

Core Photo

1125A-1H 0-4.3 mbsf										
Leg 181 Site 1125 Hole A Core 1H										
METERS	SECTION	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ICHNO.	FOSSILS	ACCESSORIES	DISTURB.	SAMPLE	DESCRIPTION
1									SS	FORAMINIFER-BEARING NANNOFOSSIL SILTY CLAY, FORAMINIFER- and NANNOFOSSIL-BEARING SILTY CLAY, NANNOFOSSIL FORAMINIFER SAND, and TEPHRA
2									SS	<p>Lithology</p> <p>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.</p> <p>General Description</p> <p>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.</p>
3									IW	
									SS	
4									PAL	

Core Photo

1125A-2H 4.3-13.8 mbsf										
Leg 181 Site 1125 Hole A Core 2H										
METERS	SECTION	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ICHNO.	FOSSILS	ACCESSORIES	DISTURB.	SAMPLE	DESCRIPTION
1										<p>FORAMINIFERAL-BEARINGCLAYEY NANNOFOSSIL OOZE, FORAMINIFERAL-BEARING NANNOFOSSIL SILTY CLAY, FORAMINIFER SAND, and TEPHRA</p> <p>Lithology This core shows alternations of light gray (5Y 6.5/1) to white (5Y 8/1) FORAMINIFERAL-BEARINGCLAYEY NANNOFOSSIL OOZE with light olive gray (5Y 6/2) FORAMINIFERAL-BEARING NANNOFOSSIL SILTY CLAY.</p> <p>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.</p>
6										
2										
8										
3										
4										
10										
5										
12										
6										
7										

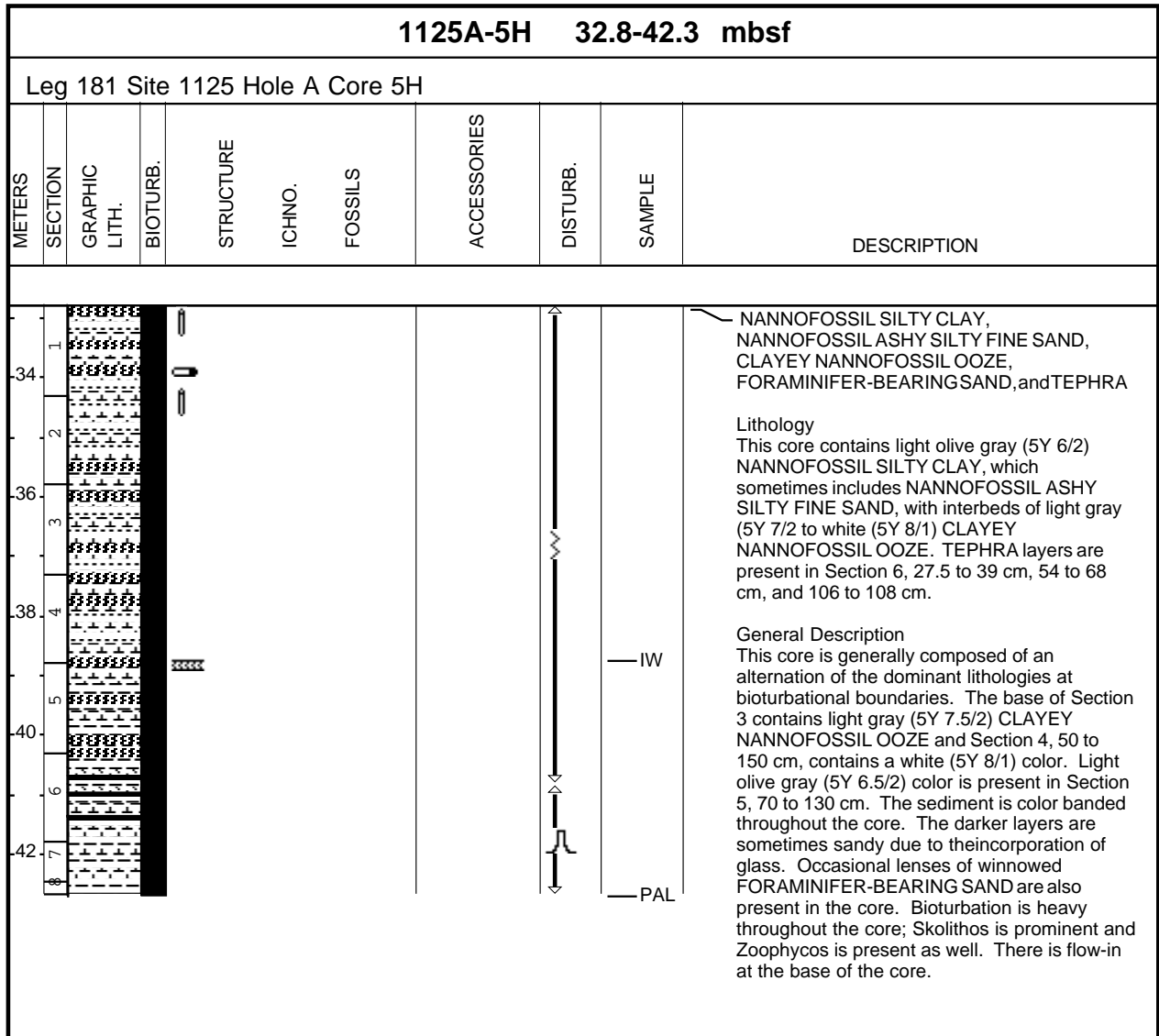
Core Photo

1125A-3H 13.8-23.3 mbsf										
Leg 181 Site 1125 Hole A Core 3H										
METERS	SECTION	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ICHNO.	FOSSILS	ACCESSORIES	DISTURB.	SAMPLE	DESCRIPTION
14	1									FORAMINIFER-BEARING NANNOFOSSIL SILTY CLAY, FORAMINIFER- and NANNOFOSSIL-BEARING SILTY CLAY, TEPHRA, and FORAMINIFER-NANNOFOSSIL SAND
16	2									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.
18	3									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.
20	4									
22	5									
	6									
	7									
	8									

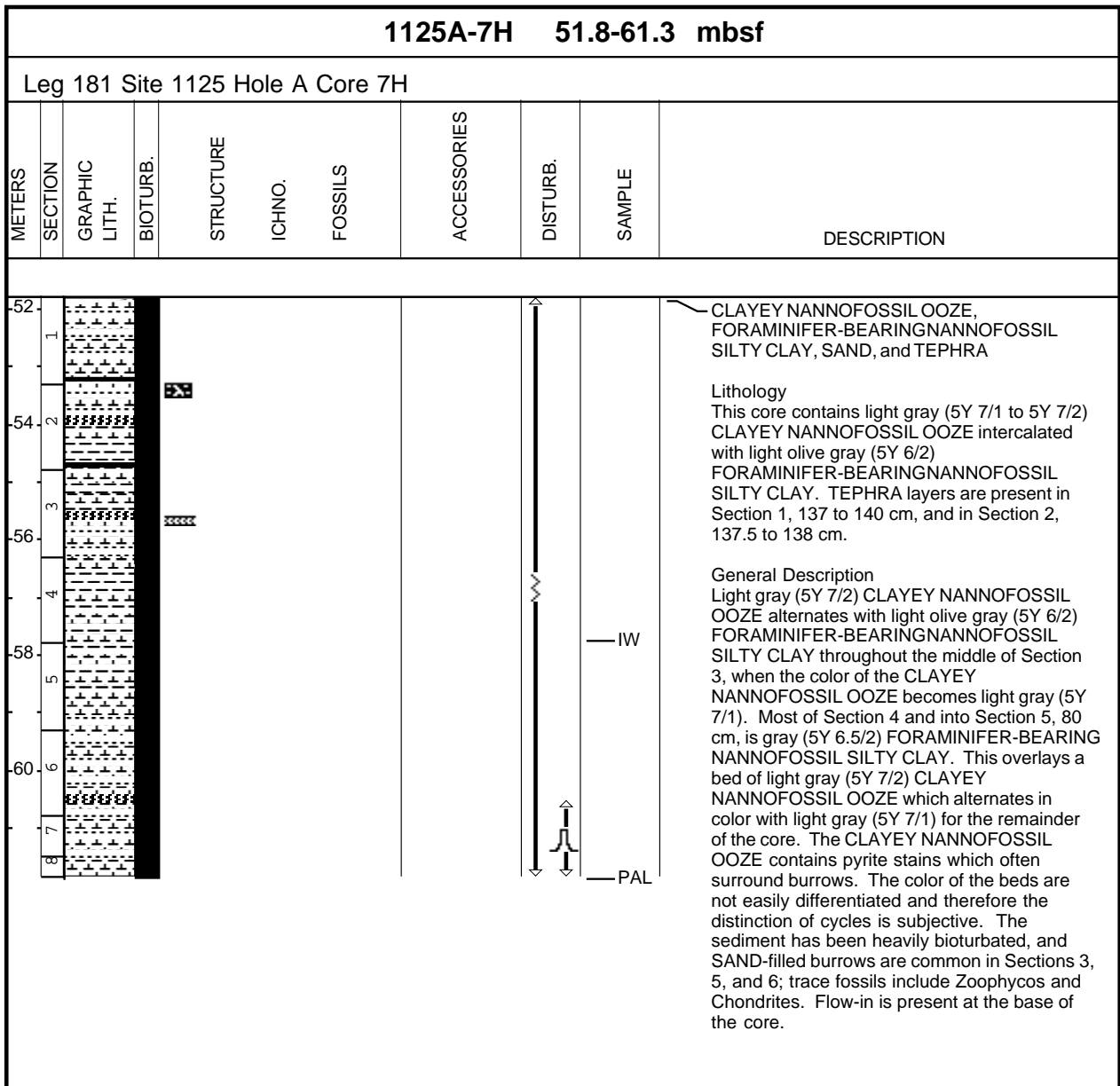
Core Photo

1125A-4H 23.3-32.8 mbsf										
Leg 181 Site 1125 Hole A Core 4H										
METERS	SECTION	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ICHNO.	FOSSILS	ACCESSORIES	DISTURB.	SAMPLE	DESCRIPTION
24	1									<p>FORAMINIFER-BEARING CLAYEY NANNOFOSSIL OOZE, FORAMINIFER-BEARING ASHY NANNOFOSSIL SILT, COARSE SILT, FINE SAND, and TEPHRA</p> <p>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.</p> <p>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</p>
26	2									
28	3									
30	4									
30	5								SS	
32	6								PAL	
32	7									

Core Photo



Core Photo



Core Photo

1125A-8H 61.3-70.8 mbsf										
Leg 181 Site 1125 Hole A Core 8H										
METERS	SECTION	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ICHNO.	FOSSILS	ACCESSORIES	DISTURB.	SAMPLE	DESCRIPTION
62	1									<p>CLAYEY NANNOFOSSIL OOZE and FORAMINIFER-BEARING NANNOFOSSIL SILTY CLAY</p> <p>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.</p> <p>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-BEARING NANNOFOSSIL SILTY CLAY sections, and glauconite 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.</p>
64	2									
66	3									
68	4									
68	5									
70	6									
70	7									

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	1									<p>NANNOFOSSIL-BEARING SILTY CLAY, NANNOFOSSIL OOZE, PUMICE, and TEPHRA</p> <p>Lithology This core contains greenish gray (5GY 6/1) NANNOFOSSIL-BEARING SILTY CLAY with light gray (5GY 7/1) NANNOFOSSIL OOZE.</p> <p>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.</p>
92	2									
94	3									
96	4									
98	5									
	6									
	7									
	8									

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	1	[Hatched pattern]								<p>NANNOFOSSIL-BEARING SILTY CLAY and NANNOFOSSIL SILTY CLAY</p> <p>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.</p> <p>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.</p>
102	2	[Hatched pattern]								
103	3	[Hatched pattern]								
104	4	[Hatched pattern]								
105	5	[Hatched pattern]								
106	6	[Hatched pattern]							SS	
107	7	[Hatched pattern]								
108	8	[Hatched pattern]							PAL	

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	1									<p>NANNOFOSSIL-BEARING SILTY CLAY</p> <p>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.</p> <p>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.</p> <p>IW</p> <p>PAL</p>
112	2									
114	3									
116	4									
118	5									
	6									
	7									
	8									

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.	DESCRIPTION
138	1								<p>FORAMINIFER-BEARING CLAYEY NANNOFOSSIL OOZE and CLAY-BEARING NANNOFOSSIL OOZE</p> <p>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.</p> <p>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.</p>
140	2								
142	3								
144	4							SS	
146	5								
	6								
	7								
	8							PAL	

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
1										<p>FORAMINIFERAL-BEARING NANNOFOSSIL CLAY and CLAY-BEARING NANNOFOSSIL OOZE</p> <p>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.</p> <p>General Description The contacts between the FORAMINIFERAL-BEARING NANNOFOSSIL 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.</p>
158	2									
160	3									
162	4									
164	5									
166	6									
	7									
	8									

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	1									<p>CLAY-BEARING NANNOFOSSIL OOZE and FORAMINIFERAL-BEARING CLAYEY NANNOFOSSILOOZE</p> <p>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 NANNOFOSSILOOZE.</p> <p>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.</p>
168	2									
170	3									
172	4									
174	5									
	6									
	7									
	8									
										<p>— PAL</p> <p>— PAL</p>

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	1									<p>CLAY-BEARING NANNOFOSSIL OOZE, FORAMINIFER-BEARING CLAYEY NANNOFOSSIL OOZE, and TEPHRA</p> <p>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.</p> <p>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.</p> <p>— PAL</p>
178	2									
	3									
180	4									
182	5									
	6									
184	7									
	8									

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	1									<p>NANNOFOSSIL-BEARING SILTY CLAY and TEPHRA</p> <p>Lithology This core is comprised of light greenish gray (5G 7/1 to 5GY 7/1) NANNOFOSSIL-BEARING SILTY CLAY.</p> <p>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.</p>
198	2									
200	3									
202	4									
	5									
	6									
	7									

Core Photo

1125B-1H 0-8.3 mbsf							
Leg 181 Site 1125 Hole B Core 1H							
METERS	SECTION	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ICHNO.	FOSSILS	DESCRIPTION
1							<p>FORAMINIFER-BEARING NANNOFOSSIL SILTY CLAY, FORAMINIFER- and NANNOFOSSIL-BEARING SILTY CLAY, NANNOFOSSIL AND FORAMINIFER SAND, PUMICE, and TEPHRA</p> <p>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.</p> <p>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 <i>Thalassinoides</i> and <i>Skolithos</i>. Bioturbation is common throughout the core and identified trace fossils include <i>Thalassinoides</i> and <i>Skolithos</i>. 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.</p>
2							
3							
4							
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6							
7							
8							

Core Photo

1125B-4H 27.3-36.8 mbsf										
Leg 181 Site 1125 Hole B Core 4H										
MEETERS	SECTION	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ICHNO.	FOSSILS	ACCESSORIES	DISTURB.	SAMPLE	DESCRIPTION
28	1									<p>NANNOFOSSIL- and FORAMINIFER-BEARING SILTY CLAY, FORAMINIFER-BEARING NANNOFOSSIL SILTY CLAY, ASH-BEARING FORAMINIFER SILTY CLAY, and TEPHRA</p> <p>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).</p> <p>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.</p>
30	2									
32	3									
34	4								SS	
36	5									
	6									
	7								PAL	

Core Photo

1125B-5H 36.8-46.3 mbsf										
Leg 181 Site 1125 Hole B Core 5H										
METERS	SECTION	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ICHNO.	FOSSILS	ACCESSORIES	DISTURB.	SAMPLE	DESCRIPTION
38	1									<p>FORAMINIFER-BEARING CLAYEY NANNOFOSSIL OOZE, FORAMINIFER-BEARING NANNOFOSSIL SILTY CLAY, FORAMINIFER-BEARING SILTY SAND, and TEPHRA</p> <p>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).</p> <p>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.</p>
40	2									
42	3									
44	4									
46	5									
	6									
	7									

Core Photo

1125B-6H 46.3-55.8 mbsf										
Leg 181 Site 1125 Hole B Core 6H										
METERS	SECTION	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ICHNO.	FOSSILS	ACCESSORIES	DISTURB.	SAMPLE	DESCRIPTION
1										<p>FORAMINIFER-BEARING CLAYEY NANNOFOSSIL OOZE, FORAMINIFER-BEARING NANNOFOSSIL SILTY CLAY, SAND, and TEPHRA</p> <p>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.</p> <p>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.</p>
48	2									
50	3									
52	4									
54	5									
54	6									
56	7									

Core Photo

1125B-7H 55.8-65.3 mbsf										
Leg 181 Site 1125 Hole B Core 7H										
METERS	SECTION	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ICHNO.	FOSSILS	ACCESSORIES	DISTURB.	SAMPLE	DESCRIPTION
56	1									<p>FORAMINIFER-BEARING NANNOFOSSIL SILTY CLAY, FORAMINIFER-BEARING SILTY SAND, SAND, and FORAMINIFER-BEARING CLAYEY NANNOFOSSIL OOZE</p> <p>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.</p> <p>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.</p>
58	2									
60	3									
62	4									
64	5									
64	6									
	7									
	8									

Core Photo

1125B-8H 65.3-74.8 mbsf										
Leg 181 Site 1125 Hole B Core 8H										
METERS	SECTION	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ICHNO.	FOSSILS	ACCESSORIES	DISTURB.	SAMPLE	DESCRIPTION
66	1									FORAMINIFEROOZE 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.
68	2									
70	3									SS
72	4									Py
74	5									PAL

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	1									<p>NANNOFOSSIL SILTY CLAY, FORAMINIFER OOZE, and SAND</p> <p>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.</p> <p>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.</p>
78	2									
	3									
80	4									
82	5									
	6									
	7									
84	8									
										<p>Pyrite smears (associated with Chondrites) are present throughout the core.</p> <p>— PAL</p>

Core Photo

1125B-11H 93.8-103.3 mbsf										
Leg 181 Site 1125 Hole B Core 11H										
METERS	SECTION	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ICHNO.	FOSSILS	ACCESSORIES	DISTURB.	SAMPLE	DESCRIPTION
94	1									<p>CLAY-BEARING NANNOFOSSIL OOZE, NANNOFOSSIL-BEARING SILTY CLAY, and TEPHRA</p> <p>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.</p> <p>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.</p>
96	2									
98	3									
100	4									
102	5									
	6									
	7									
	8									

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	1									<p>CLAY-BEARING NANNOFOSSIL OOZE and NANNOFOSSIL-BEARING SILTY CLAY</p> <p>Lithology This core contains light gray (5GY 7/1) CLAY-BEARING NANNOFOSSIL OOZE and light olive gray (5Y 6/2) NANNOFOSSIL-BEARING SILTY CLAY.</p> <p>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.</p>
126	2									
128	3									
130	4									
132	5									
	6									
	7									
	8									
										<p>Pyrite smears (Py)</p> <p>Planolites (PAL)</p>

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	1									<p>NANNOFOSSIL-BEARING SILTY CLAY, CLAY-BEARING NANNOFOSSIL OOZE, and TEPHRA</p> <p>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.</p> <p>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.</p>
134	2									
136	3									
138	4									
140	5									
	6									
	7									
										<p>Py</p> <p>Py</p> <p>PAL</p>

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	1									<p>NANNOFOSSIL-BEARING SILTY CLAY and CLAY-BEARING NANNOFOSSILOOZE</p> <p>Lithology This core contains greenish gray (5GY 6/1) NANNOFOSSIL-BEARING SILTY CLAY and light greenish gray (5GY 7/1) CLAY-BEARING NANNOFOSSILOOZE.</p> <p>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.</p>
144	2									
146	3									
148	4									
150	5									
	6									
	7									
	8									
										<p>Py</p> <p>PAL</p>

Core Photo

1125B-19H 169.8-179.3 mbsf										
Leg 181 Site 1125 Hole B Core 19H										
METERS	SECTION	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ICHNO.	FOSSILS	ACCESSORIES	DISTURB.	SAMPLE	DESCRIPTION
170	1									<p>NANNOFOSSIL-BEARING SILTY CLAY, SANDY SILT, and TEPHRA</p> <p>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.</p> <p>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.</p>
172	2									
174	3									
176	4									
178	5									
	6									
	7									
	8									

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	1							ooo		<p>CLAY-BEARING NANNOFOSSIL OOZE and TEPHRA</p> <p>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.</p> <p>General Description There is common bioturbation of the CLAY-BEARING NANNOFOSSIL OOZE. Chondrites is the only visible trace fossil.</p> <p>— SMP</p> <p>— PAL</p>
182	2									
184	3									
184	4									
186	5									
186	6									
188	7									

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	1									<p>NANNOFOSSIL-BEARING SILTY CLAY</p> <p>Lithology The core is comprised of light gray (5Y 7/1) to light greenish gray (5GY 7/1) NANNOFOSSIL-BEARING SILTY CLAY.</p> <p>General Description The NANNOFOSSIL-BEARING SILTY CLAY is moderately biscuitied. 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.</p> <p>— IW — SS — PAL</p>
192	2									
194	3									
194	4									
196	5									
196	6									
198	7									
198	8									

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	1									<p>NANNOFOSSIL-BEARING SILTY CLAY</p> <p>Lithology The core is comprised of light greenish gray (5GY 7/1) NANNOFOSSIL-BEARING SILTY CLAY.</p> <p>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.</p> <p>— PAL</p>
200	2									
202	3									
204	4									
206	5									
	6									
	7									
	8									

Core Photo

1125B-24X 216.4-226.0 mbsf							
Leg 181 Site 1125 Hole B Core 24X							
METERS	SECTION	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ICHNO.	FOSSILS	DESCRIPTION
218	1						<p>NANNOFOSSIL-BEARING MUDSTONE, CLAY-BEARING NANNOFOSSIL CHALK, ASH-BEARING CLAY, and TEPHRA</p> <p>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.</p> <p>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.</p>
220	2						
222	3						
	4						
	5						
	6						
							<p>— SS</p> <p>— PAL</p>

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	1									<p>NANNOFOSSIL MUDSTONE and CLAYEY NANNOFOSSIL CHALK</p> <p>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.</p> <p>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.</p>
-238	2									
-240	3									
-242	4									
-244	5									
	6									
	7									
	8									

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	1									<p>CLAYEY NANNOFOSSIL CHALK</p> <p>Lithology The core is comprised of light greenish gray (5BG 7/1) CLAYEY NANNOFOSSIL CHALK.</p> <p>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.</p> <p>PAL</p>
278	2									
	3									
	4									
	5									
	6									
282	7									

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	1									<p>CLAYEYNANNOFOSSILCHALK</p> <p>Lithology This core contains very light gray (5Y 7.5/1) CLAYEYNANNOFOSSILCHALK.</p> <p>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.</p>
306	2									
308	3									
310	4									
312	5									
	6									
	7									
	8									
										<p>SS</p> <p>Py</p> <p>IW</p> <p>PAL</p>




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	1									<p>CLAYEY NANNOFOSSIL CHALK, CLAY-BEARING NANNOFOSSIL CHALK, NANNOFOSSILASH, and TEPHRA</p> <p>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).</p> <p>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.</p>
316	2									
318	3									
320	4									
	5									
	6									
	7									
										<p>— SS</p> <p>— SS</p> <p>— PAL</p>

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
1										<p>CLAYEY NANNOFOSSIL CHALK and TEPHRA</p> <p>Lithology This core contains very light gray (5Y 7.5/1) to white (5Y 8/1) CLAYEY NANNOFOSSIL CHALK.</p> <p>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.</p>
324	2									
326	3									
328	4									
	5									
	6									
	7									
	8									
										<p>IW</p> <p>PAL</p>

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	<p>CLAYEY NANNOFOSSIL CHALK and TEPHRA</p> <p>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.</p> <p>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.</p>

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	1									<p>CLAYEY NANOFOSSIL CHALK</p> <p>Lithology This core contains very light gray (5Y 7.5/1) CLAYEY NANOFOSSIL CHALK with pale yellow (5Y 7.3) blebs of CLAYEY NANOFOSSIL CHALK which contain some biosiliceous material.</p> <p>General Description This core is primarily heavily bioturbated very light gray (5Y 7.5/1) CLAYEY NANOFOSSIL CHALK. The pale yellow blebs, which are sometimes burrows, are probably faintly pyrite-stained zones. Heavy biscuiting has occurred throughout the core.</p>
344	2									
346	3									
348	4									
	5									
	6									

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	1									<p>CLAYEY NANNOFOSSIL CHALK</p> <p>Lithology This core contains light gray (5Y 7/1) CLAYEY NANNOFOSSIL CHALK with intra-clasts of pale yellow (5Y 7/3) CLAYEY NANNOFOSSIL CHALK.</p> <p>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.</p> <p>— PAL</p>
354	2									
356	3									
358	4									
	5									
	6									
	7									
360	8									



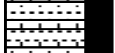

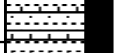
Core Photo

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.	DESCRIPTION
372	1								<p>CLAYEY NANNOFOSSIL CHALK and TEPHRA</p> <p>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.</p> <p>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.</p>
374	2								
	3								
376	4								
	5								
378	6								
	7								

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	1									<p>CLAYEY NANNOFOSSIL CHALK and TEPHRA</p> <p>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.</p> <p>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.</p>
382	2									
384	3									
386	4									
386	5									
388	6									
	7									
	8									

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	1									<p>CLAYEY NANNOFOSSIL CHALK</p> <p>Lithology This core contains greenish gray (5GY 6/1) and light greenish gray (5GY 7/1) CLAYEY NANNOFOSSIL CHALK.</p> <p>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.</p> <p>PAL</p>
-392	2									
-394	3									
	4									
-396	5									

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	1									<p>CLAYEY NANNOFOSSIL CHALK and TEPHRA</p> <p>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.</p> <p>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.</p>
402	2									
404	3									
404	4									
406	5									
408.6	6									
										<p>— IW</p> <p>— SS</p> <p>— PAL</p>

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	1									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.
412	4								PAL	

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	1									<p>CLAYEY NANNOFOSSIL CHALK and TEPHRA</p> <p>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.</p> <p>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.</p>
440	2									
442	3									
444	4									
444	5									
446	6									
	7									
										<p>IW</p> <p>PAL</p>

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	1									<p>CLAYEY NANNOFOSSIL CHALK and TEPHRA</p> <p>Lithology This core is comprised of greenish gray (5GY 6/1) CLAYEY NANNOFOSSIL CHALK and TEPHRA.</p> <p>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.</p>
450	2									
	3									
	4									

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	1									<p>CLAYEY NANNOFOSSIL CHALK and TEPHRA</p> <p>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.</p> <p>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.</p>
460	2									
462	3									
464	4									
466	5								IW	
	6									
	7									
	8								PAL	

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.	DESCRIPTION
468	1								<p>CLAYEY NANNOFOSSIL CHALK and TEPHRA</p> <p>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 .</p> <p>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.</p> <p>— PAL</p>
470	2								
472	3								
474	4								
	5								
	6								
	7								

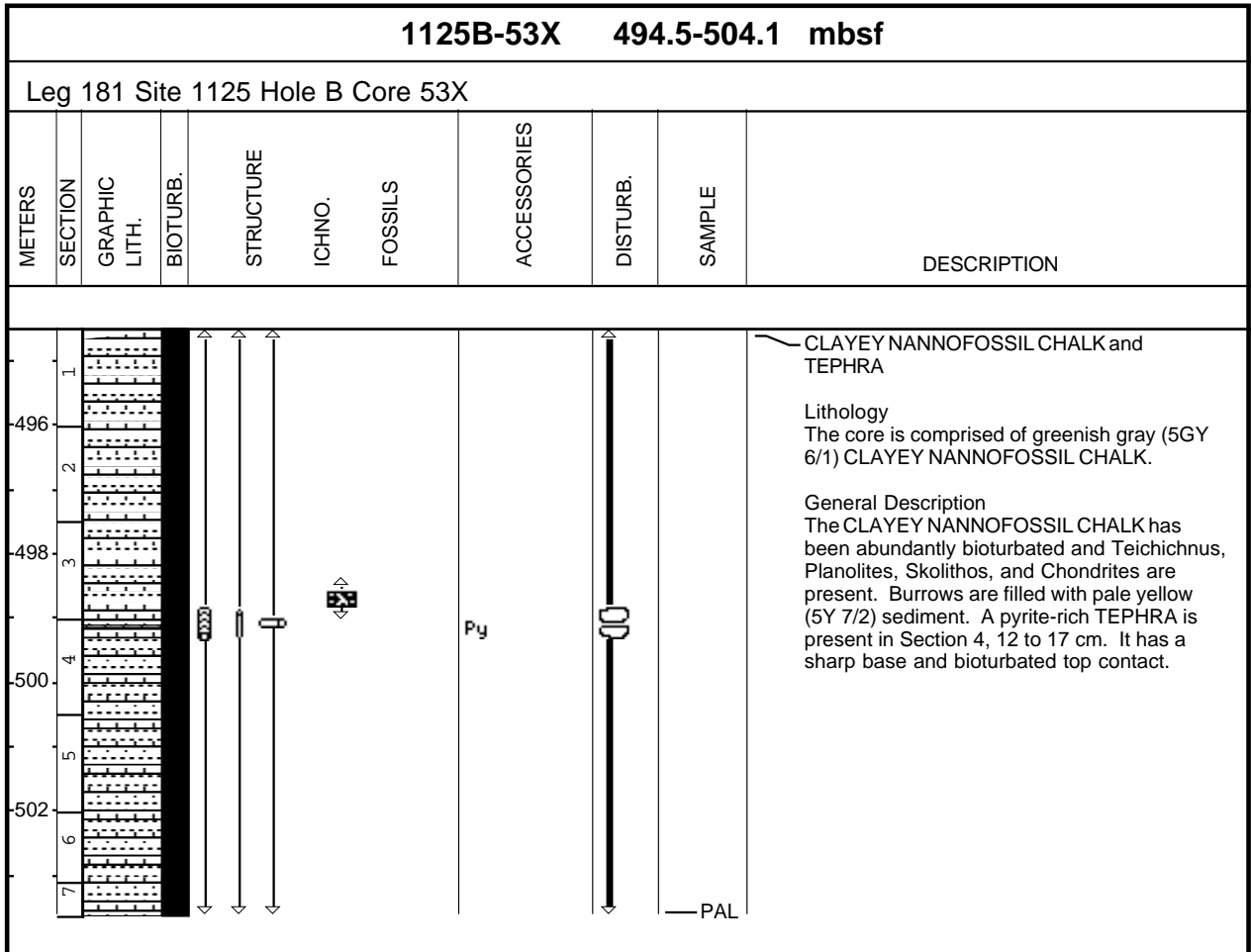
Core Photo

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	1									<p>CLAYEY NANNOFOSSIL CHALK</p> <p>Lithology The core is comprised of greenish gray (5GY 5/1) CLAYEY NANNOFOSSIL CHALK with pale yellow (5Y 7/2) intraclasts.</p> <p>General Description The CLAYEY NANNOFOSSIL CHALK is abundantly bioturbated and biscuited throughout. Identified trace fossils include Teichichnus, Palaeophycus, and Skolithos.</p>
478	2									
480	3									
482	4									
484	5									
	6									
	7									
	8								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	1									<p>CLAYEY NANNOFOSSIL CHALK, NANNOFOSSIL-BEARING TEPHRA, and TEPHRA</p> <p>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.</p> <p>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.</p>
488	2									
490	3									
492	4									
494	5									
	6									
	7									
	8									

Core Photo



Core Photo

1125B-54X 504.1-513.8 mbsf										
Leg 181 Site 1125 Hole B Core 54X										
METERS	SECTION	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ICHNO.	FOSSILS	ACCESSORIES	DISTURB.	SAMPLE	DESCRIPTION
1										<p>CLAYEY NANNOFOSSIL CHALK and TEPHRA</p> <p>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.</p> <p>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.</p>
506	2									
508	3									
510	4									
512	5									
	6									

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	1									<p>CLAYEY NANNOFOSSIL CHALK</p> <p>Lithology The core is comprised of light greenish gray (5GY 7/1) CLAYEY NANNOFOSSIL CHALK.</p> <p>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.</p>
516	2									
518	3								SS	
	4								IW	
520	5								PAL	
	6									

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	1									<p>CLAYEY NANNOFOSSIL CHALK</p> <p>Lithology The core is comprised of light greenish gray (5GY 7/2) CLAYEY NANNOFOSSIL CHALK.</p> <p>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.</p> <p>PAL</p>
526	2									
528	3									
530	4									
532	5									
	6									
	7									
	8									

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	1									<p>CLAYEY NANNOFOSSIL CHALK and TEPHRA</p> <p>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.</p> <p>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).</p> <p>SS SS PAL</p>
536	2									
538	3									
540	4									
542	5									
	6									
	7									

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	1									<p>CLAYEY NANNOFOSSIL CHALK and NANNOFOSSILCHALK</p> <p>Lithology This core consists of light greenish gray (5GY 7/1) CLAYEY NANNOFOSSIL CHALK with intraclasts (mainly burrows) of pale yellow (5Y 7/2) NANNOFOSSILCHALK.</p> <p>General Description Bioturbation of the CLAYEY NANNOFOSSIL CHALK is abundant and Teichichnus, Zoophycos, and Skolithos all present.</p>
546	2									
548	3									
	4									

Site 1125 Smear Slides								Texture			Mineral										Biogenic						Comments				
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)		
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	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					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		ASH (V+S)	
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	P	*	C	C	*			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	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			
181	1125	B	34	X	6	40	320.5	M	40	50	10				P		P	P	P	D										ASH+NANNOFOSSILS	
181	1125	B	37	X	2	22	342.82	M		20	80		C	A	A				*	A	P	P	C	A	P			C		ASH	
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									
181	1125	B	54	X	3	61	507.71	D	2	28	70			C	P					R	P						P				