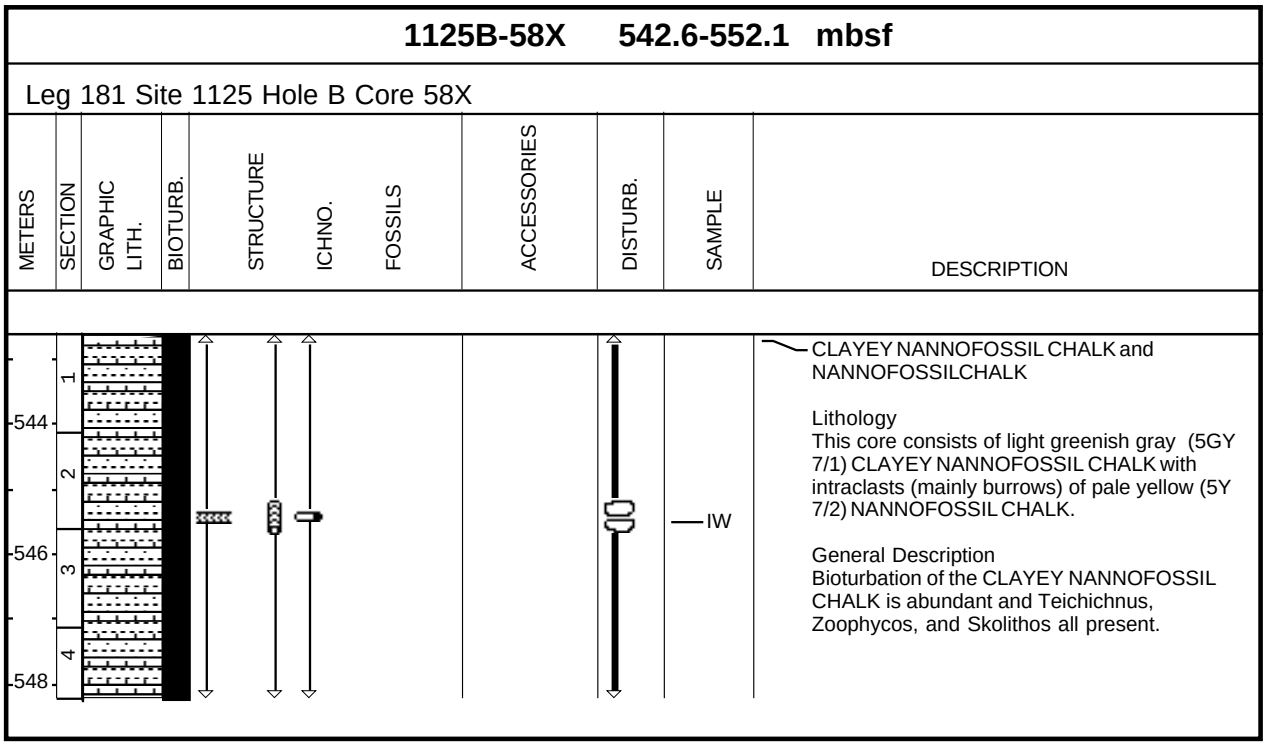
Core Photo


1125B-56X 523.4-533.0 mbsf
Leg 181 Site 1125 Hole B Core 56X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
524
526
528
530
532
1
2
3
4
5
6
7
8
PAL
CLAYEY NANNOFOSSIL CHALK
Lithology
The core is comprised of light greenish gray (5GY 7/2) CLAYEY NANNOFOSSIL CHALK.
General Description
This core of CLAYEY NANNOFOSSIL CHALK contains abundant bioturbation with Zoophycos, Palaeophycus, Teichichnus, and Skolithos all present. An 8 centimeter long pyritized burrow (Thalassinoides?) is present in Section 6. The pale yellow intraclasts are not as evident as in previous cores.

Core Photo


1125B-57X 533.0-542.6 mbsf
Leg 181 Site 1125 Hole B Core 57X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
534
536
538
540
542
1
2
3
4
5
6
7
SS
SS
PAL
CLAYEY NANNOFOSSIL CHALK and TEPHRA
Lithology
This core contains light greenish gray (5GY 7/2) CLAYEY NANNOFOSSIL CHALK with intraclasts of pale yellow (5Y 7/2) color. A TEPHRA layer is present in Section 5, 147 to 149 cm.
General Description
Bioturbation of the CLAYEY NANNOFOSSIL CHALK is abundant and Teichichnus, Skolithos, and Palaeophycus are present throughout the core. The TEPHRA (?) in Section 5 has a sharp top and bottom contact. It appears to be pyrite-rich and is dark greenish gray (5GY 4/1) (probably diagenetically altered).

Core Photo


1125B-58X 542.6-552.1 mbsf
Leg 181 Site 1125 Hole B Core 58X
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
FOSSILS
ACCESSORIES
DISTURB.
SAMPLE
DESCRIPTION
544
546
548
1
2
3
4
IW
CLAYEY NANNOFOSSIL CHALK and NANNOFOSSILCHALK
Lithology
This core consists of light greenish gray (5GY 7/1) CLAYEY NANNOFOSSIL CHALK with intraclasts (mainly burrows) of pale yellow (5Y 7/2) NANNOFOSSIL CHALK.
General Description
Bioturbation of the CLAYEY NANNOFOSSIL CHALK is abundant and Teichichnus, Zoophycos, and Skolithos all present.

Site 1125 Smear Slides									Texture			Mineral										Biogenic							
Leg	Site	H	Cor	CT	Sct	Top	Depth (mbsf)	Lithology	Sand	Silt	Clay	Calcite (30)	Carbonate (35)	Clay (47)	Feldspar (71)	Glauconite (82)	Heavy Minerals (89)	Mica (118)	Pyrite (169)	Quartz (172)	Volcanic Glass (81)	Diatoms (58)	Foraminifers (78)	Nannofossils (132)	Radiolarians (173)	Silicoflagellates (189)	Skeletal Debris (192)	Sponge Spicules (199)	Comments
181	1125	A	1	H	1	45	0.45	D	30	30	40			P	P		*				C		P	P			P	R	
181	1125	A	1	H	1	45	0.45	D	30	30	40			P	P	*					C		P	P			P	R	
181	1125	A	1	H	2	55	2.05	D	20	40	40		P	P	R						R		P	C				R	
181	1125	A	1	H	2	55	2.05	D	20	40	40	P		P	R						R		P	C				R	
181	1125	A	1	H	3	71	3.71	M	50	30	20			P	R						C		C	C			P	R	
181	1125	A	1	H	3	71	3.71	M	50	30	20			P	R						C		C	C			P	R	
181	1125	A	2	H	1	49	4.79	M	25	30	45	P		R									P	D			P	R	
181	1125	A	4	H	4	100	28.8	D	30	40	30	P		C	C			P	P		C	P	C	C	P		C	P	
181	1125	A	6	H	1	82	43.12	D	30	30	40	C			C	C			C		*	P	A	C	P		A	P	GLAUCONITE OCCURRENCE
181	1125	A	8	H	4	145	67.25	M	30	30	40	C			P	A		P	P		P	P	A	A	P		C	P	GLAUCONITE
181	1125	A	9	H	4	25	75.55	D	10	20	70	C		A	C			P	P			P	P	A	P			P	GREEN LAYERS
181	1125	A	9	H	6	17	78.47	D	20	30	50	P		P	P	P			P		C	P	A	A	P			P	LIGHT GREENISH
181	1125	A	10	H	5	89	87.19	D	5	15	80	P		C	C			P	P		*	P	C	C	P			P	
181	1125	A	11	H	7	53	99.33	M	50	30	20				P			P	P		D								ASH (V+S)
181	1125	A	12	H	6	37	107.17	D	10	20	70	P		C	C				P		P	P	C	C	P			C	
181	1125	A	14	H	4	92	123.72	D	20	30	50			C	P	P	*				P	R	C	C	*		P	P	
181	1125	A	16	H	4	83	142.6	D	20	30	50			C	R	P			P		P		C	C			P	C	
181	1125	A	21	H	5	82	191.62	D	10	25	65		P	C	P	*			P		P		P	C			P	P	
181	1125	A	22	H	6	130	203.1	D	5	30	65		P	C	P		*		P		P	*	C	P	*			P	
181	1125	B	4	H	4	60	32.4	M	20	20	60			C	C		*	P	C	C	A		C	P	P		C	P	ASH-FORAMINIFER-SILT
181	1125	B	5	H	4	98	42.28	D	30	20	50			C	C	C	P	P	P	C	P	P	C	C	P		C	P	GLAUCONITE-FORAMINIFER-SILT
181	1125	B	6	H	5	135	53.65	M	30	70					P	P		P	P	P	D								ASH (V+S)
181	1125	B	8	H	3	60	68.9	D	5	25	70			P	P	*				P			C	D	P	P		P	
181	1125	B	13	H	1	60	113.4	D	5	15	80		P	P	C				P	C	P		C	D	P	P		P	
181	1125	B	21	X	5	54	195.34	D	5	15	80			D	P					P		P	P	P			P	P	
181	1125	B	24	X	4	76	221.66	M	10	30	60			C	P	*			P	P	P	P	R	C		*		C	
181	1125	B	25	X	5	129	233.29	M	25	25	50			C	P	P				P	P		P	C	*		P	P	
181	1125	B	26	X	2	67	237.77	D	20	30	50		P	C	P	P				P	P		P	C	R			P	
181	1125	B	26	X	4	132	241.42	D	5	25	70			D	R		*				P		P	P			P	P	
181	1125	B	27	X	1	135	246.55	M	20	30	50			D	C	C		P					C	P	P			P	
181	1125	B	33	X	1	34	303.34	D		20	80		P	A	A			*				*	P	A	P	P		P	
181	1125	B	34	X	1	138	313.98	M	20	40	40		C	C	C						A		P	A				P	ASH+NANNOFOSSILS
181	1125	B	34	X	6	40	320.5	M	40	50	10				P		P	P	P	P	D								ASH
181	1125	B	37	X	2	22	342.82	M		20	80		C	A	A				*	A	P	P	C	A	P			C	
181	1125	B	40	X	4	120	375.8	D	10	30	60		P	A	A				P	A	*	P	P	A	P	P		C	
181	1125	B	41	X	5	25	385.95	M	30	60	10				C			P	P	C	D								ASH (V+S)
181	1125	B	47	X	CC	31	446.81	D		10	90		C	A	A			*	*		*		*	A				C	
181	1125	B	52	X	2	125	487.65	M	5	35	60			C	C				C	C	C			C					
181	1125	B	54	X	3	61	507.71	D	2	28	70			C	P				R	P				C			P		