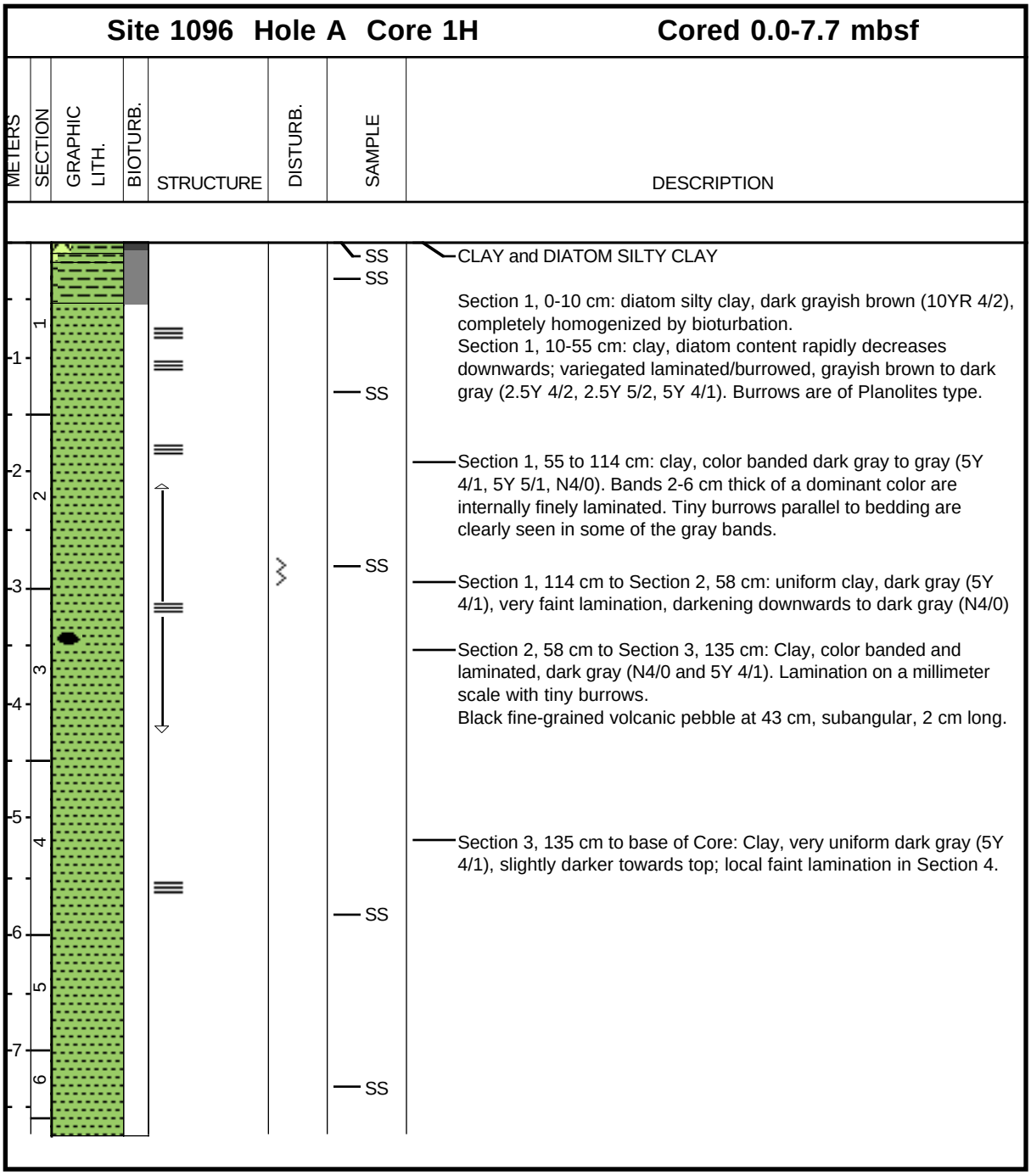
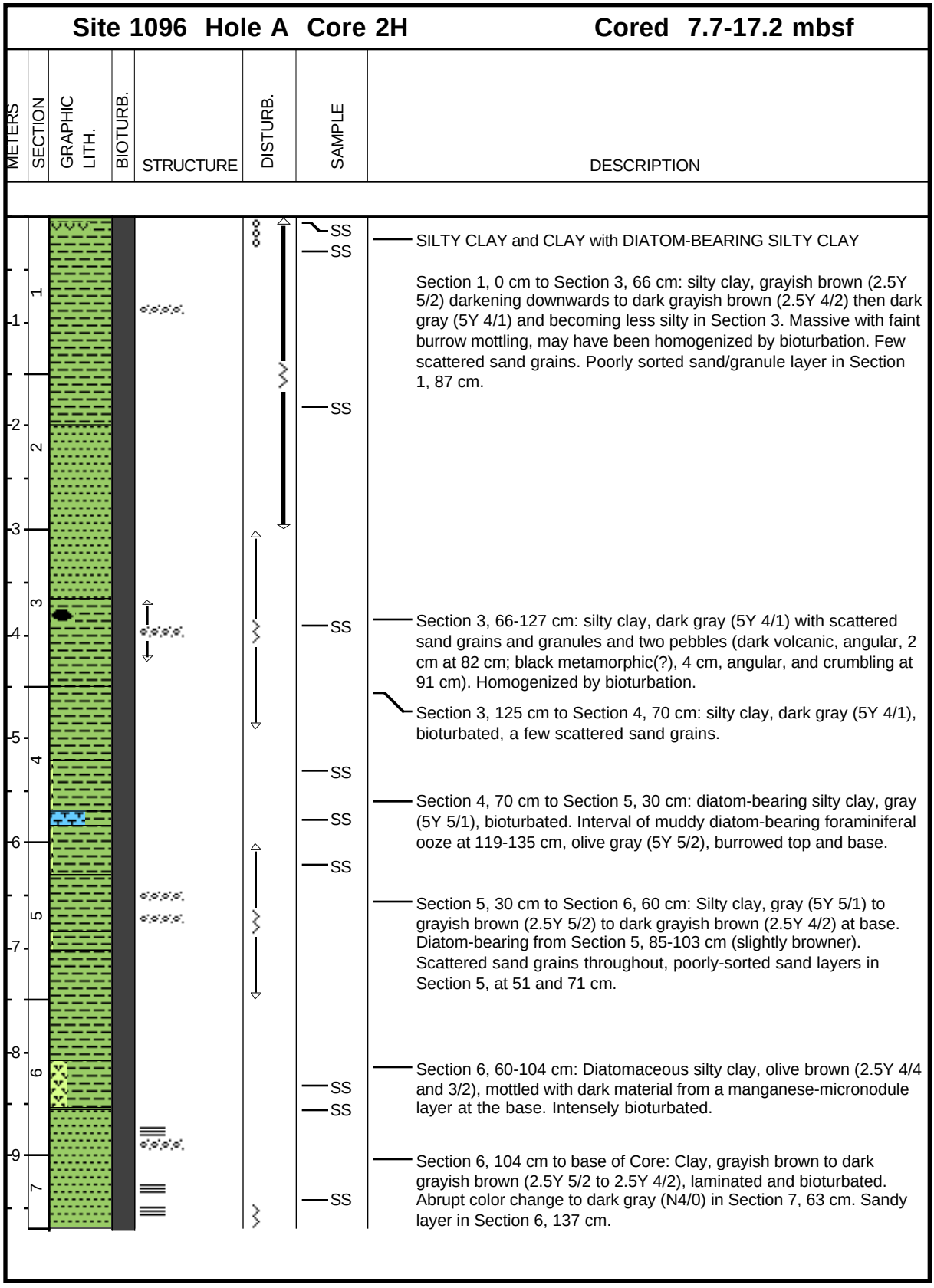
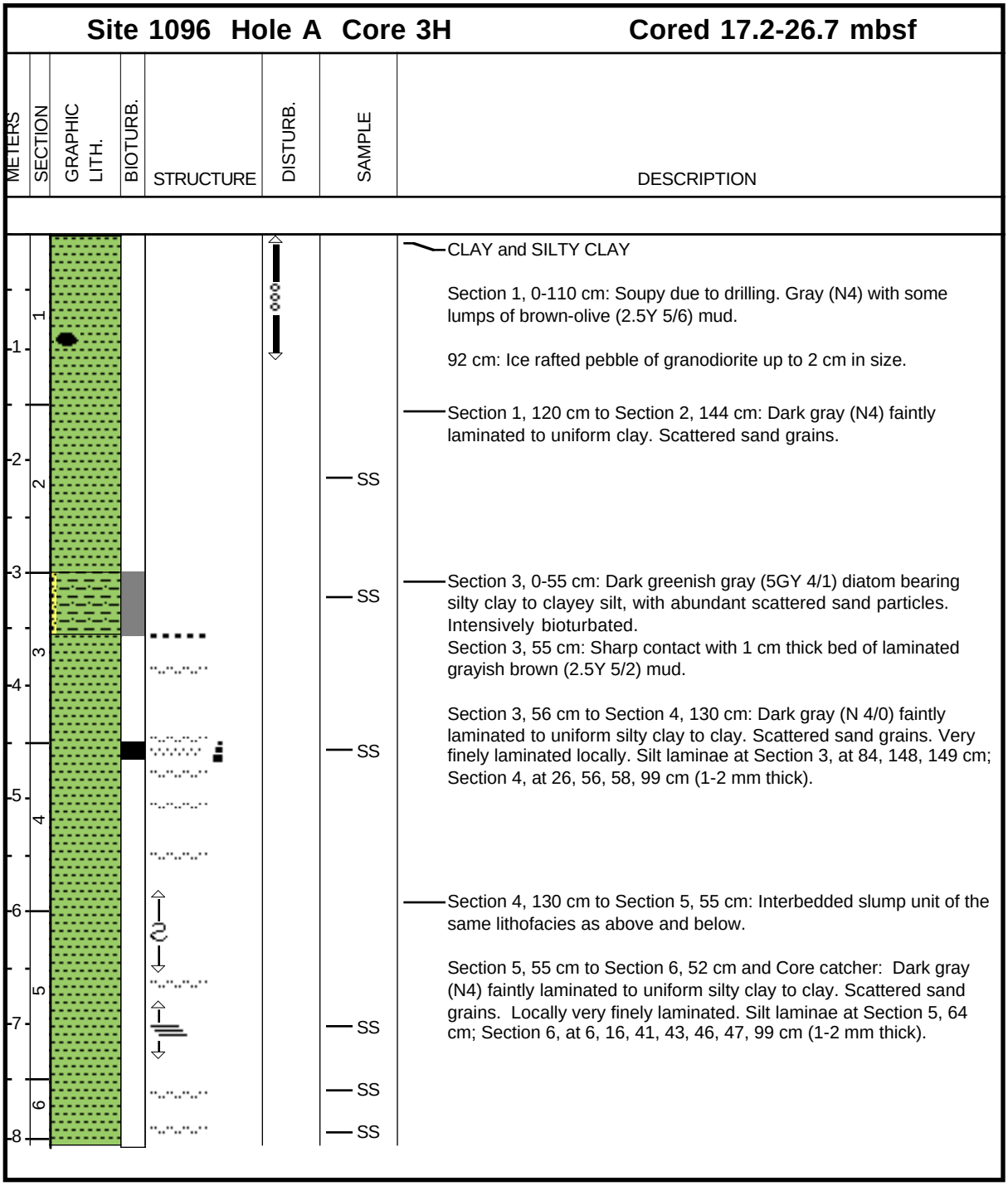
## Core Image


Site 1096 Hole A Core 1H Cored 0.0-7.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
SS
CLAY and DIATOM SILTY CLAY
Section 1, 0-10 cm: diatom silty clay, dark grayish brown (10YR 4/2), completely homogenized by bioturbation.
Section 1, 10-55 cm: clay, diatom content rapidly decreases downwards; variegated laminated/burrowed, grayish brown to dark gray (2.5Y 4/2, 2.5Y 5/2, 5Y 4/1). Burrows are of Planolites type.
Section 1, 55 to 114 cm: clay, color banded dark gray to gray (5Y 4/1, 5Y 5/1, N4/0). Bands 2-6 cm thick of a dominant color are internally finely laminated. Tiny burrows parallel to bedding are clearly seen in some of the gray bands.
Section 1, 114 cm to Section 2, 58 cm: uniform clay, dark gray (5Y 4/1), very faint lamination, darkening downwards to dark gray (N4/0)
Section 2, 58 cm to Section 3, 135 cm: Clay, color banded and laminated, dark gray (N4/0 and 5Y 4/1). Lamination on a millimeter scale with tiny burrows.
Black fine-grained volcanic pebble at 43 cm, subangular, 2 cm long.
Section 3, 135 cm to base of Core: Clay, very uniform dark gray (5Y 4/1), slightly darker towards top; local faint lamination in Section 4.

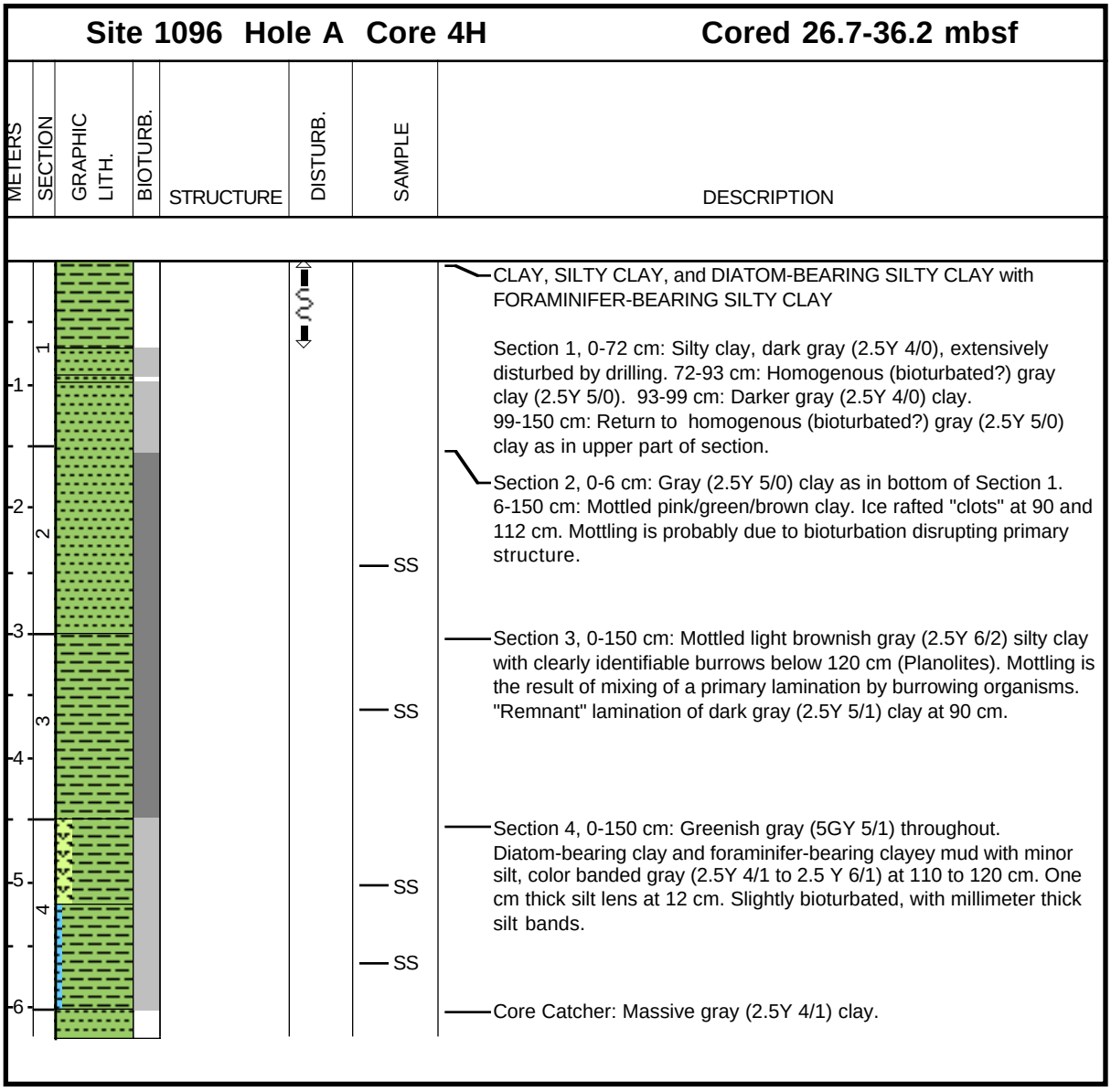
## Core Image


Site 1096 Hole A Core 2H Cored 7.7-17.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SILTY CLAY and CLAY with DIATOM-BEARING SILTY CLAY
Section 1, 0 cm to Section 3, 66 cm: silty clay, grayish brown (2.5Y 5/2) darkening downwards to dark grayish brown (2.5Y 4/2) then dark gray (5Y 4/1) and becoming less silty in Section 3. Massive with faint burrow mottling, may have been homogenized by bioturbation. Few scattered sand grains. Poorly sorted sand/granule layer in Section 1, 87 cm.
Section 3, 66-127 cm: silty clay, dark gray (5Y 4/1) with scattered sand grains and granules and two pebbles (dark volcanic, angular, 2 cm at 82 cm; black metamorphic(?), 4 cm, angular, and crumbling at 91 cm). Homogenized by bioturbation.
Section 3, 125 cm to Section 4, 70 cm: silty clay, dark gray (5Y 4/1), bioturbated, a few scattered sand grains.
Section 4, 70 cm to Section 5, 30 cm: diatom-bearing silty clay, gray (5Y 5/1), bioturbated. Interval of muddy diatom-bearing foraminiferal ooze at 119-135 cm, olive gray (5Y 5/2), burrowed top and base.
Section 5, 30 cm to Section 6, 60 cm: Silty clay, gray (5Y 5/1) to grayish brown (2.5Y 5/2) to dark grayish brown (2.5Y 4/2) at base. Diatom-bearing from Section 5, 85-103 cm (slightly browner). Scattered sand grains throughout, poorly-sorted sand layers in Section 5, at 51 and 71 cm.
Section 6, 60-104 cm: Diatomaceous silty clay, olive brown (2.5Y 4/4 and 3/2), mottled with dark material from a manganese-micronodule layer at the base. Intensely bioturbated.
Section 6, 104 cm to base of Core: Clay, grayish brown to dark grayish brown (2.5Y 5/2 to 2.5Y 4/2), laminated and bioturbated. Abrupt color change to dark gray (N4/0) in Section 7, 63 cm. Sandy layer in Section 6, 137 cm.

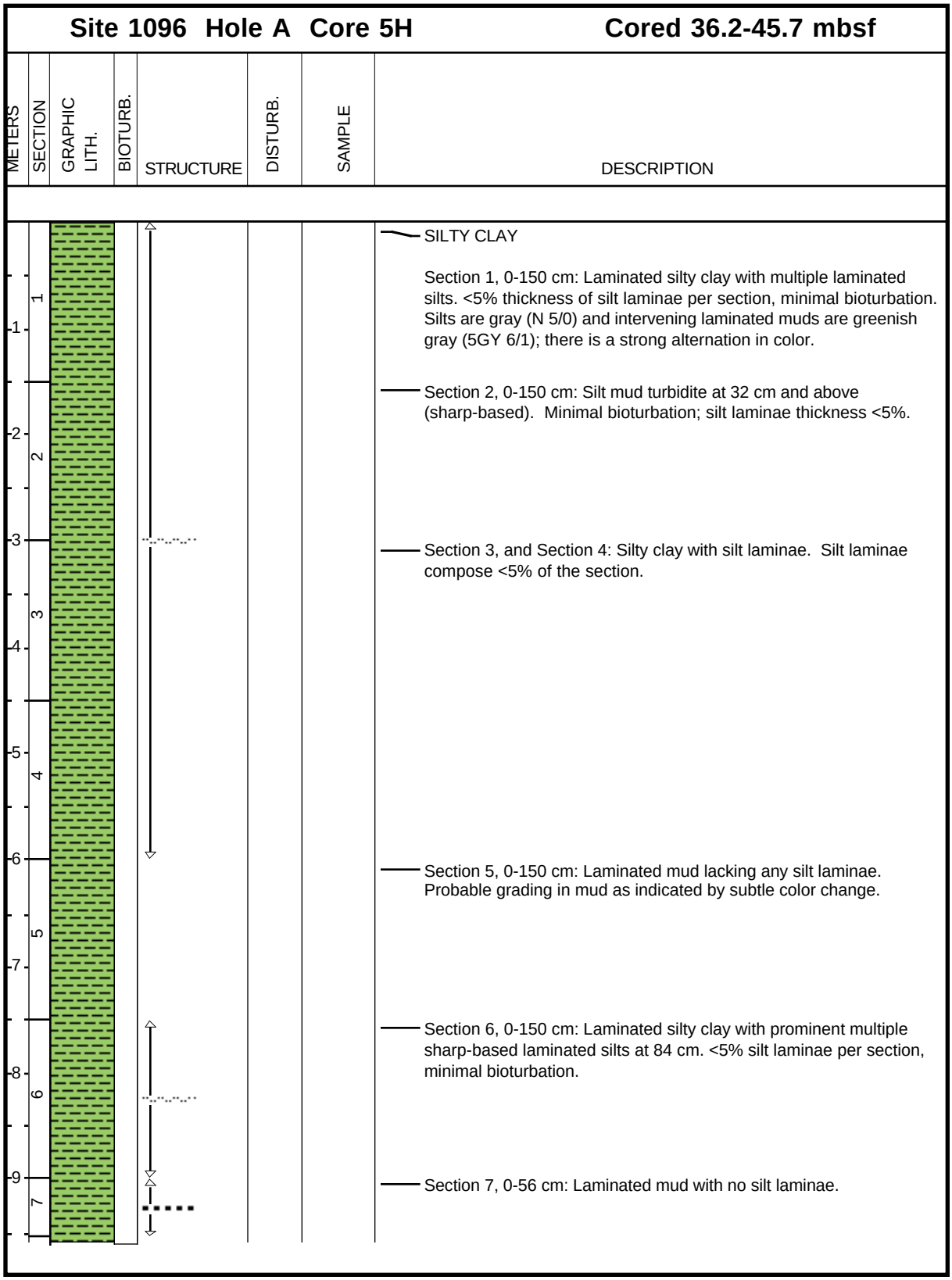
## Core Image


Site 1096 Hole A Core 3H Cored 17.2-26.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
CLAY and SILTY CLAY
Section 1, 0-110 cm: Soupy due to drilling. Gray (N4) with some lumps of brown-olive (2.5Y 5/6) mud.
92 cm: Ice rafted pebble of granodiorite up to 2 cm in size.
Section 1, 120 cm to Section 2, 144 cm: Dark gray (N4) faintly laminated to uniform clay. Scattered sand grains.
SS
Section 3, 0-55 cm: Dark greenish gray (5GY 4/1) diatom bearing silty clay to clayey silt, with abundant scattered sand particles. Intensively bioturbated.
Section 3, 55 cm: Sharp contact with 1 cm thick bed of laminated grayish brown (2.5Y 5/2) mud.
Section 3, 56 cm to Section 4, 130 cm: Dark gray (N 4/0) faintly laminated to uniform silty clay to clay. Scattered sand grains. Very finely laminated locally. Silt laminae at Section 3, at 84, 148, 149 cm; Section 4, at 26, 56, 58, 99 cm (1-2 mm thick).
Section 4, 130 cm to Section 5, 55 cm: Interbedded slump unit of the same lithofacies as above and below.
Section 5, 55 cm to Section 6, 52 cm and Core catcher: Dark gray (N4) faintly laminated to uniform silty clay to clay. Scattered sand grains. Locally very finely laminated. Silt laminae at Section 5, 64 cm; Section 6, at 6, 16, 41, 43, 46, 47, 99 cm (1-2 mm thick).

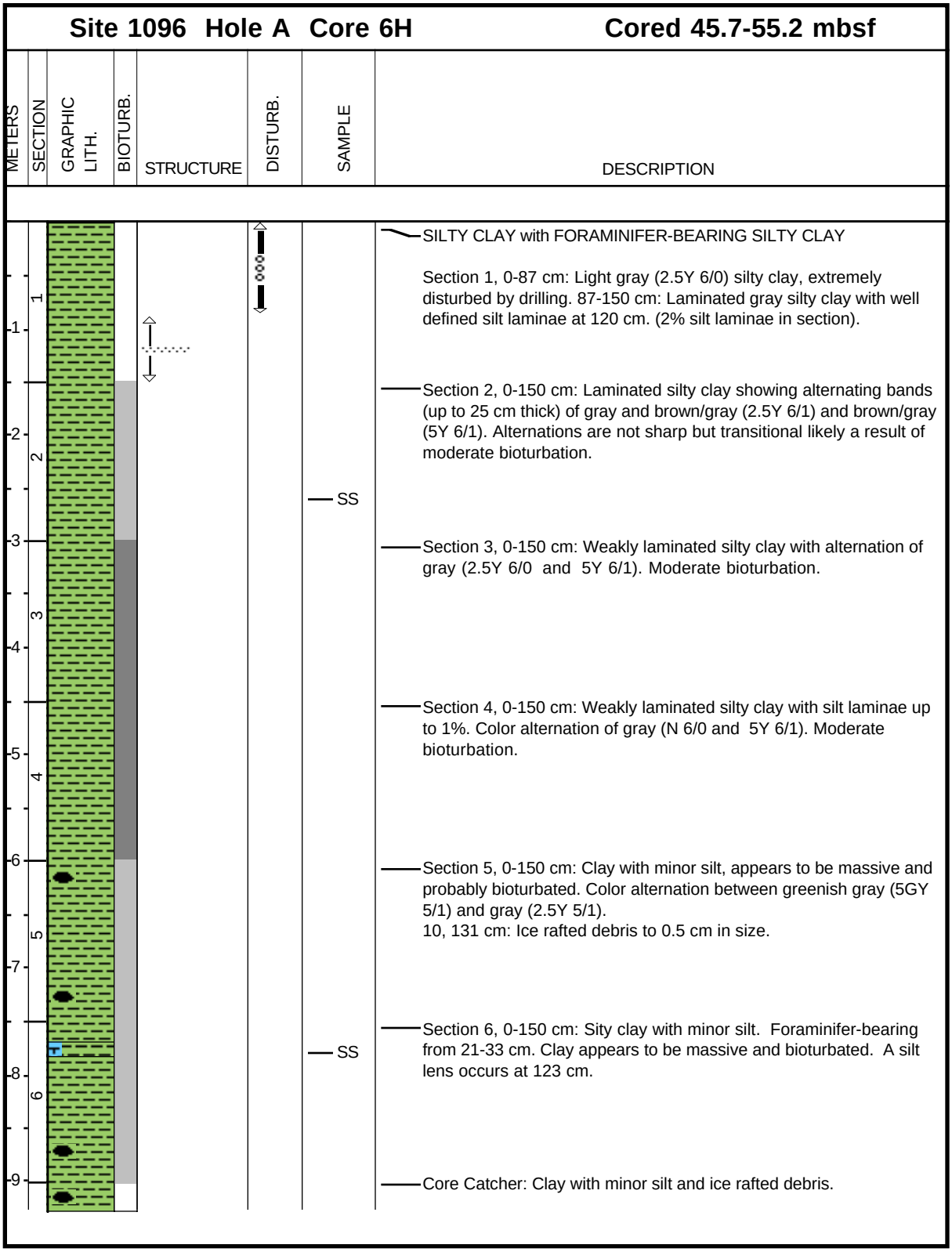
## Core Image


Site 1096 Hole A Core 4H
Cored 26.7-36.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
CLAY, SILTY CLAY, and DIATOM-BEARING SILTY CLAY with FORAMINIFER-BEARING SILTY CLAY
Section 1, 0-72 cm: Silty clay, dark gray (2.5Y 4/0), extensively disturbed by drilling. 72-93 cm: Homogenous (bioturbated?) gray clay (2.5Y 5/0). 93-99 cm: Darker gray (2.5Y 4/0) clay. 99-150 cm: Return to homogenous (bioturbated?) gray (2.5Y 5/0) clay as in upper part of section.
Section 2, 0-6 cm: Gray (2.5Y 5/0) clay as in bottom of Section 1. 6-150 cm: Mottled pink/green/brown clay. Ice rafted "clots" at 90 and 112 cm. Mottling is probably due to bioturbation disrupting primary structure.
SS
Section 3, 0-150 cm: Mottled light brownish gray (2.5Y 6/2) silty clay with clearly identifiable burrows below 120 cm (Planolites). Mottling is the result of mixing of a primary lamination by burrowing organisms. "Remnant" lamination of dark gray (2.5Y 5/1) clay at 90 cm.
SS
Section 4, 0-150 cm: Greenish gray (5GY 5/1) throughout. Diatom-bearing clay and foraminifer-bearing clayey mud with minor silt, color banded gray (2.5Y 4/1 to 2.5 Y 6/1) at 110 to 120 cm. One cm thick silt lens at 12 cm. Slightly bioturbated, with millimeter thick silt bands.
SS
Core Catcher: Massive gray (2.5Y 4/1) clay.
1
2
3
4
-1
-2
-3
-4
-5
-6

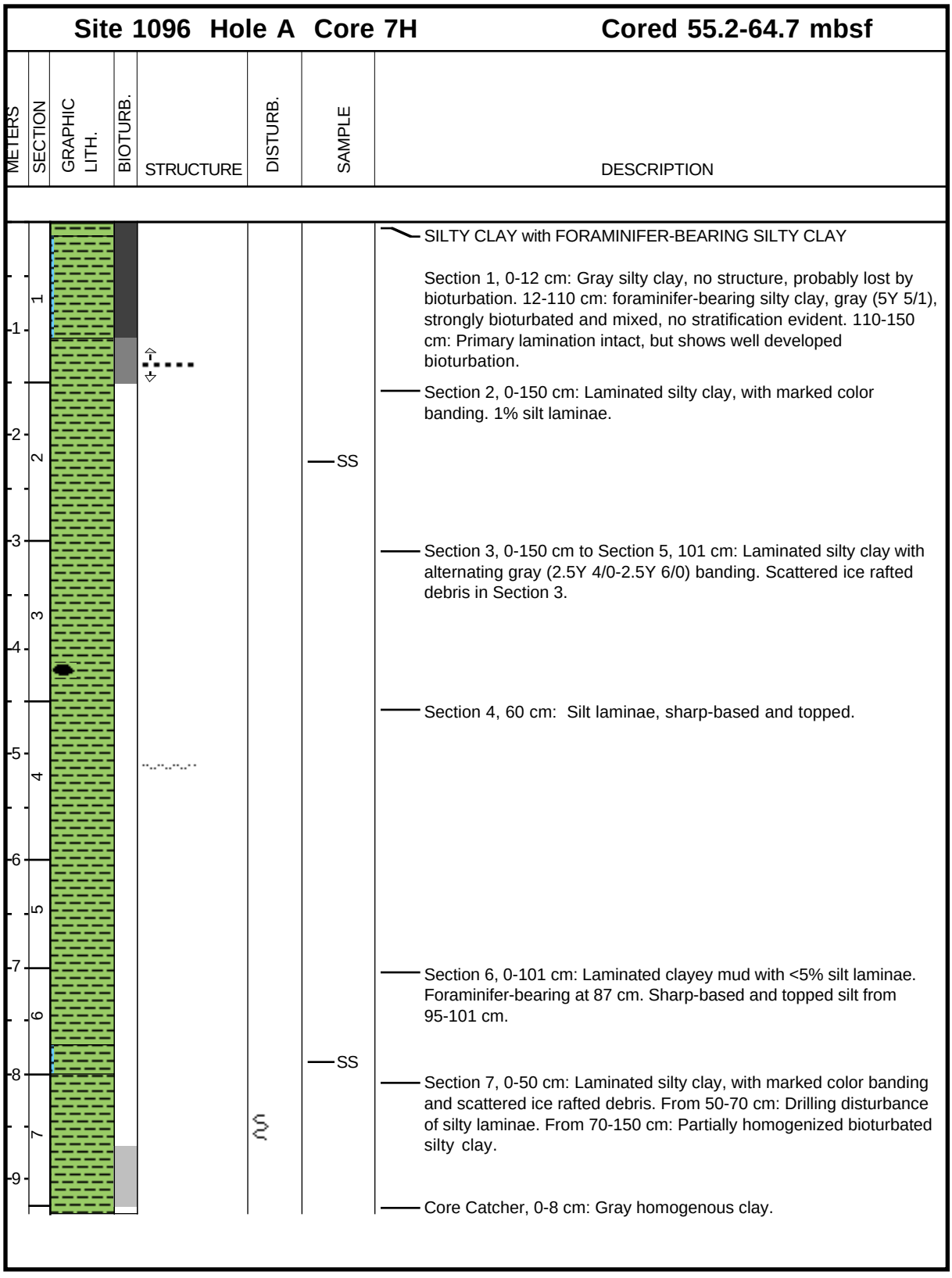
## Core Image


Site 1096 Hole A Core 5H
Cored 36.2-45.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SILTY CLAY
Section 1, 0-150 cm: Laminated silty clay with multiple laminated silts. <5% thickness of silt laminae per section, minimal bioturbation. Silts are gray (N 5/0) and intervening laminated muds are greenish gray (5GY 6/1); there is a strong alternation in color.
Section 2, 0-150 cm: Silt mud turbidite at 32 cm and above (sharp-based). Minimal bioturbation; silt laminae thickness <5%.
Section 3, and Section 4: Silty clay with silt laminae. Silt laminae compose <5% of the section.
Section 5, 0-150 cm: Laminated mud lacking any silt laminae. Probable grading in mud as indicated by subtle color change.
Section 6, 0-150 cm: Laminated silty clay with prominent multiple sharp-based laminated silts at 84 cm. <5% silt laminae per section, minimal bioturbation.
Section 7, 0-56 cm: Laminated mud with no silt laminae.

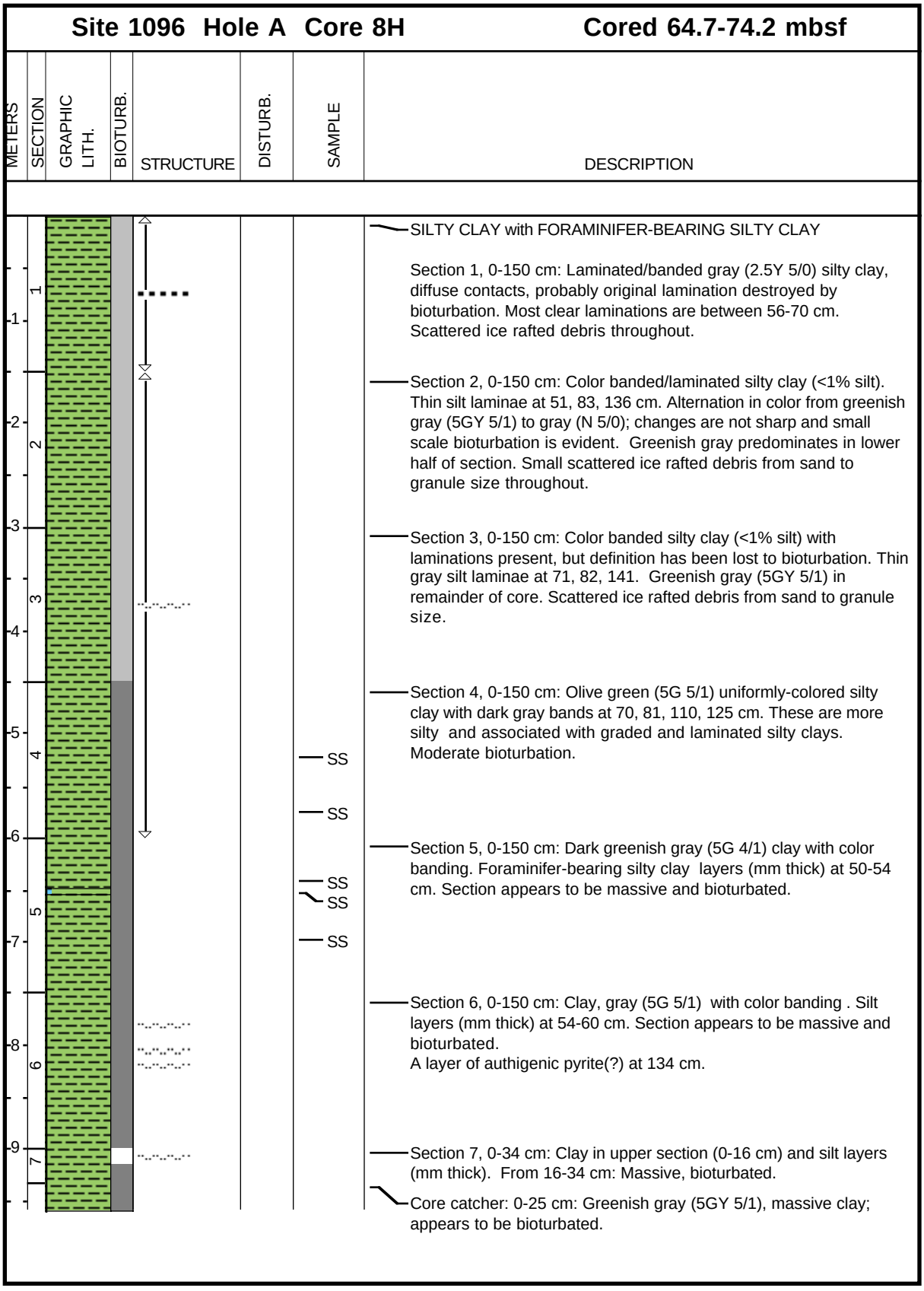
## Core Image


Site 1096 Hole A Core 6H
Cored 45.7-55.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SILTY CLAY with FORAMINIFER-BEARING SILTY CLAY
Section 1, 0-87 cm: Light gray (2.5Y 6/0) silty clay, extremely disturbed by drilling. 87-150 cm: Laminated gray silty clay with well defined silt laminae at 120 cm. (2% silt laminae in section).
Section 2, 0-150 cm: Laminated silty clay showing alternating bands (up to 25 cm thick) of gray and brown/gray (2.5Y 6/1) and brown/gray (5Y 6/1). Alternations are not sharp but transitional likely a result of moderate bioturbation.
SS
Section 3, 0-150 cm: Weakly laminated silty clay with alternation of gray (2.5Y 6/0 and 5Y 6/1). Moderate bioturbation.
Section 4, 0-150 cm: Weakly laminated silty clay with silt laminae up to 1%. Color alternation of gray (N 6/0 and 5Y 6/1). Moderate bioturbation.
Section 5, 0-150 cm: Clay with minor silt, appears to be massive and probably bioturbated. Color alternation between greenish gray (5GY 5/1) and gray (2.5Y 5/1).
10, 131 cm: Ice rafted debris to 0.5 cm in size.
Section 6, 0-150 cm: Sity clay with minor silt. Foraminifer-bearing from 21-33 cm. Clay appears to be massive and bioturbated. A silt lens occurs at 123 cm.
SS
Core Catcher: Clay with minor silt and ice rafted debris.

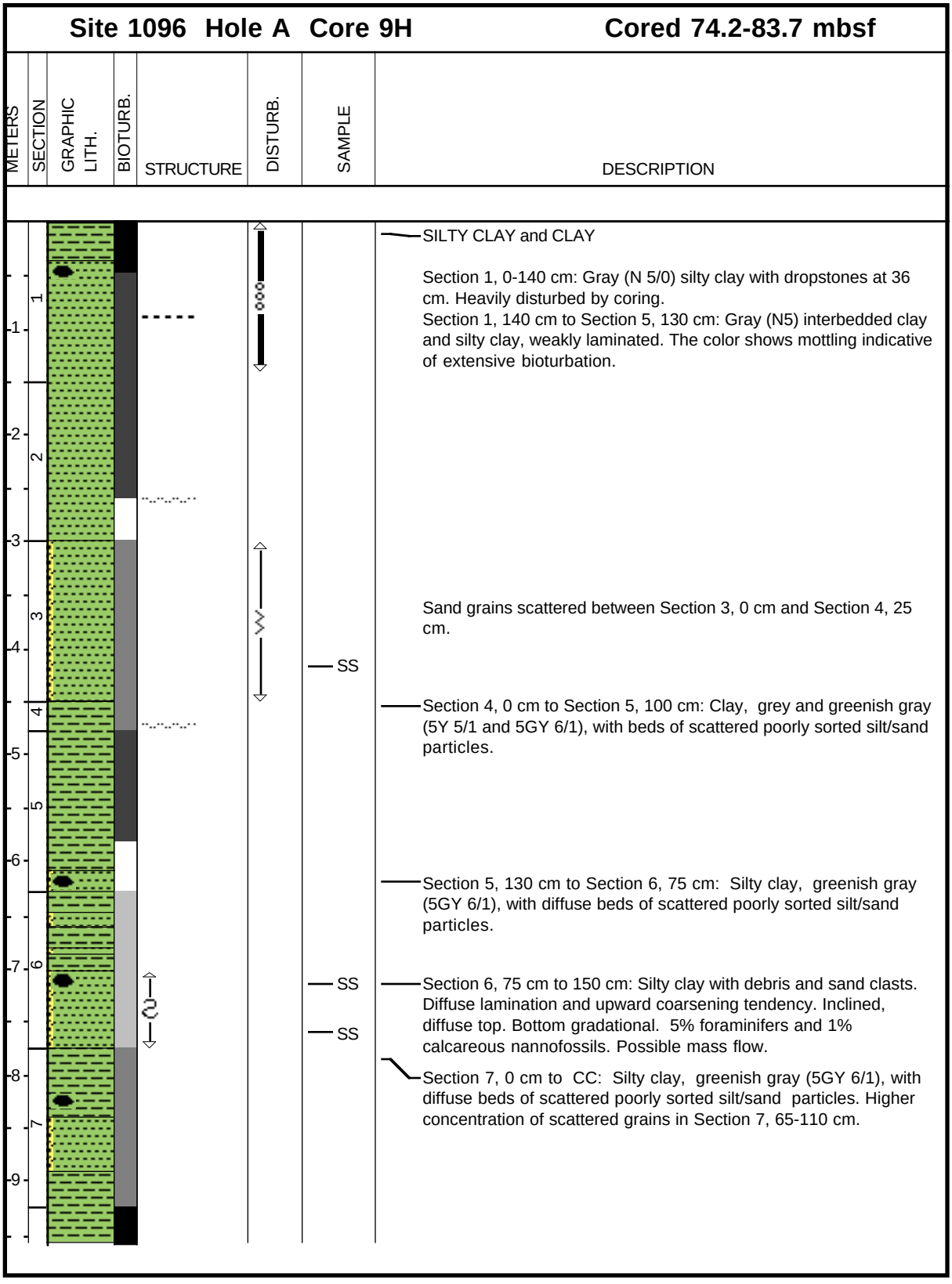
## Core Image


Site 1096 Hole A Core 7H Cored 55.2-64.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SILTY CLAY with FORAMINIFER-BEARING SILTY CLAY
Section 1, 0-12 cm: Gray silty clay, no structure, probably lost by bioturbation. 12-110 cm: foraminifer-bearing silty clay, gray (5Y 5/1), strongly bioturbated and mixed, no stratification evident. 110-150 cm: Primary lamination intact, but shows well developed bioturbation.
Section 2, 0-150 cm: Laminated silty clay, with marked color banding. 1% silt laminae.
SS
Section 3, 0-150 cm to Section 5, 101 cm: Laminated silty clay with alternating gray (2.5Y 4/0-2.5Y 6/0) banding. Scattered ice rafted debris in Section 3.
Section 4, 60 cm: Silt laminae, sharp-based and topped.
Section 6, 0-101 cm: Laminated clayey mud with <5% silt laminae. Foraminifer-bearing at 87 cm. Sharp-based and topped silt from 95-101 cm.
SS
Section 7, 0-50 cm: Laminated silty clay, with marked color banding and scattered ice rafted debris. From 50-70 cm: Drilling disturbance of silty laminae. From 70-150 cm: Partially homogenized bioturbated silty clay.
Core Catcher, 0-8 cm: Gray homogenous clay.

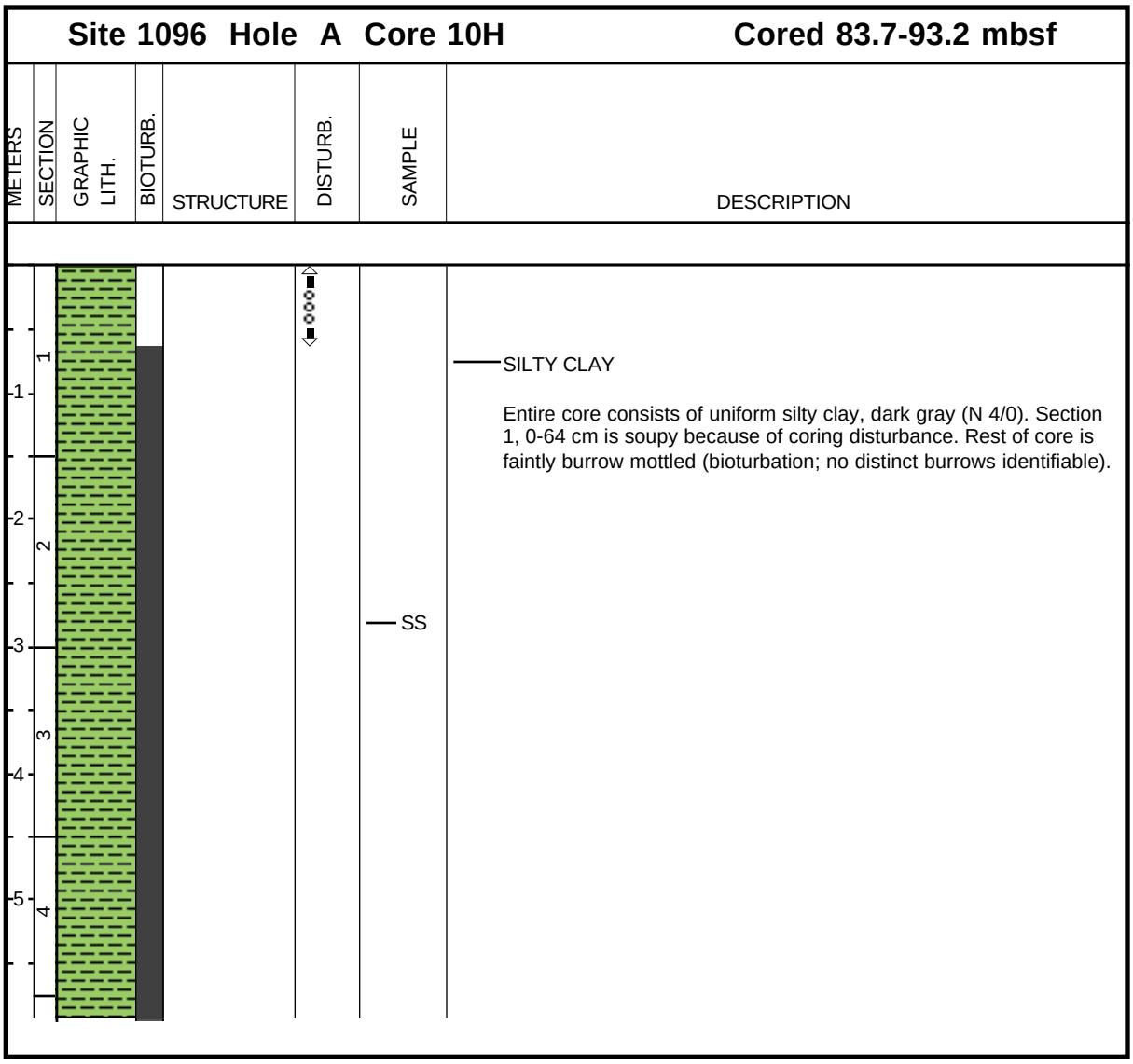
## Core Image


Site 1096 Hole A Core 8H
Cored 64.7-74.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
SS
SILTY CLAY with FORAMINIFER-BEARING SILTY CLAY
Section 1, 0-150 cm: Laminated/banded gray (2.5Y 5/0) silty clay, diffuse contacts, probably original lamination destroyed by bioturbation. Most clear laminations are between 56-70 cm. Scattered ice rafted debris throughout.
Section 2, 0-150 cm: Color banded/laminated silty clay (<1% silt). Thin silt laminae at 51, 83, 136 cm. Alternation in color from greenish gray (5GY 5/1) to gray (N 5/0); changes are not sharp and small scale bioturbation is evident. Greenish gray predominates in lower half of section. Small scattered ice rafted debris from sand to granule size throughout.
Section 3, 0-150 cm: Color banded silty clay (<1% silt) with laminations present, but definition has been lost to bioturbation. Thin gray silt laminae at 71, 82, 141. Greenish gray (5GY 5/1) in remainder of core. Scattered ice rafted debris from sand to granule size.
Section 4, 0-150 cm: Olive green (5G 5/1) uniformly-colored silty clay with dark gray bands at 70, 81, 110, 125 cm. These are more silty and associated with graded and laminated silty clays. Moderate bioturbation.
Section 5, 0-150 cm: Dark greenish gray (5G 4/1) clay with color banding. Foraminifer-bearing silty clay layers (mm thick) at 50-54 cm. Section appears to be massive and bioturbated.
Section 6, 0-150 cm: Clay, gray (5G 5/1) with color banding . Silt layers (mm thick) at 54-60 cm. Section appears to be massive and bioturbated.
A layer of authigenic pyrite(?) at 134 cm.
Section 7, 0-34 cm: Clay in upper section (0-16 cm) and silt layers (mm thick). From 16-34 cm: Massive, bioturbated.
Core catcher: 0-25 cm: Greenish gray (5GY 5/1), massive clay; appears to be bioturbated.

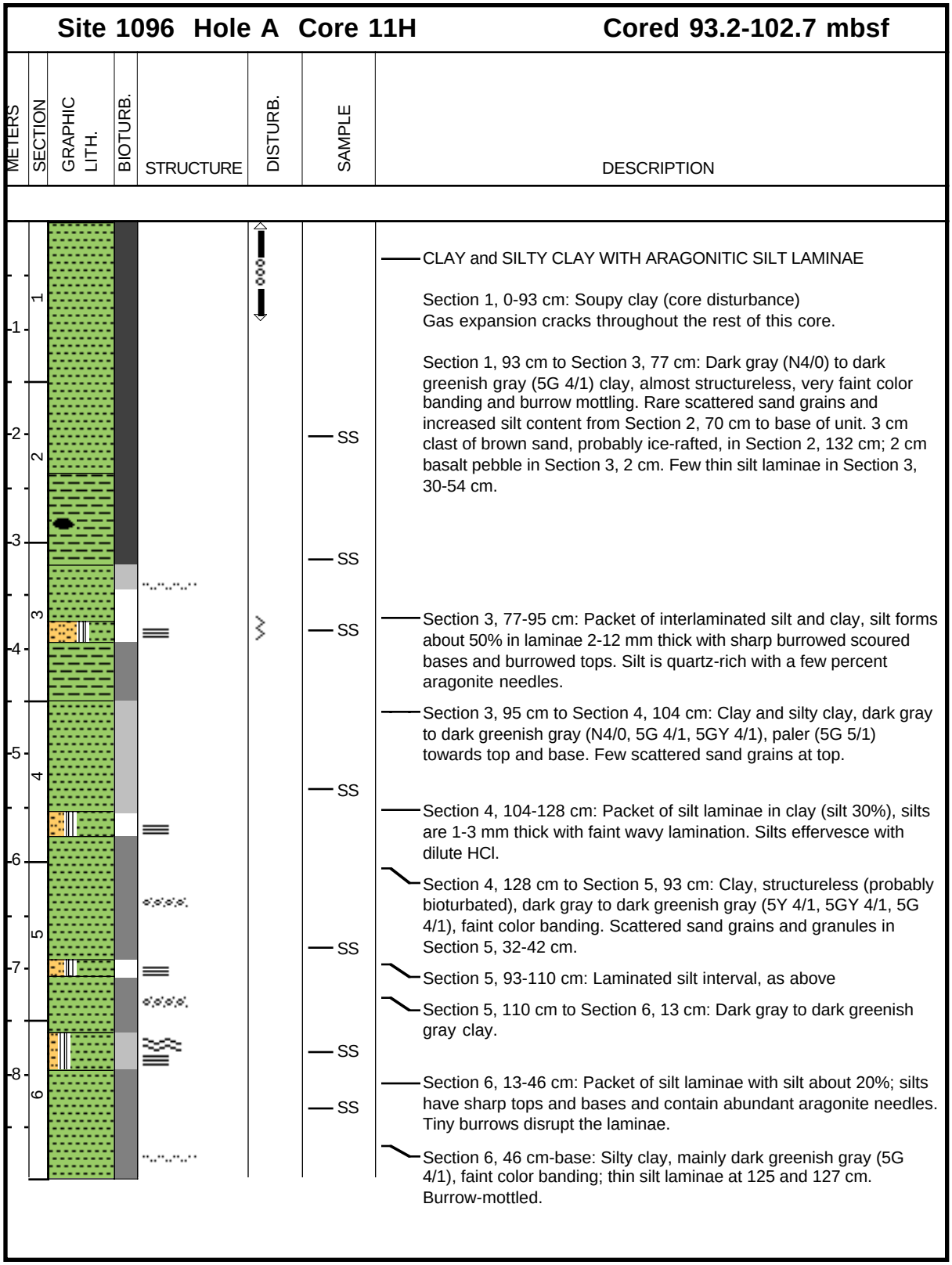
## Core Image


Site 1096 Hole A Core 9H
Cored 74.2-83.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SILTY CLAY and CLAY
Section 1, 0-140 cm: Gray (N 5/0) silty clay with dropstones at 36 cm. Heavily disturbed by coring.
Section 1, 140 cm to Section 5, 130 cm: Gray (N5) interbedded clay and silty clay, weakly laminated. The color shows mottling indicative of extensive bioturbation.
Sand grains scattered between Section 3, 0 cm and Section 4, 25 cm.
SS
Section 4, 0 cm to Section 5, 100 cm: Clay, grey and greenish gray (5Y 5/1 and 5GY 6/1), with beds of scattered poorly sorted silt/sand particles.
Section 5, 130 cm to Section 6, 75 cm: Silty clay, greenish gray (5GY 6/1), with diffuse beds of scattered poorly sorted silt/sand particles.
SS
SS
Section 6, 75 cm to 150 cm: Silty clay with debris and sand clasts. Diffuse lamination and upward coarsening tendency. Inclined, diffuse top. Bottom gradational. 5% foraminifers and 1% calcareous nannofossils. Possible mass flow.
Section 7, 0 cm to CC: Silty clay, greenish gray (5GY 6/1), with diffuse beds of scattered poorly sorted silt/sand particles. Higher concentration of scattered grains in Section 7, 65-110 cm.

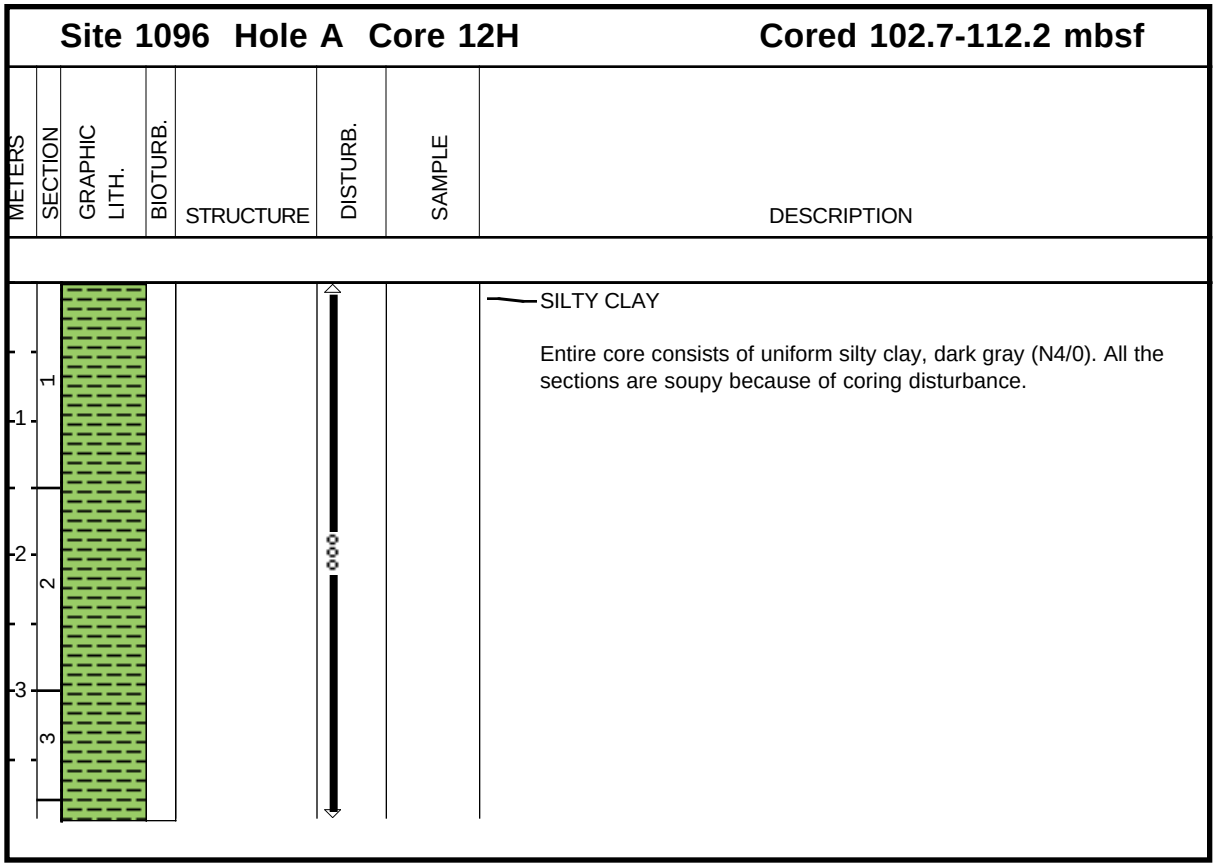
## Core Image


Site 1096 Hole A Core 10H
Cored 83.7-93.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
1
2
3
4
-1
-2
-3
-4
-5
SS
SILTY CLAY
Entire core consists of uniform silty clay, dark gray (N 4/0). Section 1, 0-64 cm is soupy because of coring disturbance. Rest of core is faintly burrow mottled (bioturbation; no distinct burrows identifiable).

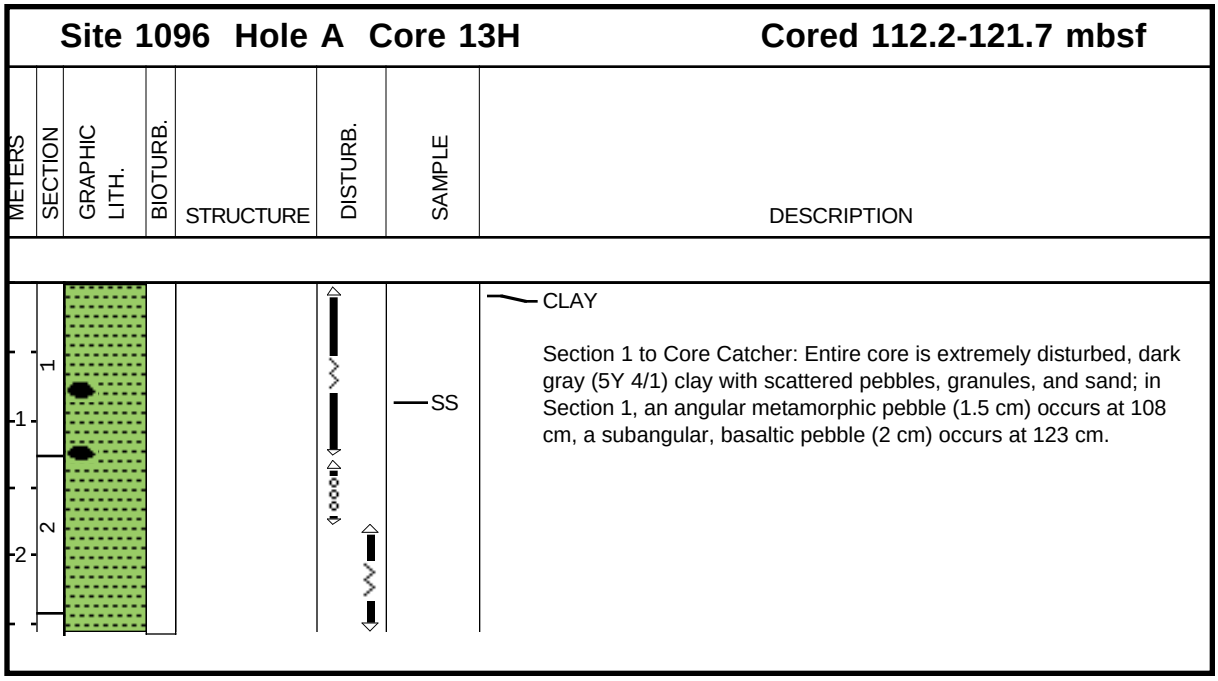
## Core Image


Site 1096 Hole A Core 11H Cored 93.2-102.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
1
2
3
4
5
6
SS
SS
SS
SS
SS
SS
CLAY and SILTY CLAY WITH ARAGONITIC SILT LAMINAE
Section 1, 0-93 cm: Soupy clay (core disturbance)
Gas expansion cracks throughout the rest of this core.
Section 1, 93 cm to Section 3, 77 cm: Dark gray (N4/0) to dark greenish gray (5G 4/1) clay, almost structureless, very faint color banding and burrow mottling. Rare scattered sand grains and increased silt content from Section 2, 70 cm to base of unit. 3 cm clast of brown sand, probably ice-rafted, in Section 2, 132 cm; 2 cm basalt pebble in Section 3, 2 cm. Few thin silt laminae in Section 3, 30-54 cm.
Section 3, 77-95 cm: Packet of interlaminated silt and clay, silt forms about 50% in laminae 2-12 mm thick with sharp burrowed scoured bases and burrowed tops. Silt is quartz-rich with a few percent aragonite needles.
Section 3, 95 cm to Section 4, 104 cm: Clay and silty clay, dark gray to dark greenish gray (N4/0, 5G 4/1, 5GY 4/1), paler (5G 5/1) towards top and base. Few scattered sand grains at top.
Section 4, 104-128 cm: Packet of silt laminae in clay (silt 30%), silts are 1-3 mm thick with faint wavy lamination. Silts effervesce with dilute HCl.
Section 4, 128 cm to Section 5, 93 cm: Clay, structureless (probably bioturbated), dark gray to dark greenish gray (5Y 4/1, 5GY 4/1, 5G 4/1), faint color banding. Scattered sand grains and granules in Section 5, 32-42 cm.
Section 5, 93-110 cm: Laminated silt interval, as above
Section 5, 110 cm to Section 6, 13 cm: Dark gray to dark greenish gray clay.
Section 6, 13-46 cm: Packet of silt laminae with silt about 20%; silts have sharp tops and bases and contain abundant aragonite needles. Tiny burrows disrupt the laminae.
Section 6, 46 cm-base: Silty clay, mainly dark greenish gray (5G 4/1), faint color banding; thin silt laminae at 125 and 127 cm. Burrow-mottled.

## Core Image

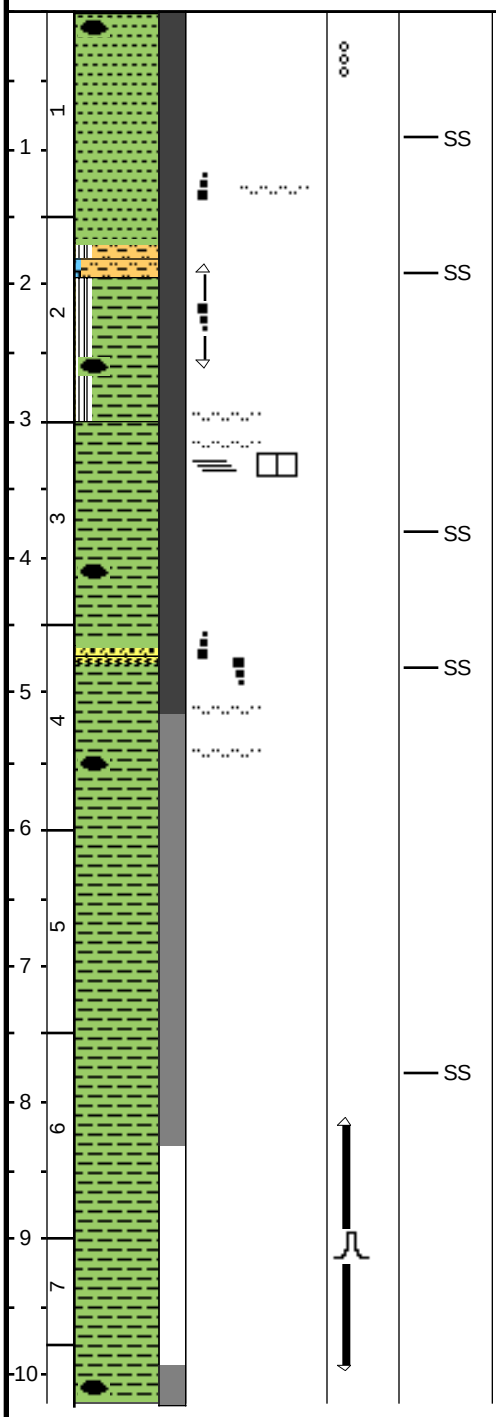

Site 1096 Hole A Core 12H
Cored 102.7-112.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SILTY CLAY
Entire core consists of uniform silty clay, dark gray (N4/0). All the sections are soupy because of coring disturbance.
1
2
3
-1
-2
-3

## Core Image


Site 1096 Hole A Core 13H
Cored 112.2-121.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
1
2
-1
-2
SS
CLAY
Section 1 to Core Catcher: Entire core is extremely disturbed, dark gray (5Y 4/1) clay with scattered pebbles, granules, and sand; in Section 1, an angular metamorphic pebble (1.5 cm) occurs at 108 cm, a subangular, basaltic pebble (2 cm) occurs at 123 cm.

## Core Image

**Site 1096 Hole A Core 14H Cored 121.7-131.2 mbsf**




CLAY and SILTY CLAY with FORAMINIFER-BEARING CLAYEY SILT

Section 1, 1 cm: Ice rafted pebble, 3 cm, well rounded.
Section 1, 0 cm to Section 2, 20 cm: Gray (N5/0 and N4/0) interbedded clay and silty clay, weakly laminated. Dark greenish gray (5G 4/1) clay layer at Section 1, 125-132 cm. The color shows mottling indicative of extensive bioturbation.

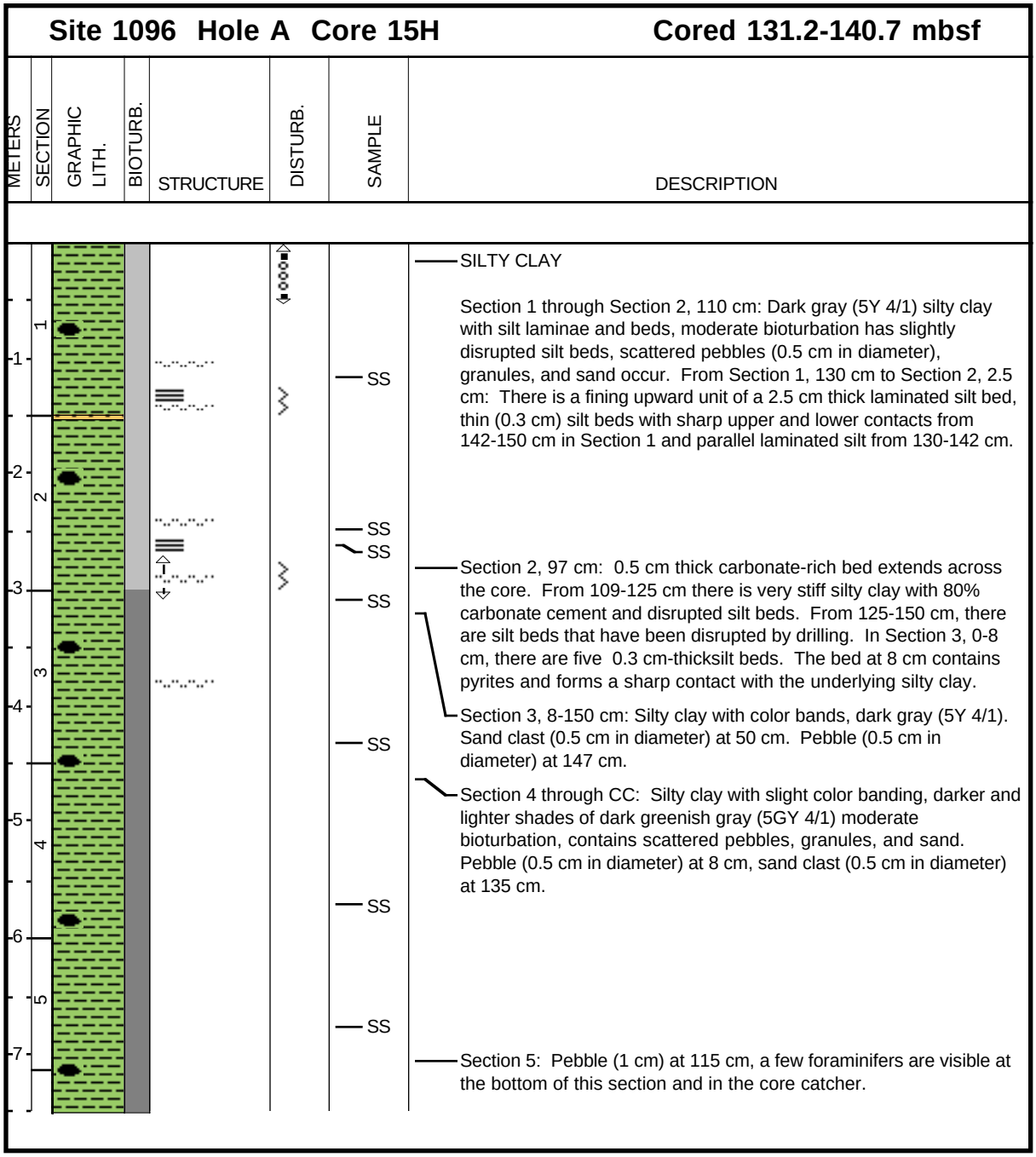
Section 2, 20-150 cm: Greenish gray (5G 5/1) foraminifer-bearing clayey silt, with abundant scattered sand grains. Intensively bioturbated. There is a general upward coarsening; foraminifer s are most common from 35-45 cm .
Ice rafted pebble, 2 cm in size, in Section 2, 112 cm.
Silt laminae in Section 2, 145 cm.

Section 3, 0 cm to Section 4, 17 cm: Variegated dark greenish gray (5G 4/1; 5BG 4/1), silty clay. Faintly laminated to uniform and intensively bioturbated. Scattered sand grains. In Section 3, 24-27 cm, the deposits are lithified, resulting in thin lamination of the clays with calcite cement. Silt laminae in Section 3, 16 cm and ice rafted pebble (up to 3 cm, well rounded) in Section 3, 110 cm.

Section 4, 17-28 cm: Dark greenish gray (5GY 4/1) terrigenous clay/silt/sand. Abundant scattered debris, up to 2 cm and well rounded. The layer shows a bimodal upward coarsening, upward fining sequence, from base to top. Intensively bioturbated.

Section 4, 17 cm to Section 7, 80 cm and Core Catcher: Variegated dark greenish gray (5G 4/1; 5GY 4/1), silty clay. Faintly laminated to uniform and intensively bioturbated. Scattered sand grains.
Silt laminae in Section 4, at 62 cm, 91 cm. Ice rafted pebbles (up to 4 cm, well rounded) in Section 4, at 100 cm; Section 7, at 30 cm.

## Core Image


Site 1096 Hole A Core 15H
Cored 131.2-140.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SILTY CLAY
Section 1 through Section 2, 110 cm: Dark gray (5Y 4/1) silty clay with silt laminae and beds, moderate bioturbation has slightly disrupted silt beds, scattered pebbles (0.5 cm in diameter), granules, and sand occur. From Section 1, 130 cm to Section 2, 2.5 cm: There is a fining upward unit of a 2.5 cm thick laminated silt bed, thin (0.3 cm) silt beds with sharp upper and lower contacts from 142-150 cm in Section 1 and parallel laminated silt from 130-142 cm.
Section 2, 97 cm: 0.5 cm thick carbonate-rich bed extends across the core. From 109-125 cm there is very stiff silty clay with 80% carbonate cement and disrupted silt beds. From 125-150 cm, there are silt beds that have been disrupted by drilling. In Section 3, 0-8 cm, there are five 0.3 cm-thicksilt beds. The bed at 8 cm contains pyrites and forms a sharp contact with the underlying silty clay.
Section 3, 8-150 cm: Silty clay with color bands, dark gray (5Y 4/1). Sand clast (0.5 cm in diameter) at 50 cm. Pebble (0.5 cm in diameter) at 147 cm.
Section 4 through CC: Silty clay with slight color banding, darker and lighter shades of dark greenish gray (5GY 4/1) moderate bioturbation, contains scattered pebbles, granules, and sand. Pebble (0.5 cm in diameter) at 8 cm, sand clast (0.5 cm in diameter) at 135 cm.
Section 5: Pebble (1 cm) at 115 cm, a few foraminifers are visible at the bottom of this section and in the core catcher.
SS
SS
SS
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SS
SS
1
2
3
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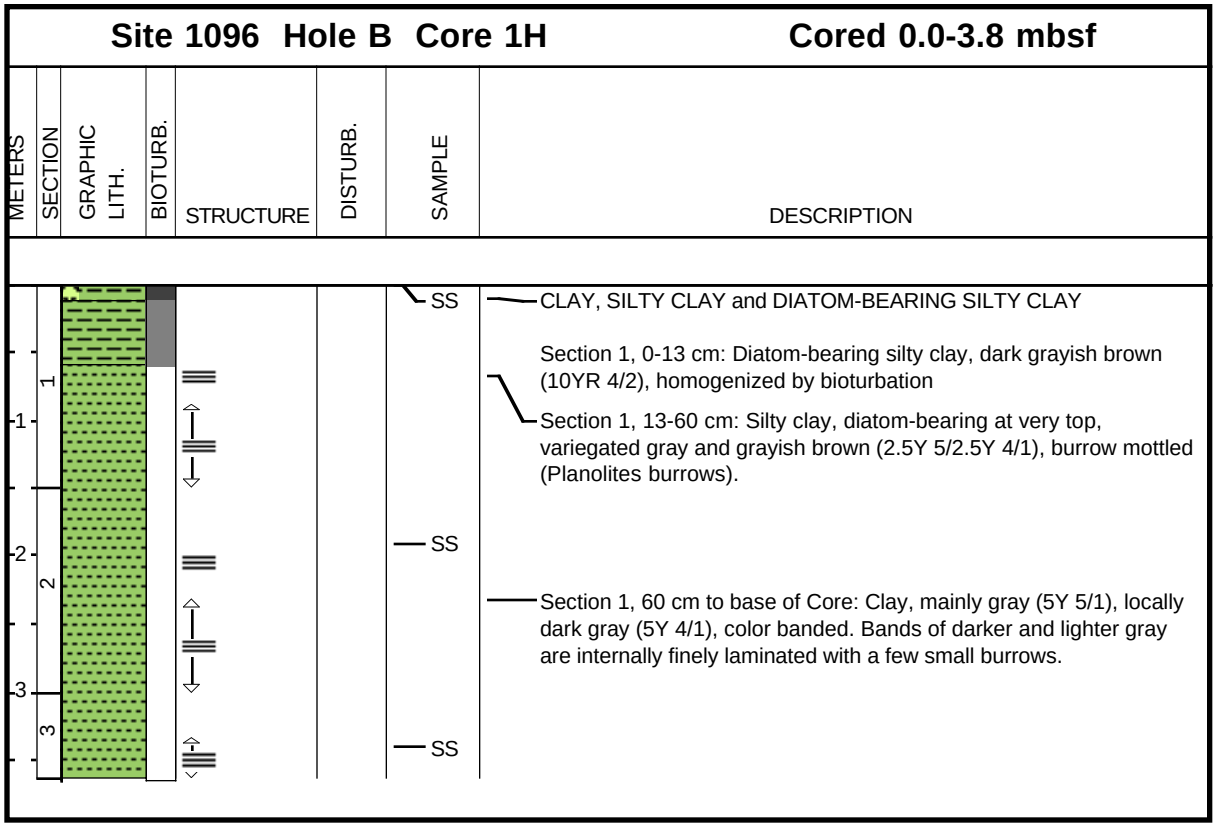
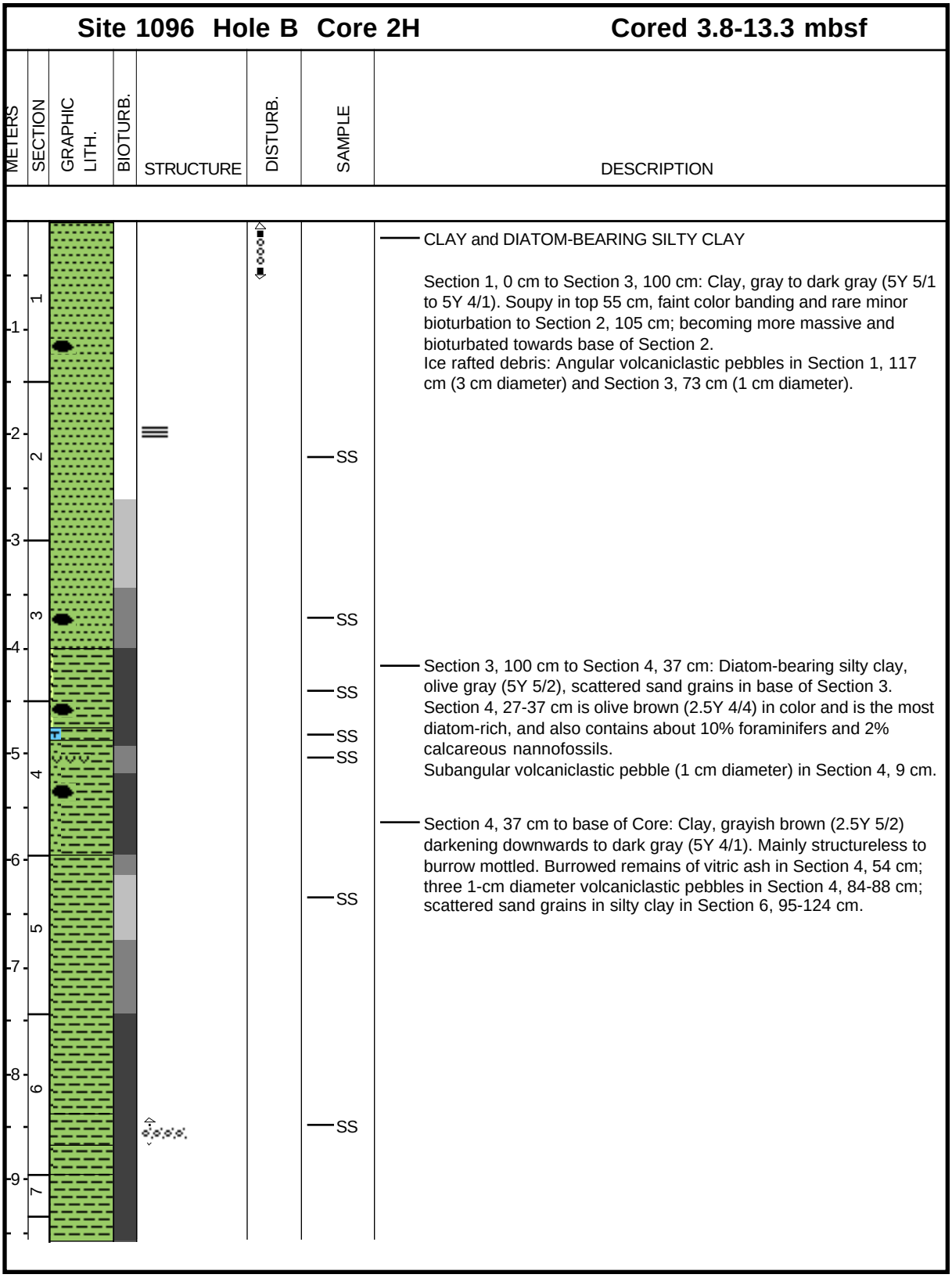
5
1
2
3
4
5
6
7

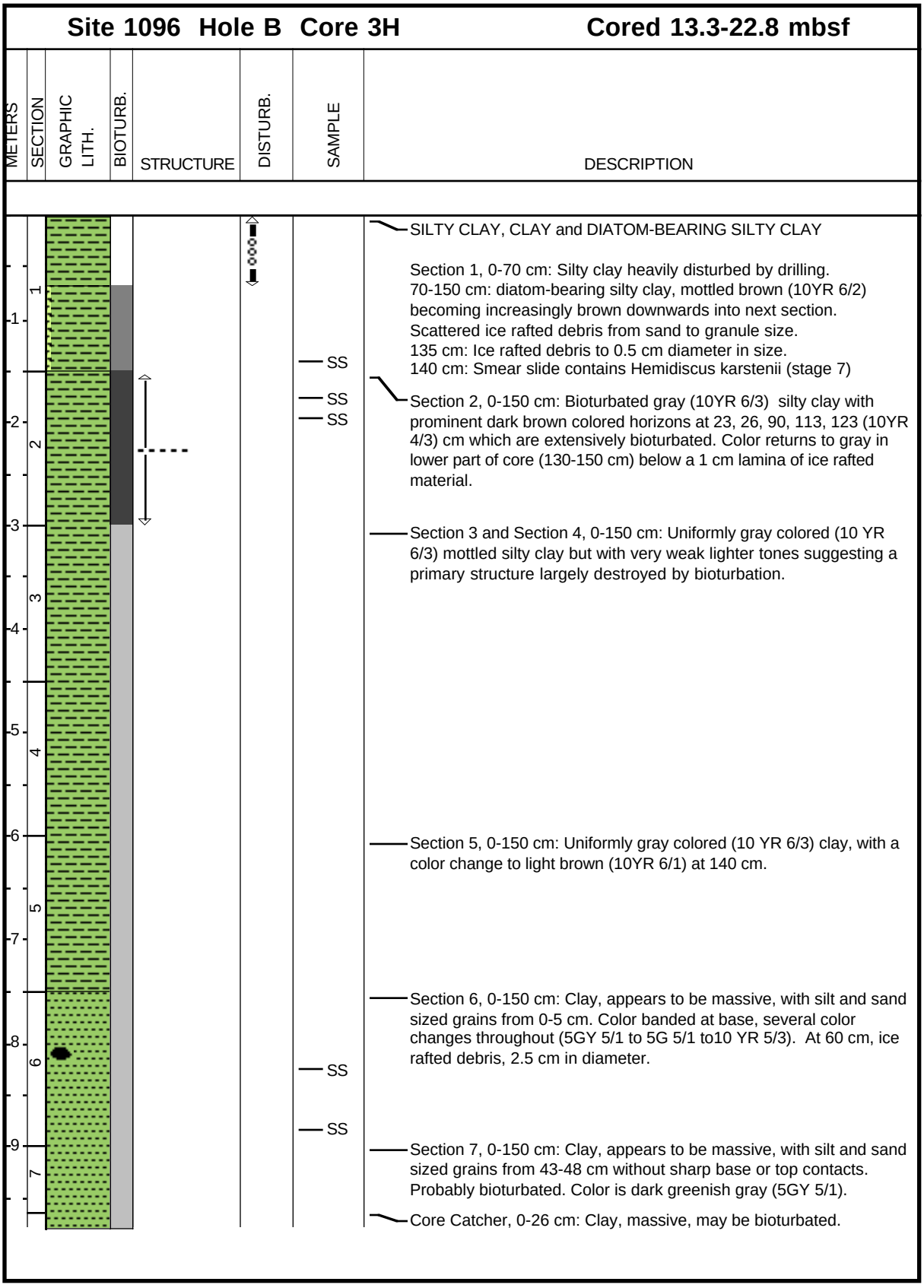
## Core Image


Site 1096 Hole B Core 1H
Cored 0.0-3.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
CLAY, SILTY CLAY and DIATOM-BEARING SILTY CLAY
Section 1, 0-13 cm: Diatom-bearing silty clay, dark grayish brown (10YR 4/2), homogenized by bioturbation
Section 1, 13-60 cm: Silty clay, diatom-bearing at very top, variegated gray and grayish brown (2.5Y 5/2.5Y 4/1), burrow mottled (Planolites burrows).
Section 1, 60 cm to base of Core: Clay, mainly gray (5Y 5/1), locally dark gray (5Y 4/1), color banded. Bands of darker and lighter gray are internally finely laminated with a few small burrows.

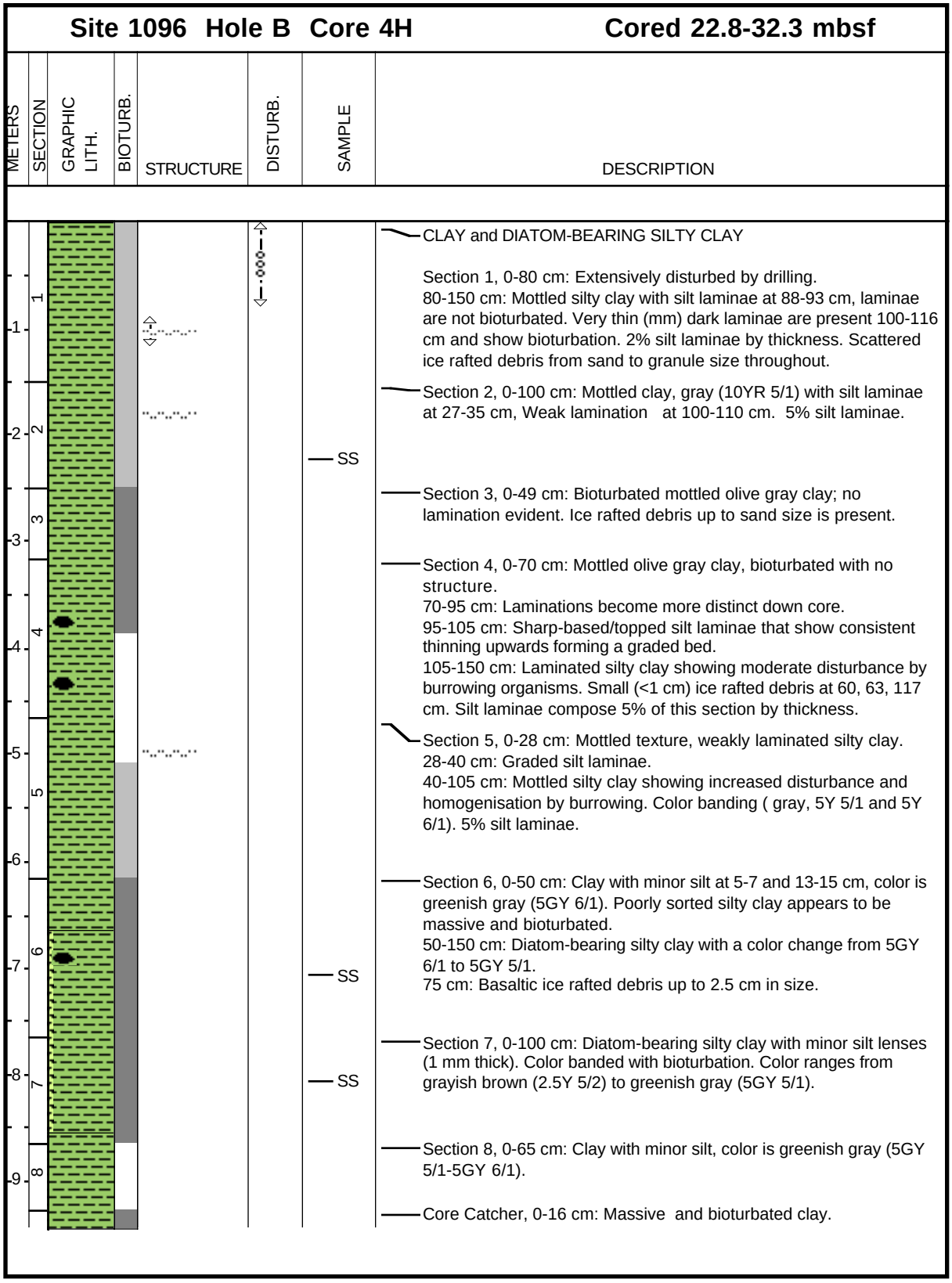
## Core Image


Site 1096 Hole B Core 2H Cored 3.8-13.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
CLAY and DIATOM-BEARING SILTY CLAY
Section 1, 0 cm to Section 3, 100 cm: Clay, gray to dark gray (5Y 5/1 to 5Y 4/1). Soupy in top 55 cm, faint color banding and rare minor bioturbation to Section 2, 105 cm; becoming more massive and bioturbated towards base of Section 2.
Ice rafted debris: Angular volcaniclastic pebbles in Section 1, 117 cm (3 cm diameter) and Section 3, 73 cm (1 cm diameter).
SS
SS
SS
SS
SS
Section 3, 100 cm to Section 4, 37 cm: Diatom-bearing silty clay, olive gray (5Y 5/2), scattered sand grains in base of Section 3.
Section 4, 27-37 cm is olive brown (2.5Y 4/4) in color and is the most diatom-rich, and also contains about 10% foraminifers and 2% calcareous nannofossils.
Subangular volcaniclastic pebble (1 cm diameter) in Section 4, 9 cm.
Section 4, 37 cm to base of Core: Clay, grayish brown (2.5Y 5/2) darkening downwards to dark gray (5Y 4/1). Mainly structureless to burrow mottled. Burrowed remains of vitric ash in Section 4, 54 cm; three 1-cm diameter volcaniclastic pebbles in Section 4, 84-88 cm; scattered sand grains in silty clay in Section 6, 95-124 cm.
SS
SS

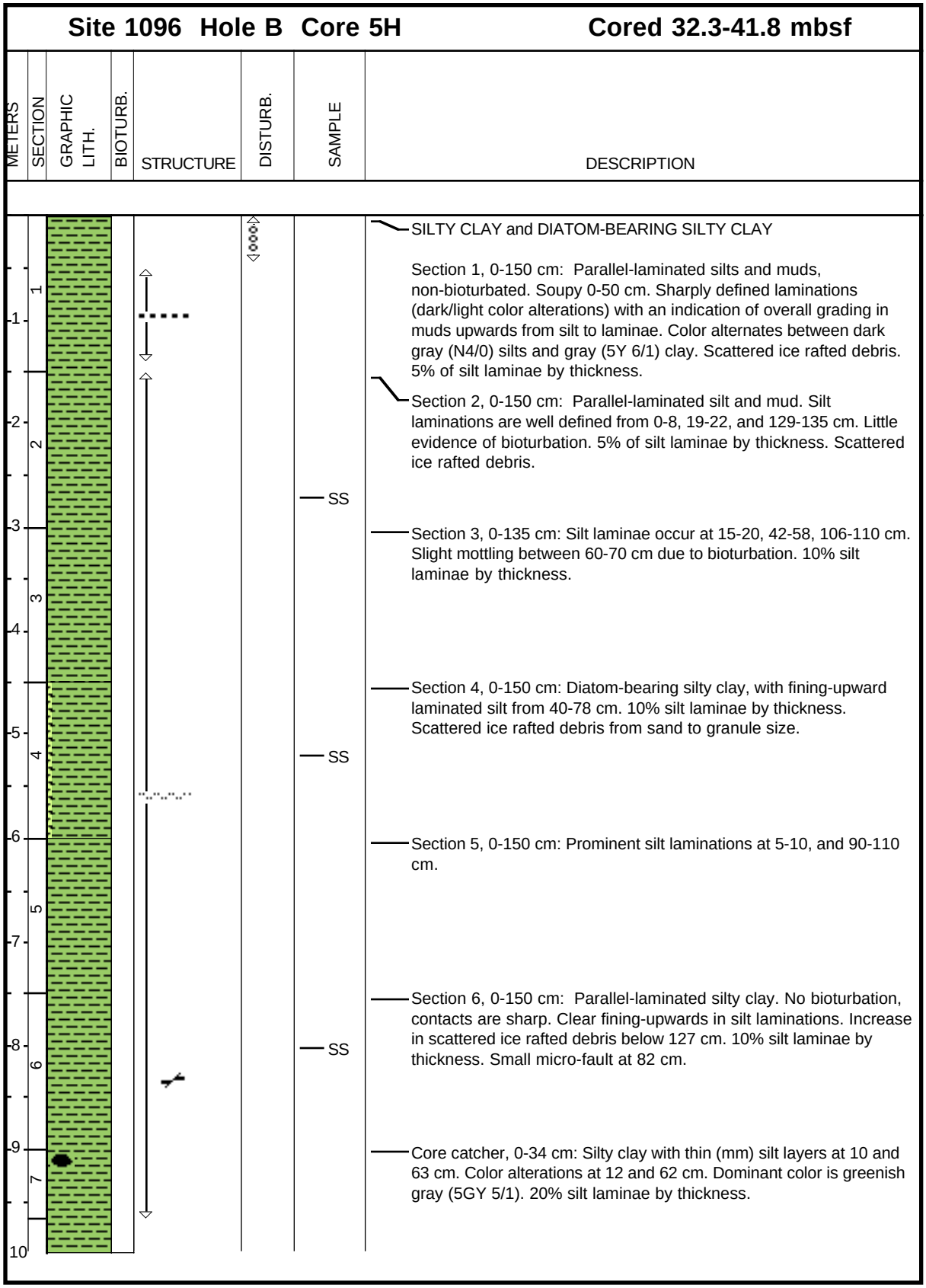
## Core Image


Site 1096 Hole B Core 3H Cored 13.3-22.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SILTY CLAY, CLAY and DIATOM-BEARING SILTY CLAY
Section 1, 0-70 cm: Silty clay heavily disturbed by drilling.
70-150 cm: diatom-bearing silty clay, mottled brown (10YR 6/2) becoming increasingly brown downwards into next section.
Scattered ice rafted debris from sand to granule size.
135 cm: Ice rafted debris to 0.5 cm diameter in size.
140 cm: Smear slide contains Hemidiscus karstenii (stage 7)
SS
SS
SS
Section 2, 0-150 cm: Bioturbated gray (10YR 6/3) silty clay with prominent dark brown colored horizons at 23, 26, 90, 113, 123 (10YR 4/3) cm which are extensively bioturbated. Color returns to gray in lower part of core (130-150 cm) below a 1 cm lamina of ice rafted material.
Section 3 and Section 4, 0-150 cm: Uniformly gray colored (10 YR 6/3) mottled silty clay but with very weak lighter tones suggesting a primary structure largely destroyed by bioturbation.
Section 5, 0-150 cm: Uniformly gray colored (10 YR 6/3) clay, with a color change to light brown (10YR 6/1) at 140 cm.
Section 6, 0-150 cm: Clay, appears to be massive, with silt and sand sized grains from 0-5 cm. Color banded at base, several color changes throughout (5GY 5/1 to 5G 5/1 to10 YR 5/3). At 60 cm, ice rafted debris, 2.5 cm in diameter.
SS
SS
Section 7, 0-150 cm: Clay, appears to be massive, with silt and sand sized grains from 43-48 cm without sharp base or top contacts. Probably bioturbated. Color is dark greenish gray (5GY 5/1).
Core Catcher, 0-26 cm: Clay, massive, may be bioturbated.

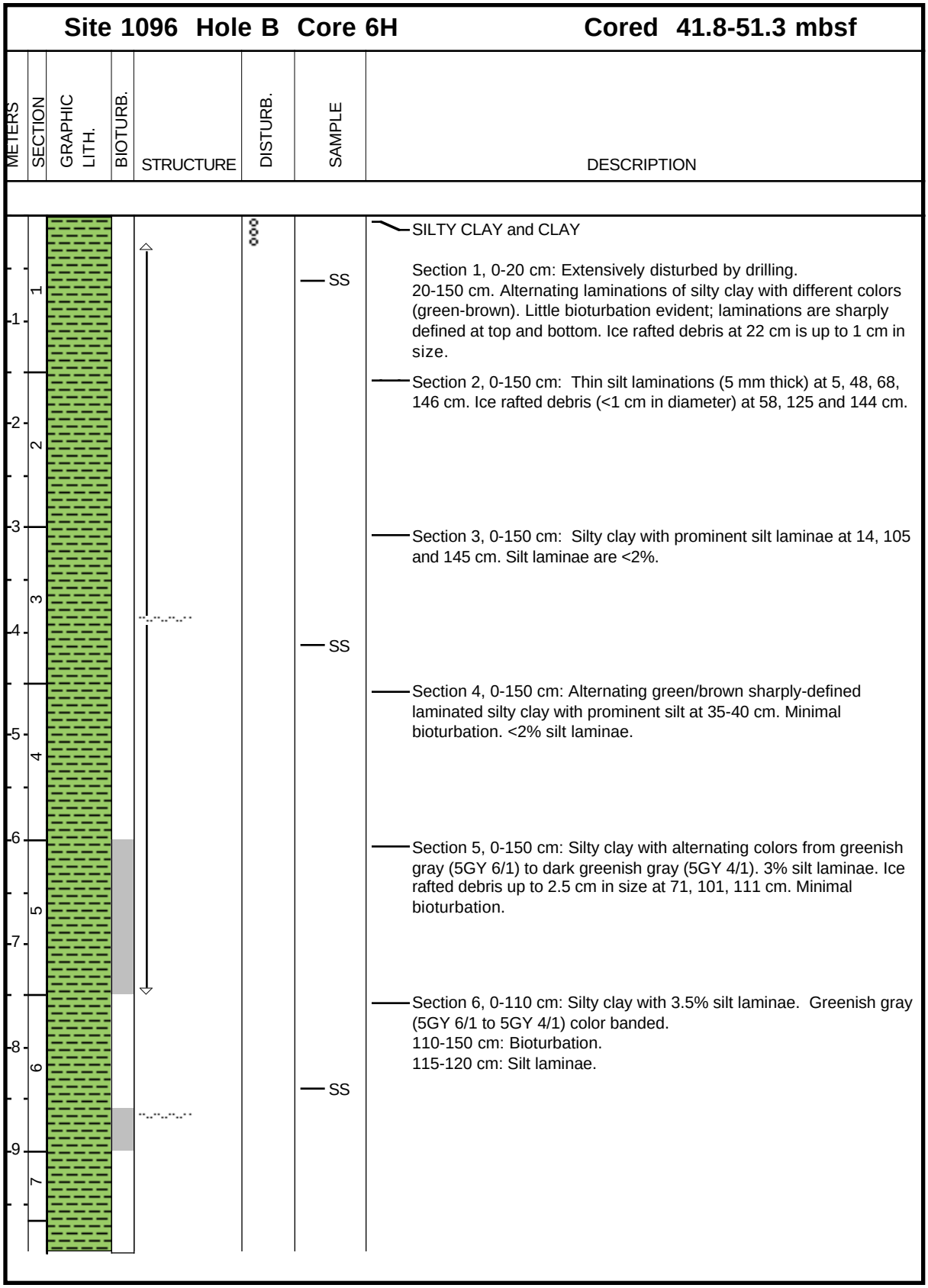
## Core Image


Site 1096 Hole B Core 4H Cored 22.8-32.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
CLAY and DIATOM-BEARING SILTY CLAY
Section 1, 0-80 cm: Extensively disturbed by drilling.
80-150 cm: Mottled silty clay with silt laminae at 88-93 cm, laminae are not bioturbated. Very thin (mm) dark laminae are present 100-116 cm and show bioturbation. 2% silt laminae by thickness. Scattered ice rafted debris from sand to granule size throughout.
Section 2, 0-100 cm: Mottled clay, gray (10YR 5/1) with silt laminae at 27-35 cm, Weak lamination at 100-110 cm. 5% silt laminae.
SS
Section 3, 0-49 cm: Bioturbated mottled olive gray clay; no lamination evident. Ice rafted debris up to sand size is present.
Section 4, 0-70 cm: Mottled olive gray clay, bioturbated with no structure.
70-95 cm: Laminations become more distinct down core.
95-105 cm: Sharp-based/topped silt laminae that show consistent thinning upwards forming a graded bed.
105-150 cm: Laminated silty clay showing moderate disturbance by burrowing organisms. Small (<1 cm) ice rafted debris at 60, 63, 117 cm. Silt laminae compose 5% of this section by thickness.
Section 5, 0-28 cm: Mottled texture, weakly laminated silty clay.
28-40 cm: Graded silt laminae.
40-105 cm: Mottled silty clay showing increased disturbance and homogenisation by burrowing. Color banding ( gray, 5Y 5/1 and 5Y 6/1). 5% silt laminae.
Section 6, 0-50 cm: Clay with minor silt at 5-7 and 13-15 cm, color is greenish gray (5GY 6/1). Poorly sorted silty clay appears to be massive and bioturbated.
50-150 cm: Diatom-bearing silty clay with a color change from 5GY 6/1 to 5GY 5/1.
75 cm: Basaltic ice rafted debris up to 2.5 cm in size.
SS
Section 7, 0-100 cm: Diatom-bearing silty clay with minor silt lenses (1 mm thick). Color banded with bioturbation. Color ranges from grayish brown (2.5Y 5/2) to greenish gray (5GY 5/1).
SS
Section 8, 0-65 cm: Clay with minor silt, color is greenish gray (5GY 5/1-5GY 6/1).
Core Catcher, 0-16 cm: Massive and bioturbated clay.

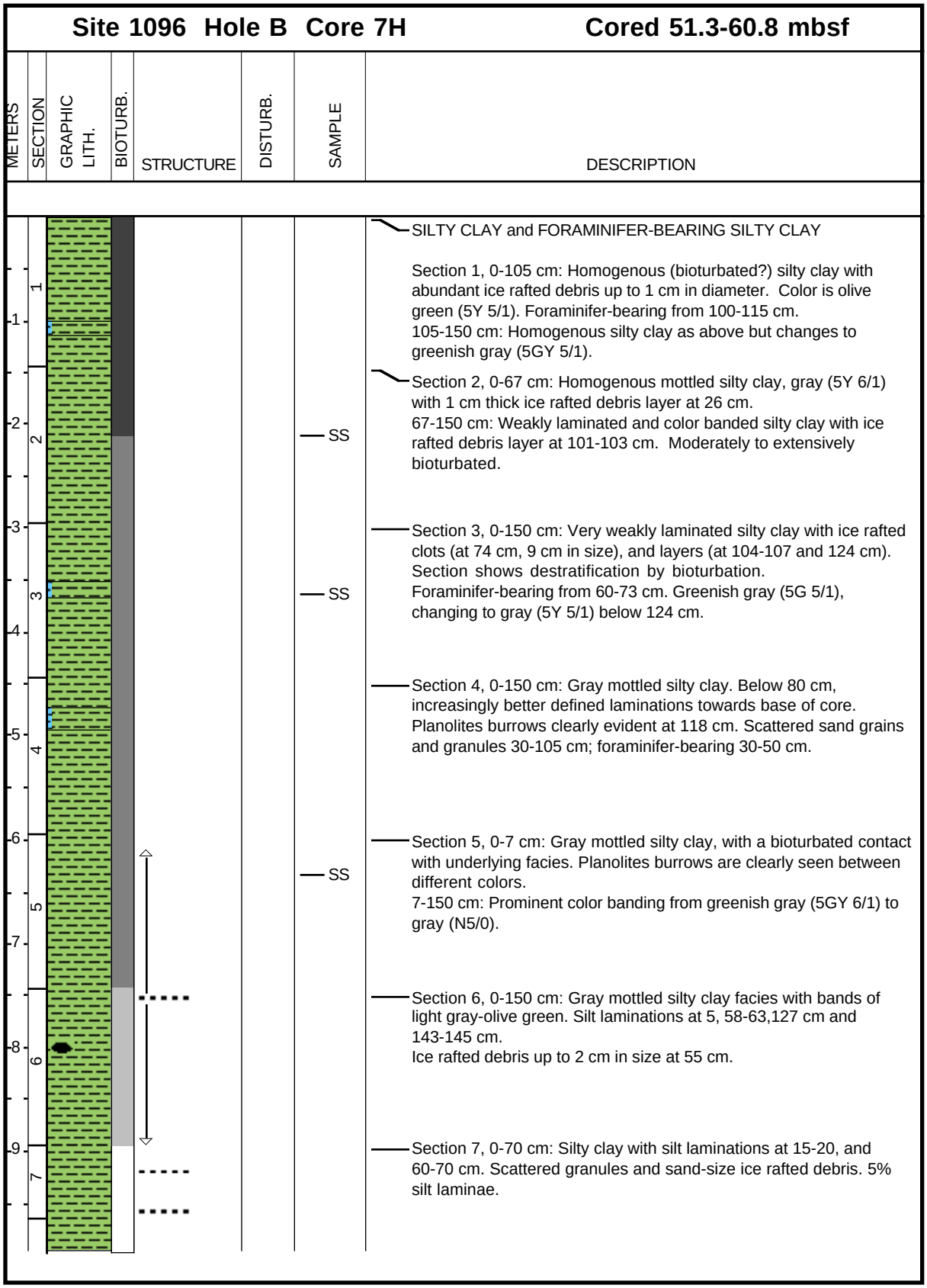
## Core Image


Site 1096 Hole B Core 5H Cored 32.3-41.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SILTY CLAY and DIATOM-BEARING SILTY CLAY
Section 1, 0-150 cm: Parallel-laminated silts and muds, non-bioturbated. Soupy 0-50 cm. Sharply defined laminations (dark/light color alterations) with an indication of overall grading in muds upwards from silt to laminae. Color alternates between dark gray (N4/0) silts and gray (5Y 6/1) clay. Scattered ice rafted debris. 5% of silt laminae by thickness.
Section 2, 0-150 cm: Parallel-laminated silt and mud. Silt laminations are well defined from 0-8, 19-22, and 129-135 cm. Little evidence of bioturbation. 5% of silt laminae by thickness. Scattered ice rafted debris.
SS
Section 3, 0-135 cm: Silt laminae occur at 15-20, 42-58, 106-110 cm. Slight mottling between 60-70 cm due to bioturbation. 10% silt laminae by thickness.
Section 4, 0-150 cm: Diatom-bearing silty clay, with fining-upward laminated silt from 40-78 cm. 10% silt laminae by thickness. Scattered ice rafted debris from sand to granule size.
SS
Section 5, 0-150 cm: Prominent silt laminations at 5-10, and 90-110 cm.
Section 6, 0-150 cm: Parallel-laminated silty clay. No bioturbation, contacts are sharp. Clear fining-upwards in silt laminations. Increase in scattered ice rafted debris below 127 cm. 10% silt laminae by thickness. Small micro-fault at 82 cm.
SS
Core catcher, 0-34 cm: Silty clay with thin (mm) silt layers at 10 and 63 cm. Color alterations at 12 and 62 cm. Dominant color is greenish gray (5GY 5/1). 20% silt laminae by thickness.

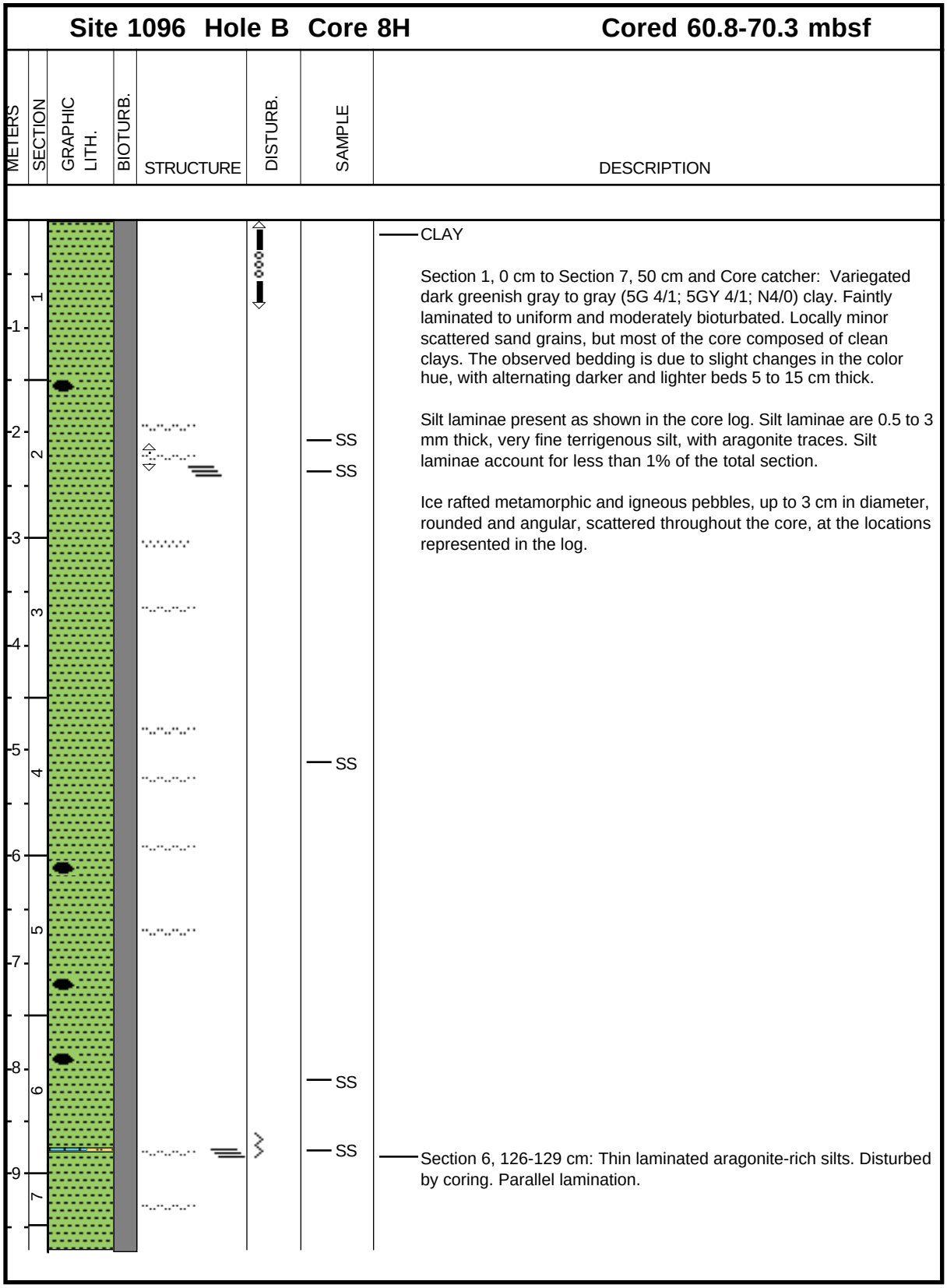
## Core Image


Site 1096 Hole B Core 6H
Cored 41.8-51.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SILTY CLAY and CLAY
Section 1, 0-20 cm: Extensively disturbed by drilling.
20-150 cm. Alternating laminations of silty clay with different colors (green-brown). Little bioturbation evident; laminations are sharply defined at top and bottom. Ice rafted debris at 22 cm is up to 1 cm in size.
Section 2, 0-150 cm: Thin silt laminations (5 mm thick) at 5, 48, 68, 146 cm. Ice rafted debris (<1 cm in diameter) at 58, 125 and 144 cm.
Section 3, 0-150 cm: Silty clay with prominent silt laminae at 14, 105 and 145 cm. Silt laminae are <2%.
Section 4, 0-150 cm: Alternating green/brown sharply-defined laminated silty clay with prominent silt at 35-40 cm. Minimal bioturbation. <2% silt laminae.
Section 5, 0-150 cm: Silty clay with alternating colors from greenish gray (5GY 6/1) to dark greenish gray (5GY 4/1). 3% silt laminae. Ice rafted debris up to 2.5 cm in size at 71, 101, 111 cm. Minimal bioturbation.
Section 6, 0-110 cm: Silty clay with 3.5% silt laminae. Greenish gray (5GY 6/1 to 5GY 4/1) color banded.
110-150 cm: Bioturbation.
115-120 cm: Silt laminae.
SS
SS
SS

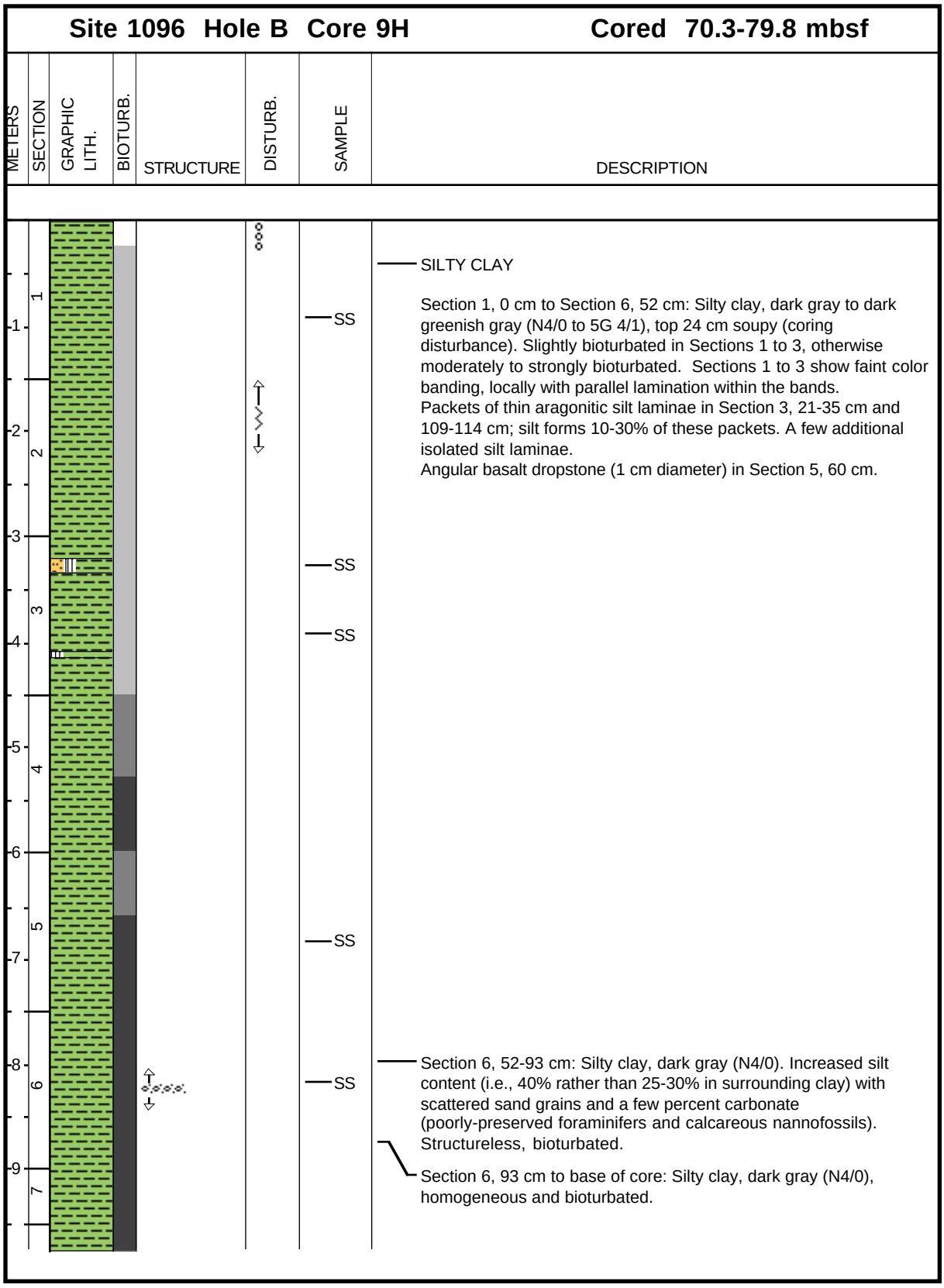
## Core Image


Site 1096 Hole B Core 7H Cored 51.3-60.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SILTY CLAY and FORAMINIFER-BEARING SILTY CLAY
Section 1, 0-105 cm: Homogenous (bioturbated?) silty clay with abundant ice rafted debris up to 1 cm in diameter. Color is olive green (5Y 5/1). Foraminifer-bearing from 100-115 cm.
105-150 cm: Homogenous silty clay as above but changes to greenish gray (5GY 5/1).
Section 2, 0-67 cm: Homogenous mottled silty clay, gray (5Y 6/1) with 1 cm thick ice rafted debris layer at 26 cm.
67-150 cm: Weakly laminated and color banded silty clay with ice rafted debris layer at 101-103 cm. Moderately to extensively bioturbated.
SS
Section 3, 0-150 cm: Very weakly laminated silty clay with ice rafted clots (at 74 cm, 9 cm in size), and layers (at 104-107 and 124 cm). Section shows destratification by bioturbation.
Foraminifer-bearing from 60-73 cm. Greenish gray (5G 5/1), changing to gray (5Y 5/1) below 124 cm.
SS
Section 4, 0-150 cm: Gray mottled silty clay. Below 80 cm, increasingly better defined laminations towards base of core. Planolites burrows clearly evident at 118 cm. Scattered sand grains and granules 30-105 cm; foraminifer-bearing 30-50 cm.
Section 5, 0-7 cm: Gray mottled silty clay, with a bioturbated contact with underlying facies. Planolites burrows are clearly seen between different colors.
7-150 cm: Prominent color banding from greenish gray (5GY 6/1) to gray (N5/0).
SS
Section 6, 0-150 cm: Gray mottled silty clay facies with bands of light gray-olive green. Silt laminations at 5, 58-63,127 cm and 143-145 cm.
Ice rafted debris up to 2 cm in size at 55 cm.
Section 7, 0-70 cm: Silty clay with silt laminations at 15-20, and 60-70 cm. Scattered granules and sand-size ice rafted debris. 5% silt laminae.

## Core Image


Site 1096 Hole B Core 8H Cored 60.8-70.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
CLAY
Section 1, 0 cm to Section 7, 50 cm and Core catcher: Variegated dark greenish gray to gray (5G 4/1; 5GY 4/1; N4/0) clay. Faintly laminated to uniform and moderately bioturbated. Locally minor scattered sand grains, but most of the core composed of clean clays. The observed bedding is due to slight changes in the color hue, with alternating darker and lighter beds 5 to 15 cm thick.
Silt laminae present as shown in the core log. Silt laminae are 0.5 to 3 mm thick, very fine terrigenous silt, with aragonite traces. Silt laminae account for less than 1% of the total section.
Ice rafted metamorphic and igneous pebbles, up to 3 cm in diameter, rounded and angular, scattered throughout the core, at the locations represented in the log.
SS
SS
SS
SS
SS
Section 6, 126-129 cm: Thin laminated aragonite-rich silts. Disturbed by coring. Parallel lamination.

## Core Image


Site 1096 Hole B Core 9H Cored 70.3-79.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SILTY CLAY
Section 1, 0 cm to Section 6, 52 cm: Silty clay, dark gray to dark greenish gray (N4/0 to 5G 4/1), top 24 cm soupy (coring disturbance). Slightly bioturbated in Sections 1 to 3, otherwise moderately to strongly bioturbated. Sections 1 to 3 show faint color banding, locally with parallel lamination within the bands.
Packets of thin aragonitic silt laminae in Section 3, 21-35 cm and 109-114 cm; silt forms 10-30% of these packets. A few additional isolated silt laminae.
Angular basalt dropstone (1 cm diameter) in Section 5, 60 cm.
SS
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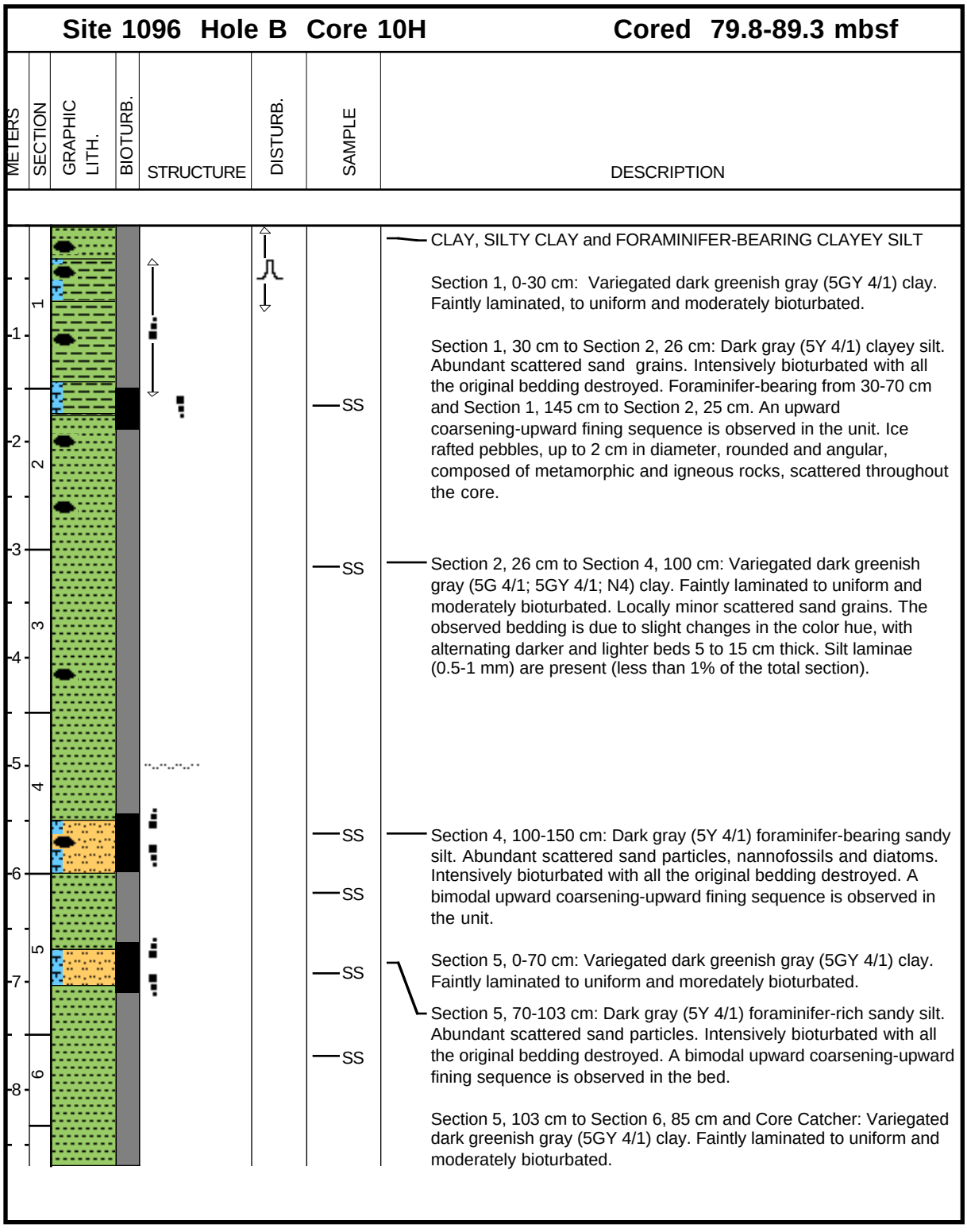
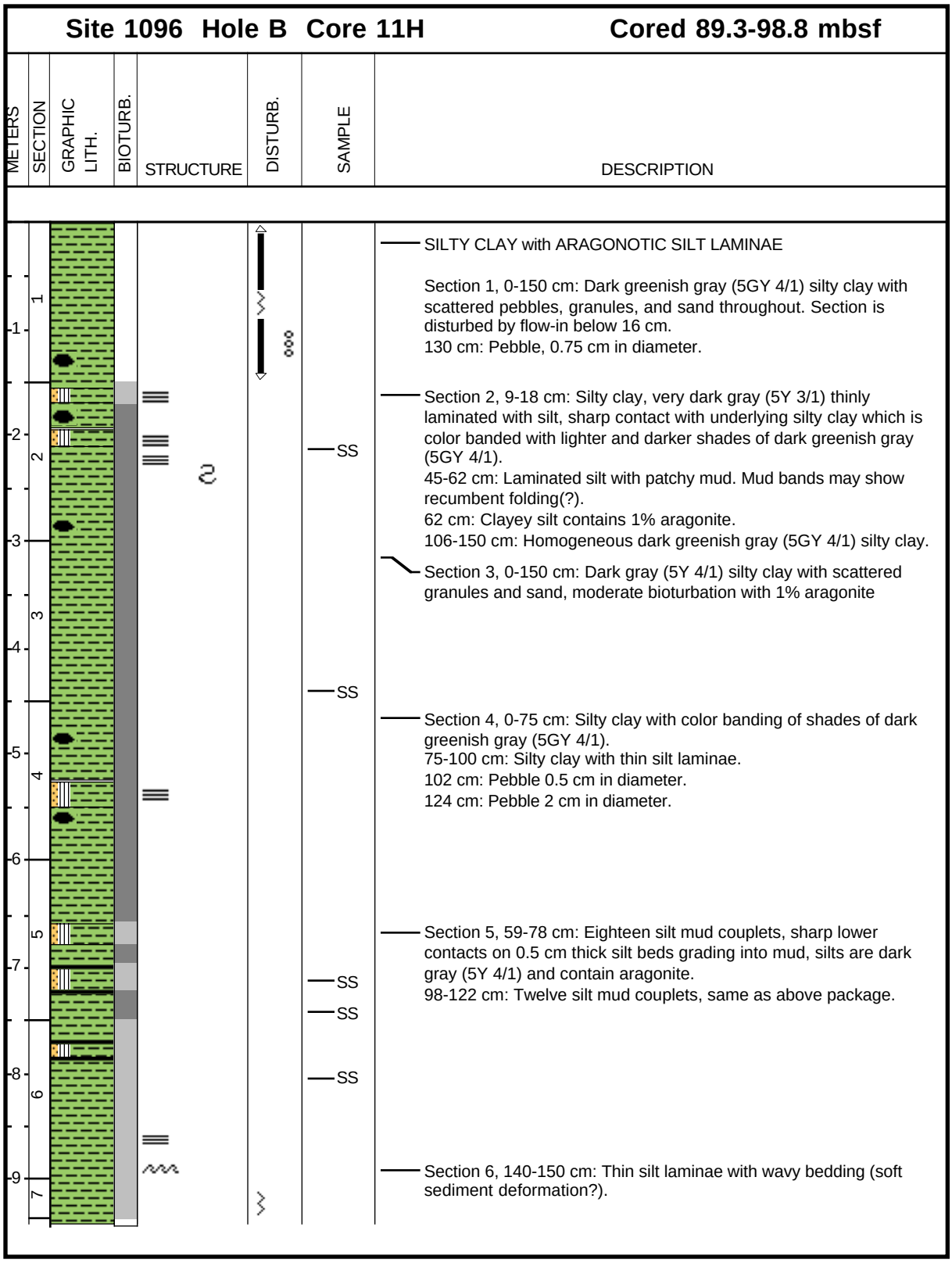
SS
SS
Section 6, 52-93 cm: Silty clay, dark gray (N4/0). Increased silt content (i.e., 40% rather than 25-30% in surrounding clay) with scattered sand grains and a few percent carbonate (poorly-preserved foraminifers and calcareous nannofossils). Structureless, bioturbated.
Section 6, 93 cm to base of core: Silty clay, dark gray (N4/0), homogeneous and bioturbated.

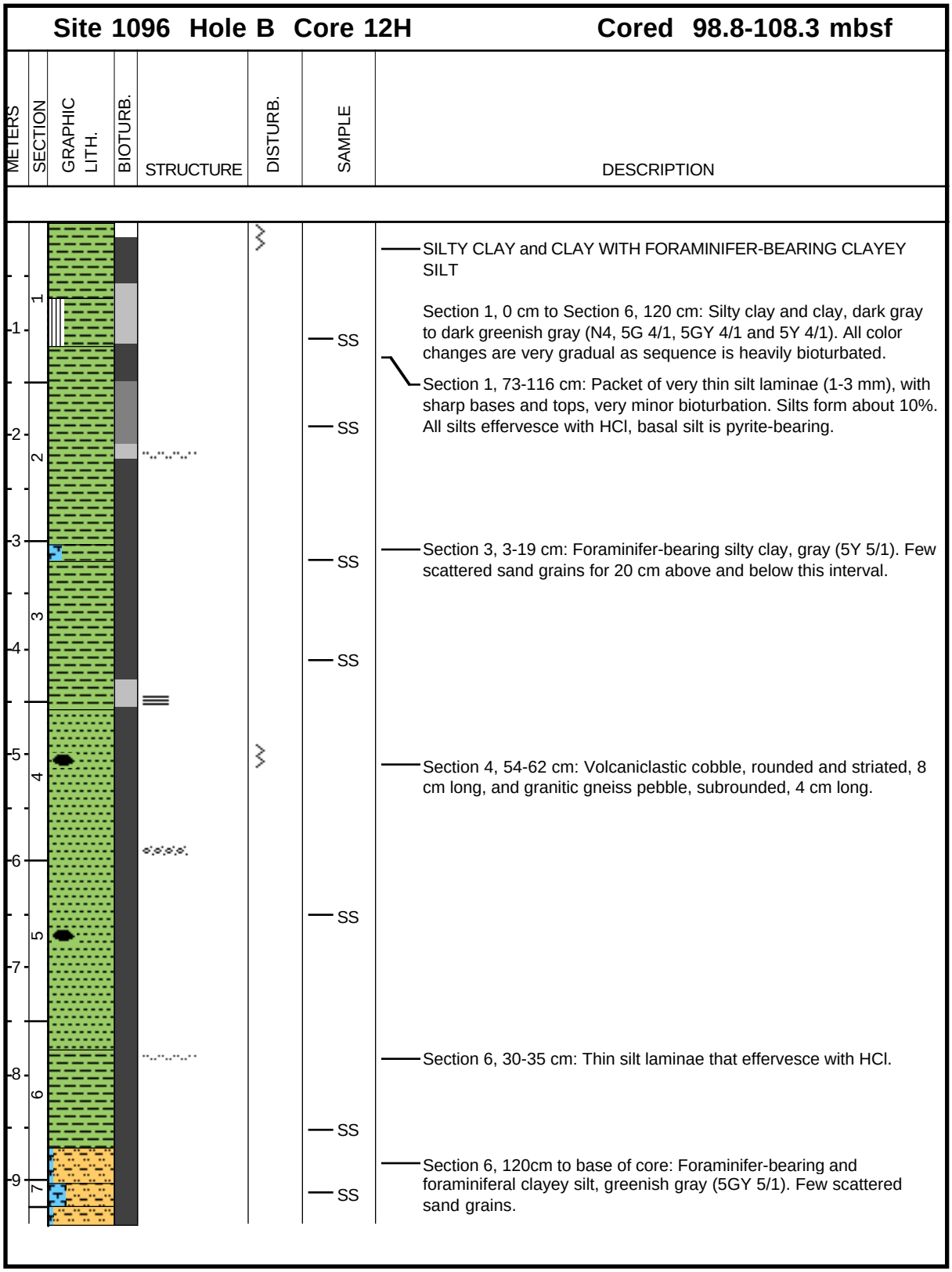
## Core Image


Site 1096 Hole B Core 10H Cored 79.8-89.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
CLAY, SILTY CLAY and FORAMINIFER-BEARING CLAYEY SILT
Section 1, 0-30 cm: Variegated dark greenish gray (5GY 4/1) clay. Faintly laminated, to uniform and moderately bioturbated.
Section 1, 30 cm to Section 2, 26 cm: Dark gray (5Y 4/1) clayey silt. Abundant scattered sand grains. Intensively bioturbated with all the original bedding destroyed. Foraminifer-bearing from 30-70 cm and Section 1, 145 cm to Section 2, 25 cm. An upward coarsening-upward fining sequence is observed in the unit. Ice rafted pebbles, up to 2 cm in diameter, rounded and angular, composed of metamorphic and igneous rocks, scattered throughout the core.
SS
SS
Section 2, 26 cm to Section 4, 100 cm: Variegated dark greenish gray (5G 4/1; 5GY 4/1; N4) clay. Faintly laminated to uniform and moderately bioturbated. Locally minor scattered sand grains. The observed bedding is due to slight changes in the color hue, with alternating darker and lighter beds 5 to 15 cm thick. Silt laminae (0.5-1 mm) are present (less than 1% of the total section).
SS
Section 4, 100-150 cm: Dark gray (5Y 4/1) foraminifer-bearing sandy silt. Abundant scattered sand particles, nannofossils and diatoms. Intensively bioturbated with all the original bedding destroyed. A bimodal upward coarsening-upward fining sequence is observed in the unit.
SS
SS
Section 5, 0-70 cm: Variegated dark greenish gray (5GY 4/1) clay. Faintly laminated to uniform and moredately bioturbated.
Section 5, 70-103 cm: Dark gray (5Y 4/1) foraminifer-rich sandy silt. Abundant scattered sand particles. Intensively bioturbated with all the original bedding destroyed. A bimodal upward coarsening-upward fining sequence is observed in the bed.
SS
Section 5, 103 cm to Section 6, 85 cm and Core Catcher: Variegated dark greenish gray (5GY 4/1) clay. Faintly laminated to uniform and moderately bioturbated.

## Core Image


Site 1096 Hole B Core 11H Cored 89.3-98.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SILTY CLAY with ARAGONOTIC SILT LAMINAE
Section 1, 0-150 cm: Dark greenish gray (5GY 4/1) silty clay with scattered pebbles, granules, and sand throughout. Section is disturbed by flow-in below 16 cm.
130 cm: Pebble, 0.75 cm in diameter.
Section 2, 9-18 cm: Silty clay, very dark gray (5Y 3/1) thinly laminated with silt, sharp contact with underlying silty clay which is color banded with lighter and darker shades of dark greenish gray (5GY 4/1).
45-62 cm: Laminated silt with patchy mud. Mud bands may show recumbent folding(?).
62 cm: Clayey silt contains 1% aragonite.
106-150 cm: Homogeneous dark greenish gray (5GY 4/1) silty clay.
Section 3, 0-150 cm: Dark gray (5Y 4/1) silty clay with scattered granules and sand, moderate bioturbation with 1% aragonite
Section 4, 0-75 cm: Silty clay with color banding of shades of dark greenish gray (5GY 4/1).
75-100 cm: Silty clay with thin silt laminae.
102 cm: Pebble 0.5 cm in diameter.
124 cm: Pebble 2 cm in diameter.
Section 5, 59-78 cm: Eighteen silt mud couplets, sharp lower contacts on 0.5 cm thick silt beds grading into mud, silts are dark gray (5Y 4/1) and contain aragonite.
98-122 cm: Twelve silt mud couplets, same as above package.
Section 6, 140-150 cm: Thin silt laminae with wavy bedding (soft sediment deformation?).
SS
SS
SS
SS
SS

## Core Image


Site 1096 Hole B Core 12H
Cored 98.8-108.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SILTY CLAY and CLAY WITH FORAMINIFER-BEARING CLAYEY SILT
Section 1, 0 cm to Section 6, 120 cm: Silty clay and clay, dark gray to dark greenish gray (N4, 5G 4/1, 5GY 4/1 and 5Y 4/1). All color changes are very gradual as sequence is heavily bioturbated.
Section 1, 73-116 cm: Packet of very thin silt laminae (1-3 mm), with sharp bases and tops, very minor bioturbation. Silts form about 10%. All silts effervesce with HCl, basal silt is pyrite-bearing.
Section 3, 3-19 cm: Foraminifer-bearing silty clay, gray (5Y 5/1). Few scattered sand grains for 20 cm above and below this interval.
Section 4, 54-62 cm: Volcaniclastic cobble, rounded and striated, 8 cm long, and granitic gneiss pebble, subrounded, 4 cm long.
Section 6, 30-35 cm: Thin silt laminae that effervesce with HCl.
Section 6, 120cm to base of core: Foraminifer-bearing and foraminiferal clayey silt, greenish gray (5GY 5/1). Few scattered sand grains.
SS
SS
SS
SS
SS
SS
SS
1
2
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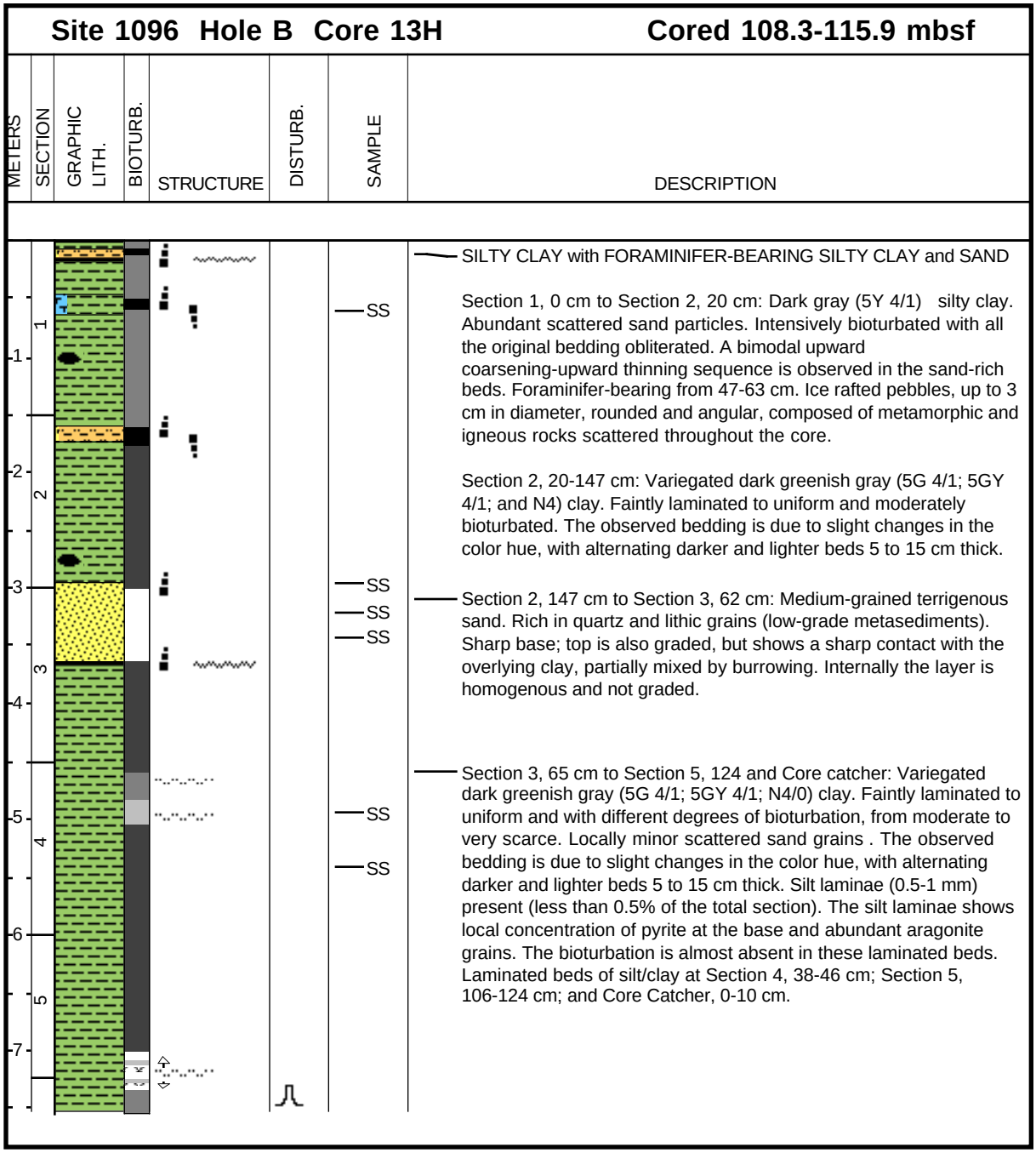
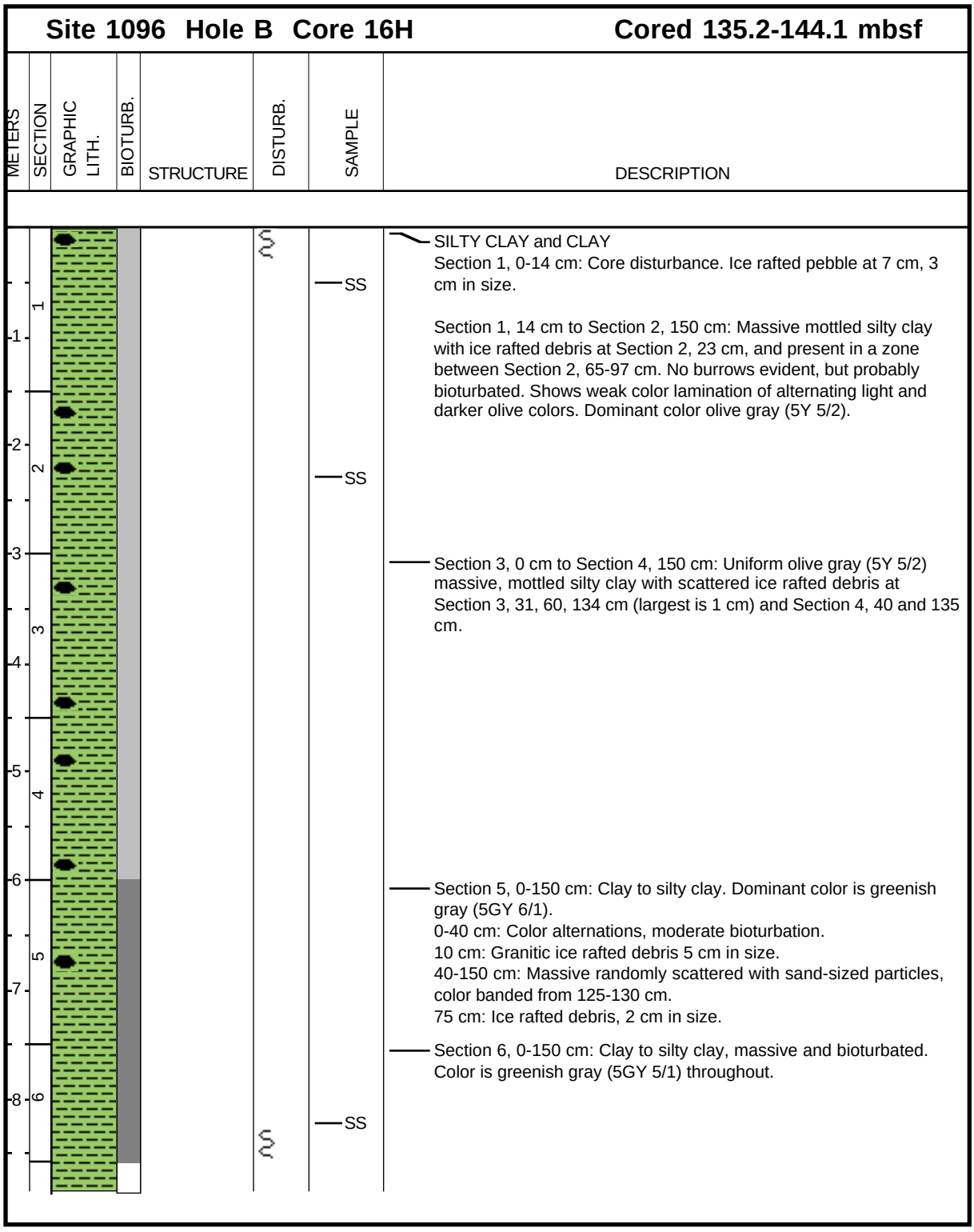
4
5
6
7
-1
-2
-3
-4
-5
-6
-7
-8
-9

## Core Image

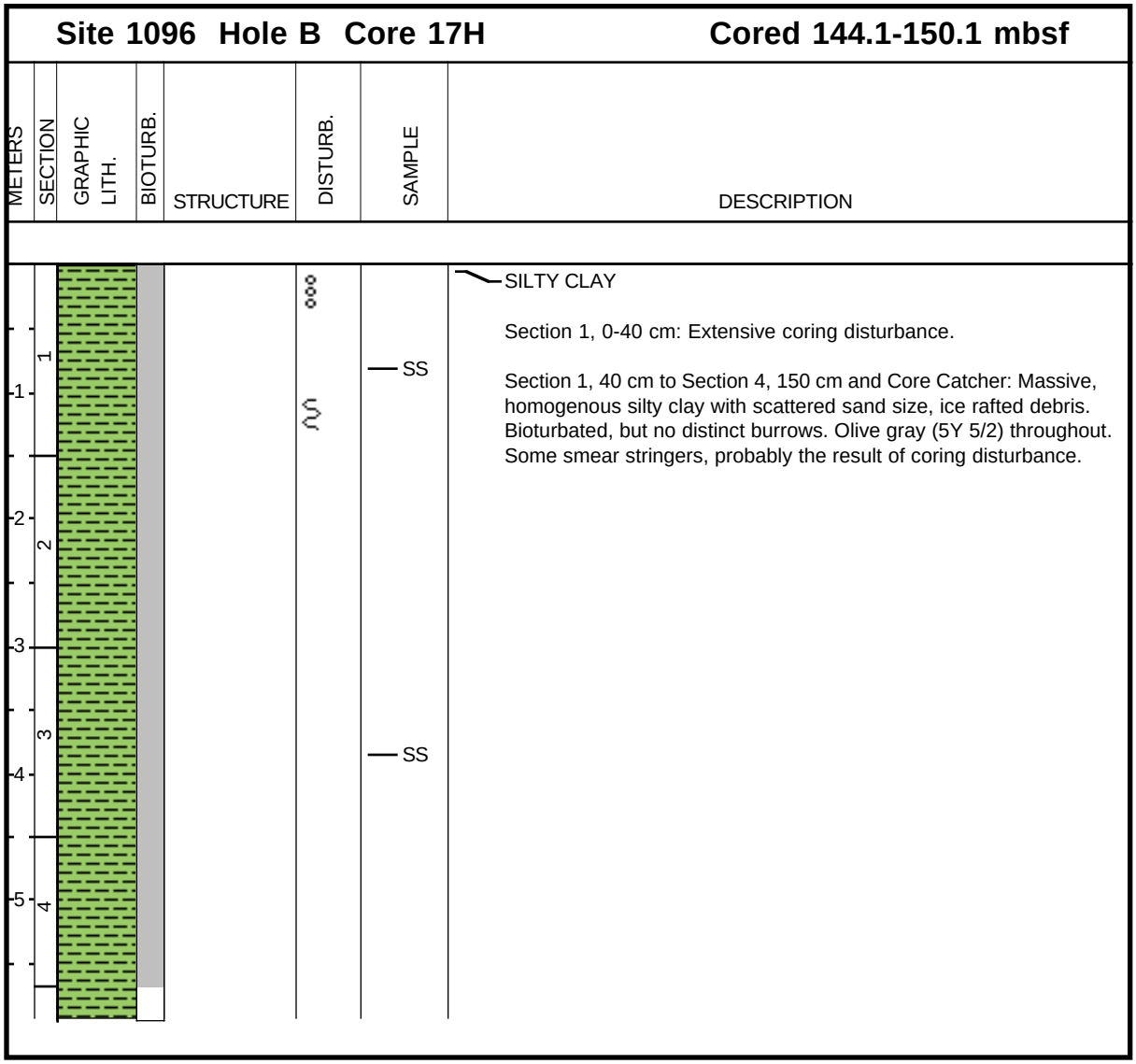



1096B-14X ENTIRE CORE GIVEN TO PALEONTOLOGISTS
1096B-15X NO RECOVERY

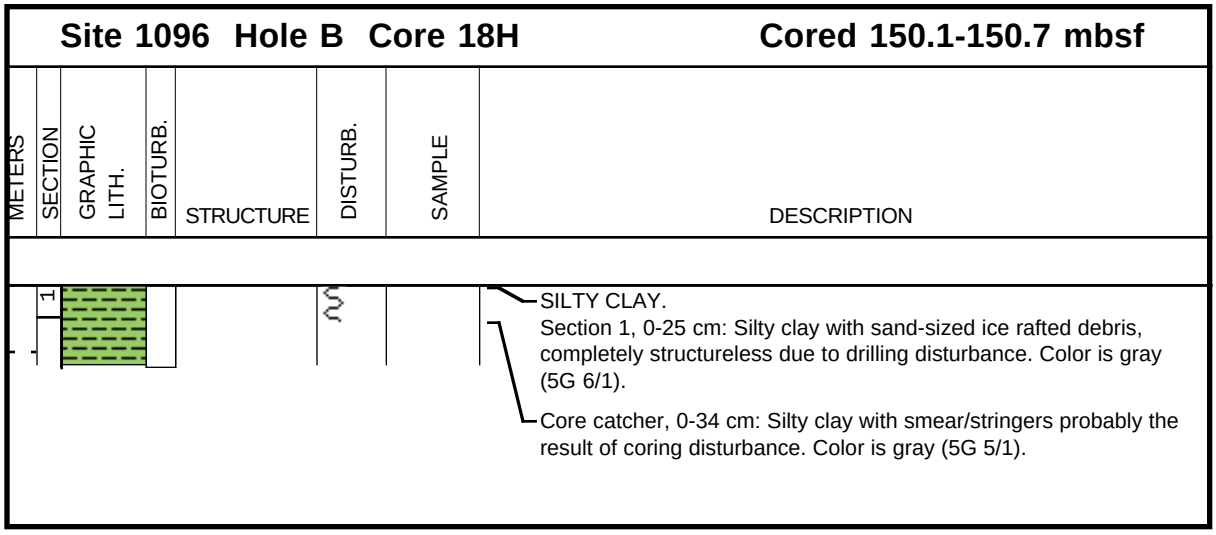
## Core Image


Site 1096 Hole B Core 16H
Cored 135.2-144.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SILTY CLAY and CLAY
Section 1, 0-14 cm: Core disturbance. Ice rafted pebble at 7 cm, 3 cm in size.
Section 1, 14 cm to Section 2, 150 cm: Massive mottled silty clay with ice rafted debris at Section 2, 23 cm, and present in a zone between Section 2, 65-97 cm. No burrows evident, but probably bioturbated. Shows weak color lamination of alternating light and darker olive colors. Dominant color olive gray (5Y 5/2).
Section 3, 0 cm to Section 4, 150 cm: Uniform olive gray (5Y 5/2) massive, mottled silty clay with scattered ice rafted debris at Section 3, 31, 60, 134 cm (largest is 1 cm) and Section 4, 40 and 135 cm.
Section 5, 0-150 cm: Clay to silty clay. Dominant color is greenish gray (5GY 6/1).
0-40 cm: Color alternations, moderate bioturbation.
10 cm: Granitic ice rafted debris 5 cm in size.
40-150 cm: Massive randomly scattered with sand-sized particles, color banded from 125-130 cm.
75 cm: Ice rafted debris, 2 cm in size.
Section 6, 0-150 cm: Clay to silty clay, massive and bioturbated. Color is greenish gray (5GY 5/1) throughout.

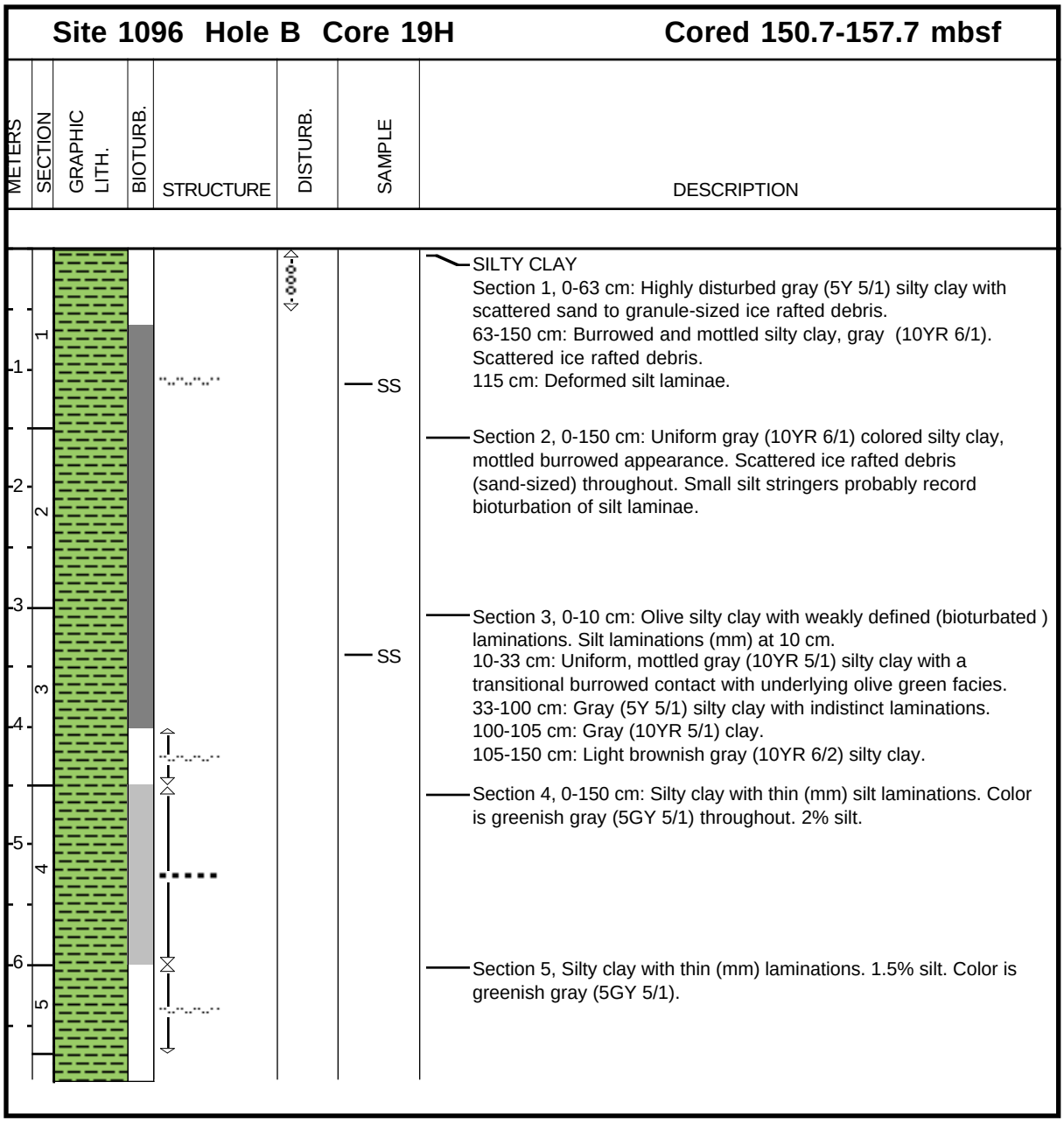
## Core Image


Site 1096 Hole B Core 17H
Cored 144.1-150.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SILTY CLAY
Section 1, 0-40 cm: Extensive coring disturbance.
Section 1, 40 cm to Section 4, 150 cm and Core Catcher: Massive, homogenous silty clay with scattered sand size, ice rafted debris. Bioturbated, but no distinct burrows. Olive gray (5Y 5/2) throughout. Some smear stringers, probably the result of coring disturbance.
SS
SS
1
2
3
4
-1
-2
-3
-4
-5

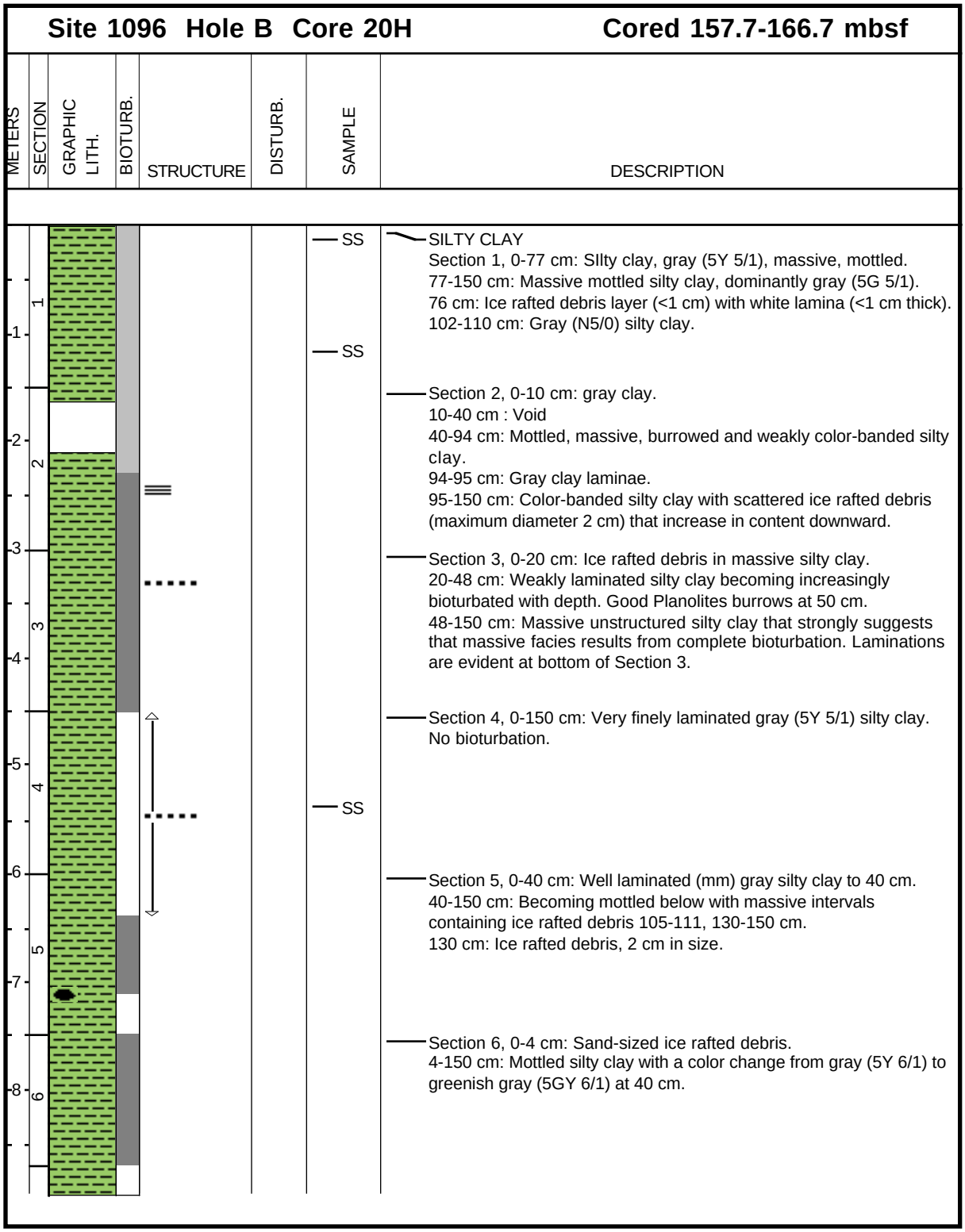
## Core Image


Site 1096 Hole B Core 18H
Cored 150.1-150.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
1
SILTY CLAY.
Section 1, 0-25 cm: Silty clay with sand-sized ice rafted debris, completely structureless due to drilling disturbance. Color is gray (5G 6/1).
Core catcher, 0-34 cm: Silty clay with smear/stringers probably the result of coring disturbance. Color is gray (5G 5/1).

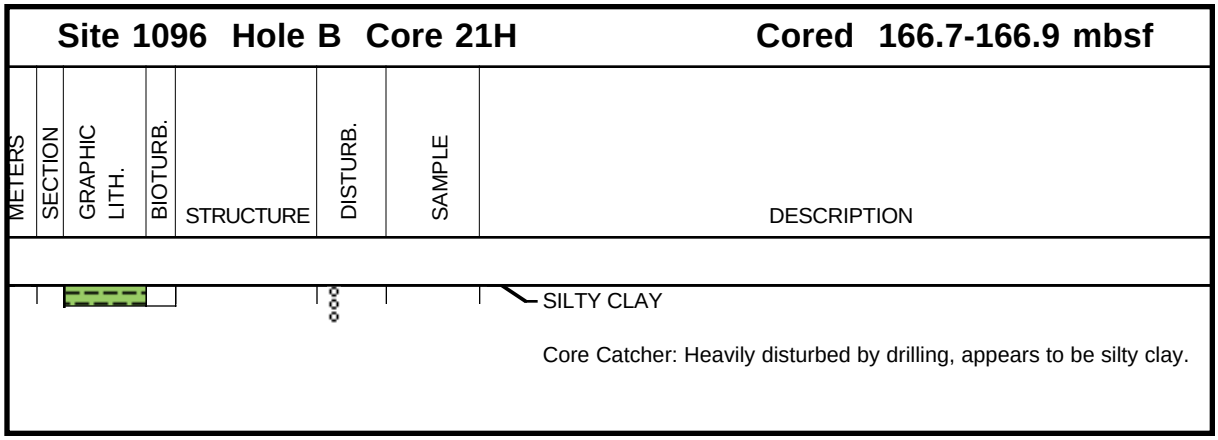
## Core Image


Site 1096 Hole B Core 19H
Cored 150.7-157.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SILTY CLAY
Section 1, 0-63 cm: Highly disturbed gray (5Y 5/1) silty clay with scattered sand to granule-sized ice rafted debris.
63-150 cm: Burrowed and mottled silty clay, gray (10YR 6/1). Scattered ice rafted debris.
115 cm: Deformed silt laminae.
Section 2, 0-150 cm: Uniform gray (10YR 6/1) colored silty clay, mottled burrowed appearance. Scattered ice rafted debris (sand-sized) throughout. Small silt stringers probably record bioturbation of silt laminae.
Section 3, 0-10 cm: Olive silty clay with weakly defined (bioturbated ) laminations. Silt laminations (mm) at 10 cm.
10-33 cm: Uniform, mottled gray (10YR 5/1) silty clay with a transitional burrowed contact with underlying olive green facies.
33-100 cm: Gray (5Y 5/1) silty clay with indistinct laminations.
100-105 cm: Gray (10YR 5/1) clay.
105-150 cm: Light brownish gray (10YR 6/2) silty clay.
Section 4, 0-150 cm: Silty clay with thin (mm) silt laminations. Color is greenish gray (5GY 5/1) throughout. 2% silt.
Section 5, Silty clay with thin (mm) laminations. 1.5% silt. Color is greenish gray (5GY 5/1).

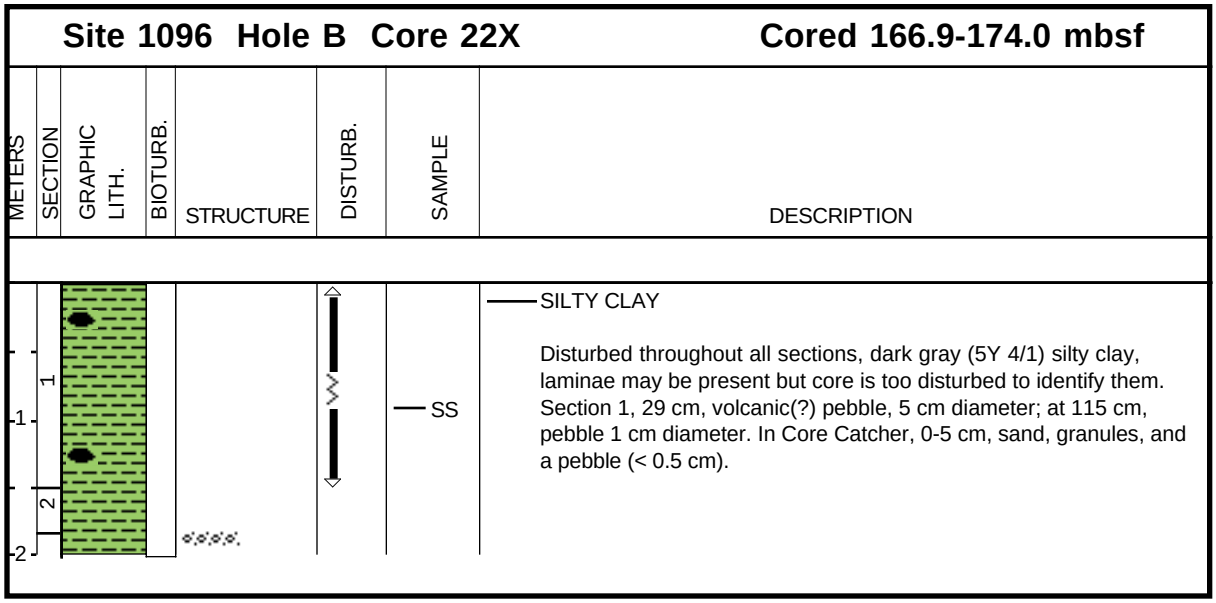
## Core Image


Site 1096 Hole B Core 20H
Cored 157.7-166.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SILTY CLAY
Section 1, 0-77 cm: SIlty clay, gray (5Y 5/1), massive, mottled.
77-150 cm: Massive mottled silty clay, dominantly gray (5G 5/1).
76 cm: Ice rafted debris layer (<1 cm) with white lamina (<1 cm thick).
102-110 cm: Gray (N5/0) silty clay.
Section 2, 0-10 cm: gray clay.
10-40 cm : Void
40-94 cm: Mottled, massive, burrowed and weakly color-banded silty clay.
94-95 cm: Gray clay laminae.
95-150 cm: Color-banded silty clay with scattered ice rafted debris (maximum diameter 2 cm) that increase in content downward.
Section 3, 0-20 cm: Ice rafted debris in massive silty clay.
20-48 cm: Weakly laminated silty clay becoming increasingly bioturbated with depth. Good Planolites burrows at 50 cm.
48-150 cm: Massive unstructured silty clay that strongly suggests that massive facies results from complete bioturbation. Laminations are evident at bottom of Section 3.
Section 4, 0-150 cm: Very finely laminated gray (5Y 5/1) silty clay.
No bioturbation.
Section 5, 0-40 cm: Well laminated (mm) gray silty clay to 40 cm.
40-150 cm: Becoming mottled below with massive intervals containing ice rafted debris 105-111, 130-150 cm.
130 cm: Ice rafted debris, 2 cm in size.
Section 6, 0-4 cm: Sand-sized ice rafted debris.
4-150 cm: Mottled silty clay with a color change from gray (5Y 6/1) to greenish gray (5GY 6/1) at 40 cm.

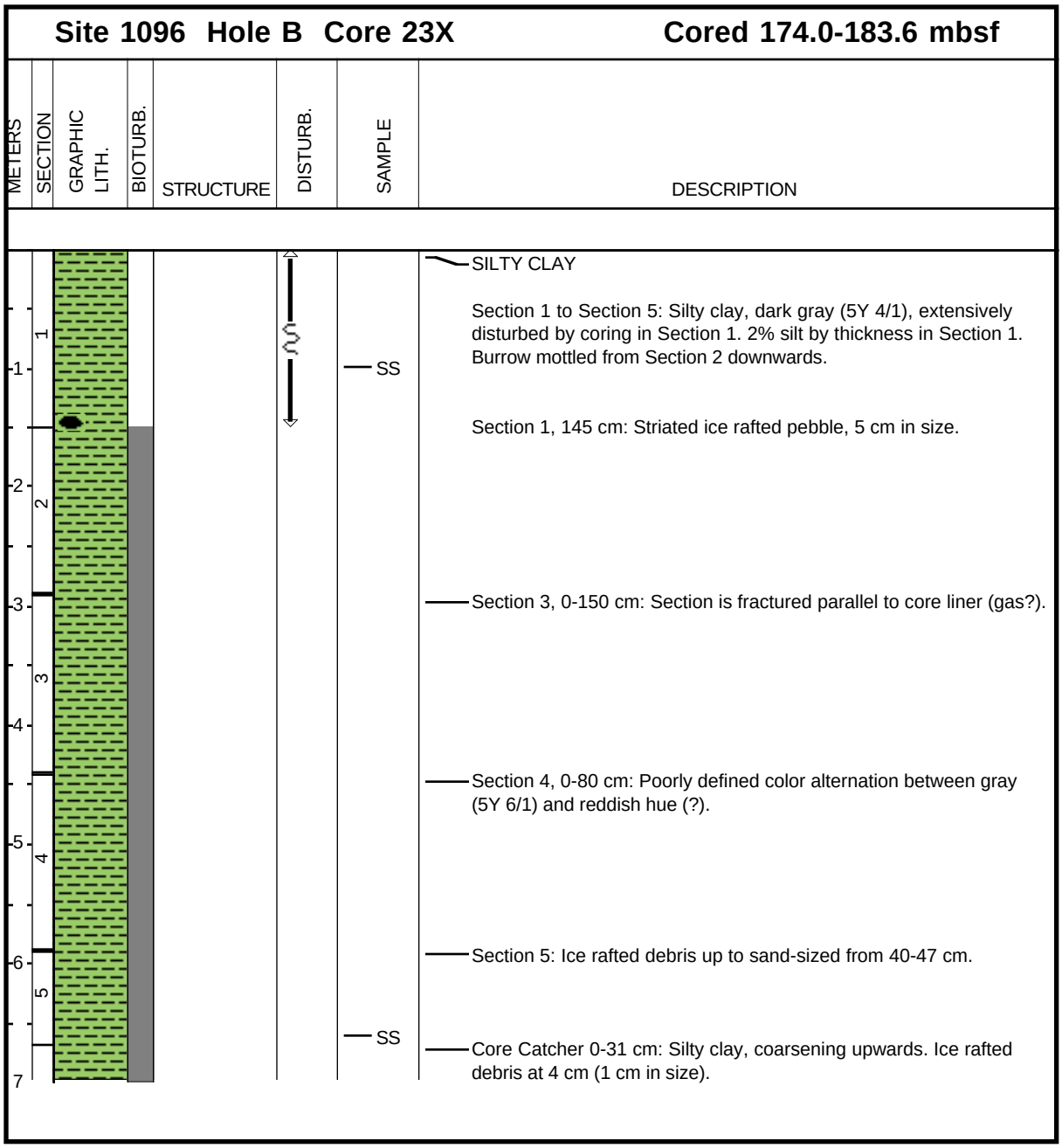
## Core Image


Site 1096 Hole B Core 21H
Cored 166.7-166.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SILTY CLAY
Core Catcher: Heavily disturbed by drilling, appears to be silty clay.

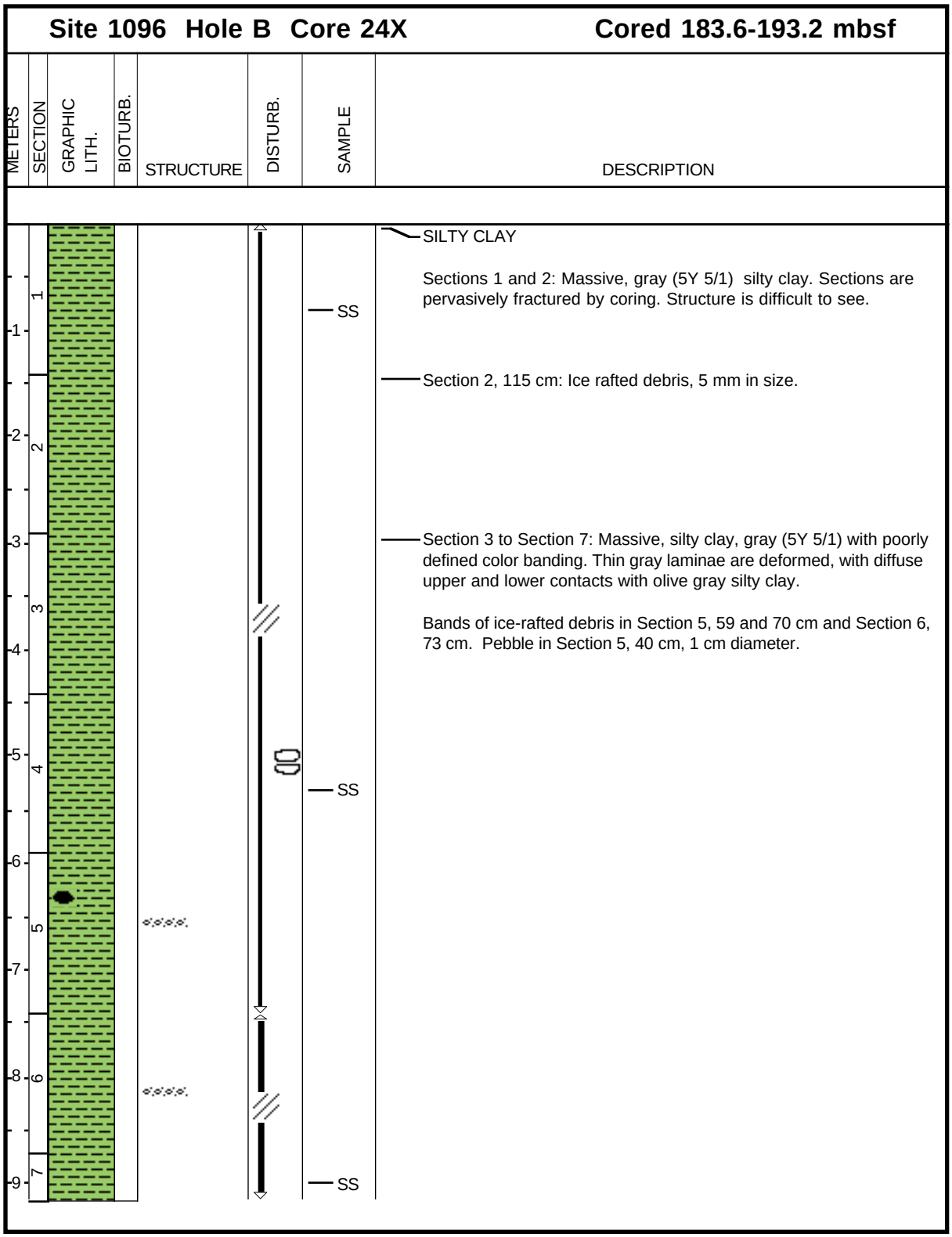
## Core Image


Site 1096 Hole B Core 22X
Cored 166.9-174.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
1
2
-1
-2
SS
SILTY CLAY
Disturbed throughout all sections, dark gray (5Y 4/1) silty clay, laminae may be present but core is too disturbed to identify them. Section 1, 29 cm, volcanic(?) pebble, 5 cm diameter; at 115 cm, pebble 1 cm diameter. In Core Catcher, 0-5 cm, sand, granules, and a pebble (< 0.5 cm).

## Core Image

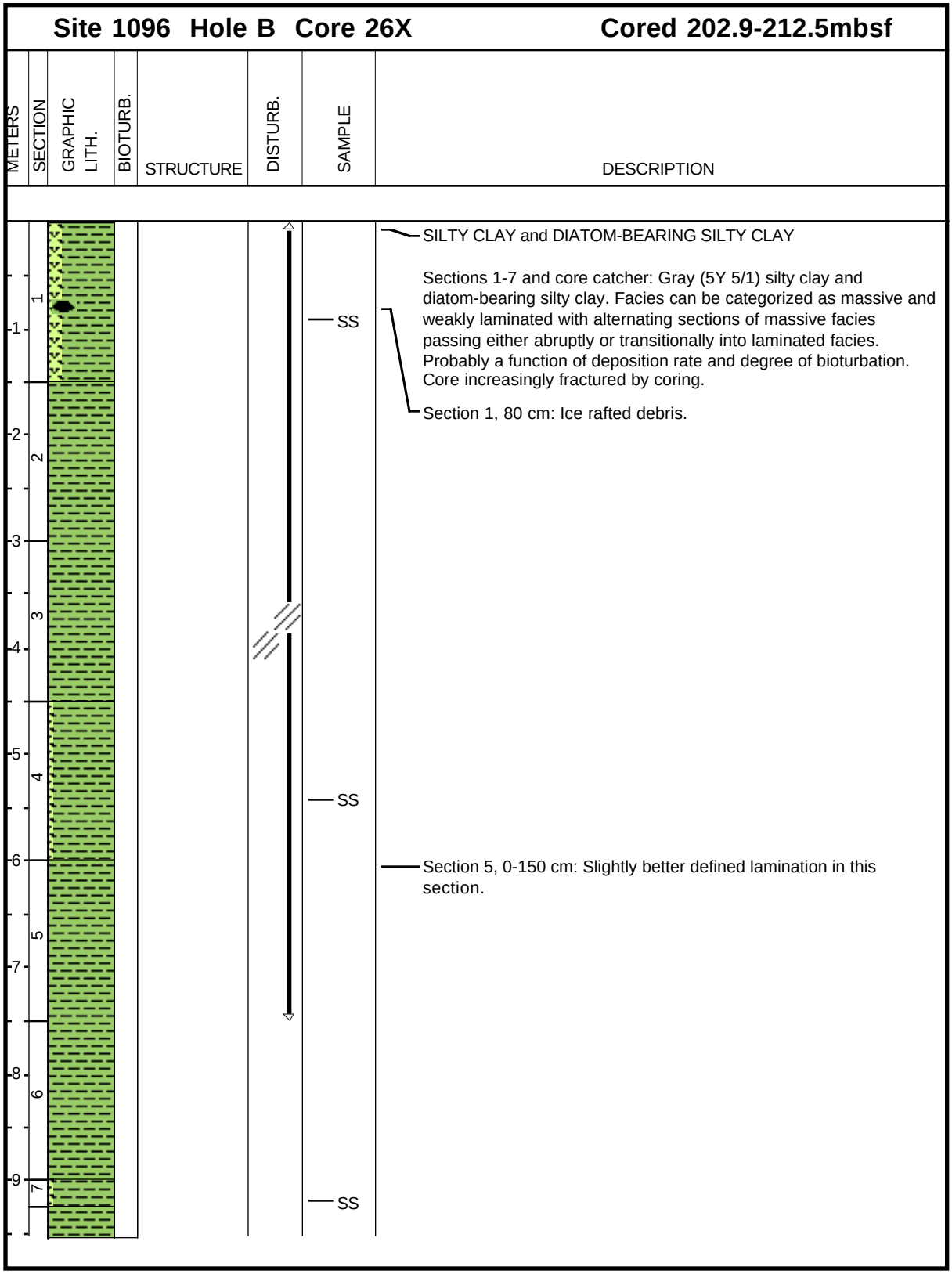

Site 1096 Hole B Core 23X
Cored 174.0-183.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SILTY CLAY
Section 1 to Section 5: Silty clay, dark gray (5Y 4/1), extensively disturbed by coring in Section 1. 2% silt by thickness in Section 1. Burrow mottled from Section 2 downwards.
Section 1, 145 cm: Striated ice rafted pebble, 5 cm in size.
SS
Section 3, 0-150 cm: Section is fractured parallel to core liner (gas?).
Section 4, 0-80 cm: Poorly defined color alternation between gray (5Y 6/1) and reddish hue (?).
Section 5: Ice rafted debris up to sand-sized from 40-47 cm.
SS
Core Catcher 0-31 cm: Silty clay, coarsening upwards. Ice rafted debris at 4 cm (1 cm in size).

## Core Image

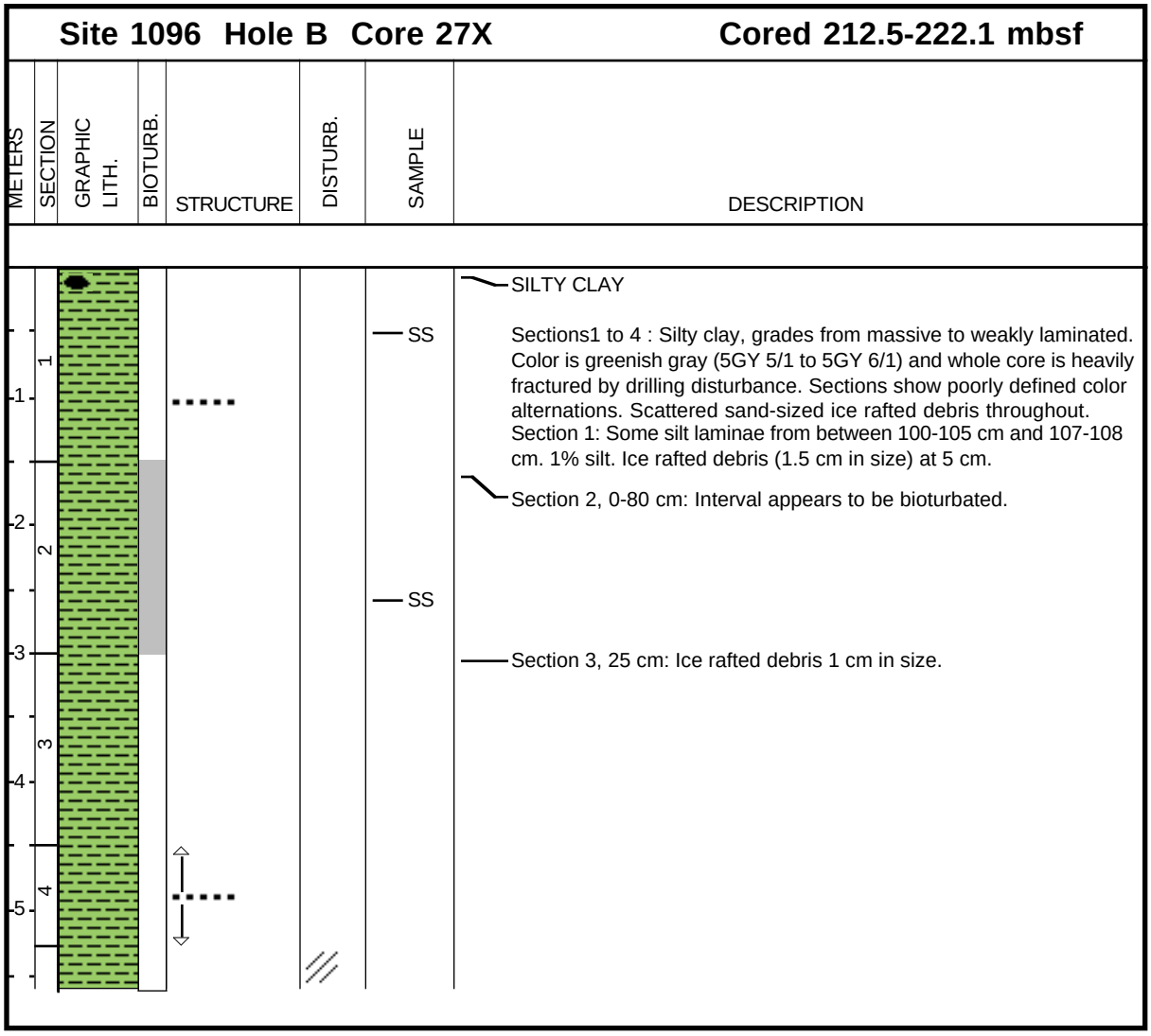



1096B-25X NO RECOVERY

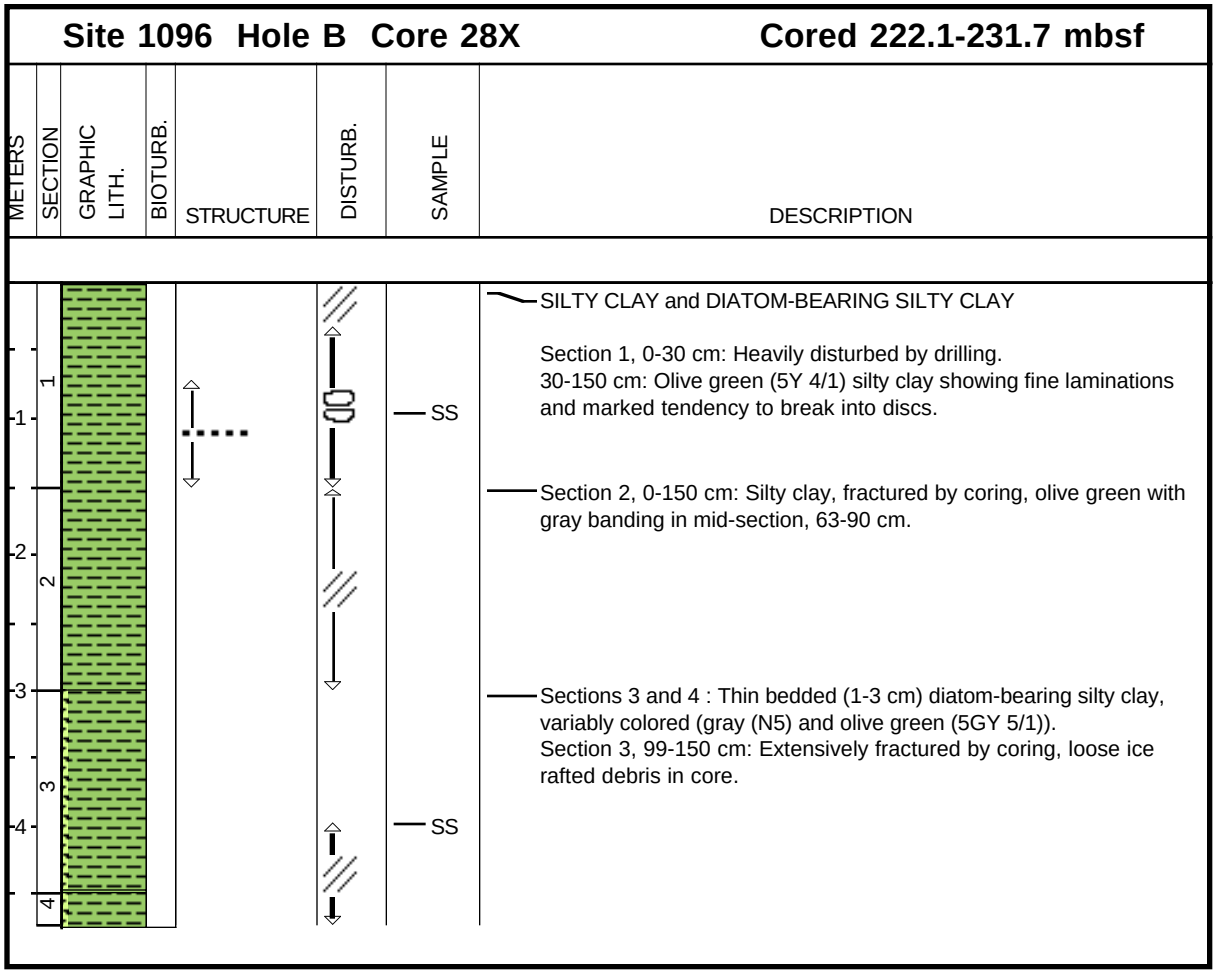
## Core Image


Site 1096 Hole B Core 26X Cored 202.9-212.5mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SILTY CLAY and DIATOM-BEARING SILTY CLAY
Sections 1-7 and core catcher: Gray (5Y 5/1) silty clay and diatom-bearing silty clay. Facies can be categorized as massive and weakly laminated with alternating sections of massive facies passing either abruptly or transitionally into laminated facies. Probably a function of deposition rate and degree of bioturbation. Core increasingly fractured by coring.
Section 1, 80 cm: Ice rafted debris.
SS
SS
SS
Section 5, 0-150 cm: Slightly better defined lamination in this section.
1
2
3
4
5
6
7
-1
-2
-3
-4
-5
-6
-7
-8
-9

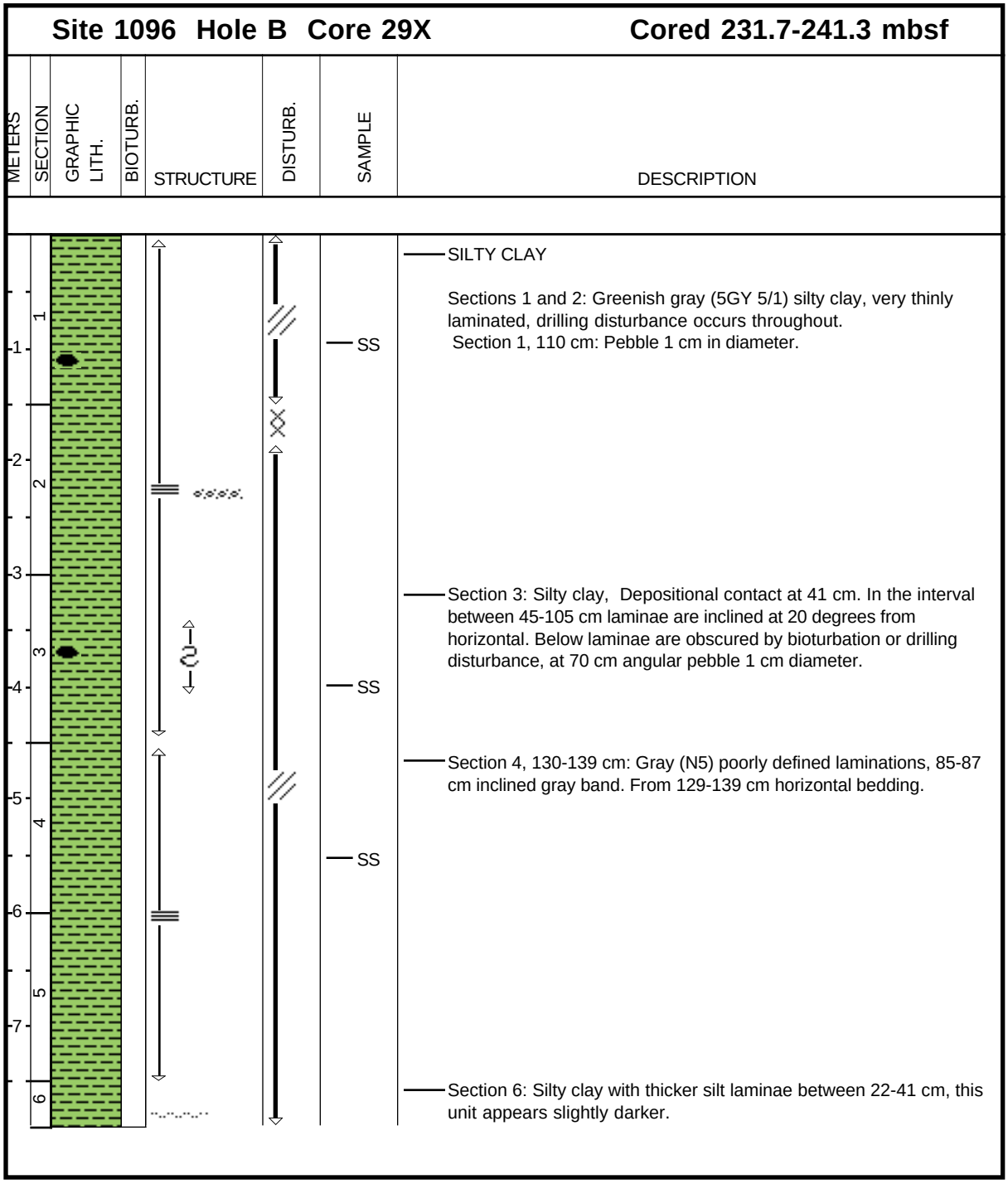
## Core Image


Site 1096 Hole B Core 27X
Cored 212.5-222.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SILTY CLAY
SS
Sections1 to 4 : Silty clay, grades from massive to weakly laminated. Color is greenish gray (5GY 5/1 to 5GY 6/1) and whole core is heavily fractured by drilling disturbance. Sections show poorly defined color alternations. Scattered sand-sized ice rafted debris throughout.
Section 1: Some silt laminae from between 100-105 cm and 107-108 cm. 1% silt. Ice rafted debris (1.5 cm in size) at 5 cm.
Section 2, 0-80 cm: Interval appears to be bioturbated.
SS
Section 3, 25 cm: Ice rafted debris 1 cm in size.
1
2
3
4
-1
-2
-3
-4
-5

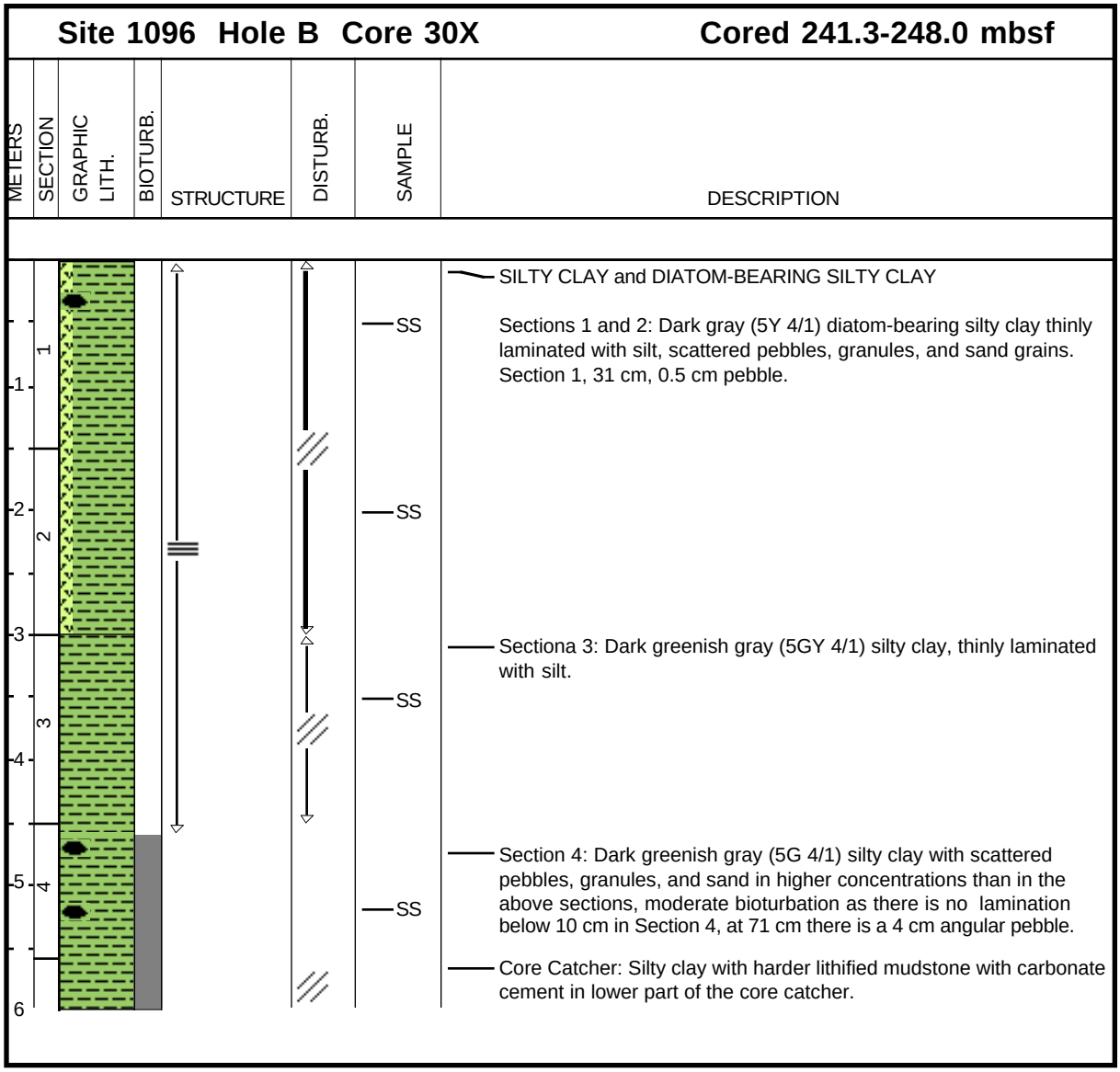
## Core Image


Site 1096 Hole B Core 28X
Cored 222.1-231.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SILTY CLAY and DIATOM-BEARING SILTY CLAY
Section 1, 0-30 cm: Heavily disturbed by drilling.
30-150 cm: Olive green (5Y 4/1) silty clay showing fine laminations and marked tendency to break into discs.
Section 2, 0-150 cm: Silty clay, fractured by coring, olive green with gray banding in mid-section, 63-90 cm.
Sections 3 and 4 : Thin bedded (1-3 cm) diatom-bearing silty clay, variably colored (gray (N5) and olive green (5GY 5/1)).
Section 3, 99-150 cm: Extensively fractured by coring, loose ice rafted debris in core.
SS
SS
1
2
3
4
-1
-2
-3
-4

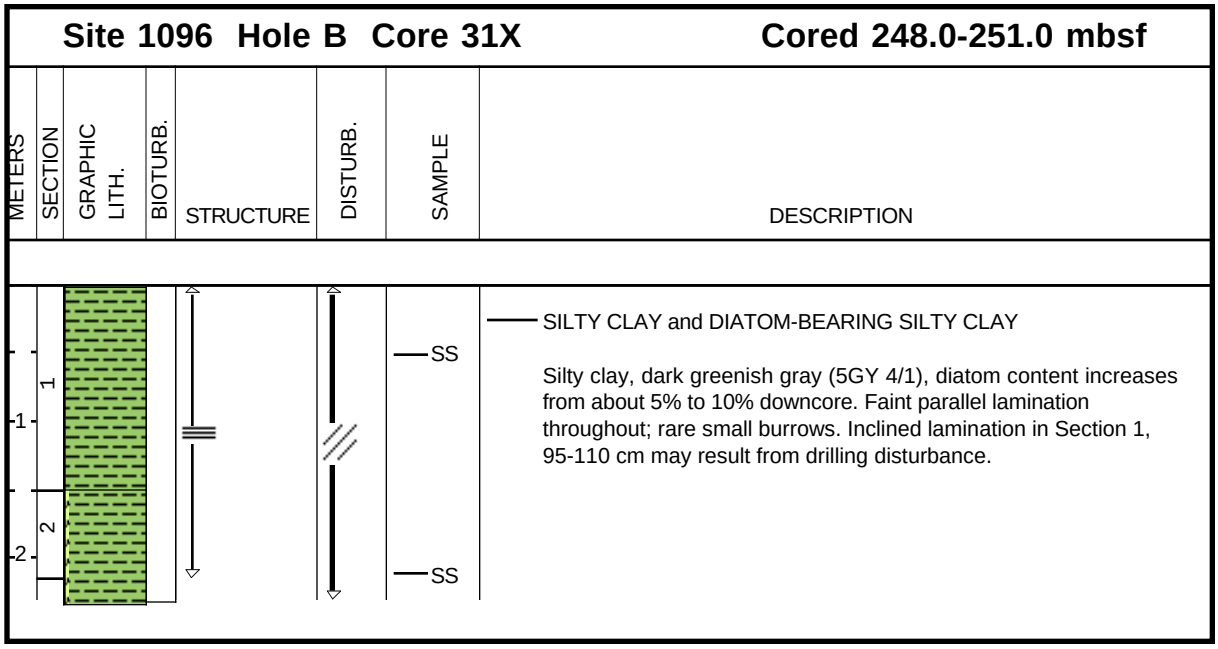
## Core Image


Site 1096 Hole B Core 29X
Cored 231.7-241.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SILTY CLAY
Sections 1 and 2: Greenish gray (5GY 5/1) silty clay, very thinly laminated, drilling disturbance occurs throughout.
Section 1, 110 cm: Pebble 1 cm in diameter.
SS
Section 3: Silty clay, Depositional contact at 41 cm. In the interval between 45-105 cm laminae are inclined at 20 degrees from horizontal. Below laminae are obscured by bioturbation or drilling disturbance, at 70 cm angular pebble 1 cm diameter.
SS
Section 4, 130-139 cm: Gray (N5) poorly defined laminations, 85-87 cm inclined gray band. From 129-139 cm horizontal bedding.
SS
Section 6: Silty clay with thicker silt laminae between 22-41 cm, this unit appears slightly darker.

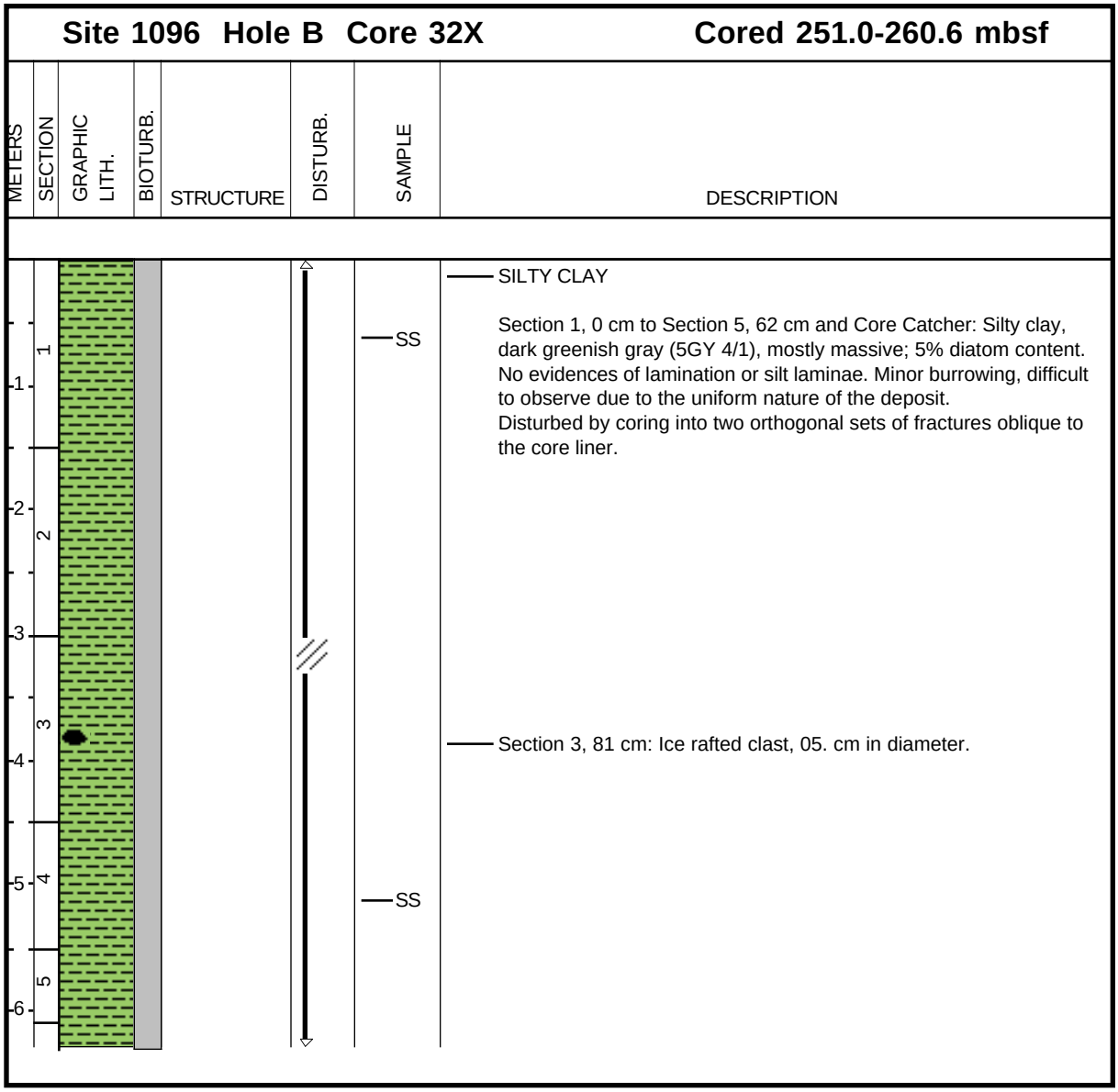
## Core Image


Site 1096 Hole B Core 30X
Cored 241.3-248.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SILTY CLAY and DIATOM-BEARING SILTY CLAY
Sections 1 and 2: Dark gray (5Y 4/1) diatom-bearing silty clay thinly laminated with silt, scattered pebbles, granules, and sand grains. Section 1, 31 cm, 0.5 cm pebble.
SS
SS
Sectiona 3: Dark greenish gray (5GY 4/1) silty clay, thinly laminated with silt.
SS
Section 4: Dark greenish gray (5G 4/1) silty clay with scattered pebbles, granules, and sand in higher concentrations than in the above sections, moderate bioturbation as there is no lamination below 10 cm in Section 4, at 71 cm there is a 4 cm angular pebble.
SS
Core Catcher: Silty clay with harder lithified mudstone with carbonate cement in lower part of the core catcher.
1
2
3
4
5
6

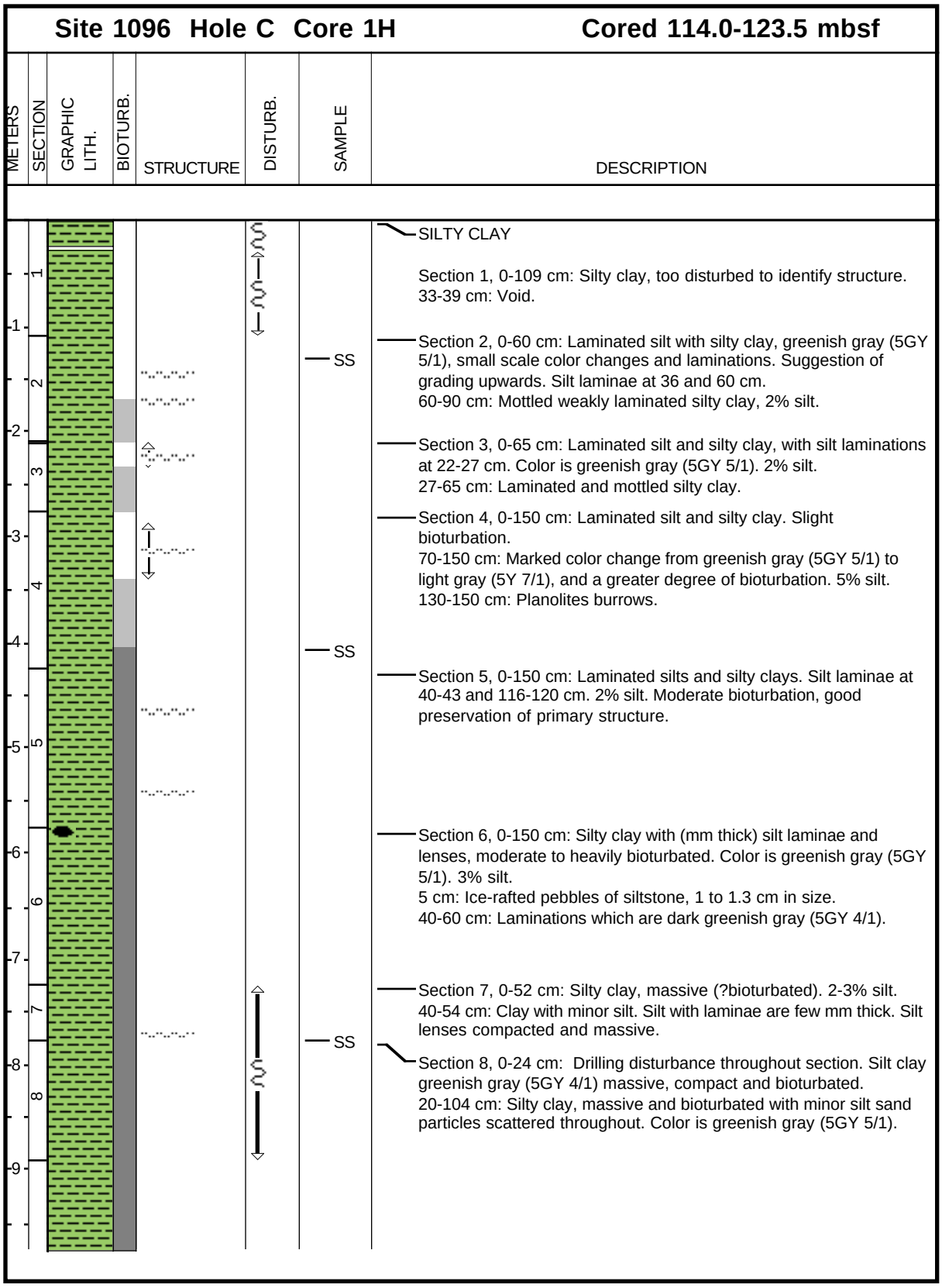
## Core Image


Site 1096 Hole B Core 31X
Cored 248.0-251.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
1
2
-1
-2
SS
SS
SILTY CLAY and DIATOM-BEARING SILTY CLAY
Silty clay, dark greenish gray (5GY 4/1), diatom content increases from about 5% to 10% downcore. Faint parallel lamination throughout; rare small burrows. Inclined lamination in Section 1, 95-110 cm may result from drilling disturbance.

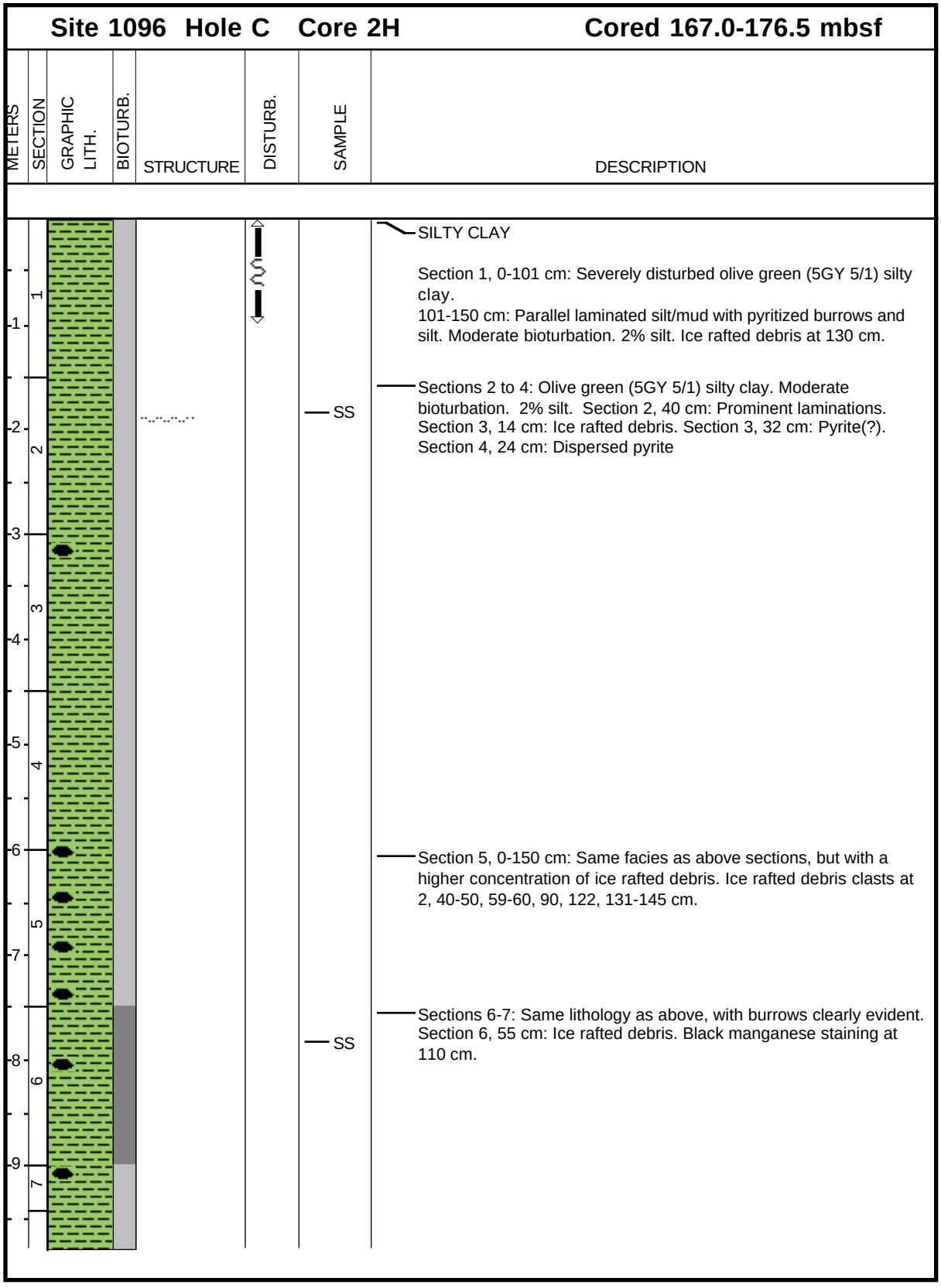
## Core Image


Site 1096 Hole B Core 32X
Cored 251.0-260.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SILTY CLAY
Section 1, 0 cm to Section 5, 62 cm and Core Catcher: Silty clay, dark greenish gray (5GY 4/1), mostly massive; 5% diatom content. No evidences of lamination or silt laminae. Minor burrowing, difficult to observe due to the uniform nature of the deposit.
Disturbed by coring into two orthogonal sets of fractures oblique to the core liner.
SS
Section 3, 81 cm: Ice rafted clast, 05. cm in diameter.
SS

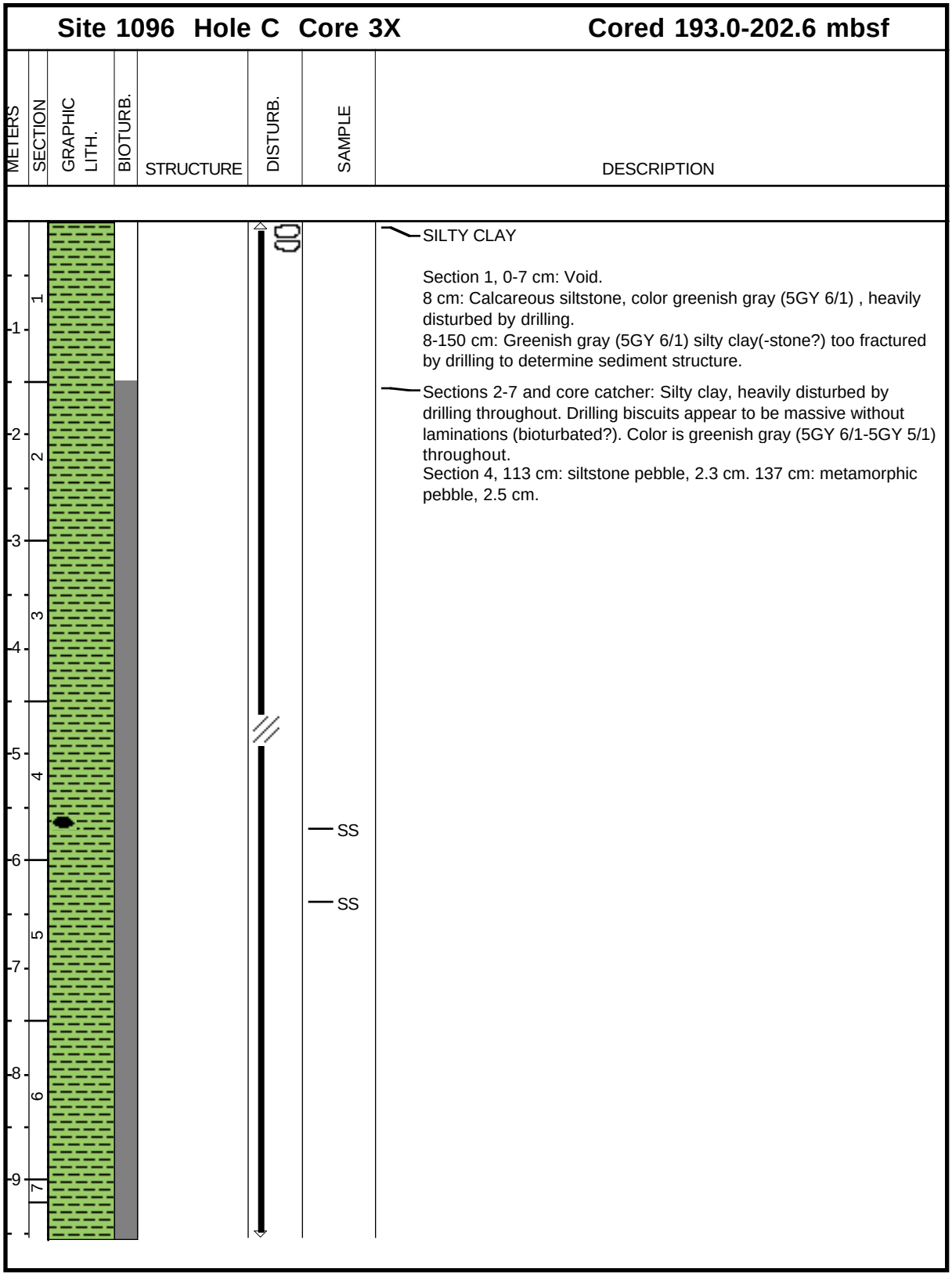
## Core Image


Site 1096 Hole C Core 1H
Cored 114.0-123.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SILTY CLAY
Section 1, 0-109 cm: Silty clay, too disturbed to identify structure.
33-39 cm: Void.
Section 2, 0-60 cm: Laminated silt with silty clay, greenish gray (5GY 5/1), small scale color changes and laminations. Suggestion of grading upwards. Silt laminae at 36 and 60 cm.
60-90 cm: Mottled weakly laminated silty clay, 2% silt.
Section 3, 0-65 cm: Laminated silt and silty clay, with silt laminations at 22-27 cm. Color is greenish gray (5GY 5/1). 2% silt.
27-65 cm: Laminated and mottled silty clay.
Section 4, 0-150 cm: Laminated silt and silty clay. Slight bioturbation.
70-150 cm: Marked color change from greenish gray (5GY 5/1) to light gray (5Y 7/1), and a greater degree of bioturbation. 5% silt.
130-150 cm: Planolites burrows.
Section 5, 0-150 cm: Laminated silts and silty clays. Silt laminae at 40-43 and 116-120 cm. 2% silt. Moderate bioturbation, good preservation of primary structure.
Section 6, 0-150 cm: Silty clay with (mm thick) silt laminae and lenses, moderate to heavily bioturbated. Color is greenish gray (5GY 5/1). 3% silt.
5 cm: Ice-rafted pebbles of siltstone, 1 to 1.3 cm in size.
40-60 cm: Laminations which are dark greenish gray (5GY 4/1).
Section 7, 0-52 cm: Silty clay, massive (?bioturbated). 2-3% silt.
40-54 cm: Clay with minor silt. Silt with laminae are few mm thick. Silt lenses compacted and massive.
Section 8, 0-24 cm: Drilling disturbance throughout section. Silt clay greenish gray (5GY 4/1) massive, compact and bioturbated.
20-104 cm: Silty clay, massive and bioturbated with minor silt sand particles scattered throughout. Color is greenish gray (5GY 5/1).

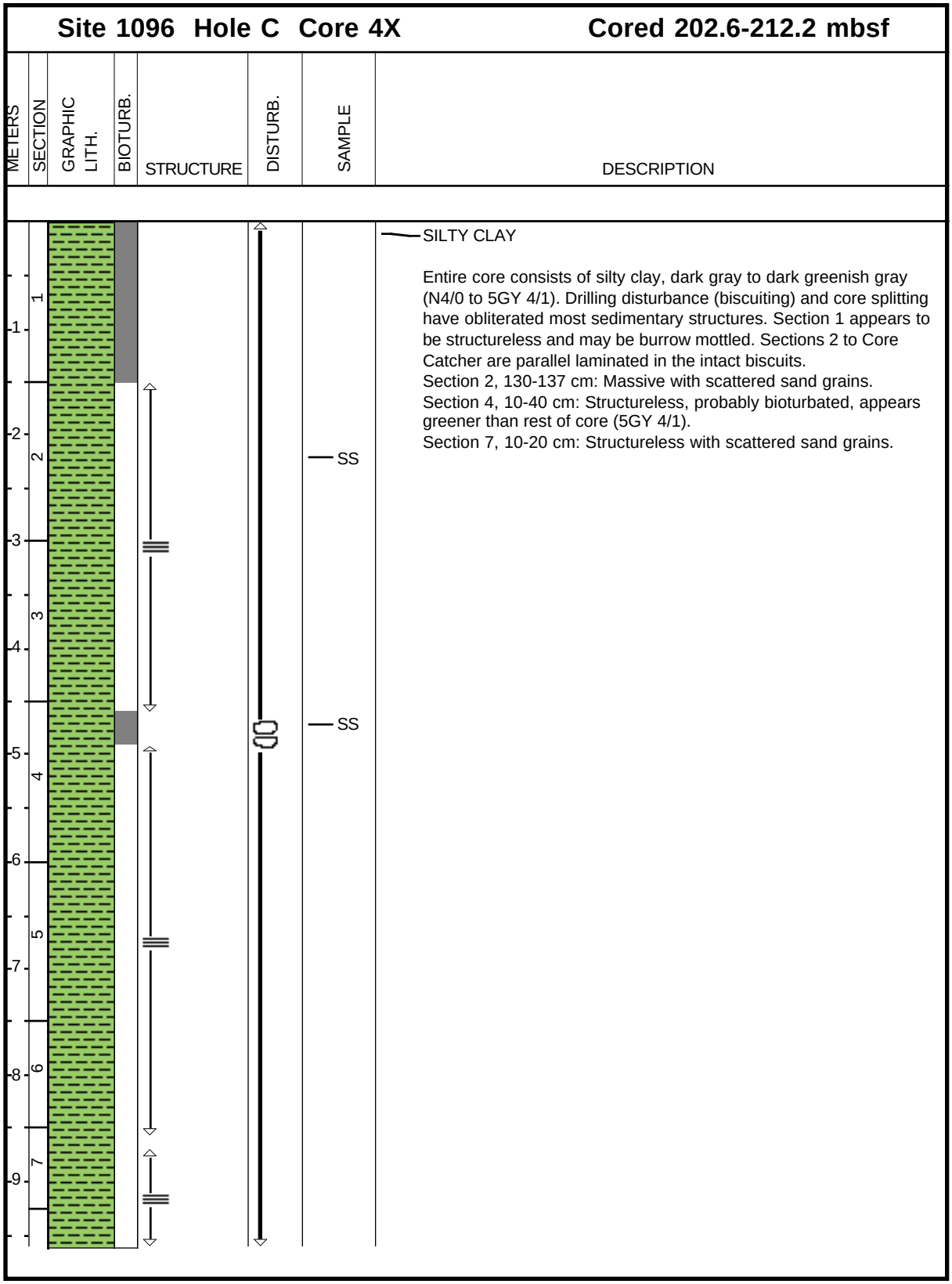
## Core Image


Site 1096 Hole C Core 2H Cored 167.0-176.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SILTY CLAY
Section 1, 0-101 cm: Severely disturbed olive green (5GY 5/1) silty clay.
101-150 cm: Parallel laminated silt/mud with pyritized burrows and silt. Moderate bioturbation. 2% silt. Ice rafted debris at 130 cm.
Sections 2 to 4: Olive green (5GY 5/1) silty clay. Moderate bioturbation. 2% silt. Section 2, 40 cm: Prominent laminations. Section 3, 14 cm: Ice rafted debris. Section 3, 32 cm: Pyrite(?). Section 4, 24 cm: Dispersed pyrite
SS
Section 5, 0-150 cm: Same facies as above sections, but with a higher concentration of ice rafted debris. Ice rafted debris clasts at 2, 40-50, 59-60, 90, 122, 131-145 cm.
Sections 6-7: Same lithology as above, with burrows clearly evident. Section 6, 55 cm: Ice rafted debris. Black manganese staining at 110 cm.
SS

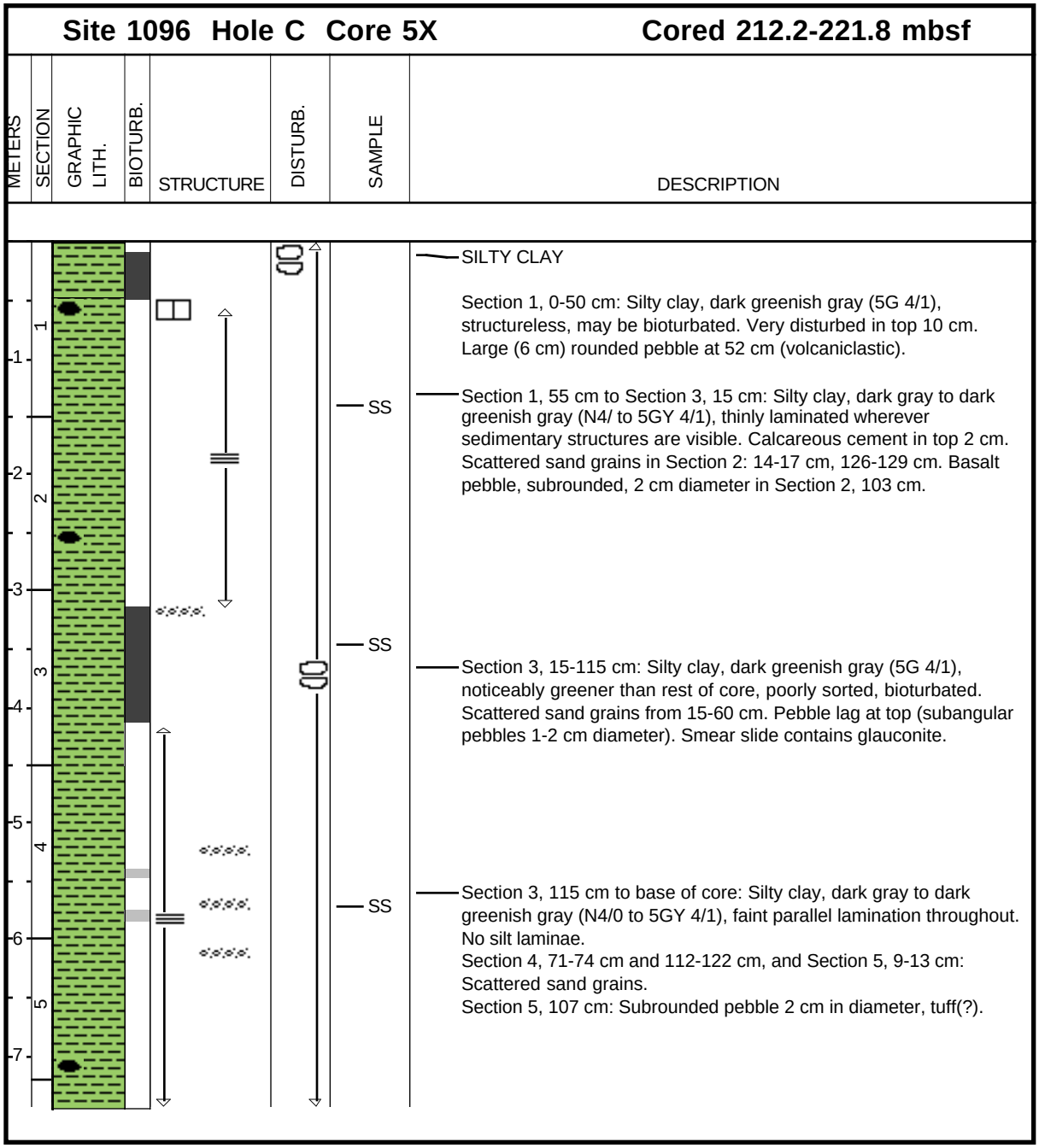
## Core Image


Site 1096 Hole C Core 3X Cored 193.0-202.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SILTY CLAY
Section 1, 0-7 cm: Void.
8 cm: Calcareous siltstone, color greenish gray (5GY 6/1) , heavily disturbed by drilling.
8-150 cm: Greenish gray (5GY 6/1) silty clay(-stone?) too fractured by drilling to determine sediment structure.
Sections 2-7 and core catcher: Silty clay, heavily disturbed by drilling throughout. Drilling biscuits appear to be massive without laminations (bioturbated?). Color is greenish gray (5GY 6/1-5GY 5/1) throughout.
Section 4, 113 cm: siltstone pebble, 2.3 cm. 137 cm: metamorphic pebble, 2.5 cm.
SS
SS

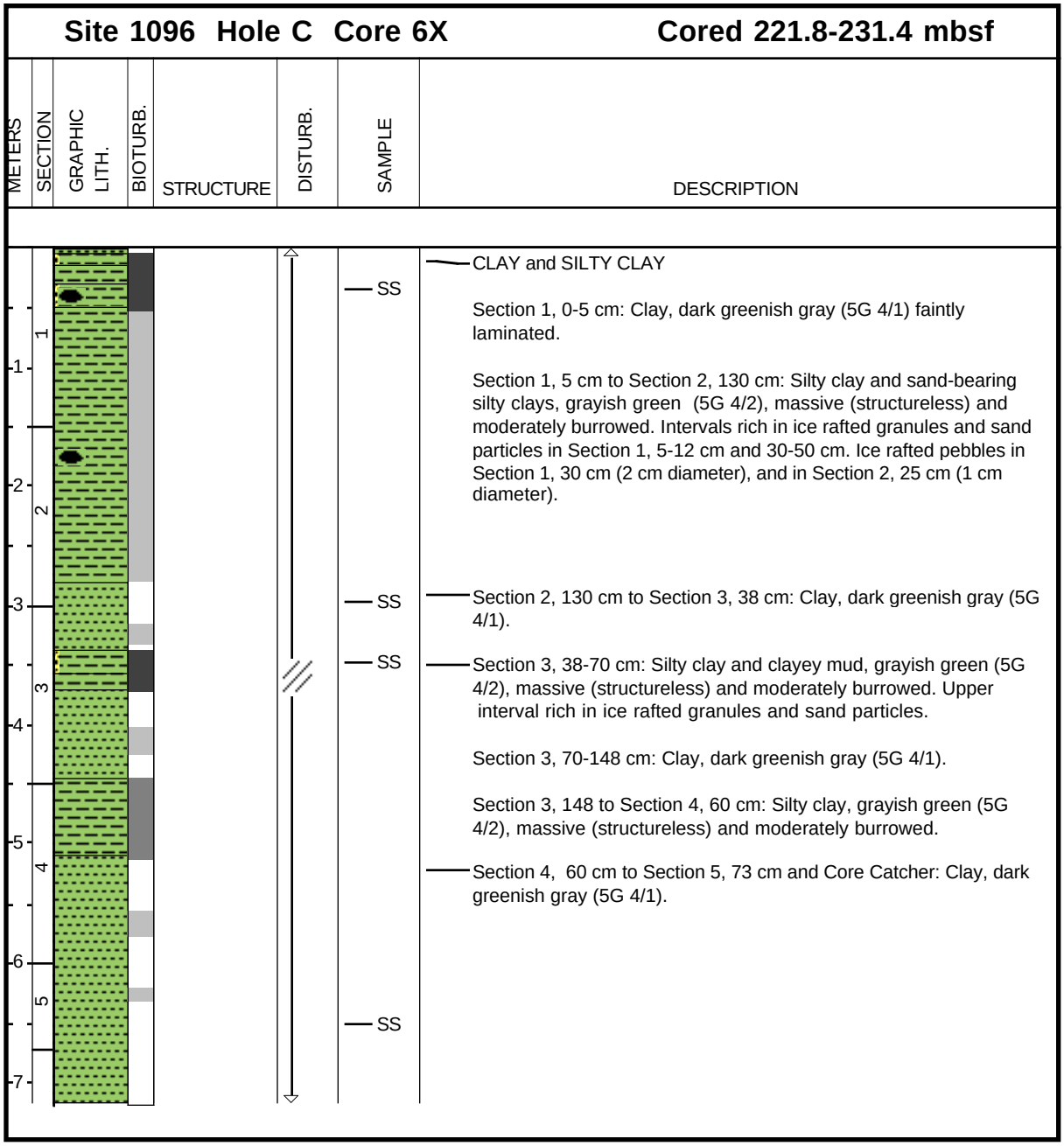
## Core Image


Site 1096 Hole C Core 4X Cored 202.6-212.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SILTY CLAY
Entire core consists of silty clay, dark gray to dark greenish gray (N4/0 to 5GY 4/1). Drilling disturbance (biscuiting) and core splitting have obliterated most sedimentary structures. Section 1 appears to be structureless and may be burrow mottled. Sections 2 to Core Catcher are parallel laminated in the intact biscuits.
Section 2, 130-137 cm: Massive with scattered sand grains.
Section 4, 10-40 cm: Structureless, probably bioturbated, appears greener than rest of core (5GY 4/1).
Section 7, 10-20 cm: Structureless with scattered sand grains.
SS
SS

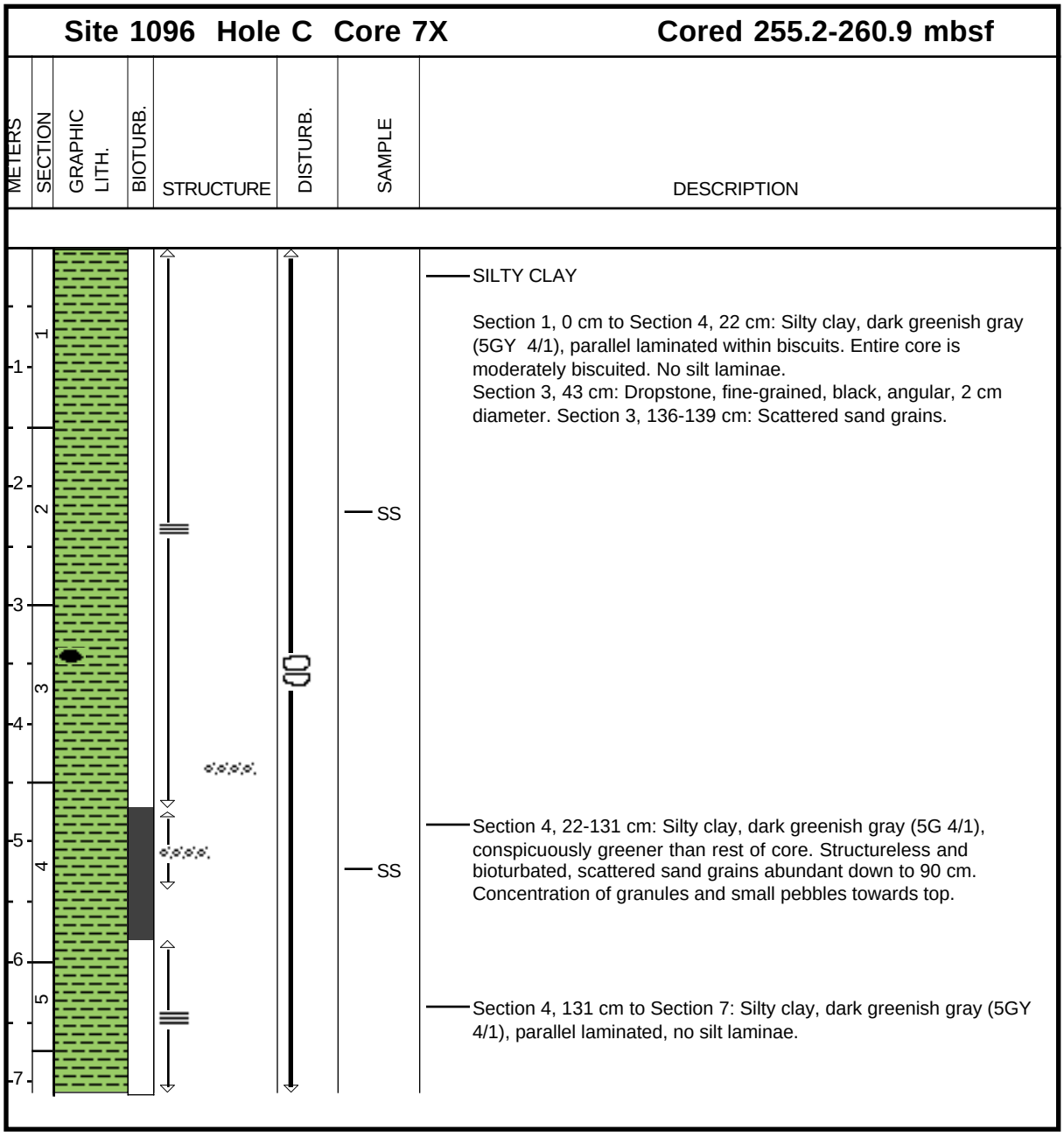
## Core Image


Site 1096 Hole C Core 5X
Cored 212.2-221.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SILTY CLAY
Section 1, 0-50 cm: Silty clay, dark greenish gray (5G 4/1), structureless, may be bioturbated. Very disturbed in top 10 cm. Large (6 cm) rounded pebble at 52 cm (volcaniclastic).
SS
Section 1, 55 cm to Section 3, 15 cm: Silty clay, dark gray to dark greenish gray (N4/ to 5GY 4/1), thinly laminated wherever sedimentary structures are visible. Calcareous cement in top 2 cm. Scattered sand grains in Section 2: 14-17 cm, 126-129 cm. Basalt pebble, subrounded, 2 cm diameter in Section 2, 103 cm.
SS
Section 3, 15-115 cm: Silty clay, dark greenish gray (5G 4/1), noticeably greener than rest of core, poorly sorted, bioturbated. Scattered sand grains from 15-60 cm. Pebble lag at top (subangular pebbles 1-2 cm diameter). Smear slide contains glauconite.
SS
Section 3, 115 cm to base of core: Silty clay, dark gray to dark greenish gray (N4/0 to 5GY 4/1), faint parallel lamination throughout. No silt laminae.
Section 4, 71-74 cm and 112-122 cm, and Section 5, 9-13 cm: Scattered sand grains.
Section 5, 107 cm: Subrounded pebble 2 cm in diameter, tuff(?).

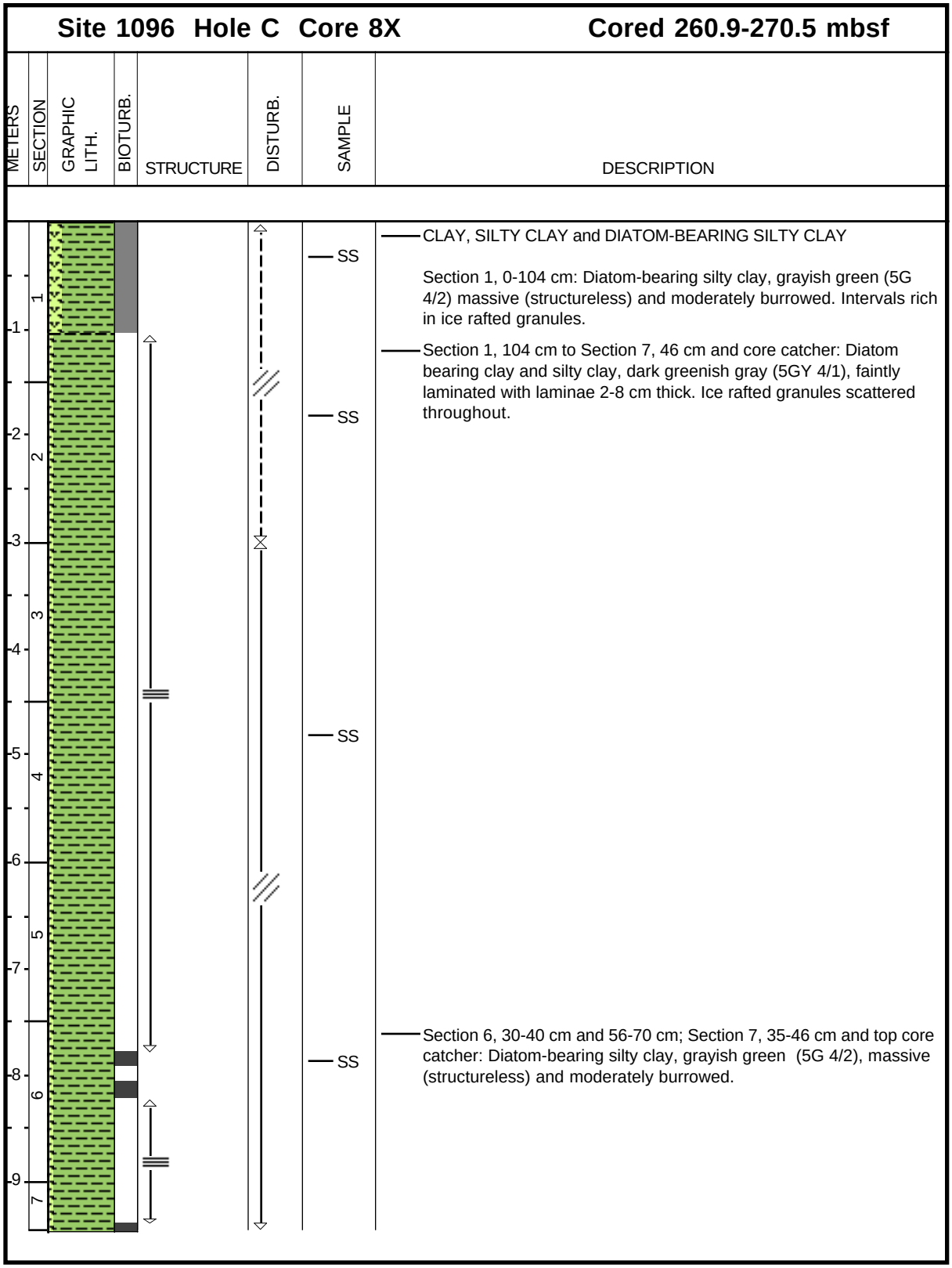
## Core Image


Site 1096 Hole C Core 6X Cored 221.8-231.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
CLAY and SILTY CLAY
SS
Section 1, 0-5 cm: Clay, dark greenish gray (5G 4/1) faintly laminated.
Section 1, 5 cm to Section 2, 130 cm: Silty clay and sand-bearing silty clays, grayish green (5G 4/2), massive (structureless) and moderately burrowed. Intervals rich in ice rafted granules and sand particles in Section 1, 5-12 cm and 30-50 cm. Ice rafted pebbles in Section 1, 30 cm (2 cm diameter), and in Section 2, 25 cm (1 cm diameter).
SS
Section 2, 130 cm to Section 3, 38 cm: Clay, dark greenish gray (5G 4/1).
SS
Section 3, 38-70 cm: Silty clay and clayey mud, grayish green (5G 4/2), massive (structureless) and moderately burrowed. Upper interval rich in ice rafted granules and sand particles.
Section 3, 70-148 cm: Clay, dark greenish gray (5G 4/1).
Section 3, 148 to Section 4, 60 cm: Silty clay, grayish green (5G 4/2), massive (structureless) and moderately burrowed.
Section 4, 60 cm to Section 5, 73 cm and Core Catcher: Clay, dark greenish gray (5G 4/1).
SS

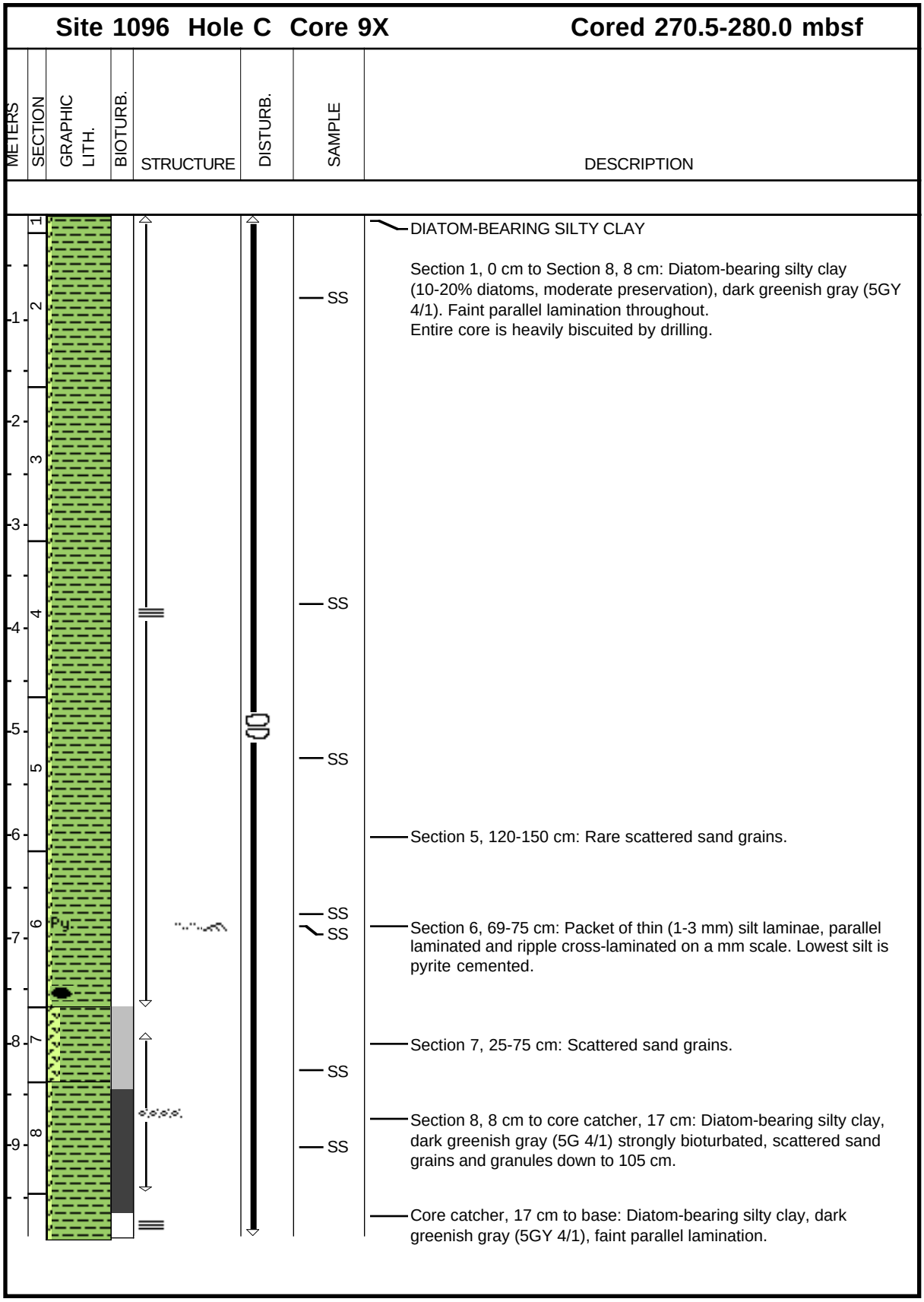
## Core Image


Site 1096 Hole C Core 7X
Cored 255.2-260.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SILTY CLAY
Section 1, 0 cm to Section 4, 22 cm: Silty clay, dark greenish gray (5GY 4/1), parallel laminated within biscuits. Entire core is moderately biscuited. No silt laminae.
Section 3, 43 cm: Dropstone, fine-grained, black, angular, 2 cm diameter. Section 3, 136-139 cm: Scattered sand grains.
SS
Section 4, 22-131 cm: Silty clay, dark greenish gray (5G 4/1), conspicuously greener than rest of core. Structureless and bioturbated, scattered sand grains abundant down to 90 cm. Concentration of granules and small pebbles towards top.
SS
Section 4, 131 cm to Section 7: Silty clay, dark greenish gray (5GY 4/1), parallel laminated, no silt laminae.

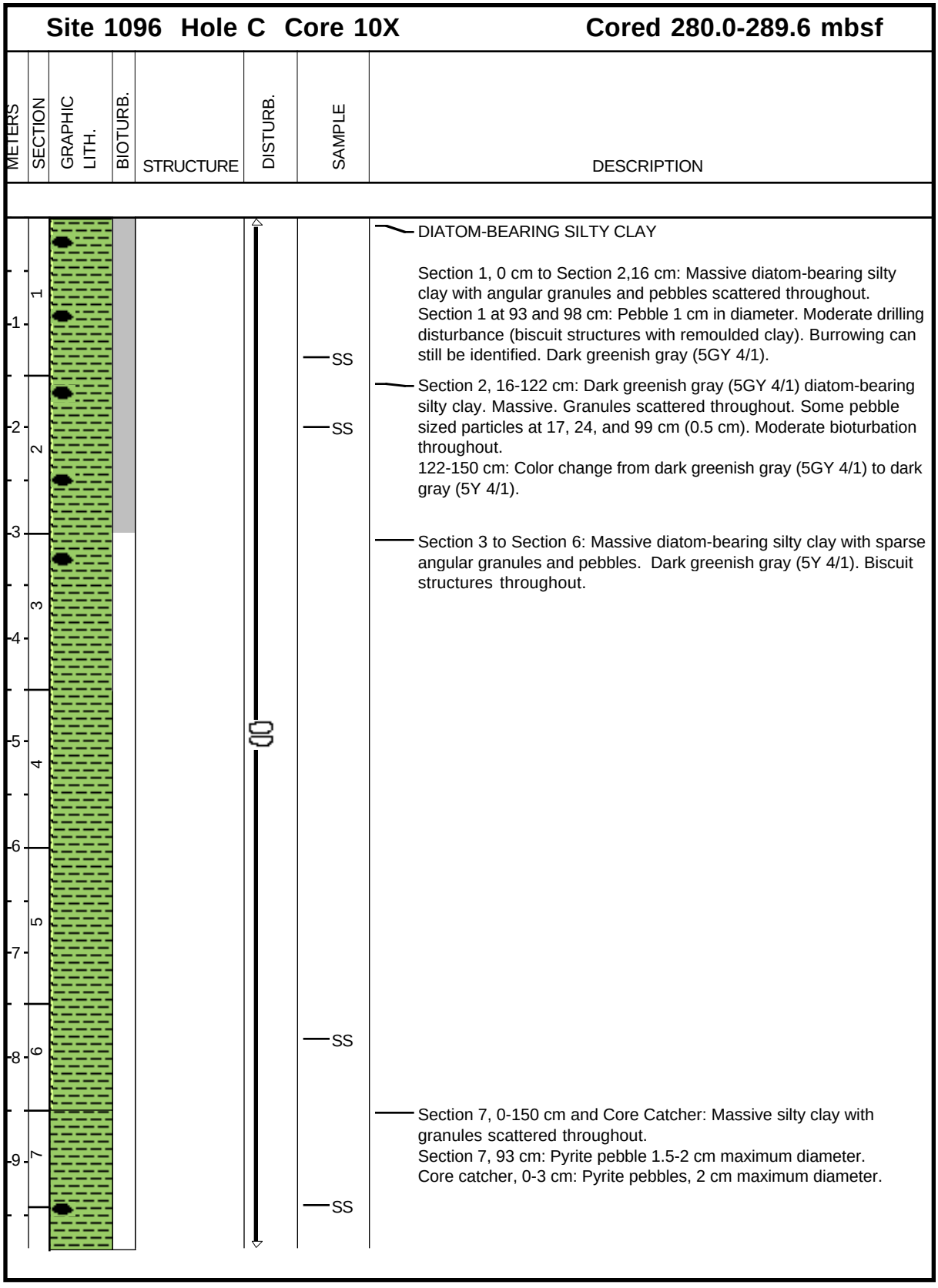
## Core Image


Site 1096 Hole C Core 8X Cored 260.9-270.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
CLAY, SILTY CLAY and DIATOM-BEARING SILTY CLAY
Section 1, 0-104 cm: Diatom-bearing silty clay, grayish green (5G 4/2) massive (structureless) and moderately burrowed. Intervals rich in ice rafted granules.
Section 1, 104 cm to Section 7, 46 cm and core catcher: Diatom bearing clay and silty clay, dark greenish gray (5GY 4/1), faintly laminated with laminae 2-8 cm thick. Ice rafted granules scattered throughout.
Section 6, 30-40 cm and 56-70 cm; Section 7, 35-46 cm and top core catcher: Diatom-bearing silty clay, grayish green (5G 4/2), massive (structureless) and moderately burrowed.

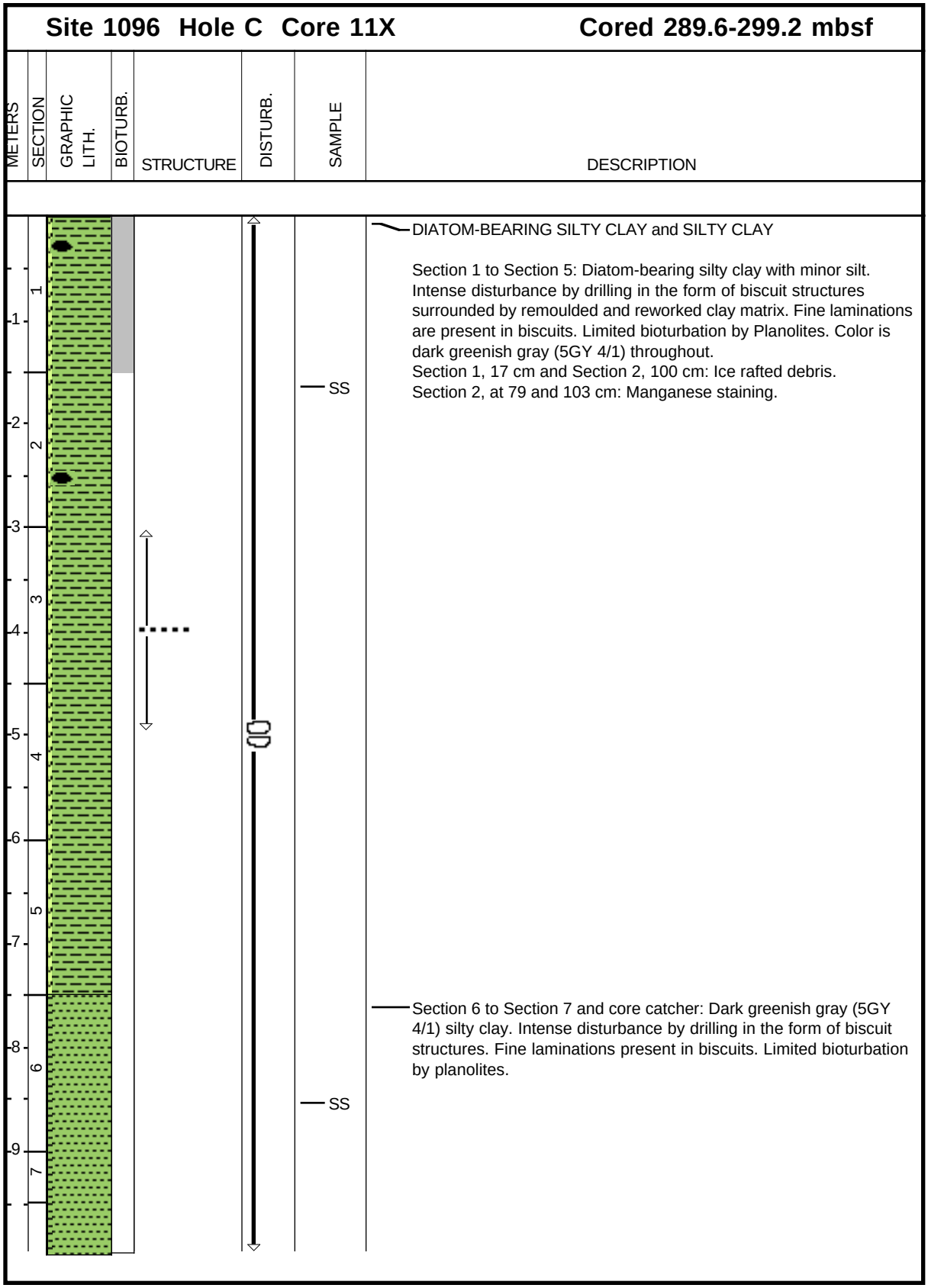
## Core Image


Site 1096 Hole C Core 9X Cored 270.5-280.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM-BEARING SILTY CLAY
Section 1, 0 cm to Section 8, 8 cm: Diatom-bearing silty clay (10-20% diatoms, moderate preservation), dark greenish gray (5GY 4/1). Faint parallel lamination throughout.
Entire core is heavily biscuited by drilling.
SS
SS
SS
Section 5, 120-150 cm: Rare scattered sand grains.
SS
SS
Section 6, 69-75 cm: Packet of thin (1-3 mm) silt laminae, parallel laminated and ripple cross-laminated on a mm scale. Lowest silt is pyrite cemented.
Section 7, 25-75 cm: Scattered sand grains.
SS
Section 8, 8 cm to core catcher, 17 cm: Diatom-bearing silty clay, dark greenish gray (5G 4/1) strongly bioturbated, scattered sand grains and granules down to 105 cm.
SS
Core catcher, 17 cm to base: Diatom-bearing silty clay, dark greenish gray (5GY 4/1), faint parallel lamination.
Py

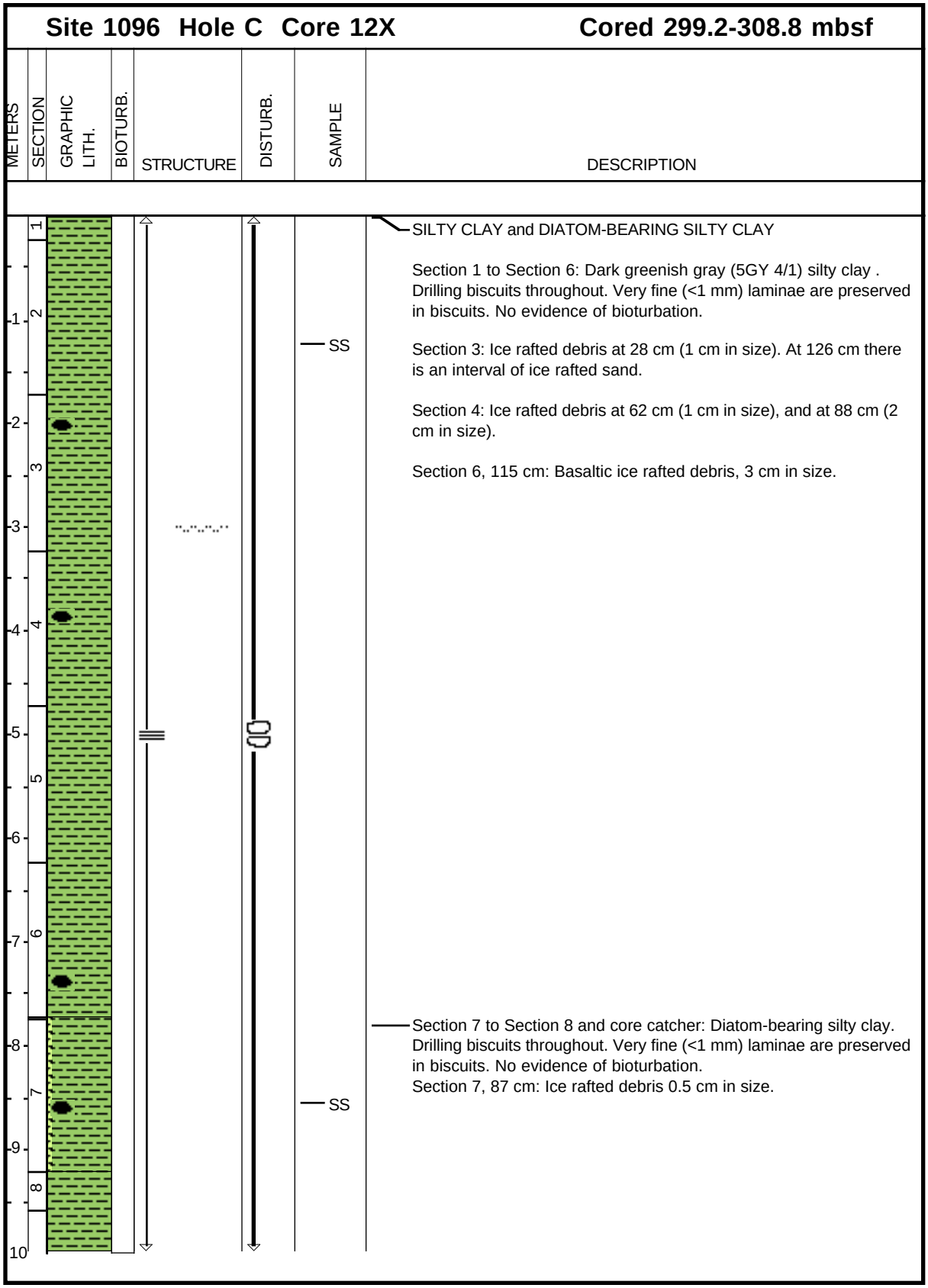
## Core Image


Site 1096 Hole C Core 10X
Cored 280.0-289.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM-BEARING SILTY CLAY
Section 1, 0 cm to Section 2,16 cm: Massive diatom-bearing silty clay with angular granules and pebbles scattered throughout.
Section 1 at 93 and 98 cm: Pebble 1 cm in diameter. Moderate drilling disturbance (biscuit structures with remoulded clay). Burrowing can still be identified. Dark greenish gray (5GY 4/1).
Section 2, 16-122 cm: Dark greenish gray (5GY 4/1) diatom-bearing silty clay. Massive. Granules scattered throughout. Some pebble sized particles at 17, 24, and 99 cm (0.5 cm). Moderate bioturbation throughout.
122-150 cm: Color change from dark greenish gray (5GY 4/1) to dark gray (5Y 4/1).
Section 3 to Section 6: Massive diatom-bearing silty clay with sparse angular granules and pebbles. Dark greenish gray (5Y 4/1). Biscuit structures throughout.
Section 7, 0-150 cm and Core Catcher: Massive silty clay with granules scattered throughout.
Section 7, 93 cm: Pyrite pebble 1.5-2 cm maximum diameter.
Core catcher, 0-3 cm: Pyrite pebbles, 2 cm maximum diameter.
SS
SS
SS
SS

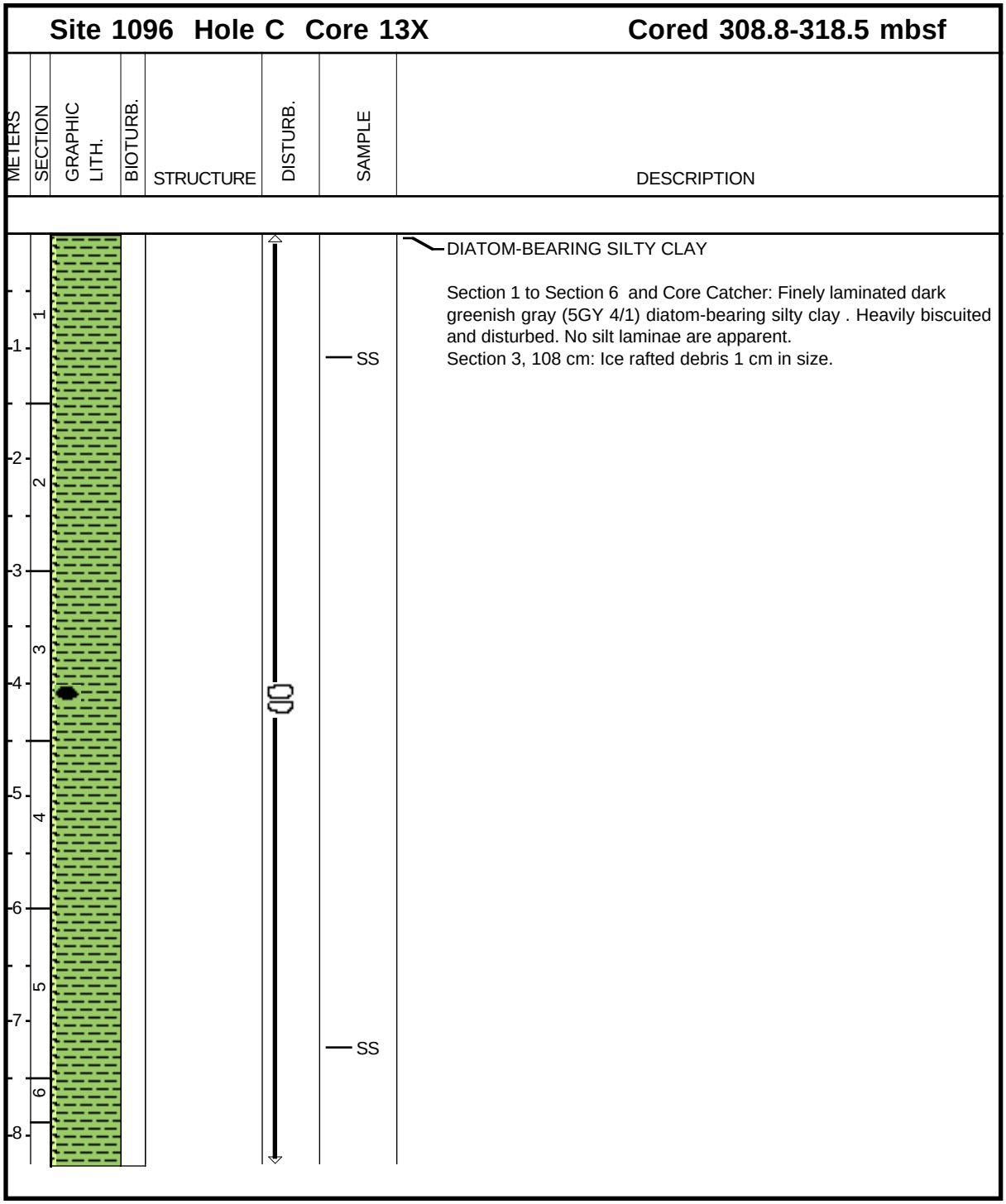
## Core Image


Site 1096 Hole C Core 11X
Cored 289.6-299.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM-BEARING SILTY CLAY and SILTY CLAY
Section 1 to Section 5: Diatom-bearing silty clay with minor silt. Intense disturbance by drilling in the form of biscuit structures surrounded by remoulded and reworked clay matrix. Fine laminations are present in biscuits. Limited bioturbation by Planolites. Color is dark greenish gray (5GY 4/1) throughout.
Section 1, 17 cm and Section 2, 100 cm: Ice rafted debris.
Section 2, at 79 and 103 cm: Manganese staining.
SS
Section 6 to Section 7 and core catcher: Dark greenish gray (5GY 4/1) silty clay. Intense disturbance by drilling in the form of biscuit structures. Fine laminations present in biscuits. Limited bioturbation by planolites.
SS

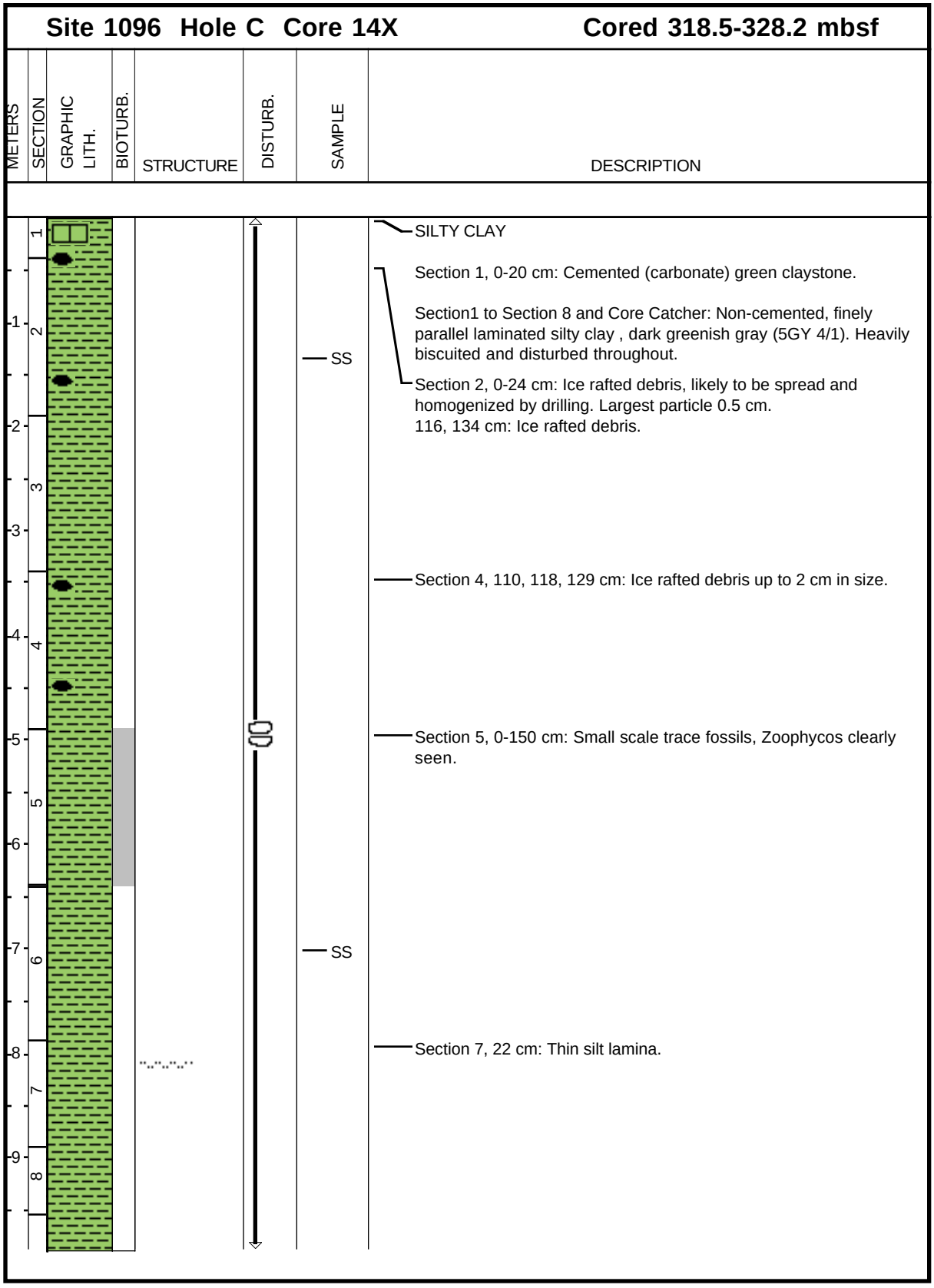
## Core Image


Site 1096 Hole C Core 12X Cored 299.2-308.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SILTY CLAY and DIATOM-BEARING SILTY CLAY
Section 1 to Section 6: Dark greenish gray (5GY 4/1) silty clay . Drilling biscuits throughout. Very fine (<1 mm) laminae are preserved in biscuits. No evidence of bioturbation.
Section 3: Ice rafted debris at 28 cm (1 cm in size). At 126 cm there is an interval of ice rafted sand.
Section 4: Ice rafted debris at 62 cm (1 cm in size), and at 88 cm (2 cm in size).
Section 6, 115 cm: Basaltic ice rafted debris, 3 cm in size.
SS
Section 7 to Section 8 and core catcher: Diatom-bearing silty clay. Drilling biscuits throughout. Very fine (<1 mm) laminae are preserved in biscuits. No evidence of bioturbation.
Section 7, 87 cm: Ice rafted debris 0.5 cm in size.
SS

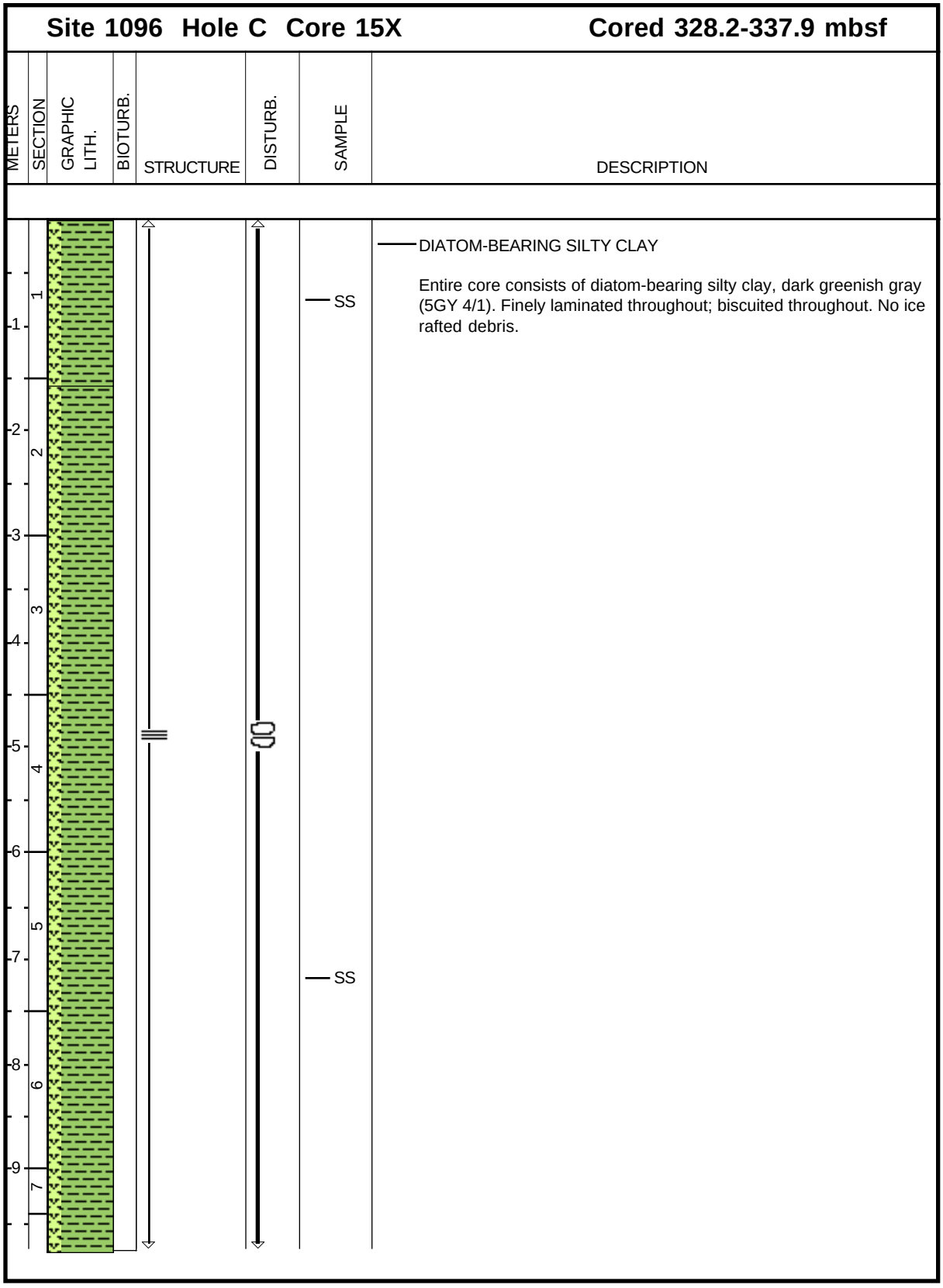
## Core Image


Site 1096 Hole C Core 13X
Cored 308.8-318.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM-BEARING SILTY CLAY
Section 1 to Section 6 and Core Catcher: Finely laminated dark greenish gray (5GY 4/1) diatom-bearing silty clay . Heavily biscuited and disturbed. No silt laminae are apparent.
Section 3, 108 cm: Ice rafted debris 1 cm in size.
SS
SS

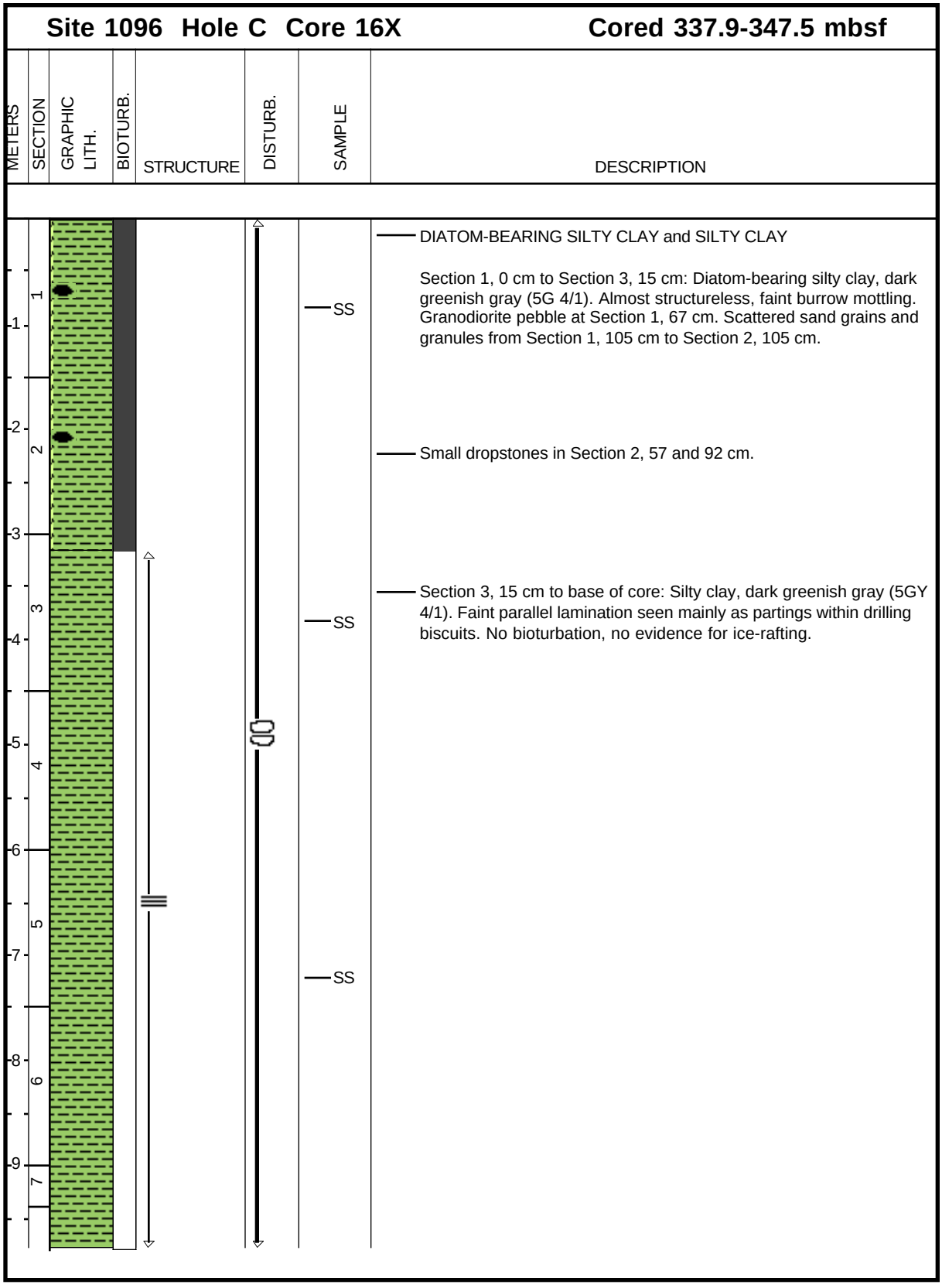
## Core Image


Site 1096 Hole C Core 14X
Cored 318.5-328.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SILTY CLAY
Section 1, 0-20 cm: Cemented (carbonate) green claystone.
Section1 to Section 8 and Core Catcher: Non-cemented, finely parallel laminated silty clay , dark greenish gray (5GY 4/1). Heavily biscuited and disturbed throughout.
Section 2, 0-24 cm: Ice rafted debris, likely to be spread and homogenized by drilling. Largest particle 0.5 cm.
116, 134 cm: Ice rafted debris.
SS
Section 4, 110, 118, 129 cm: Ice rafted debris up to 2 cm in size.
Section 5, 0-150 cm: Small scale trace fossils, Zoophycos clearly seen.
SS
Section 7, 22 cm: Thin silt lamina.

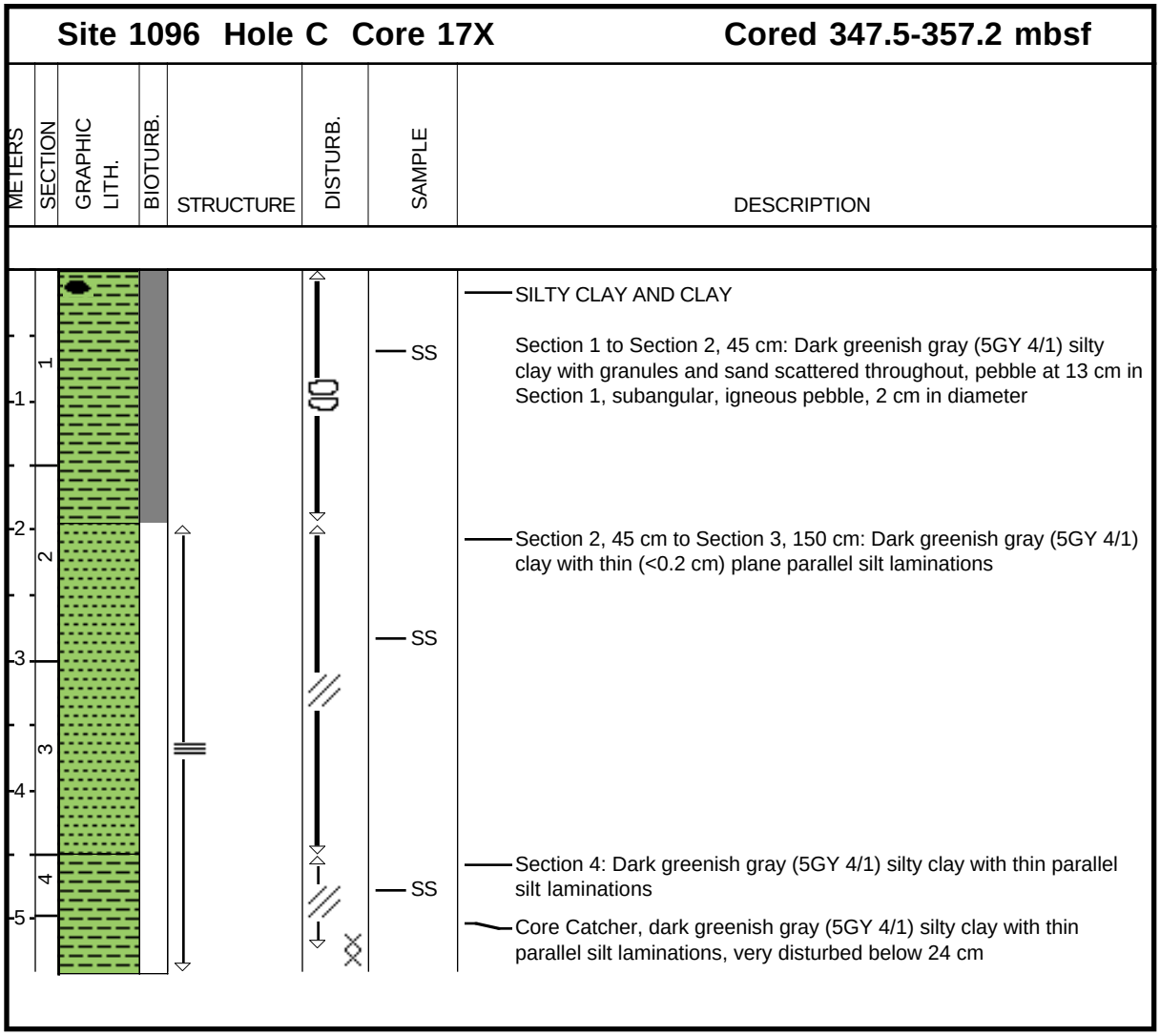
## Core Image


Site 1096 Hole C Core 15X
Cored 328.2-337.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM-BEARING SILTY CLAY
Entire core consists of diatom-bearing silty clay, dark greenish gray (5GY 4/1). Finely laminated throughout; biscuited throughout. No ice rafted debris.
SS
SS

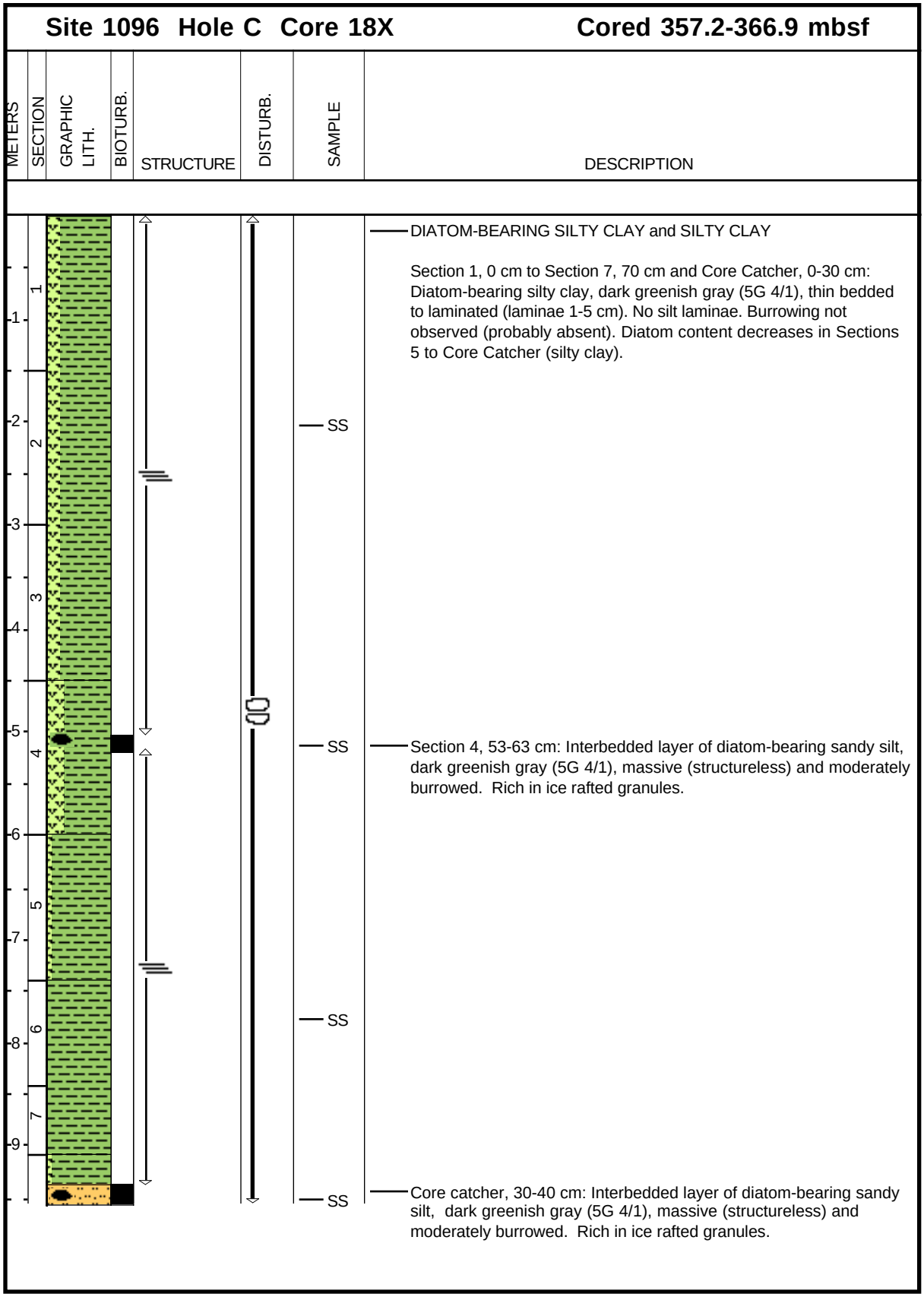
## Core Image


Site 1096 Hole C Core 16X Cored 337.9-347.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM-BEARING SILTY CLAY and SILTY CLAY
Section 1, 0 cm to Section 3, 15 cm: Diatom-bearing silty clay, dark greenish gray (5G 4/1). Almost structureless, faint burrow mottling. Granodiorite pebble at Section 1, 67 cm. Scattered sand grains and granules from Section 1, 105 cm to Section 2, 105 cm.
Small dropstones in Section 2, 57 and 92 cm.
Section 3, 15 cm to base of core: Silty clay, dark greenish gray (5GY 4/1). Faint parallel lamination seen mainly as partings within drilling biscuits. No bioturbation, no evidence for ice-rafting.
SS
SS
SS

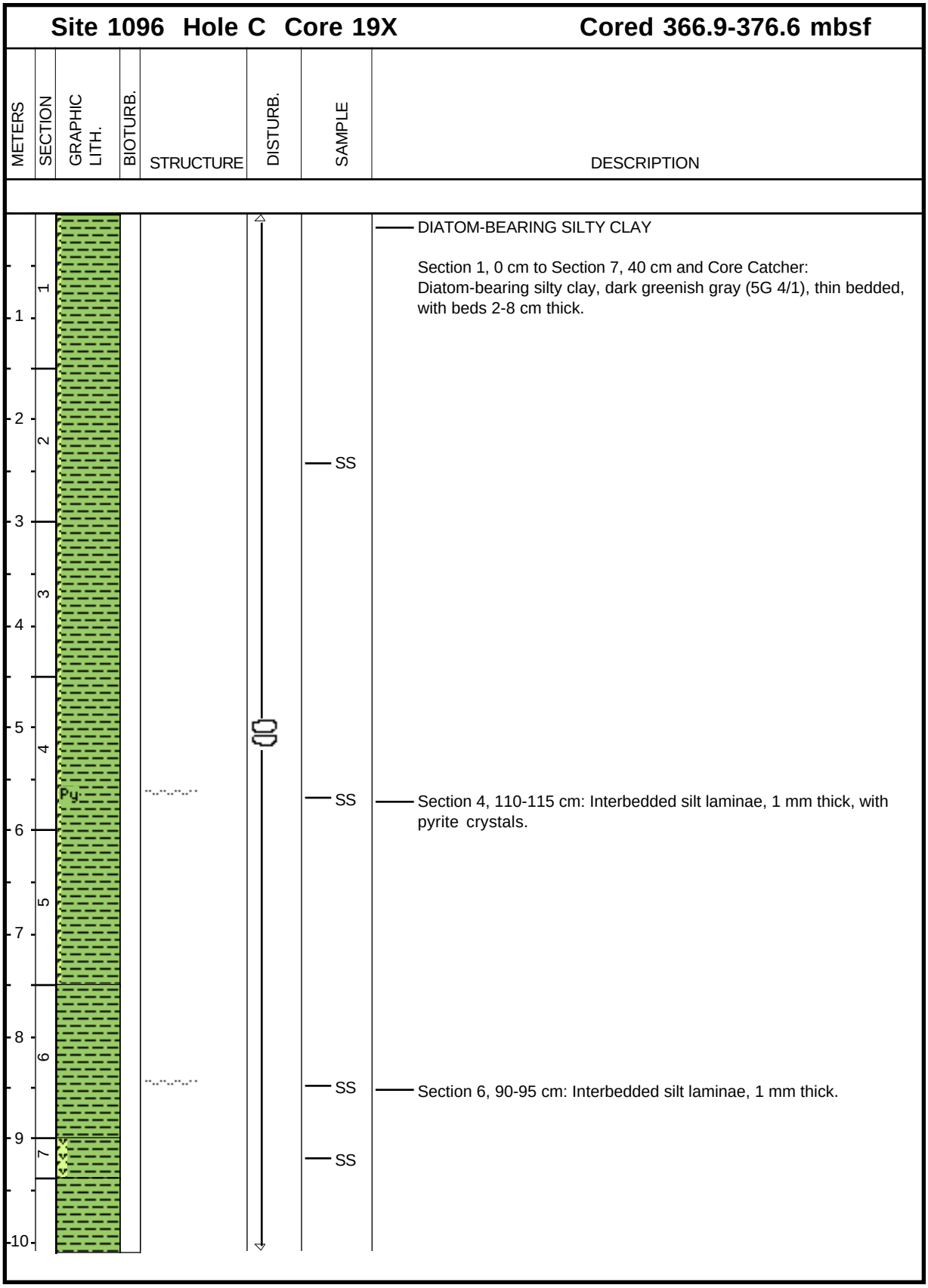
## Core Image


Site 1096 Hole C Core 17X
Cored 347.5-357.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SILTY CLAY AND CLAY
Section 1 to Section 2, 45 cm: Dark greenish gray (5GY 4/1) silty clay with granules and sand scattered throughout, pebble at 13 cm in Section 1, subangular, igneous pebble, 2 cm in diameter
Section 2, 45 cm to Section 3, 150 cm: Dark greenish gray (5GY 4/1) clay with thin (<0.2 cm) plane parallel silt laminations
Section 4: Dark greenish gray (5GY 4/1) silty clay with thin parallel silt laminations
Core Catcher, dark greenish gray (5GY 4/1) silty clay with thin parallel silt laminations, very disturbed below 24 cm
SS
SS
SS
1
2
3
4
0
1
2
3
4
5

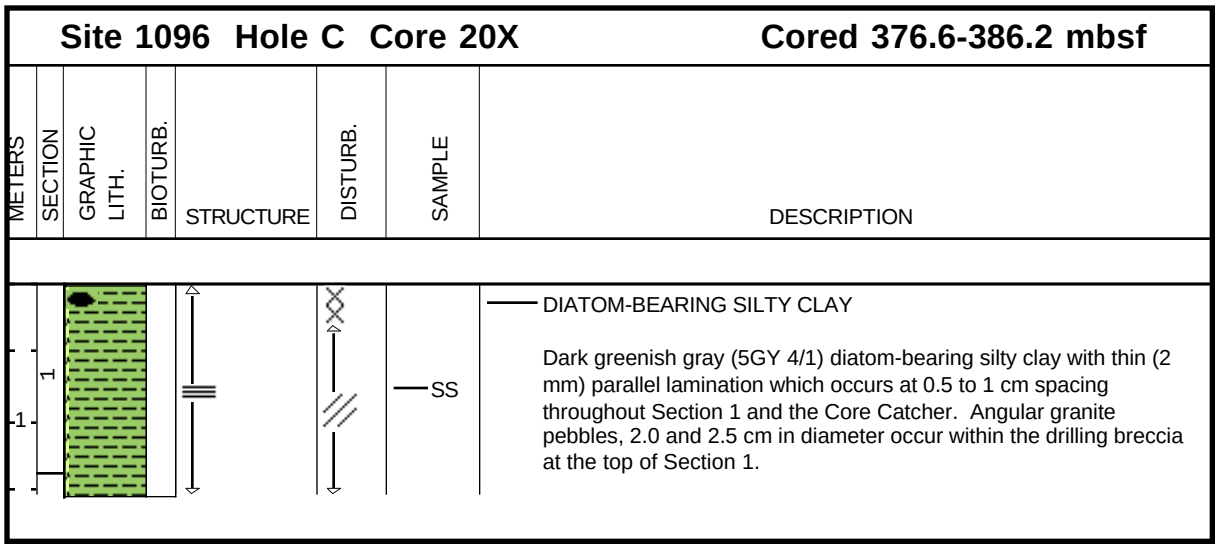
## Core Image


Site 1096 Hole C Core 18X
Cored 357.2-366.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM-BEARING SILTY CLAY and SILTY CLAY
Section 1, 0 cm to Section 7, 70 cm and Core Catcher, 0-30 cm: Diatom-bearing silty clay, dark greenish gray (5G 4/1), thin bedded to laminated (laminae 1-5 cm). No silt laminae. Burrowing not observed (probably absent). Diatom content decreases in Sections 5 to Core Catcher (silty clay).
SS
SS
Section 4, 53-63 cm: Interbedded layer of diatom-bearing sandy silt, dark greenish gray (5G 4/1), massive (structureless) and moderately burrowed. Rich in ice rafted granules.
SS
SS
Core catcher, 30-40 cm: Interbedded layer of diatom-bearing sandy silt, dark greenish gray (5G 4/1), massive (structureless) and moderately burrowed. Rich in ice rafted granules.

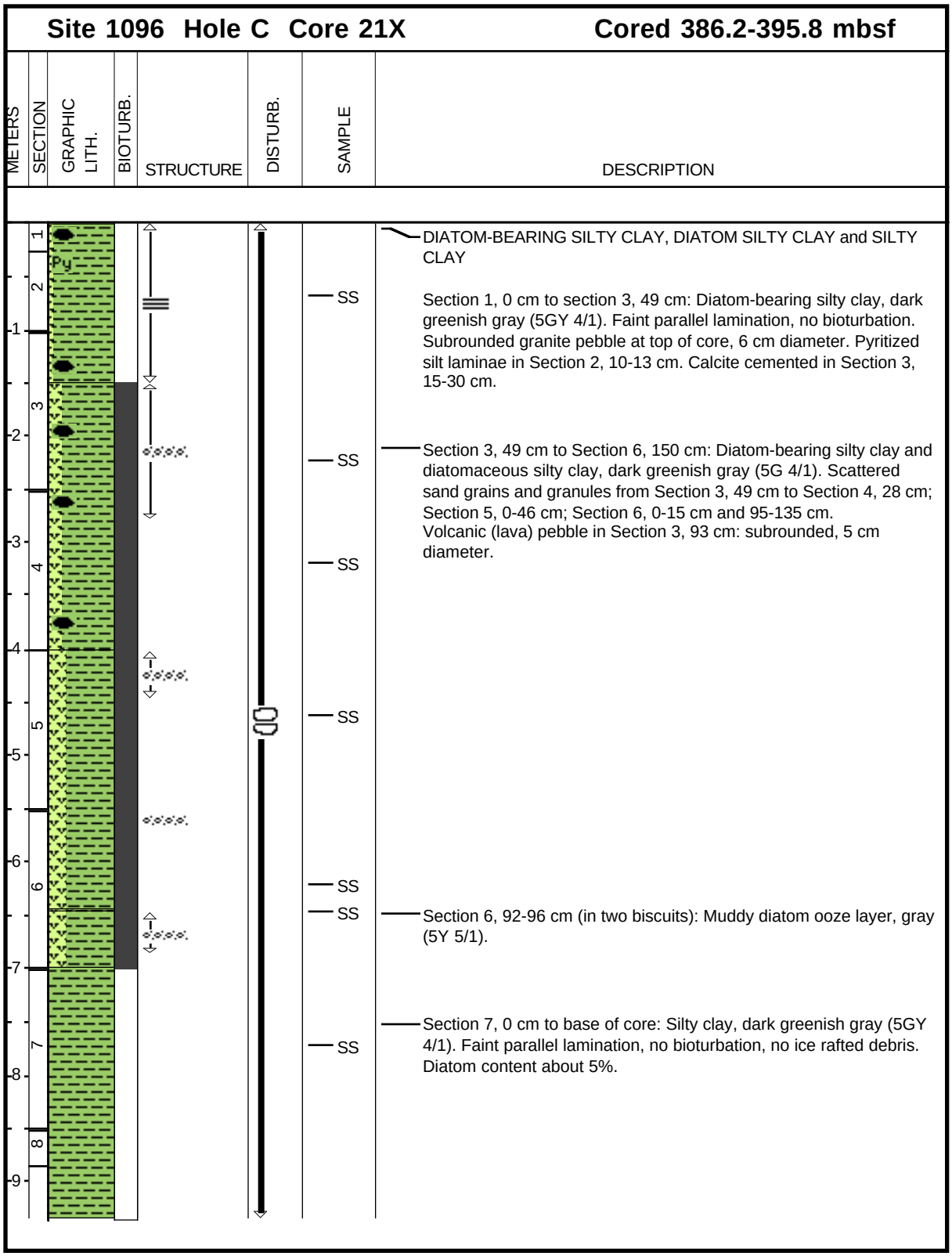
## Core Image


Site 1096 Hole C Core 19X Cored 366.9-376.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM-BEARING SILTY CLAY
Section 1, 0 cm to Section 7, 40 cm and Core Catcher:
Diatom-bearing silty clay, dark greenish gray (5G 4/1), thin bedded, with beds 2-8 cm thick.
SS
SS
Section 4, 110-115 cm: Interbedded silt laminae, 1 mm thick, with pyrite crystals.
SS
Section 6, 90-95 cm: Interbedded silt laminae, 1 mm thick.
SS
Py
1
2
3
4
5
6
7
1
2
3
4
5
6
7
8
9
10

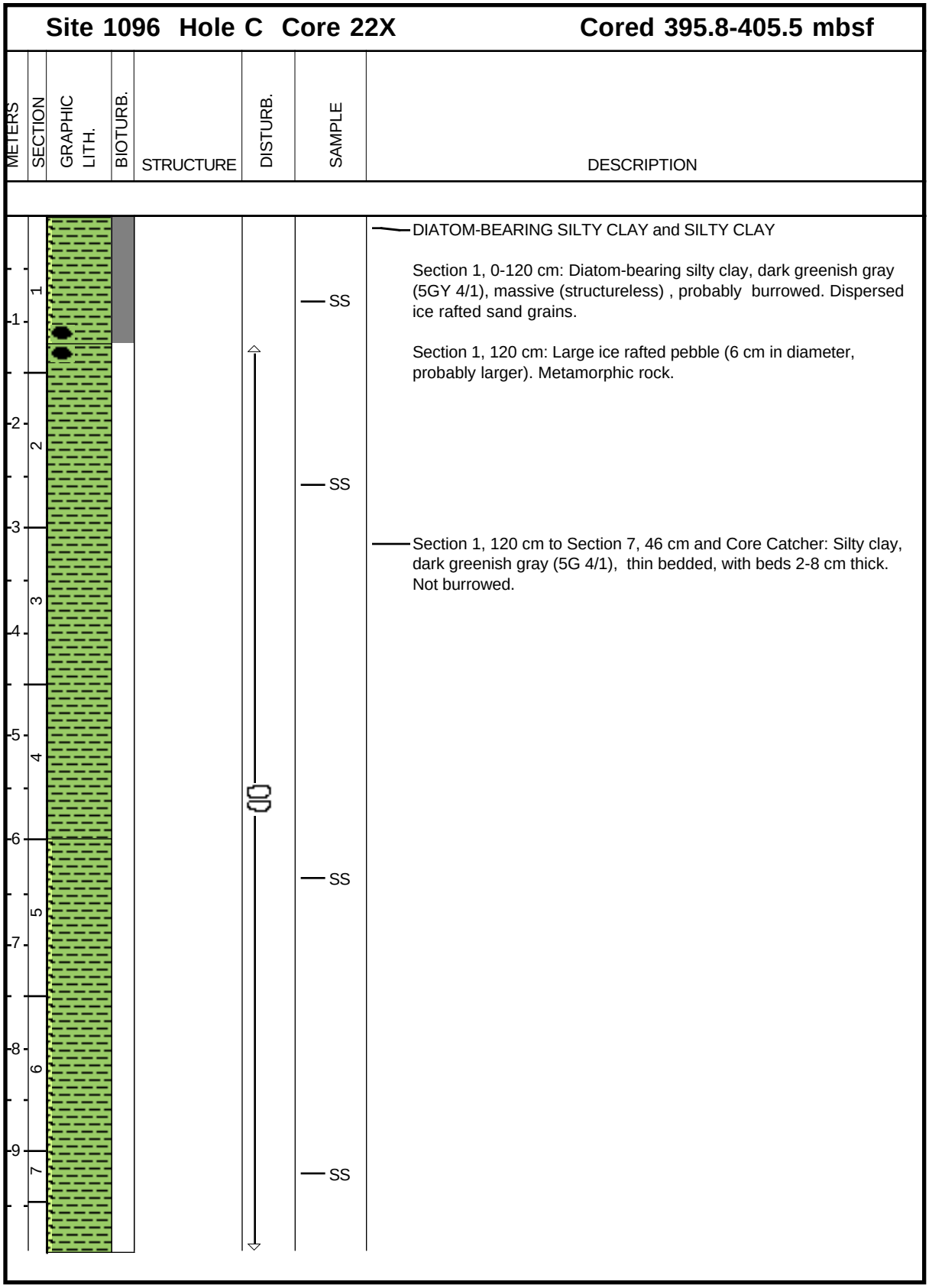
## Core Image


Site 1096 Hole C Core 20X
Cored 376.6-386.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
1
1
SS
DIATOM-BEARING SILTY CLAY
Dark greenish gray (5GY 4/1) diatom-bearing silty clay with thin (2 mm) parallel lamination which occurs at 0.5 to 1 cm spacing throughout Section 1 and the Core Catcher. Angular granite pebbles, 2.0 and 2.5 cm in diameter occur within the drilling breccia at the top of Section 1.

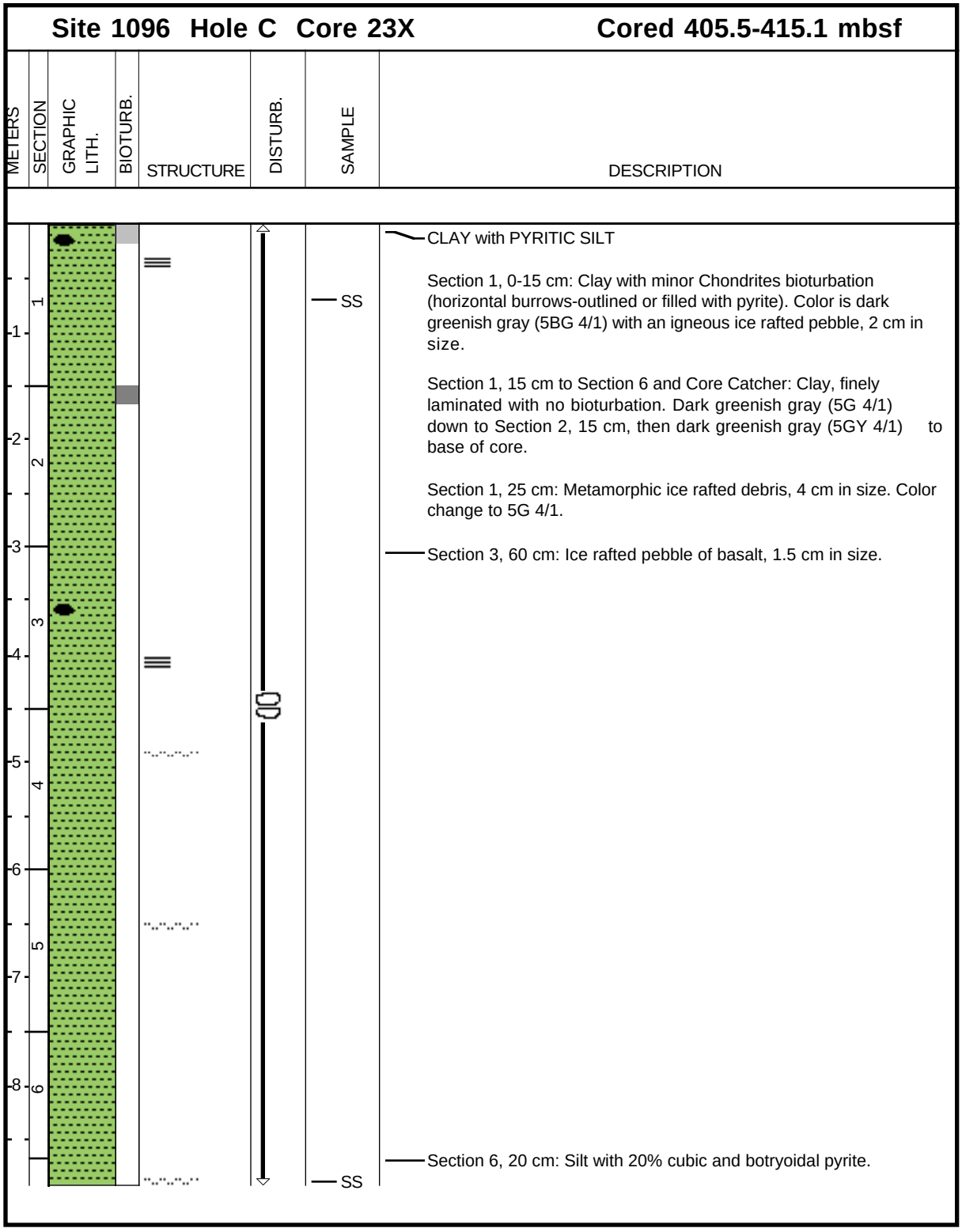
## Core Image


Site 1096 Hole C Core 21X
Cored 386.2-395.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
Py
SS
SS
SS
SS
SS
SS
DIATOM-BEARING SILTY CLAY, DIATOM SILTY CLAY and SILTY CLAY
Section 1, 0 cm to section 3, 49 cm: Diatom-bearing silty clay, dark greenish gray (5GY 4/1). Faint parallel lamination, no bioturbation. Subrounded granite pebble at top of core, 6 cm diameter. Pyritized silt laminae in Section 2, 10-13 cm. Calcite cemented in Section 3, 15-30 cm.
Section 3, 49 cm to Section 6, 150 cm: Diatom-bearing silty clay and diatomaceous silty clay, dark greenish gray (5G 4/1). Scattered sand grains and granules from Section 3, 49 cm to Section 4, 28 cm; Section 5, 0-46 cm; Section 6, 0-15 cm and 95-135 cm.
Volcanic (lava) pebble in Section 3, 93 cm: subrounded, 5 cm diameter.
Section 6, 92-96 cm (in two biscuits): Muddy diatom ooze layer, gray (5Y 5/1).
Section 7, 0 cm to base of core: Silty clay, dark greenish gray (5GY 4/1). Faint parallel lamination, no bioturbation, no ice rafted debris. Diatom content about 5%.

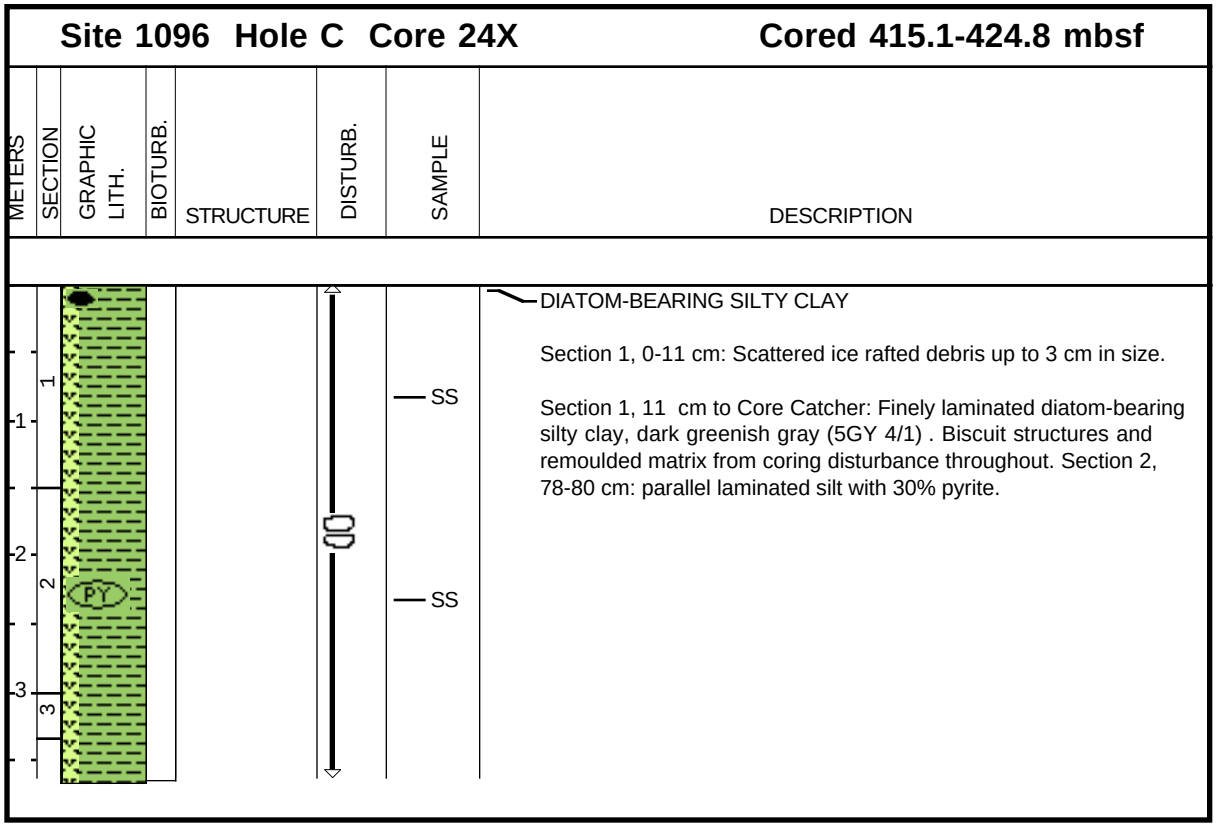
## Core Image


Site 1096 Hole C Core 22X
Cored 395.8-405.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM-BEARING SILTY CLAY and SILTY CLAY
Section 1, 0-120 cm: Diatom-bearing silty clay, dark greenish gray (5GY 4/1), massive (structureless) , probably burrowed. Dispersed ice rafted sand grains.
Section 1, 120 cm: Large ice rafted pebble (6 cm in diameter, probably larger). Metamorphic rock.
Section 1, 120 cm to Section 7, 46 cm and Core Catcher: Silty clay, dark greenish gray (5G 4/1), thin bedded, with beds 2-8 cm thick. Not burrowed.
SS
SS
SS
SS
1
2
3
4
5
6
7
1
2
3
4
5
6
7
8
9

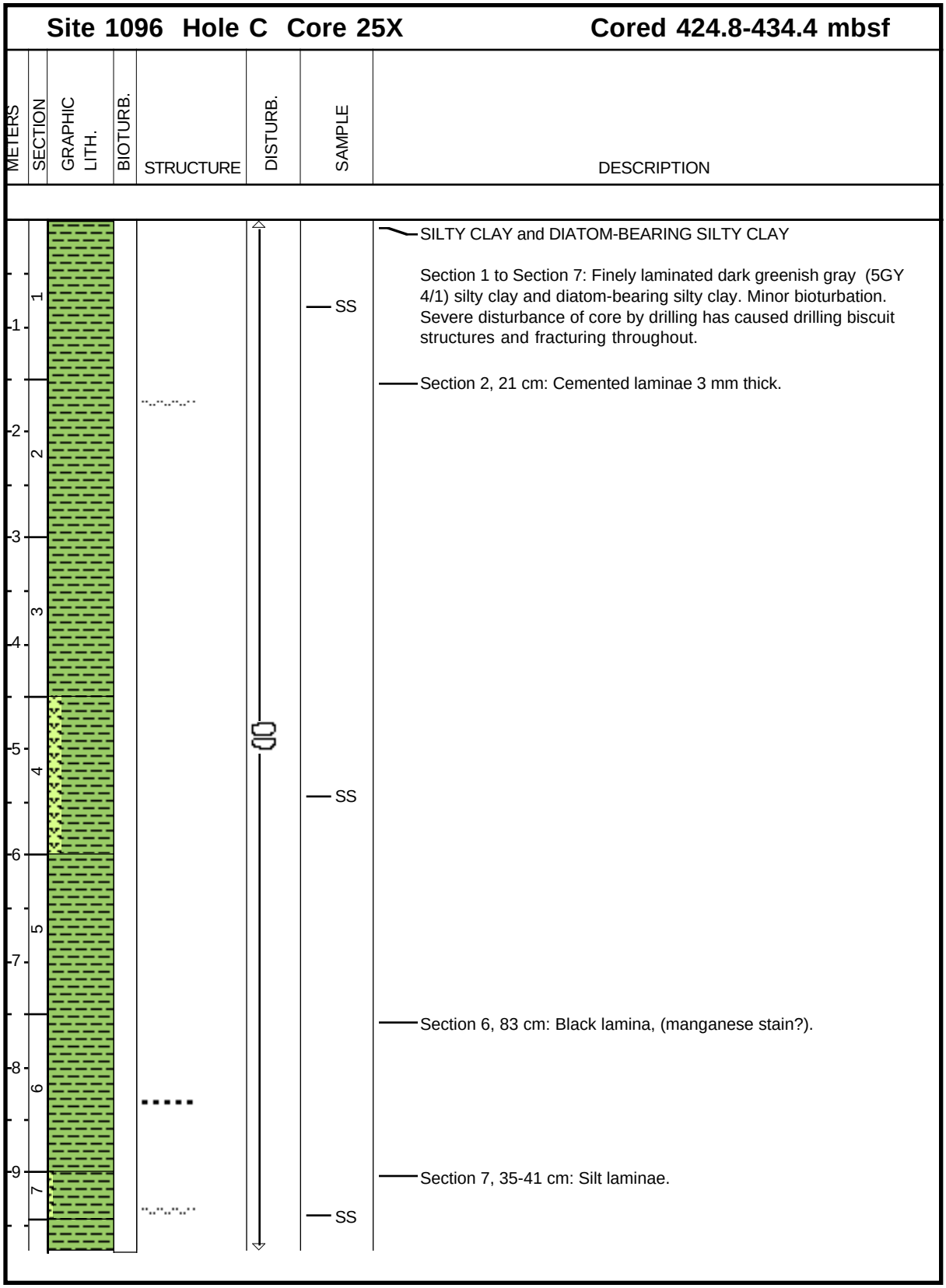
## Core Image


Site 1096 Hole C Core 23X
Cored 405.5-415.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
CLAY with PYRITIC SILT
Section 1, 0-15 cm: Clay with minor Chondrites bioturbation (horizontal burrows-outlined or filled with pyrite). Color is dark greenish gray (5BG 4/1) with an igneous ice rafted pebble, 2 cm in size.
Section 1, 15 cm to Section 6 and Core Catcher: Clay, finely laminated with no bioturbation. Dark greenish gray (5G 4/1) down to Section 2, 15 cm, then dark greenish gray (5GY 4/1) to base of core.
Section 1, 25 cm: Metamorphic ice rafted debris, 4 cm in size. Color change to 5G 4/1.
Section 3, 60 cm: Ice rafted pebble of basalt, 1.5 cm in size.
Section 6, 20 cm: Silt with 20% cubic and botryoidal pyrite.

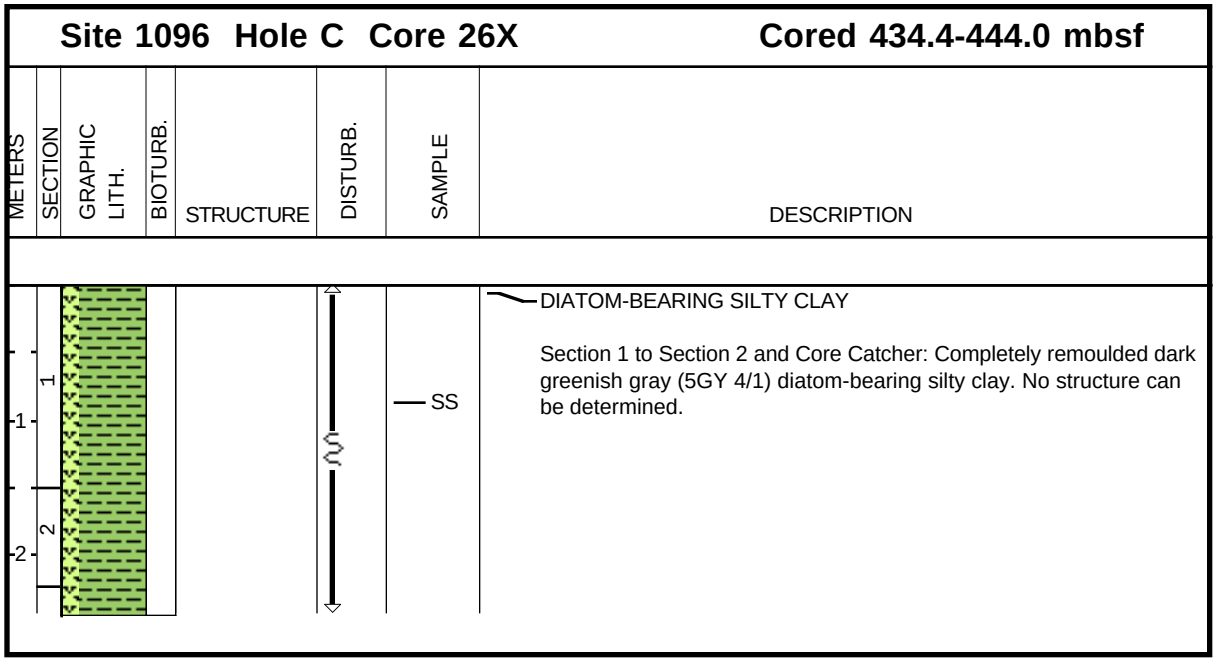
## Core Image


Site 1096 Hole C Core 24X
Cored 415.1-424.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM-BEARING SILTY CLAY
Section 1, 0-11 cm: Scattered ice rafted debris up to 3 cm in size.
Section 1, 11 cm to Core Catcher: Finely laminated diatom-bearing silty clay, dark greenish gray (5GY 4/1) . Biscuit structures and remoulded matrix from coring disturbance throughout. Section 2, 78-80 cm: parallel laminated silt with 30% pyrite.
SS
SS
PY
1
2
3
-1
-2
-3

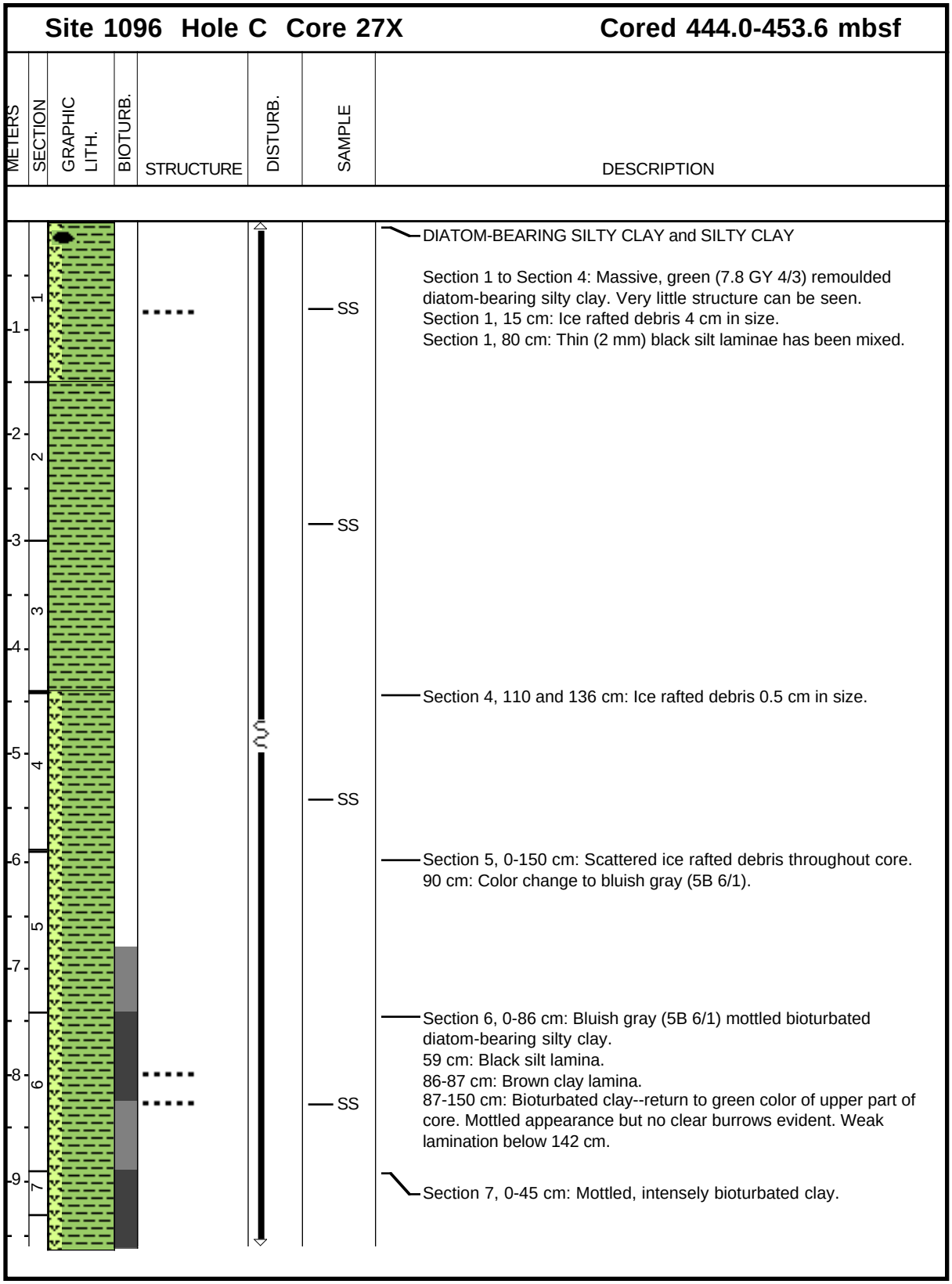
## Core Image


Site 1096 Hole C Core 25X
Cored 424.8-434.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SILTY CLAY and DIATOM-BEARING SILTY CLAY
Section 1 to Section 7: Finely laminated dark greenish gray (5GY 4/1) silty clay and diatom-bearing silty clay. Minor bioturbation. Severe disturbance of core by drilling has caused drilling biscuit structures and fracturing throughout.
Section 2, 21 cm: Cemented laminae 3 mm thick.
SS
SS
SS
Section 6, 83 cm: Black lamina, (manganese stain?).
Section 7, 35-41 cm: Silt laminae.

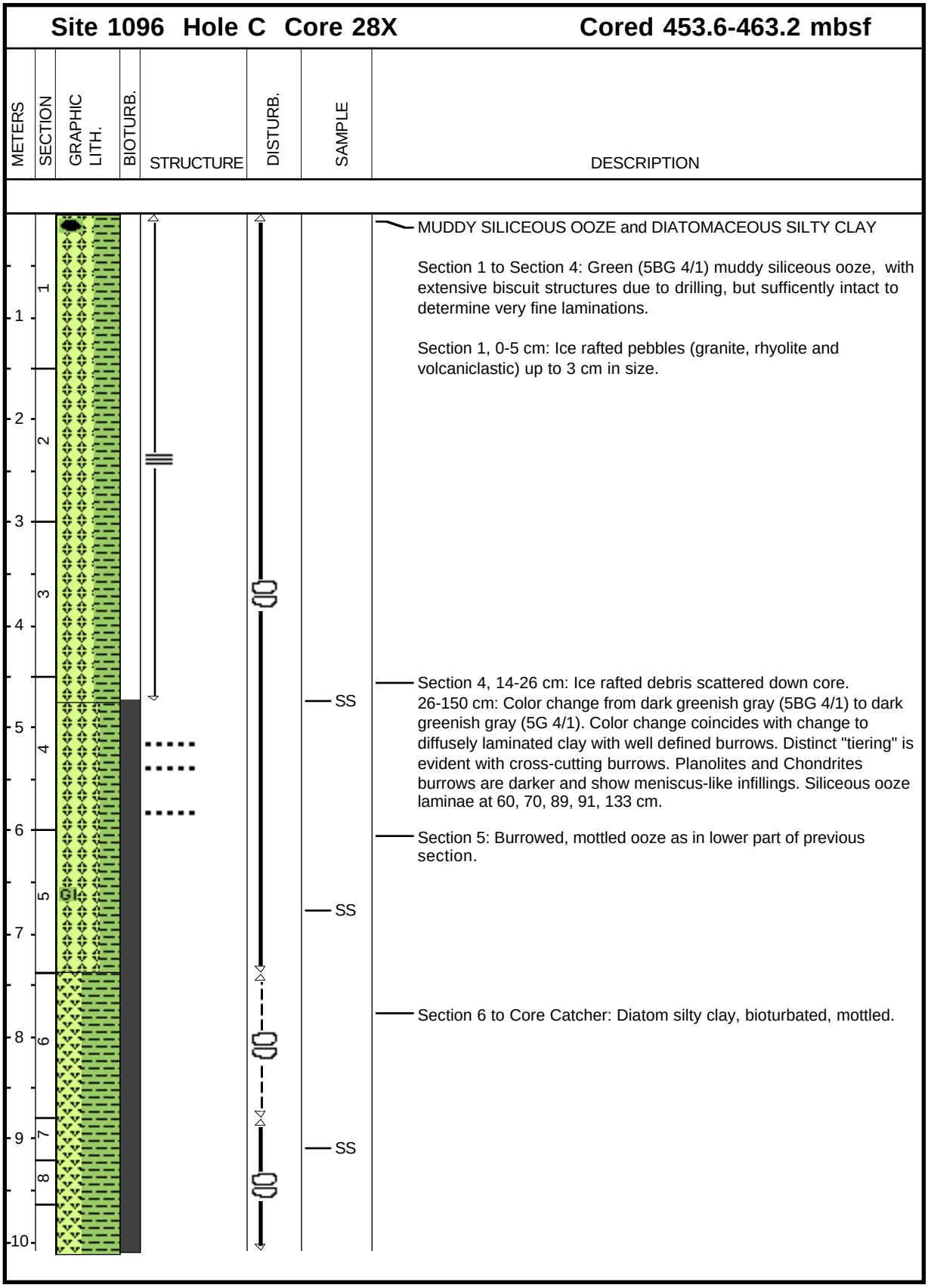
## Core Image


Site 1096 Hole C Core 26X
Cored 434.4-444.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
1
2
-1
-2
SS
DIATOM-BEARING SILTY CLAY
Section 1 to Section 2 and Core Catcher: Completely remoulded dark greenish gray (5GY 4/1) diatom-bearing silty clay. No structure can be determined.

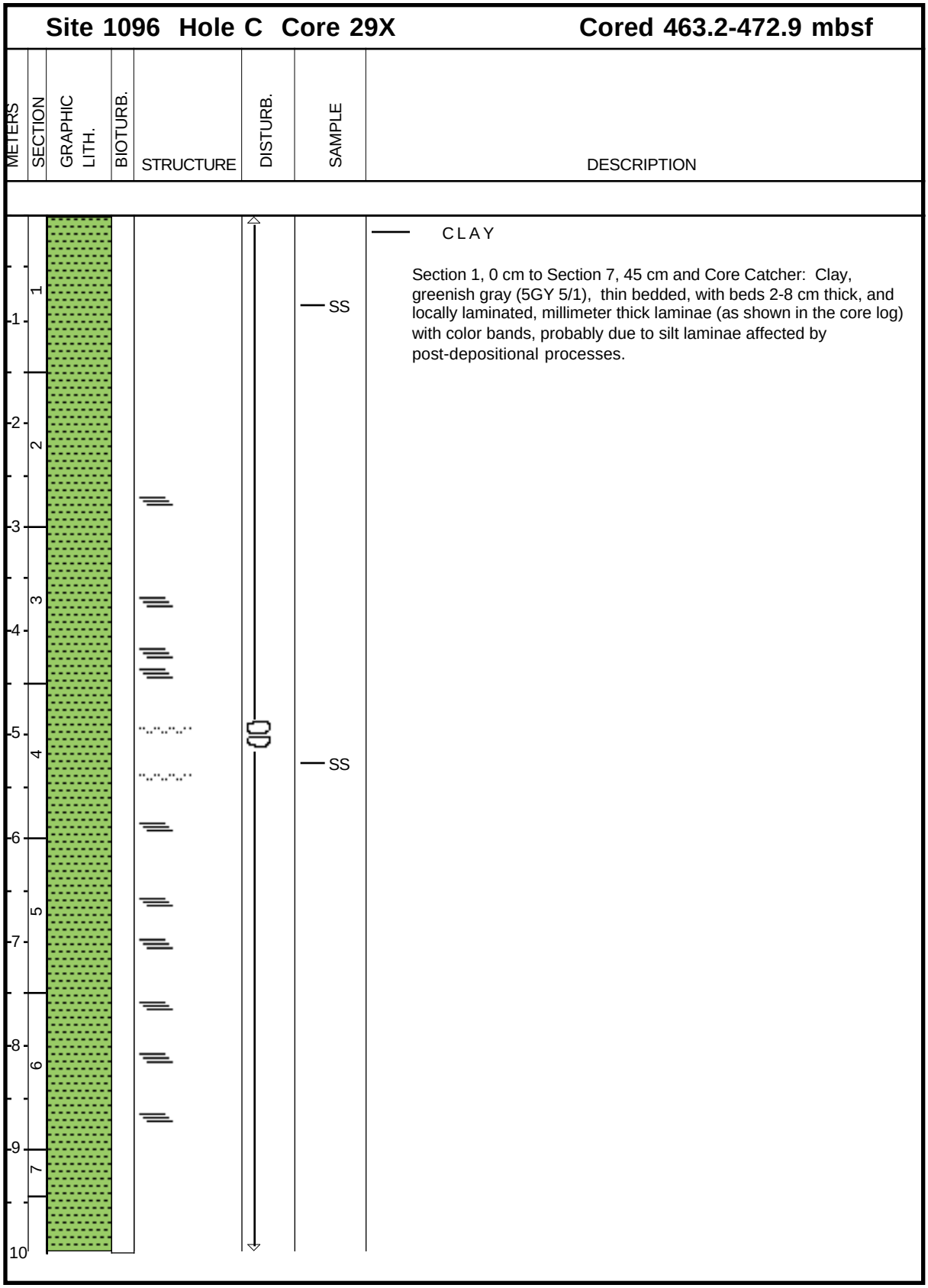
## Core Image


Site 1096 Hole C Core 27X
Cored 444.0-453.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM-BEARING SILTY CLAY and SILTY CLAY
Section 1 to Section 4: Massive, green (7.8 GY 4/3) remoulded diatom-bearing silty clay. Very little structure can be seen.
Section 1, 15 cm: Ice rafted debris 4 cm in size.
Section 1, 80 cm: Thin (2 mm) black silt laminae has been mixed.
SS
SS
Section 4, 110 and 136 cm: Ice rafted debris 0.5 cm in size.
SS
Section 5, 0-150 cm: Scattered ice rafted debris throughout core.
90 cm: Color change to bluish gray (5B 6/1).
Section 6, 0-86 cm: Bluish gray (5B 6/1) mottled bioturbated diatom-bearing silty clay.
59 cm: Black silt lamina.
86-87 cm: Brown clay lamina.
87-150 cm: Bioturbated clay--return to green color of upper part of core. Mottled appearance but no clear burrows evident. Weak lamination below 142 cm.
SS
Section 7, 0-45 cm: Mottled, intensely bioturbated clay.

## Core Image

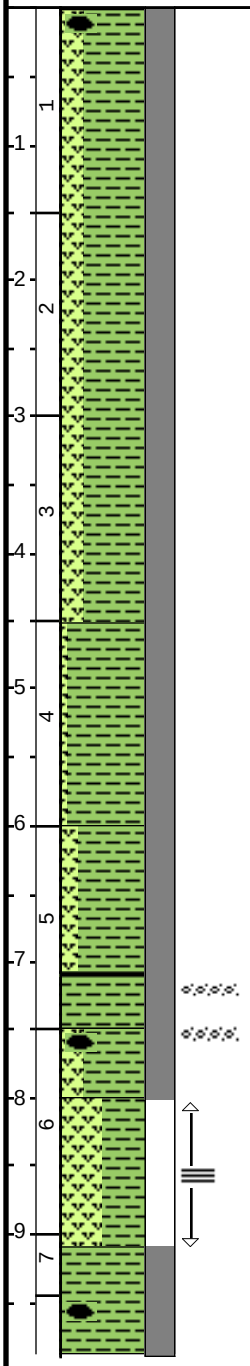

Site 1096 Hole C Core 28X
Cored 453.6-463.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
MUDDY SILICEOUS OOZE and DIATOMACEOUS SILTY CLAY
Section 1 to Section 4: Green (5BG 4/1) muddy siliceous ooze, with extensive biscuit structures due to drilling, but sufficently intact to determine very fine laminations.
Section 1, 0-5 cm: Ice rafted pebbles (granite, rhyolite and volcaniclastic) up to 3 cm in size.
Section 4, 14-26 cm: Ice rafted debris scattered down core.
26-150 cm: Color change from dark greenish gray (5BG 4/1) to dark greenish gray (5G 4/1). Color change coincides with change to diffusely laminated clay with well defined burrows. Distinct "tiering" is evident with cross-cutting burrows. Planolites and Chondrites burrows are darker and show meniscus-like infillings. Siliceous ooze laminae at 60, 70, 89, 91, 133 cm.
Section 5: Burrowed, mottled ooze as in lower part of previous section.
Section 6 to Core Catcher: Diatom silty clay, bioturbated, mottled.
SS
SS
SS

## Core Image


Site 1096 Hole C Core 29X
Cored 463.2-472.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
CLAY
Section 1, 0 cm to Section 7, 45 cm and Core Catcher: Clay, greenish gray (5GY 5/1), thin bedded, with beds 2-8 cm thick, and locally laminated, millimeter thick laminae (as shown in the core log) with color bands, probably due to silt laminae affected by post-depositional processes.
SS
SS
1
2
3
4
5
6
7
10

## Core Image

**Site 1096 Hole C Core 30X Cored 472.9-482.5 mbsf**




DIATOMACEOUS SILTY CLAY, DIATOM- BEARING SILTY CLAY and MUDDY DIATOM OOZE

Section 1 to Section 3: Dark greenish gray (5GY 4/1) diatomaceous silty clay with scattered granules and sand grains, 3 pebbles in the top 15 cm, 5 cm, 2.5 cm, and 1.5 cm diameter. Bioturbation is strong and burrows infilled with pyrite occur commonly.

Section 4: Diatom-bearing silty clay with scattered sand, dark mottled area between 55 and 60 cm, smear slide at 57 cm contains 10% diatoms and 15% pyrite.

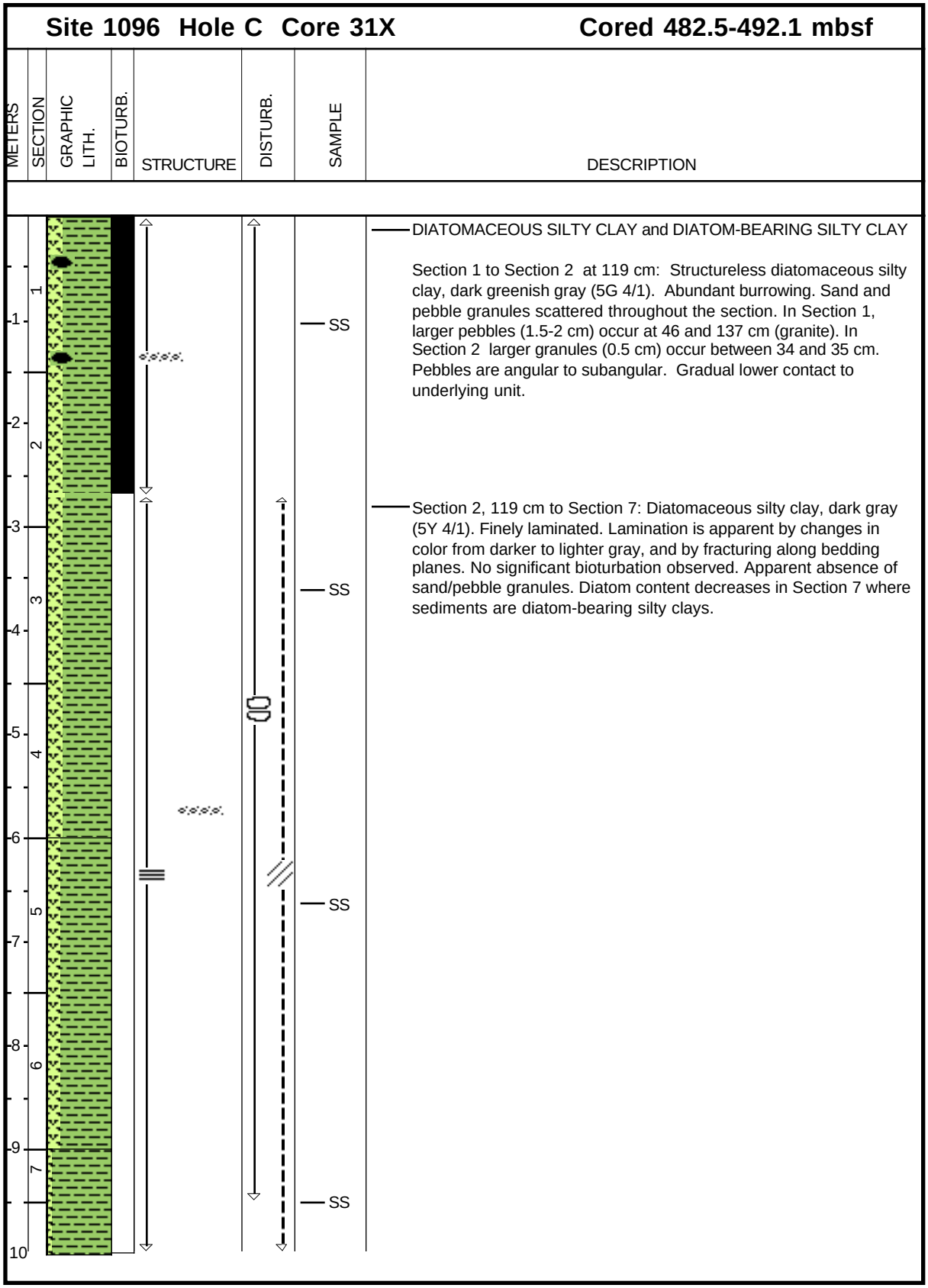
Section 5: Dark greenish gray (5BG 4/1) diatomaceous silty clay. Dark mottled intervals occur between 11-19 cm and 71-75 cm. Sharp contact at 110 cm with dark greenish gray (5BG 4/1) massive silty clay with high concentration of granules between 110-129 cm.

Section 6, 0-50 cm: Dark greenish gray (5BG 4/1) diatomaceous silty clay. Rounded volcanic pebble at the top, diameter is 6 cm, high concentration of granules below to 10 cm, scattered sand throughout. High bioturbation and mottled color. Sharp contact at 50 cm with dark gray (5Y 4/1) muddy diatom ooze, laminated with silt, mud beds are 6 cm thick, Smear slide at 22 cm contains 60% diatoms, at 30 cm there are 30% diatoms and 30% aragonite grains.

Section 7, 10 cm to Core Catcher: Dark greenish gray (5G 4/1) silty clay with scattered sand, horizontal burrows and mottles.

Core catcher, 35 cm: Angular pebble, 3 cm in diameter.

## Core Image

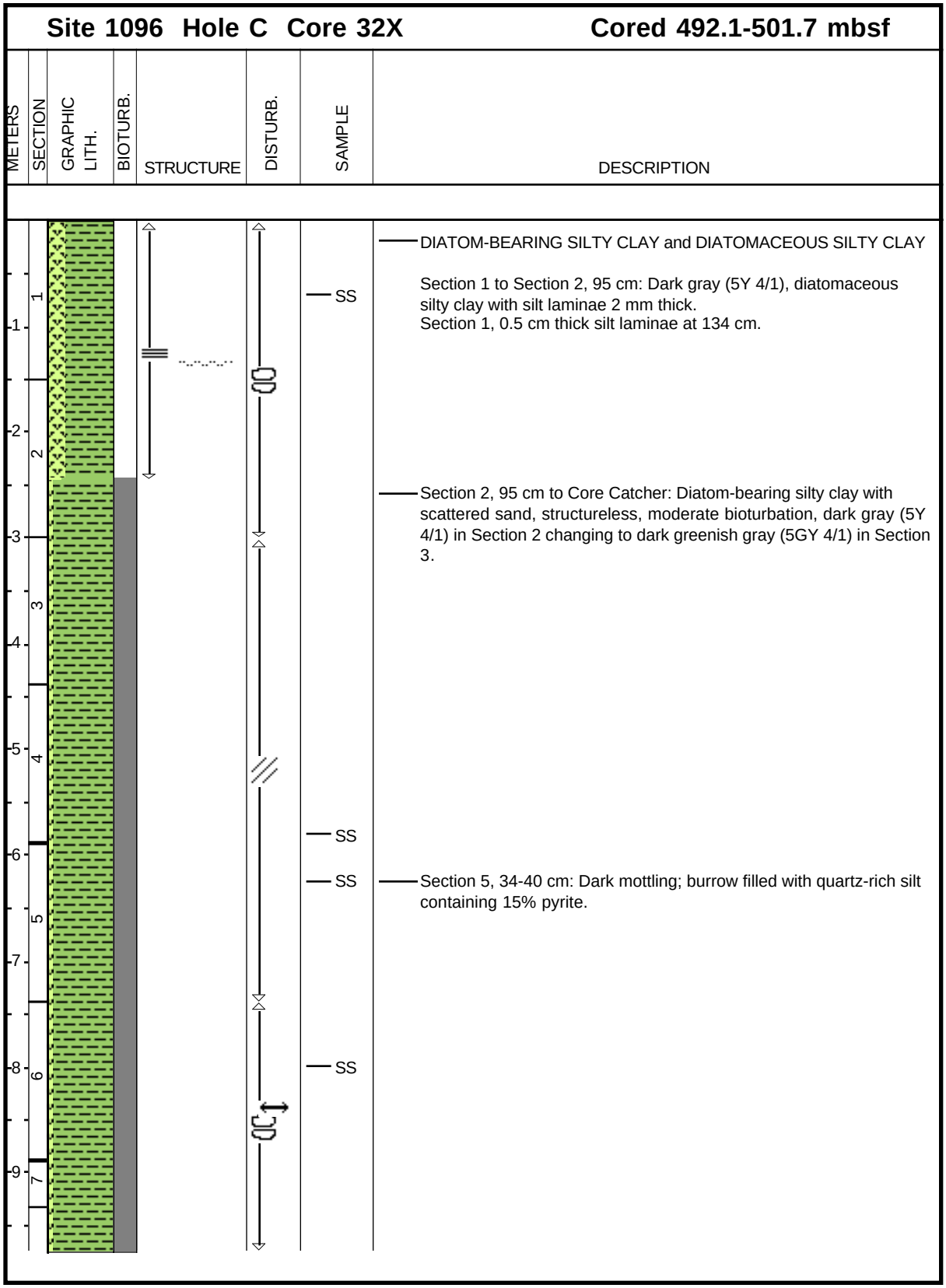



DIATOMACEOUS SILTY CLAY and DIATOM-BEARING SILTY CLAY

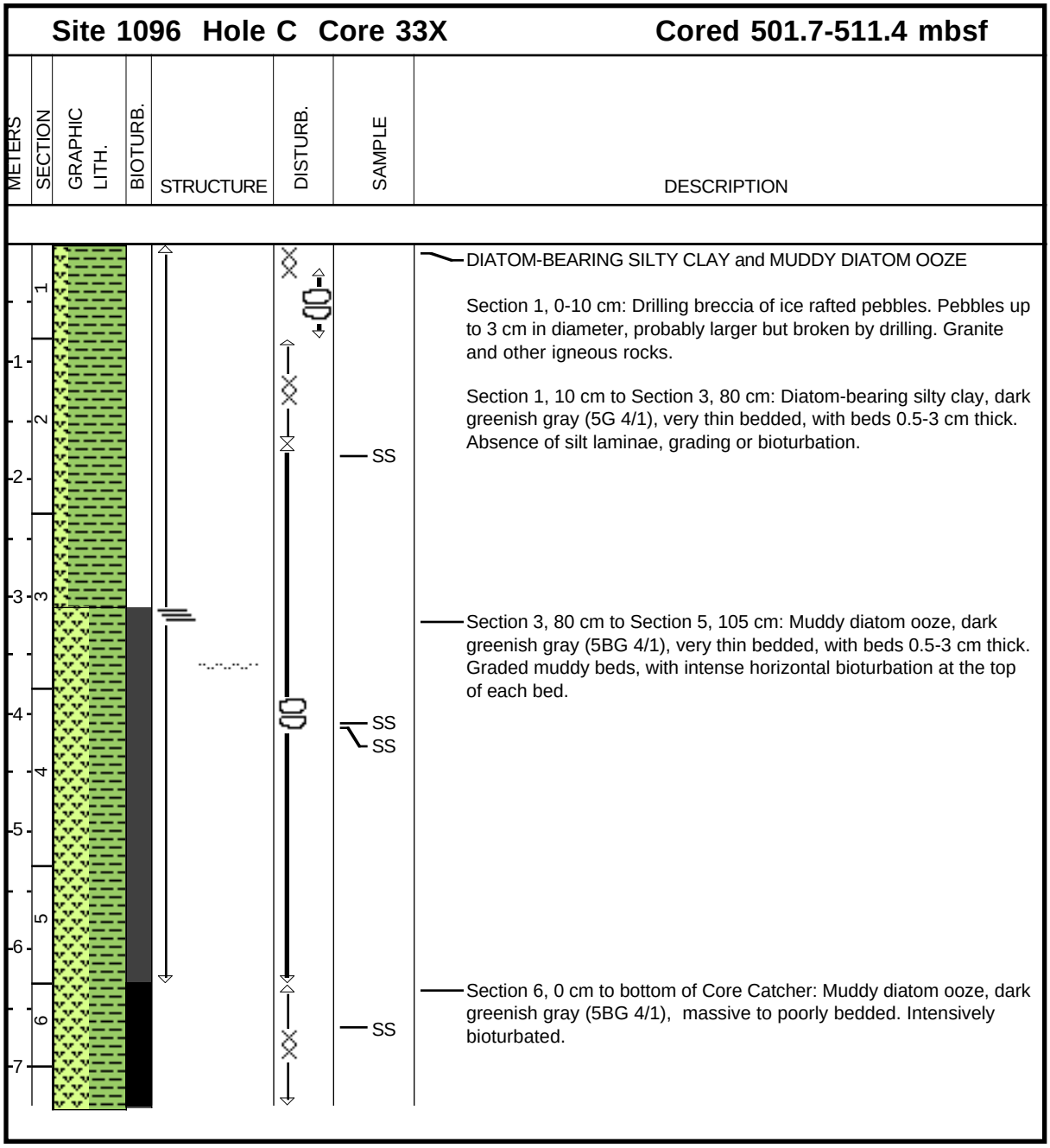
Section 1 to Section 2 at 119 cm: Structureless diatomaceous silty clay, dark greenish gray (5G 4/1). Abundant burrowing. Sand and pebble granules scattered throughout the section. In Section 1, larger pebbles (1.5-2 cm) occur at 46 and 137 cm (granite). In Section 2 larger granules (0.5 cm) occur between 34 and 35 cm. Pebbles are angular to subangular. Gradual lower contact to underlying unit.

Section 2, 119 cm to Section 7: Diatomaceous silty clay, dark gray (5Y 4/1). Finely laminated. Lamination is apparent by changes in color from darker to lighter gray, and by fracturing along bedding planes. No significant bioturbation observed. Apparent absence of sand/pebble granules. Diatom content decreases in Section 7 where sediments are diatom-bearing silty clays.

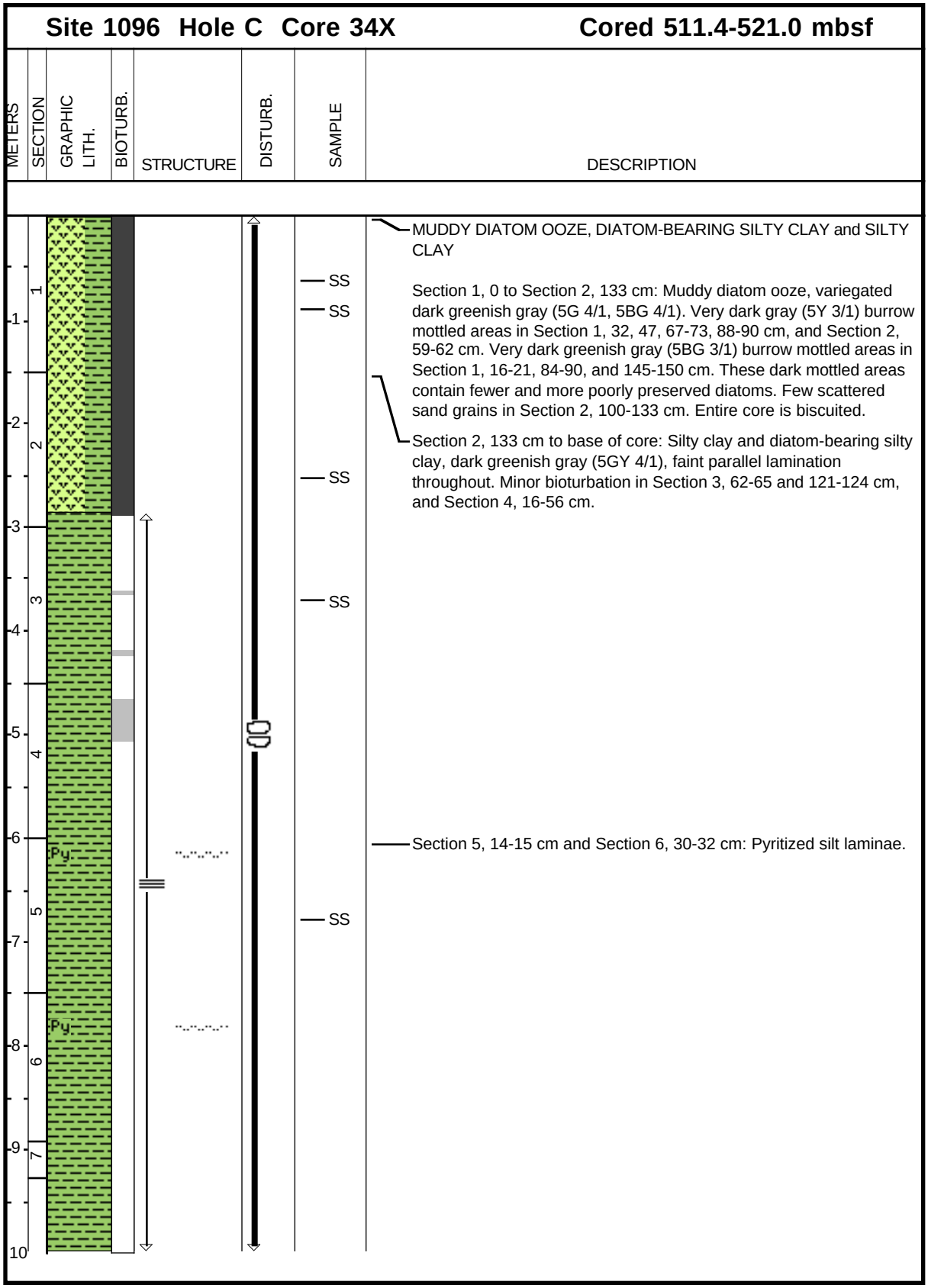
## Core Image


Site 1096 Hole C Core 32X
Cored 492.1-501.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM-BEARING SILTY CLAY and DIATOMACEOUS SILTY CLAY
Section 1 to Section 2, 95 cm: Dark gray (5Y 4/1), diatomaceous silty clay with silt laminae 2 mm thick.
Section 1, 0.5 cm thick silt laminae at 134 cm.
Section 2, 95 cm to Core Catcher: Diatom-bearing silty clay with scattered sand, structureless, moderate bioturbation, dark gray (5Y 4/1) in Section 2 changing to dark greenish gray (5GY 4/1) in Section 3.
Section 5, 34-40 cm: Dark mottling; burrow filled with quartz-rich silt containing 15% pyrite.
SS
SS
SS
SS

## Core Image


Site 1096 Hole C Core 33X
Cored 501.7-511.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
DIATOM-BEARING SILTY CLAY and MUDDY DIATOM OOZE
Section 1, 0-10 cm: Drilling breccia of ice rafted pebbles. Pebbles up to 3 cm in diameter, probably larger but broken by drilling. Granite and other igneous rocks.
Section 1, 10 cm to Section 3, 80 cm: Diatom-bearing silty clay, dark greenish gray (5G 4/1), very thin bedded, with beds 0.5-3 cm thick. Absence of silt laminae, grading or bioturbation.
Section 3, 80 cm to Section 5, 105 cm: Muddy diatom ooze, dark greenish gray (5BG 4/1), very thin bedded, with beds 0.5-3 cm thick. Graded muddy beds, with intense horizontal bioturbation at the top of each bed.
Section 6, 0 cm to bottom of Core Catcher: Muddy diatom ooze, dark greenish gray (5BG 4/1), massive to poorly bedded. Intensively bioturbated.

## Core Image


Site 1096 Hole C Core 34X
Cored 511.4-521.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
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SS
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SS
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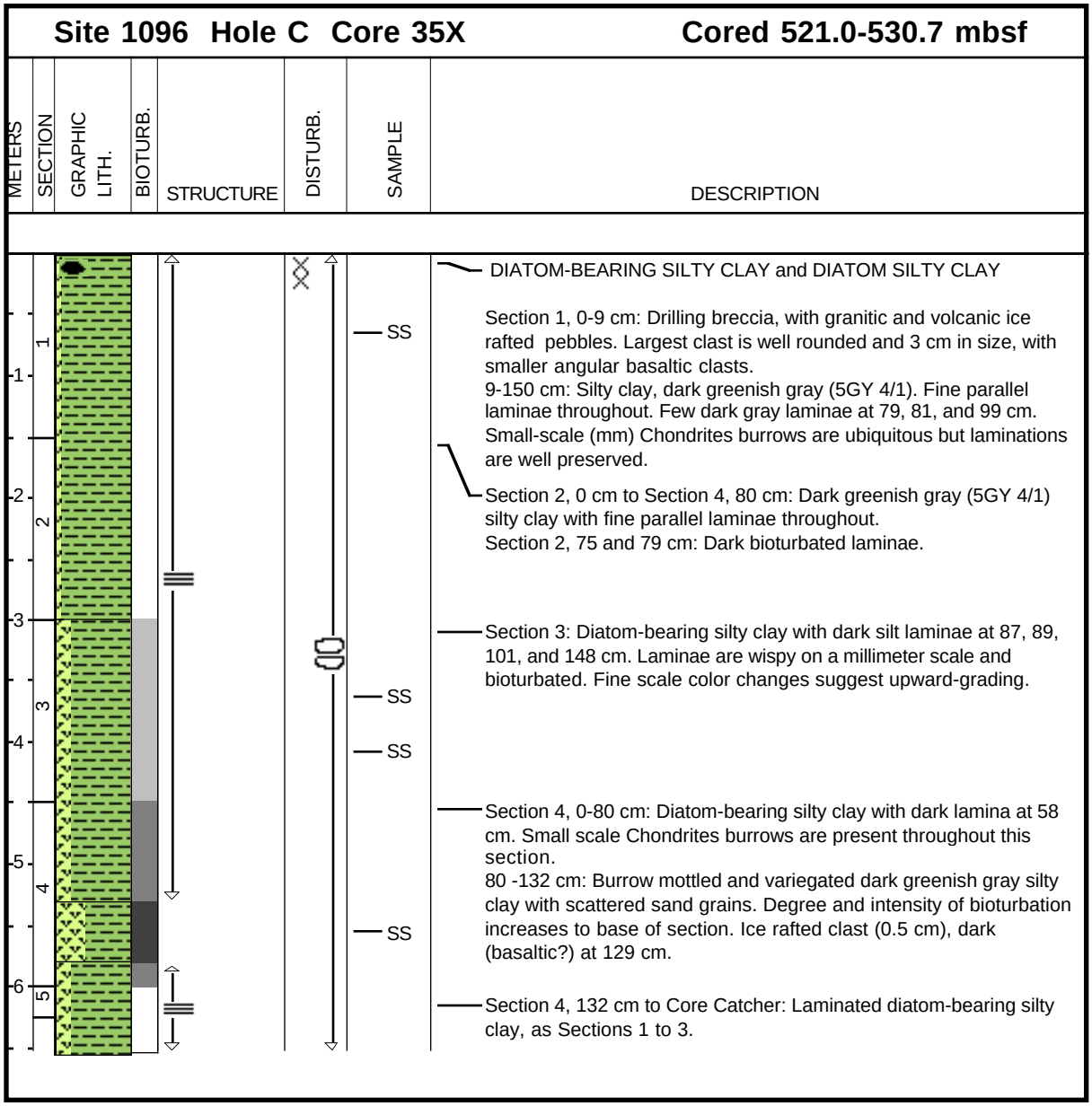
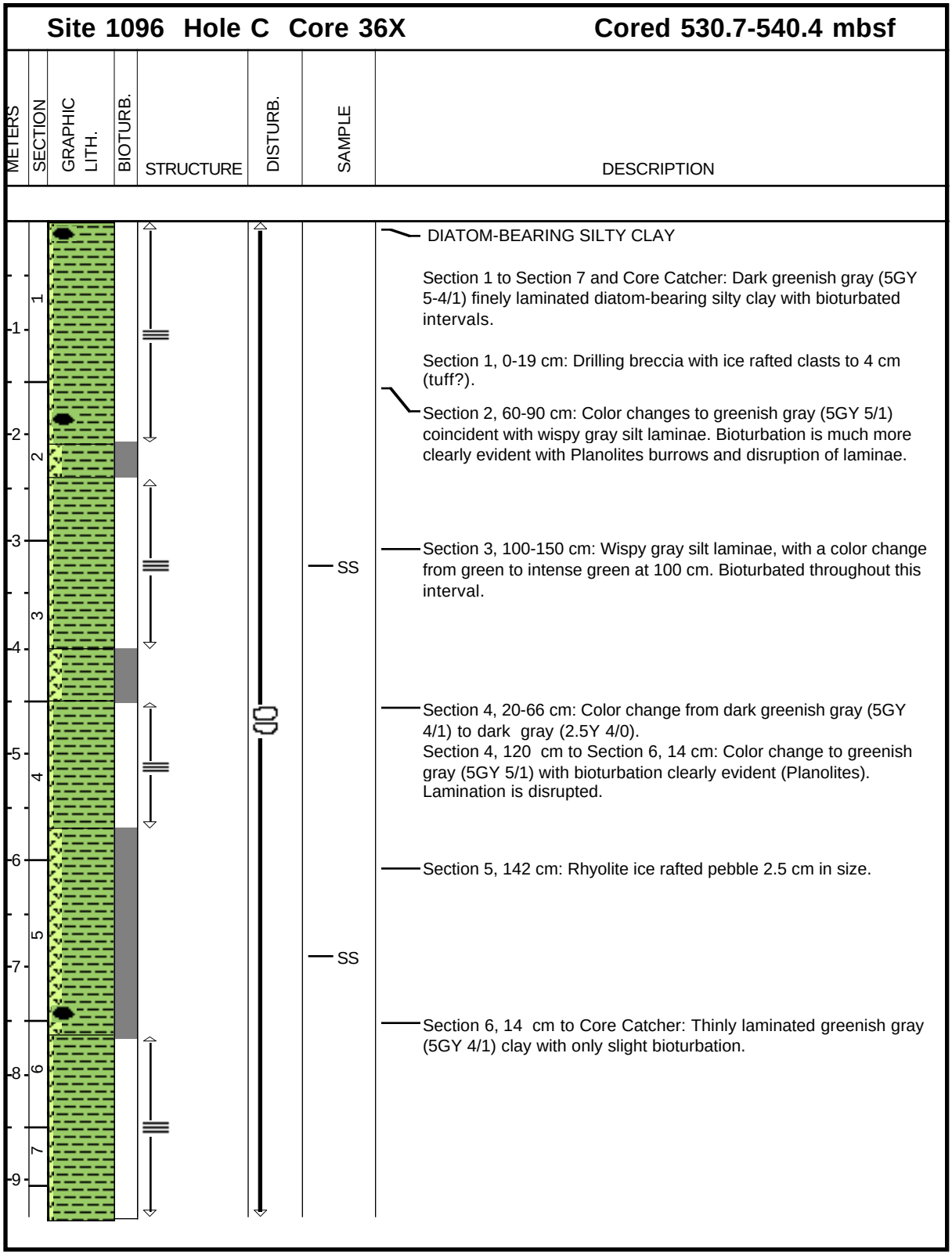
Py
MUDDY DIATOM OOZE, DIATOM-BEARING SILTY CLAY and SILTY CLAY
Section 1, 0 to Section 2, 133 cm: Muddy diatom ooze, variegated dark greenish gray (5G 4/1, 5BG 4/1). Very dark gray (5Y 3/1) burrow mottled areas in Section 1, 32, 47, 67-73, 88-90 cm, and Section 2, 59-62 cm. Very dark greenish gray (5BG 3/1) burrow mottled areas in Section 1, 16-21, 84-90, and 145-150 cm. These dark mottled areas contain fewer and more poorly preserved diatoms. Few scattered sand grains in Section 2, 100-133 cm. Entire core is biscuited.
Section 2, 133 cm to base of core: Silty clay and diatom-bearing silty clay, dark greenish gray (5GY 4/1), faint parallel lamination throughout. Minor bioturbation in Section 3, 62-65 and 121-124 cm, and Section 4, 16-56 cm.
Section 5, 14-15 cm and Section 6, 30-32 cm: Pyritized silt laminae.

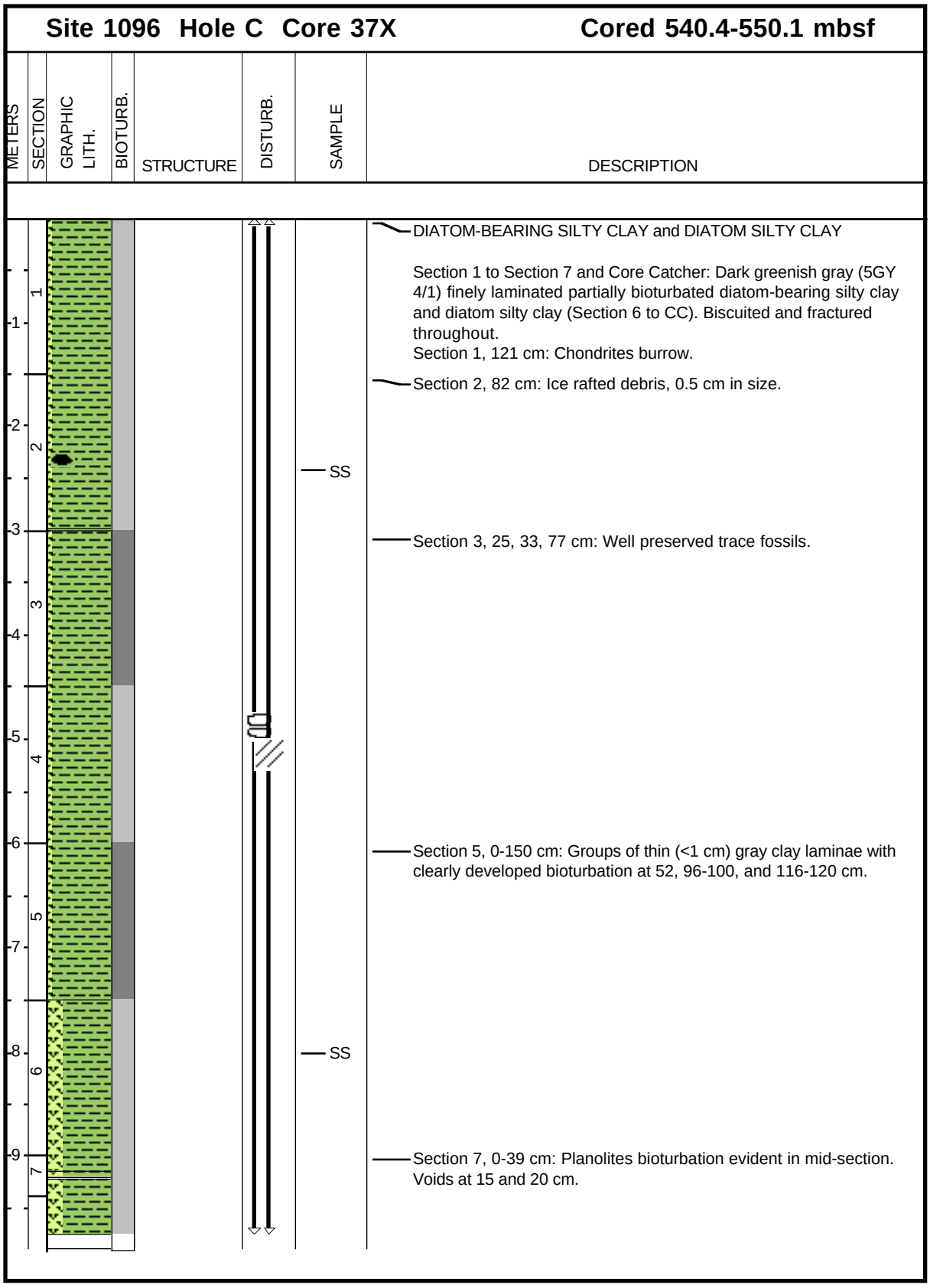
## Core Image


Site 1096 Hole C Core 35X
Cored 521.0-530.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
DIATOM-BEARING SILTY CLAY and DIATOM SILTY CLAY
Section 1, 0-9 cm: Drilling breccia, with granitic and volcanic ice rafted pebbles. Largest clast is well rounded and 3 cm in size, with smaller angular basaltic clasts.
9-150 cm: Silty clay, dark greenish gray (5GY 4/1). Fine parallel laminae throughout. Few dark gray laminae at 79, 81, and 99 cm. Small-scale (mm) Chondrites burrows are ubiquitous but laminations are well preserved.
Section 2, 0 cm to Section 4, 80 cm: Dark greenish gray (5GY 4/1) silty clay with fine parallel laminae throughout.
Section 2, 75 and 79 cm: Dark bioturbated laminae.
Section 3: Diatom-bearing silty clay with dark silt laminae at 87, 89, 101, and 148 cm. Laminae are wispy on a millimeter scale and bioturbated. Fine scale color changes suggest upward-grading.
Section 4, 0-80 cm: Diatom-bearing silty clay with dark lamina at 58 cm. Small scale Chondrites burrows are present throughout this section.
80 -132 cm: Burrow mottled and variegated dark greenish gray silty clay with scattered sand grains. Degree and intensity of bioturbation increases to base of section. Ice rafted clast (0.5 cm), dark (basaltic?) at 129 cm.
Section 4, 132 cm to Core Catcher: Laminated diatom-bearing silty clay, as Sections 1 to 3.

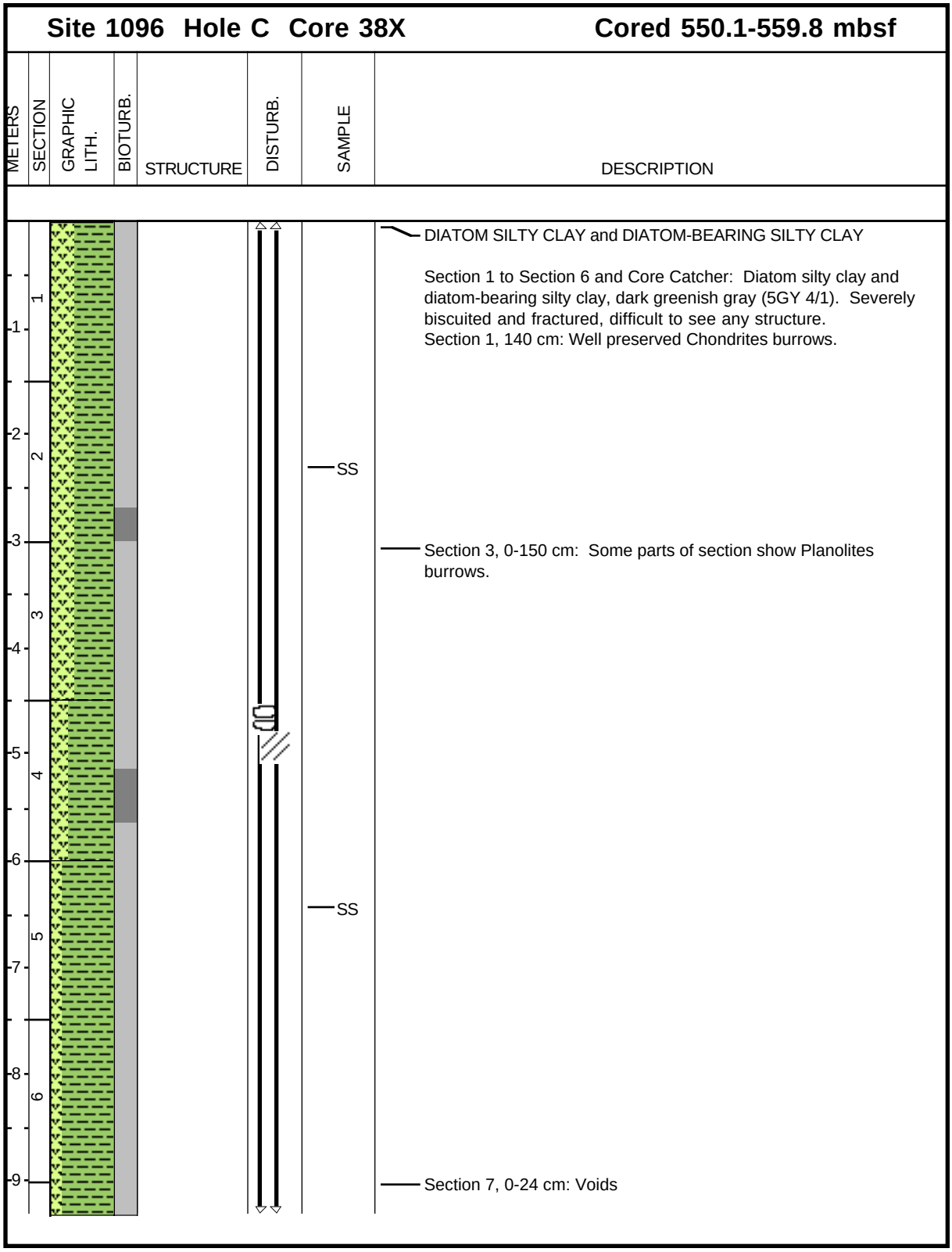
## Core Image


Site 1096 Hole C Core 36X
Cored 530.7-540.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM-BEARING SILTY CLAY
Section 1 to Section 7 and Core Catcher: Dark greenish gray (5GY 5-4/1) finely laminated diatom-bearing silty clay with bioturbated intervals.
Section 1, 0-19 cm: Drilling breccia with ice rafted clasts to 4 cm (tuff?).
Section 2, 60-90 cm: Color changes to greenish gray (5GY 5/1) coincident with wispy gray silt laminae. Bioturbation is much more clearly evident with Planolites burrows and disruption of laminae.
SS
Section 3, 100-150 cm: Wispy gray silt laminae, with a color change from green to intense green at 100 cm. Bioturbated throughout this interval.
Section 4, 20-66 cm: Color change from dark greenish gray (5GY 4/1) to dark gray (2.5Y 4/0).
Section 4, 120 cm to Section 6, 14 cm: Color change to greenish gray (5GY 5/1) with bioturbation clearly evident (Planolites). Lamination is disrupted.
Section 5, 142 cm: Rhyolite ice rafted pebble 2.5 cm in size.
SS
Section 6, 14 cm to Core Catcher: Thinly laminated greenish gray (5GY 4/1) clay with only slight bioturbation.

## Core Image

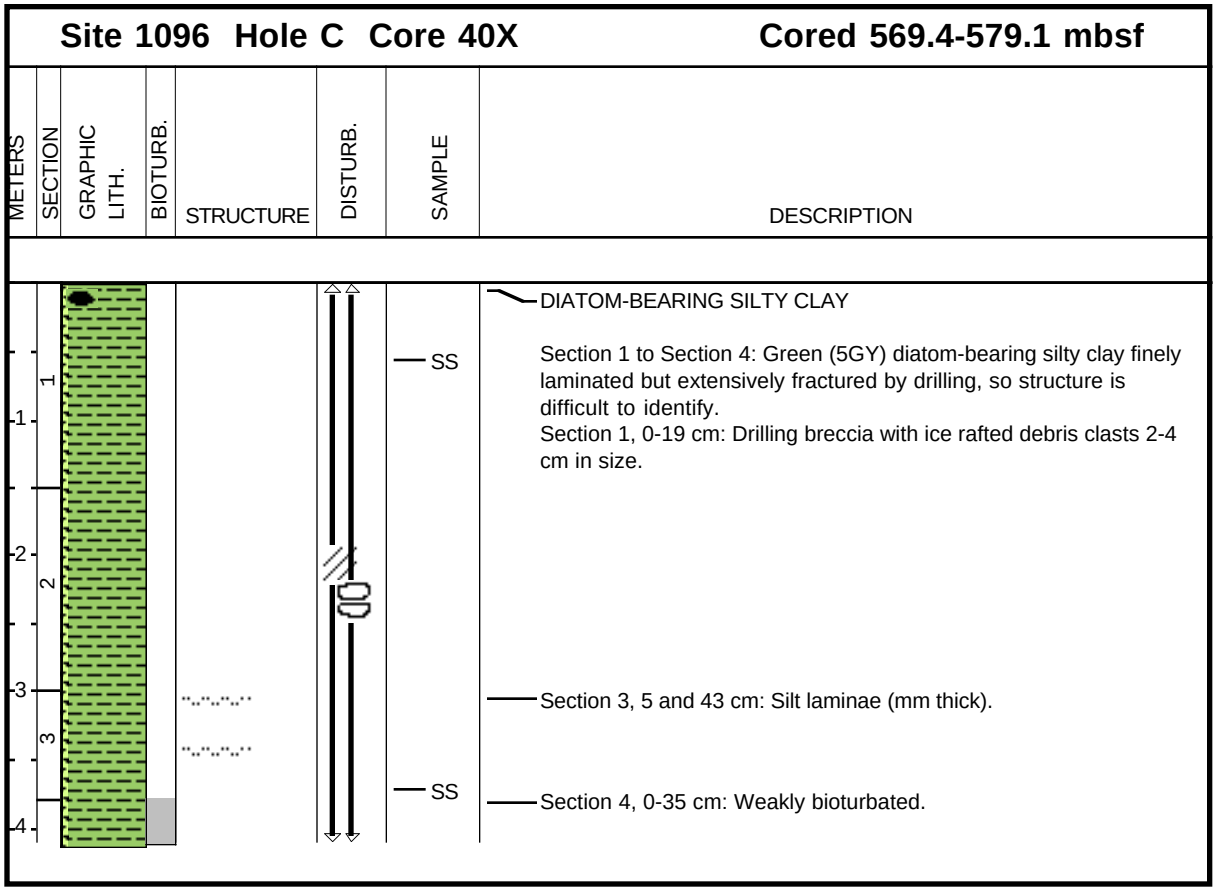

Site 1096 Hole C Core 37X
Cored 540.4-550.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM-BEARING SILTY CLAY and DIATOM SILTY CLAY
Section 1 to Section 7 and Core Catcher: Dark greenish gray (5GY 4/1) finely laminated partially bioturbated diatom-bearing silty clay and diatom silty clay (Section 6 to CC). Biscuited and fractured throughout.
Section 1, 121 cm: Chondrites burrow.
Section 2, 82 cm: Ice rafted debris, 0.5 cm in size.
SS
Section 3, 25, 33, 77 cm: Well preserved trace fossils.
Section 5, 0-150 cm: Groups of thin (<1 cm) gray clay laminae with clearly developed bioturbation at 52, 96-100, and 116-120 cm.
SS
Section 7, 0-39 cm: Planolites bioturbation evident in mid-section. Voids at 15 and 20 cm.

## Core Image

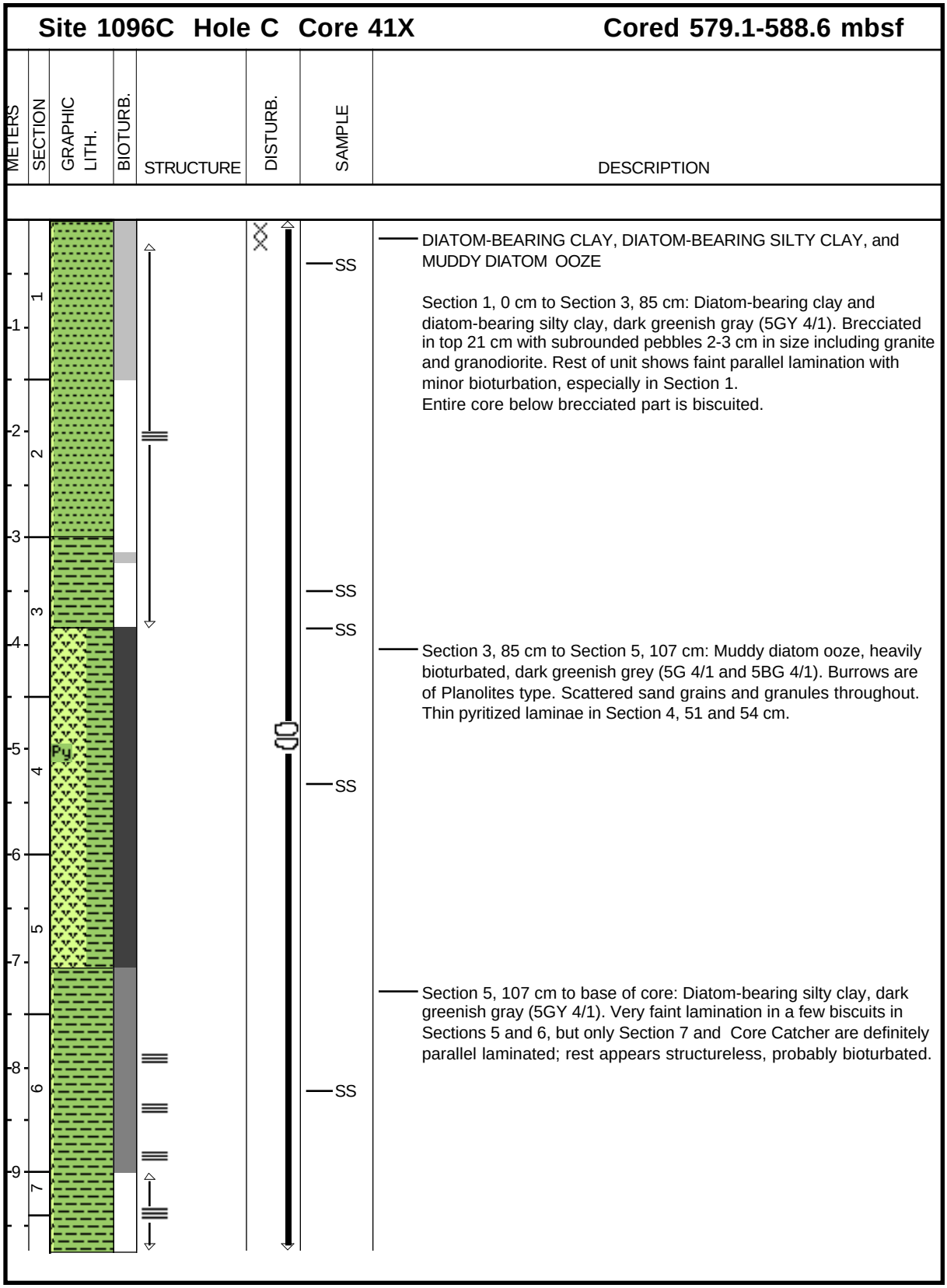



1096C-39X NO RECOVERY

## Core Image


Site 1096 Hole C Core 40X
Cored 569.4-579.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM-BEARING SILTY CLAY
Section 1 to Section 4: Green (5GY) diatom-bearing silty clay finely laminated but extensively fractured by drilling, so structure is difficult to identify.
Section 1, 0-19 cm: Drilling breccia with ice rafted debris clasts 2-4 cm in size.
SS
Section 3, 5 and 43 cm: Silt laminae (mm thick).
SS
Section 4, 0-35 cm: Weakly bioturbated.

## Core Image


Site 1096C Hole C Core 41X
Cored 579.1-588.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
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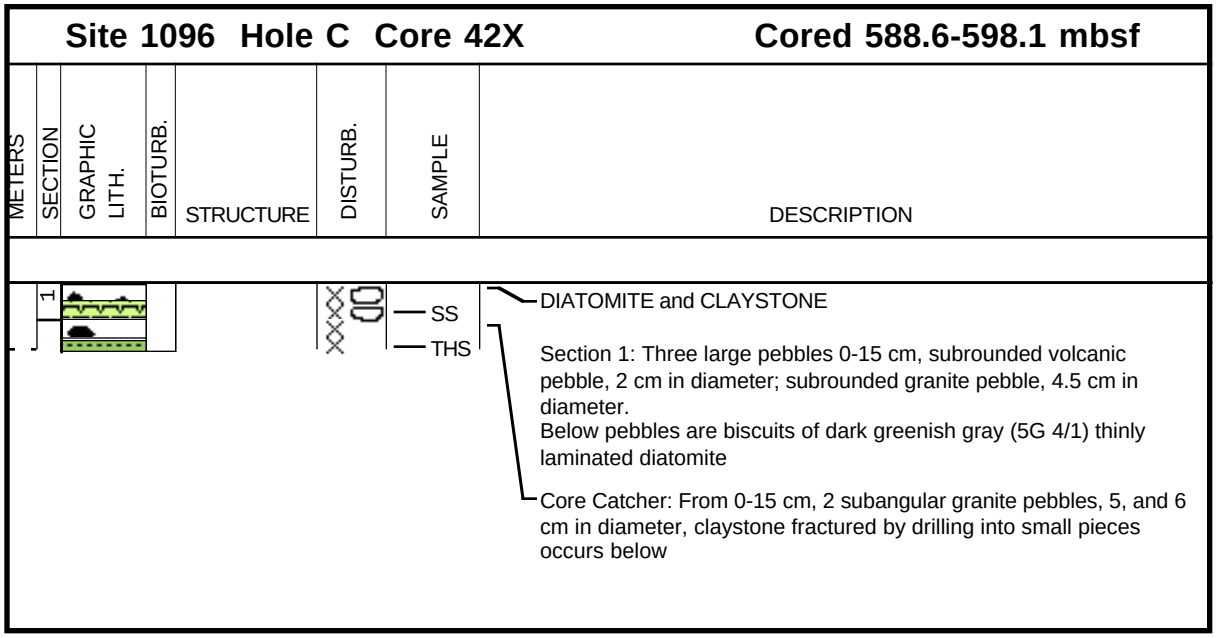
Py
DIATOM-BEARING CLAY, DIATOM-BEARING SILTY CLAY, and MUDDY DIATOM OOZE
Section 1, 0 cm to Section 3, 85 cm: Diatom-bearing clay and diatom-bearing silty clay, dark greenish gray (5GY 4/1). Brecciated in top 21 cm with subrounded pebbles 2-3 cm in size including granite and granodiorite. Rest of unit shows faint parallel lamination with minor bioturbation, especially in Section 1.
Entire core below brecciated part is biscuited.
Section 3, 85 cm to Section 5, 107 cm: Muddy diatom ooze, heavily bioturbated, dark greenish grey (5G 4/1 and 5BG 4/1). Burrows are of Planolites type. Scattered sand grains and granules throughout. Thin pyritized laminae in Section 4, 51 and 54 cm.
Section 5, 107 cm to base of core: Diatom-bearing silty clay, dark greenish gray (5GY 4/1). Very faint lamination in a few biscuits in Sections 5 and 6, but only Section 7 and Core Catcher are definitely parallel laminated; rest appears structureless, probably bioturbated.

## Core Image


Site 1096 Hole C Core 42X Cored 588.6-598.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
1
SS
THS
DIATOMITE and CLAYSTONE
Section 1: Three large pebbles 0-15 cm, subrounded volcanic pebble, 2 cm in diameter; subrounded granite pebble, 4.5 cm in diameter.
Below pebbles are biscuits of dark greenish gray (5G 4/1) thinly laminated diatomite
Core Catcher: From 0-15 cm, 2 subangular granite pebbles, 5, and 6 cm in diameter, claystone fractured by drilling into small pieces occurs below

| Note: 0.5 equal to tr. | | | | | | | | | | | Size | | | | | | Composition - Siliciclastic | | | | | | | | | | | | Composition - Biogenic | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Leg | Site | Hole | Core | Type | Section | Interval (cm) | Depth (mbsf) | Depth (mcd) | Described by | Major lithology (1) | Minor lithology (2) | Sand | Silt | sum {sand+silt} | Clay | sum {sand+silt+clay} | Quartz | Feldspar | Clay (too fine to identify) | Mica | Glauconite | Rock Fragments | Volcanic Glass | Acc. Minerals | Carbonate | Opaque | Framboids/micronodules | Other | Terrigenous (tot silcl.-clay counts) | Total clay + siliciclastic | Nannofossils | Foraminifers | Diatoms | Radiolarians | Coccolith | Silicoflagellates | Sponge Spicules | Shell debris | unidentified/other | Total Biogenic | Sediment or Rock Name |
| 1096 | A | 1 | H | 1 | 0 | 0.00 | | cjp | | 2 | 0 | 30 | | 70 | | | | 60.0 | | | | | | | | | | | 70.0 | | 0.5 | 30.0 | | | | | | | 30 | Diatom silty clay |
| 1096 | A | 1 | H | 1 | 30 | 0.30 | | cjp | | 2 | 0 | 20 | | 80 | | | | | | | | | | | | | | | 98 | | 0.5 | 2.0 | | | | | | | 2 | clay |
| 1096 | A | 1 | H | 1 | 130 | 1.30 | | cjp | 1 | | 0 | 20 | | 80 | | | | 80.0 | | | | | | | | | | | 100 | | 0.5 | 0.5 | | | | | | | 0 | clay |
| 1096 | A | 1 | H | 2 | 130 | 2.80 | | cjp | 1 | | 0 | 20 | | 80 | | | | | | | | | | | | | | | 99 | | 0.5 | 1.0 | | | | | | | 1 | clay |
| 1096 | A | 1 | H | 4 | 130 | 5.80 | | cjp | 1 | | 0 | 20 | | 80 | | | | 80.0 | | | | | | | | | | | 99 | | 0.5 | 1.0 | | | | | | | 1 | clay |
| 1096 | A | 1 | H | 6 | 30 | 7.30 | | cjp | 1 | | 1 | 25 | | 74 | | | | 74.0 | | | | | | | | | | | 99 | | 1.0 | 0.5 | | | | | | | 1 | silty clay |
| 1096 | A | 2 | H | 1 | 3 | 7.73 | | ce | | 2 | 5 | 20 | | 75 | | 20.0 | 10.0 | 35.0 | | | | # # | 5.0 | | | | | | 100 | | | | | | | | | | 0 | ashy silty clay |
| 1096 | A | 2 | H | 1 | 30 | 8.00 | | ce | 1 | | 1 | 30 | | 69 | | 25.0 | 5.0 | 63.0 | | | | | 1.0 | | 3.0 | | 3.0 | | 100 | | | | | | | | | | 0 | silty clay |
| 1096 | A | 2 | H | 3 | 30 | 11.00 | | ce | 1 | | 0 | 20 | | 80 | | 15.0 | 5.0 | 74.0 | 3.0 | | | | | | 2.0 | | | | 99 | | 1.0 | | | | | | | | 1 | silty clay |
| 1096 | A | 2 | H | 4 | 80 | 13.00 | | ce | 1 | | 3 | 20 | | 77 | | 20.0 | 5.0 | 51.0 | 2.0 | | | | | | 3.0 | | 5.0 | | 86 | | 3.0 | 10.0 | | | | 1.0 | | | 14 | diatom-bearing silty clay |
| 1096 | A | 2 | H | 4 | 125 | 13.45 | | ce | 1 | | 20 | 50 | | 30 | | 10.0 | | 22.0 | | | | | | 5.0 | | | | | 37 | | 40.0 | 20.0 | | | | 3.0 | | | 63 | diatom-bearing foraminiferal silty mud |
| 1096 | A | 2 | H | 5 | 22 | 13.92 | | ce | 1 | | 2 | 25 | | 73 | | 20.0 | 5.0 | 66.0 | | | | | | | | | 5.0 | | 96 | | | 3.0 | | | | 1.0 | | | 1 | silty clay |
| 1096 | A | 2 | H | 6 | 80 | 16.00 | | ce/cjp | 1 | | 3 | 30 | | 67 | | 30.0 | 15.0 | 20.0 | | | | | 2.0 | | 2.0 | | 1.0 | | 70 | | | 30.0 | | | | | | | 30 | diatom silty clay |
| 1096 | A | 2 | H | 6 | 104 | 16.24 | | eac | | 2 | 1 | 30 | | 69 | | 16.0 | 5.0 | 70.0 | | | | | | | 5.0 | | | | 96 | | | 4.0 | | | | | | | 4 | silty clay |
| 1096 | A | 2 | H | 7 | 40 | 17.10 | | ce | 1 | | 1 | 20 | | 79 | | 10.0 | 5.0 | 78.0 | 3.0 | | | | | | 2.0 | | | | 98 | | 1.0 | 1.0 | | | | | | | 2 | silty clay |
| 1096 | A | 3 | H | 2 | 64 | 19.34 | | ce | 1 | | 1 | 20 | | 79 | | 15.0 | 5.0 | 81.0 | 2.0 | | | | | | 3.0 | | | | 96 | | 0.5 | 3.0 | | | | 1.0 | | | 4 | silty clay |
| 1096 | A | 3 | H | 3 | 55 | 20.75 | | ce | 1 | | 0 | 20 | | 80 | | 20.0 | 5.0 | 67.0 | | | | | | | 1.0 | 1.0 | | | 90 | | | 8.0 | 1.0 | | | 1.0 | | | 10 | silty clay |
| 1096 | A | 3 | H | 5 | 100 | 24.20 | | ce | 1 | | 0 | 30 | | 70 | | 25.0 | 5.0 | 64.0 | | | | | 2.0 | 1.0 | 3.0 | | | | 100 | | | | | | | | | | 0 | silty clay |
| 1096 | A | 3 | H | 6 | 6 | 24.76 | | ce | | 2 | 0 | 15 | | 85 | | 30.0 | 5.0 | 54.0 | 5.0 | | | | 1.0 | 1.0 | | | | | 91 | | | 3.0 | | | | | | | 1 | silty clay |
| 1096 | A | 3 | H | 6 | 44 | 25.14 | | ce | 1 | | 0 | 30 | | 70 | | 20.0 | 10.0 | 69.0 | | | | | | 1.0 | | | | | 100 | | | | | | | | | | 0 | silty clay |
| 1096 | A | 4 | H | 2 | 93 | 27.63 | | wlf | 1 | | 1 | 10 | | 89 | | 35.0 | 15.0 | 26.0 | 5.0 | | # # | | | | 2.0 | | 5.0 | | 100 | | | | | | | | | | 0 | clay |
| 1096 | A | 4 | H | 3 | 60 | 30.30 | | wlf | 1 | | 3 | 22 | | 75 | | 25.0 | 15.0 | 27.0 | 5.0 | | | | | | 3.0 | 2.0 | | 5.0 | 92 | | | 5.0 | | | | 3.0 | | | 8 | silty clay |
| 1096 | A | 4 | H | 4 | 52 | 31.72 | | wlf | 1 | | 1 | 19 | | 80 | | 20.0 | 10.0 | 23.0 | 5.0 | | 8.0 | | | | 1.0 | 3.0 | | # # | 80 | | | 15.0 | | | | 5.0 | | | 20 | diatom-bearing clay |
| 1096 | A | 4 | H | 4 | 113 | 32.33 | | wlf | | 2 | 20 | 10 | | 70 | | 5.0 | 2.0 | 54.0 | 1.0 | | 2.0 | | | | # # | 1.0 | | 5.0 | 80 | | 20.0 | | | | | | | | 20 | foraminiferal-bearing clayey mud |
| 1096 | A | 6 | H | 2 | 108 | 48.28 | | wlf | 1 | | 5 | 30 | | 65 | | 10.0 | 5.0 | 43.0 | 2.0 | | 5.0 | | | | | 1.0 | | 5.0 | 75 | | 20.0 | | | 3.0 | | 2.0 | | | 25 | foraminiferal-bearing silty clay |
| 1096 | A | 6 | H | 6 | 27 | 53.47 | | wlf | | 2 | 15 | 25 | | 60 | | 10.0 | 5.0 | 40.0 | 2.0 | | 5.0 | | | | | 1.0 | | 5.0 | 68 | | 20.0 | 3.0 | | 4.0 | | 5.0 | | | 32 | foraminiferal-bearing clayey mud |
| 1096 | A | 7 | H | 2 | 73 | 57.43 | | wlf | 1 | | 1 | 14 | | 85 | | 12.0 | 8.0 | 48.0 | 3.0 | | 8.0 | | | | | 1.0 | | # # | 95 | | 5.0 | | | | | | | | 5 | clay |
| 1096 | A | 7 | H | 6 | 87 | 63.07 | | wlf | | 2 | 1 | 35 | | 64 | | 12.0 | 8.0 | 58.0 | 3.0 | | 5.0 | | | | 2.0 | | | 5.0 | 83 | | 10.0 | 2.0 | | | | 5.0 | | | 17 | foraminiferal-bearing silty clay |
| 1096 | A | 8 | H | 4 | 71 | 69.91 | | wlf | 1 | | 0 | 10 | | 90 | | 10.0 | 5.0 | 53.0 | 2.0 | | # # | | | | # # | | | # # | 100 | | | | | | | | | | 0 | clay |
| 1096 | A | 8 | H | 4 | 123 | 70.43 | | wlf | 1 | | 1 | 24 | | 75 | | 20.0 | 10.0 | 31.0 | 2.0 | | # # | | | | 5.0 | 3.0 | | 5.0 | 96 | | | 2.0 | | | | 2.0 | | | 4 | silty clay |
| 1096 | A | 8 | H | 5 | 40 | 71.10 | | wlf | 1 | | 2 | 28 | | 70 | | 30.0 | 20.0 | 22.0 | 5.0 | | # # | | | | 5.0 | 1.0 | | 5.0 | 98 | | | | | | | 2.0 | | | 2 | silty clay |
| 1096 | A | 8 | H | 5 | 51 | 71.21 | | wlf | | 2 | 5 | 35 | | 60 | | 10.0 | 5.0 | 43.0 | 2.0 | | # # | | 4.0 | | | 2.0 | | # # | 86 | | 10.0 | 2.0 | | | | 2.0 | | | 14 | silty clay |
| 1096 | A | 8 | H | 5 | 98 | 71.68 | | wlf | 1 | | 2 | 28 | | 70 | | 30.0 | 15.0 | 29.0 | 3.0 | | # # | | | | 5.0 | 3.0 | | 5.0 | 100 | | | | | | | | | | 0 | silty clay |
| 1096 | A | 9 | H | 3 | 110 | 78.30 | | ce | | 2 | 3 | 25 | | 72 | | 25.0 | 5.0 | 63.0 | | | | | 1.0 | 5.0 | 1.0 | | | | 100 | | | | | | | | | | 0 | silty clay |
| 1096 | A | 9 | H | 6 | 86 | 81.34 | | ce | 1 | | 2 | 20 | | 78 | | 20.0 | 5.0 | 65.0 | | | | | | | 3.0 | | 2.0 | | 95 | | | 4.0 | 1.0 | | | 1.0 | | | 5 | silty clay |
| 1096 | A | 9 | H | 6 | 130 | 81.78 | | cjp | | 2 | 2 | 30 | | 68 | | | | | | | | | | | | | | | 92 | 1.0 | 5.0 | 2.0 | | | | 0.5 | | | 8 | silty clay |
| 1096 | A | 10 | H | 2 | 137 | 86.57 | | ce | 1 | | 0 | 25 | | 75 | | 20.0 | 40.0 | 34.0 | | | | | 2.0 | | 3.0 | | 1.0 | | 100 | | 0.5 | | | | | | | | 0 | silty clay |
| 1096 | A | 11 | H | 2 | 50 | 95.20 | | cjp | 1 | | 0 | 20 | | 80 | | | | 80.0 | | | | | | | 1.0 | | | | 94 | 0.5 | 1.0 | 5.0 | | | | | | | 6 | clay |
| 1096 | A | 11 | H | 3 | 14 | 96.34 | | cjp | 1 | | 1 | 25 | | 74 | | | | 75.0 | | | | | | | | | | | 97 | 0.5 | 1.0 | 2.0 | | | | | | | 3 | silty clay |
| 1096 | A | 11 | H | 3 | 81 | 97.01 | | cjp | | 2 | 10 | 90 | | 0 | | 60.0 | 10.0 | | | | # # | | 5.0 | 2.0 | | | | | 98 | | 0.5 | | | | | 2.0 | | | 2 | silt |
| 1096 | A | 11 | H | 4 | 80 | 98.50 | | cjp | 1 | | 0 | 20 | | 80 | | | | 80.0 | | | | | | | | | | | 98 | 0.5 | 1.0 | 1.0 | | | | | | | 2 | clay |
| 1096 | A | 11 | H | 5 | 80 | 100.00 | | cjp | 1 | | 0 | 20 | | 80 | | | | | | | | | | | | | | | 98 | 0.5 | 1.0 | 1.0 | | | | | | | 2 | clay |
| 1096 | A | 11 | H | 6 | 27 | 100.97 | | cjp | | 2 | 2 | 93 | | 5 | | 40.0 | 10.0 | 0.0 | | | 3.0 | | 2.0 | # # | 2.0 | | | | 97 | | | 2.0 | | | | 1.0 | | | 3 | silt |
| 1096 | A | 11 | H | 6 | 80 | 101.50 | | cjp | 1 | | 0 | 30 | | 70 | | | | 70.0 | | | | | | | | | | | 98 | 0.5 | 1.0 | 1.0 | | | | | | | 2 | silty clay |

| Note: 0.5 equal to tr. | | | | | | | | | | | | Size | | | | | | Composition - Siliciclastic | | | | | | | | | | | | | Composition - Biogenic | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Leg | Site | Hole | Core | Type | Section | Interval (cm) | Depth (mbsf) | Depth (mcd) | Described by | Major lithology (1) | Minor lithology (2) | Sand | Silt | sum {sand+silt} | Clay | sum {sand+silt+clay} | Quartz | Feldspar | Clay (too fine to identify) | Mica | Glauconite | Rock Fragments | Volcanic Glass | Acc. Minerals | Carbonate | Opaque | Framboids/micronodules | Other | Terrigenous (tot silicl.-clay counts) | Total clay + siliciclastic | Nannofossils | Foraminifers | Diatoms | Radiolarians | Coccolith | Silicoflagellates | Sponge Spicules | Shell debris | unidentified/other | Total Biogenic | Sediment or Rock Name |
| 1096 | A | 13 | H | 2 | 95 | 114.39 | | eac | | | 0 | 8 | | 92 | | 6.0 | | 92.0 | | | | | | | | | | 2.0 | | 100 | | | | | | | 0.5 | | | 0 | clay |
| 1096 | A | 14 | H | 1 | 89 | 122.59 | | am | 1 | | 0 | 10 | | 90 | | 5.0 | | 80.0 | | | 5.0 | | | | | | | | | 100 | | | | | | | | | | 0 | clay |
| 1096 | A | 14 | H | 2 | 38 | 123.58 | | am | 1 | | 15 | 60 | | 25 | | 5.0 | | 16.0 | | | | | 3.0 | | | | | # # | | 92 | | 5.0 | | | | | 3.0 | | | 8 | silty mud |
| 1096 | A | 14 | H | 3 | 80 | 125.50 | | am | 1 | | 3 | 30 | | 67 | | 10.0 | | 60.0 | | | | # # | | | | | | # # | | 100 | | | | | | | | | | 0 | silty clay |
| 1096 | A | 14 | H | 4 | 28 | 126.48 | | am | 1 | | 40 | 30 | | 30 | | 30.0 | 10.0 | 57.0 | | | | 3.0 | | | | | | | | 100 | | | | | | | | | | 0 | silty mud |
| 1096 | A | 14 | H | 6 | 26 | 129.46 | | am | 1 | | 0 | 30 | | 70 | | 20.0 | 5.0 | 75.0 | | | | | | | | | | | | 100 | | | | | | | | | | 0 | silty clay |
| 1096 | A | 15 | H | 1 | 115 | 132.35 | | ce | 1 | | 0 | 25 | | 75 | | 20.0 | 10.0 | 64.0 | 2.0 | | | | | | | 3.0 | | 1.0 | | 97 | | | 3.0 | | | | | | | 3 | silty clay |
| 1096 | A | 15 | H | 2 | 97 | 133.67 | | ce | | 2 | 10 | 25 | | 65 | | 30.0 | 10.0 | 50.0 | 2.0 | | | | | | | | | 8.0 | | 91 | | | 8.0 | | | | 1.0 | | | 9 | silty clay |
| 1096 | A | 15 | H | 2 | 116 | 133.86 | | ce | | 2 | 0 | 25 | | 75 | | | | 15.0 | | | | | | | # # | | | | | 95 | | | 5.0 | | | | | | | 5 | silty clay |
| 1096 | A | 15 | H | 3 | 8 | 134.28 | | ce | | 2 | 0 | 40 | | 60 | | 30.0 | 15.0 | 45.0 | | | | | | | | | | 4.0 | | 94 | | | 5.0 | | | | 2.0 | | | 7 | silty clay |
| 1096 | A | 15 | H | 3 | 130 | 135.50 | | ce | 1 | | 0 | 15 | | 85 | | 20.0 | 15.0 | 60.0 | | | | | | | 3.0 | 2.0 | | | | 100 | | | | | | | | | | 0 | clay |
| 1096 | A | 15 | H | 4 | 120 | 136.90 | | ce | 1 | | 0 | 30 | | 70 | | 25.0 | 5.0 | 70.0 | | | | | | | | | | | | 100 | | | | | | | | | | 0 | silty clay |
| 1096 | A | 15 | H | 5 | 75 | 137.95 | | ce | 1 | | 0 | 30 | | 70 | | 30.0 | 5.0 | 60.0 | | | | | | | 5.0 | | | | | 100 | | | | | | | | | | 0 | silty clay |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1096 | B | 1 | H | 1 | 0 | 0.00 | | eac | | 2 | 1 | 25 | | 74 | | 13.0 | 2.0 | 64.0 | 1.0 | | | | | | | | | | | 8 | | 1.0 | 18.0 | 1.0 | | | 0.5 | | | 20 | diatom-bearing silty clay |
| 1096 | B | 1 | H | 2 | 40 | 1.90 | | eac | 1 | | 0 | 10 | | 90 | | 8.0 | 1.0 | 80.0 | | | | | | | | | | 1.0 | | 90 | | | 10.0 | | | | | | | 10 | diatom-bearing clay |
| 1096 | B | 1 | H | 3 | 40 | 3.40 | | eac | 1 | | 0 | 20 | | 80 | | 10.0 | 4.0 | 80.0 | | | | | | 0.5 | | | | 1.0 | | 95 | | | 5.0 | | | | 0.5 | | | 5 | silty clay |
| 1096 | B | 2 | H | 2 | 70 | 6.00 | | eac | 1 | | 0 | 30 | | 70 | | 20.0 | 3.0 | 70.0 | 1.0 | | | | | 0.5 | | | | 1.0 | | 95 | | | 5.0 | | | | 0.5 | | | 5 | silty clay |
| 1096 | B | 2 | H | 3 | 7 | 6.87 | | cjp | 1 | | 1 | 30 | | 69 | | | | | | | | | | | | | | | | 97 | | 1.0 | 2.0 | | | | | | | 3 | silty clay |
| 1096 | B | 2 | H | 3 | 140 | 8.20 | | cjp | | 2 | 1 | 40 | | 59 | | | | | | | | | | | | | | | | 78 | 2.0 | 5.0 | 15.0 | | | | | | | 22 | diatom-bearing sity clay |
| 1096 | B | 2 | H | 4 | 30 | 8.60 | | ce | | 2 | 5 | 25 | | 70 | | 15.0 | 3.0 | 75.0 | 1.0 | | | | | | | | | 1.0 | | 69 | 3.0 | 10.0 | 15.0 | 1.0 | | | 2.0 | | | 31 | diatom-bearing and foram bearing clay |
| 1096 | B | 2 | H | 4 | 51 | 8.81 | | eac | | 2 | 0 | 35 | | 65 | | 27.0 | 5.0 | 65.0 | 1.0 | | | | | 1.0 | | | | 1.0 | | 100 | | 0.5 | 0.5 | | | | | | | 0 | silty clay |
| 1096 | B | 2 | H | 5 | 40 | 10.14 | | ce | 1 | | 0 | 20 | | 80 | | 20.0 | 3.0 | 75.0 | | | | | | | 2.0 | | | | | 98 | | | 2.0 | 0.5 | | | 0.5 | | | 2 | silty clay |
| 1096 | B | 2 | H | 6 | 103 | 12.27 | | eac | | 2 | 1 | 20 | | 79 | | 15.0 | 5.0 | 79.0 | | | | | | | | | | 1.0 | | 97 | 0.5 | 2.0 | 1.0 | | | | | | | 3 | clay |
| 1096 | B | 3 | H | 1 | 140 | 14.70 | | wlf | 1 | | 0 | 25 | | 75 | | 12.0 | 4.0 | 53.0 | 2.0 | | 5.0 | | | | | 2.0 | | 2.0 | | 80 | | | 12.0 | | | 2.0 | 6.0 | | | 20 | diatom-bearing silty clay |
| 1096 | B | 3 | H | 2 | 26 | 15.06 | | wlf | | 2 | 5 | 30 | | 65 | | 18.0 | 8.0 | 42.0 | 3.0 | | 5.0 | | | | # # | 2.0 | | 5.0 | | 93 | | | 5.0 | | | | 2.0 | | | 7 | silty clay |
| 1096 | B | 3 | H | 2 | 45 | 15.25 | | wlf | 1 | | 5 | 35 | | 60 | | 28.0 | 15.0 | 25.0 | 5.0 | | # # | | | | 3.0 | 2.0 | | 5.0 | | 92 | | | 5.0 | | | | 3.0 | | | 8 | silty clay |
| 1096 | B | 3 | H | 6 | 74 | 21.54 | | wlf | 1 | | 1 | 19 | | 80 | | 18.0 | 12.0 | 37.0 | 3.0 | | # # | | | | 5.0 | 2.0 | | 5.0 | | 94 | | | 2.0 | | 2.0 | | 2.0 | | | 6 | clay |
| 1096 | B | 3 | H | 6 | 133 | 22.13 | | wlf | 1 | | 0 | 30 | | 70 | | 15.0 | 7.0 | 59.0 | 1.0 | | 3.0 | | | | 2.0 | 1.0 | | 5.0 | | 93 | | | 2.0 | | 3.0 | | 2.0 | | | 7 | silty clay |
| 1096 | B | 4 | H | 2 | 70 | 25.00 | | wlf | 1 | | 0 | 15 | | 85 | | 15.0 | 8.0 | 64.0 | 3.0 | | 2.0 | | | | 2.0 | 1.0 | | 5.0 | | 100 | | | | | | | | | | 0 | clay |
| 1096 | B | 4 | H | 6 | 90 | 29.85 | | wlf | 1 | | 10 | 30 | | 60 | | 15.0 | 10.0 | 25.0 | 3.0 | | # # | | | | # # | 2.0 | | 5.0 | | 80 | | | 17.0 | | | | 3.0 | | | 20 | diatom-bearing clayey mud |
| 1096 | B | 4 | H | 7 | 40 | 31.15 | | wlf | 1 | | 0 | 30 | | 70 | | 25.0 | 15.0 | 27.0 | 3.0 | | # # | | | | | 2.0 | | 5.0 | | 87 | | | 10.0 | | | | 3.0 | | | 13 | diatom-bearing silty clay |
| 1096 | B | 5 | H | 2 | 120 | 35.00 | | wlf | 1 | | 2 | 28 | | 70 | | 25.0 | 15.0 | 17.0 | 5.0 | | # # | | | | | 5.0 | 2.0 | # # | | 91 | | | 6.0 | | | | 3.0 | | | 9 | silty clay |
| 1096 | B | 5 | H | 4 | 70 | 37.50 | | wlf | | 2 | 3 | 32 | | 65 | | 28.0 | 12.0 | 3.0 | 15.0 | | # # | | 2.0 | 5.0 | 2.0 | | | 8.0 | | 83 | | | 10.0 | | 5.0 | | 2.0 | | | 17 | diatom-bearing silty clay |
| 1096 | B | 5 | H | 6 | 52 | 40.32 | | wlf | | 2 | 70 | 15 | | 15 | | 25.0 | 12.0 | 1.0 | 5.0 | | # # | | 3.0 | 5.0 | 2.0 | | | # # | | 88 | | 1.0 | 5.0 | | | | 6.0 | | | 12 | sandy mud |
| 1096 | B | 6 | H | 1 | 60 | 42.40 | | wlf | 1 | | 3 | 27 | | 70 | | 22.0 | 10.0 | 31.0 | 5.0 | | # # | | 1.0 | 1.0 | 2.0 | | | 5.0 | | 89 | | | 9.0 | | | | 2.0 | | | 11 | silty clay |
| 1096 | B | 6 | H | 3 | 111 | 45.91 | | wlf | 1 | | 1 | 19 | | 80 | | 22.0 | 7.0 | 48.0 | 2.0 | | # # | | 1.0 | | 1.0 | | | 8.0 | | 100 | | | | | | | | | | 0 | clay |
| 1096 | B | 6 | H | 6 | 89 | 50.19 | | wlf | 1 | | 0 | 30 | | 70 | | 20.0 | 10.0 | 38.0 | 5.0 | | # # | | 1.0 | 8.0 | 2.0 | | | 5.0 | | 99 | | | | | 1.0 | | | | | 1 | silty clay |
| 1096 | B | 7 | H | 1 | 64 | 51.94 | | wlf | 1 | | 2 | 38 | | 60 | | 18.0 | 12.0 | 48.0 | 5.0 | | # # | | | 2.0 | 1.0 | | | 5.0 | | 91 | | 1.0 | 5.0 | | | | 3.0 | | | 9 | silty clay |
| 1096 | B | 7 | H | 3 | 69 | 54.95 | | wlf | 1 | | 10 | 25 | | 65 | | 20.0 | 10.0 | 35.0 | 3.0 | | # # | | | 3.0 | 2.0 | | | 5.0 | | 88 | | 10.0 | | | 2.0 | | | | | 12 | foraminiferal clayey mud |
| 1096 | B | 7 | H | 5 | 37 | 57.61 | | wlf | 1 | | 10 | 40 | | 50 | | 35.0 | 12.0 | 9.0 | 5.0 | | # # | | 2.0 | 2.0 | 5.0 | | | 5.0 | | 95 | | 1.0 | 2.0 | | | | 2.0 | | | 5 | clayey mud |
| 1096 | B | 8 | H | 2 | 60 | 62.90 | | cjp | 1 | | 0 | 20 | | 80 | | | | 80.0 | | | | | | | 1.0 | 1.0 | | | | 100 | 0.5 | | 0.5 | | | | | | | 0 | clay |
| 1096 | B | 8 | H | 2 | 86 | 63.16 | | cjp | | 2 | 1 | 94 | | 5 | | 40.0 | 10.0 | 5.0 | 1.0 | | # # | | 5.0 | 5.0 | 2.0 | | | | | 99 | | | | | | | 1.0 | | | 1 | silt |
| 1096 | B | 8 | H | 4 | 60 | 65.90 | | cjp | 1 | | 0 | 20 | | 80 | | | | | | | | | | 1.0 | | | | | | 100 | | | 0.5 | | | | | | | 0 | clay |

| Note: 0.5 equal to tr. | | | | | | | | | | | Size | | | | | | Composition - Siliciclastic | | | | | | | | | | | | Composition - Biogenic | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Leg | Site | Hole | Core | Type | Section | Interval (cm) | Depth (mbsf) | Depth (mcd) | Described by | Major lithology (1) | Minor lithology (2) | Sand | Silt | sum {sand+silt} | Clay | sum {sand+silt+clay} | Quartz | Feldspar | Clay (too fine to identify) | Mica | Glauconite | Rock Fragments | Volcanic Glass | Acc. Minerals | Carbonate | Opaque | Framboids/micronodules | Other | Terrigenous (tot silicl.-clay counts) | Total clay + siliciclastic | Nannofossils | Foraminifers | Diatoms | Radiolarians | Coccolith | Silicoflagellates | Sponge Spicules | Shell debris | unidentified/other | Total Biogenic | Sediment or Rock Name |
| 1096 | B | 8 | H | 6 | 60 | 68.90 | | cjp | 1 | | 0 | 20 | | 80 | | | | | | | | | | | 1.0 | | | | | 100 | | | 0.5 | | | | | | | 0 | clay |
| 1096 | B | 8 | H | 6 | 128 | 69.58 | | cjp | | 2 | 0 | 90 | | 10 | | 20.0 | 5.0 | 5.0 | | | 5.0 | | 1.0 | # # | | | | | 100 | | | | | | | | | | 0 | silt |
| 1096 | B | 9 | H | 1 | 90 | 71.20 | | eac | 1 | | 0 | 25 | | 75 | | 15.0 | 9.0 | 75.0 | | | | | | | | | | 1.0 | 100 | | | | | | | | | | 0 | silty clay |
| 1096 | B | 9 | H | 3 | 26 | 73.56 | | eac | | 2 | 0 | 45 | | 45 | | 40.0 | | | | | | | | # # | | | | 100 | | | | | | | | | | 0 | silty clay |
| 1096 | B | 9 | H | 3 | 90 | 74.20 | | eac | 1 | | 0 | 25 | | 74 | | 18.0 | 5.0 | 70.0 | | | | | 0.5 | 1.0 | | | | 1.0 | 100 | | | | | | | | | | 0 | silty clay |
| 1096 | B | 9 | H | 5 | 80 | 77.10 | | eac | 1 | | 0 | 30 | | 70 | | 20.0 | 10.0 | 70.0 | | | | | | | | | | 0.5 | 100 | | | | | | | | | | 0 | silty clay |
| 1096 | B | 9 | H | 6 | 65 | 78.45 | | eac | | 2 | 0 | 40 | | 60 | | 23.0 | 7.0 | 60.0 | 1.0 | | | | | | | | | | 95 | 1.0 | 3.0 | 1.0 | | | | | | | 5 | silty clay |
| 1096 | B | 10 | H | 2 | 14 | 81.44 | | am | 1 | | 8 | 60 | | 32 | | 10.0 | | 75.0 | | | | 2.0 | | | | | | | 87 | 5.0 | 0.5 | 5.0 | | | | 3.0 | | | 13 | clayey silt |
| 1096 | B | 10 | H | 3 | 15 | 82.95 | | am | 1 | | 0 | 10 | | 90 | | 3.0 | | 95.0 | | | | 2.0 | | | | | | | 100 | | | | | | | | | | 0 | clay |
| 1096 | B | 10 | H | 4 | 107 | 85.37 | | am | 1 | | 20 | 70 | | 10 | | 10.0 | | 74.0 | | | | | | | | | | | | 5.0 | 5.0 | 3.0 | | | | 3.0 | | | 16 | silty mud |
| 1096 | B | 10 | H | 5 | 17 | 85.97 | | am | 1 | | 0 | 5 | | 95 | | 15.0 | | 70.0 | | | | 5.0 | | | | | | | 100 | | | | | | | | | | 0 | clay |
| 1096 | B | 10 | H | 5 | 90 | 86.70 | | am | 1 | | 20 | 80 | | 0 | | 10.0 | | 62.0 | | | | 5.0 | | | | | | | 77 | 5.0 | 10.0 | 3.0 | | | | 5.0 | | | 23 | foraminiferal sandy silt |
| 1096 | B | 10 | H | 6 | 18 | 87.48 | | am | 1 | | 0 | 20 | | 80 | | | | 70.0 | | | | | | | | | | | 95 | | | 5.0 | | | | | | | 5 | clay |
| 1096 | B | 11 | H | 2 | 62 | 91.42 | | cjp | | 2 | 0 | 60 | | 40 | | 30.0 | 10.0 | 40.0 | 1.0 | | # # | | | | 1.0 | | | | 94 | | | 5.0 | | | | 1.0 | | | 6 | clayey silt |
| 1096 | B | 11 | H | 3 | 140 | 93.70 | | cjp | 1 | | 0 | 30 | | 70 | | | | 70.0 | | | | | | | 1.0 | | | | 95 | | | 5.0 | | | | 0.5 | | | 5 | silty clay |
| 1096 | B | 11 | H | 5 | 111 | 96.41 | | cjp | | 2 | 5 | 95 | | 0 | | 60.0 | 15.0 | 0.0 | 1.0 | | # # | | | 5.0 | 5.0 | | | | 98 | | | | | | | 2.0 | | | 2 | silt |
| 1096 | B | 11 | H | 5 | 140 | 96.70 | | cjp | 1 | | 0 | 30 | | 70 | | | | | | | | | | | | 1.0 | | | 99 | 0.5 | | 1.0 | | | | 0.5 | | | 1 | silty clay |
| 1096 | B | 11 | H | 6 | 52 | 97.32 | | cjp | 1 | | 0 | 20 | | 80 | | | | | | | | | | | 1.0 | | | | 99 | | | 1.0 | | | | | | | 1 | clay |
| 1096 | B | 12 | H | 1 | 108 | 99.88 | | cjp | | 2 | 2 | 98 | | 0 | | 60.0 | 15.0 | | | | # # | | | 7.0 | 5.0 | 2.0 | | | 99 | | | 0.5 | | | | 1.0 | | | 1 | silt |
| 1096 | B | 12 | H | 2 | 40 | 100.70 | | cjp | 1 | | 0 | 25 | | 75 | | | | | | | | | | | 1.0 | | | | 99 | | | 1.0 | | 0.5 | | | | | 1 | silty clay |
| 1096 | B | 12 | H | 3 | 16 | 101.96 | | cjp | | 2 | 5 | 55 | | 40 | | | | | | | | | | | | | | | 76 | 2.0 | 20.0 | | | | | | | | 24 | foraminiferal-bearing silty clay |
| 1096 | B | 12 | H | 3 | 110 | 102.90 | | cjp | 1 | | 0 | 30 | | 70 | | | | | | | | | | | | | | | 100 | | | 0.5 | | | | | | | 0 | silty clay |
| 1096 | B | 12 | H | 5 | 50 | 105.30 | | cjp | 1 | | 0 | 20 | | 80 | | | | | | | | | | | | | | | 99 | | 1.0 | | | | | | | | 1 | clay |
| 1096 | B | 12 | H | 6 | 100 | 107.30 | | cjp | 1 | | 0 | 30 | | 70 | | | | | | | | | | | | | | | 98 | 1.0 | 1.0 | | | | | | | | 2 | silty clay |
| 1096 | B | 12 | H | 7 | 10 | 107.90 | | cjp | | 2 | 10 | 50 | | 40 | | | | 40.0 | | | | | | | | | | | 67 | 2.0 | 30.0 | 1.0 | | | | | | | 33 | foraminiferal silty mud |
| 1096 | B | 13 | H | 1 | 58 | 108.88 | | wlf | 1 | | 5 | 30 | | 65 | | 15.0 | 5.0 | 13.0 | 1.0 | | 3.0 | | | | # # | | | 5.0 | 82 | | 15.0 | | | 3.0 | | | | | 18 | foraminiferal-bearing silty clay |
| 1096 | B | 13 | H | 2 | 145 | 111.25 | | wlf | 1 | | 1 | 29 | | 70 | | 25.0 | 10.0 | 36.0 | 5.0 | | # # | | 2.0 | 3.0 | | | | 5.0 | 96 | | | 2.0 | | | | 2.0 | | | 4 | silty clay |
| 1096 | B | 13 | H | 3 | 20 | 111.50 | | ec/wlf | | 2 | 100 | 0 | | 0 | | 35.0 | 10.0 | 0.0 | | | # # | | | | | 5.0 | | 5.0 | 100 | | | | | | | | | | 0 | sand |
| 1096 | B | 13 | H | 3 | 40 | 111.70 | | ec/wlf | | 2 | 100 | 0 | | 0 | | 35.0 | 12.0 | 0.0 | | | # # | | | | | 5.0 | | 6.0 | 100 | | | | | | | | | | 0 | sand |
| 1096 | B | 13 | H | 4 | 42 | 113.22 | | wlf | 1 | | 0 | 25 | | 75 | | 22.0 | 11.0 | 42.0 | 1.0 | | # # | | | | 2.0 | 3.0 | | 7.0 | 100 | | | | | | | | | | 0 | silty clay |
| 1096 | B | 13 | H | 4 | 90 | 113.70 | | wlf | 1 | | 0 | 25 | | 75 | | 20.0 | 10.0 | 49.0 | 3.0 | | # # | | | | 1.0 | 2.0 | | 5.0 | 100 | | | | | | | | | | 0 | silty clay |
| 1096 | B | 16 | H | 1 | 50 | 135.70 | | wlf | 1 | | 2 | 28 | | 70 | | 22.0 | 10.0 | 38.0 | 1.0 | | # # | | | | | 3.0 | | 8.0 | 100 | | | | | | | | | | 0 | silty clay |
| 1096 | B | 16 | H | 2 | 29 | 136.99 | | wlf | 1 | | 1 | 24 | | 75 | | 25.0 | 15.0 | 33.0 | 3.0 | | # # | | | | | 2.0 | | 7.0 | 100 | | | | | | | | | | 0 | silty clay |
| 1096 | B | 16 | H | 6 | 70 | 143.40 | | wlf | 1 | | 0 | 15 | | 85 | | 25.0 | 10.0 | 43.0 | 3.0 | | # # | | | | | 1.0 | | 5.0 | 100 | | | | | | | | | | 0 | clay |
| 1096 | B | 17 | H | 1 | 80 | 144.90 | | wlf | 1 | | 0 | 30 | | 70 | | 25.0 | 12.0 | 35.0 | 4.0 | | # # | | | | | 2.0 | | 8.0 | 96 | | | 4.0 | | | | | | | 4 | silty clay |
| 1096 | B | 17 | H | 3 | 83 | 147.93 | | wlf | 1 | | 1 | 29 | | 70 | | 20.0 | 11.0 | 33.0 | 4.0 | | # # | | | | | 4.0 | | 6.0 | 90 | | | 8.0 | | | | 2.0 | | | 10 | silty clay |
| 1096 | B | 19 | H | 1 | 110 | 151.80 | | wlf | 1 | | 1 | 24 | | 75 | | 19.0 | 10.0 | 36.0 | 5.0 | | # # | | 2.0 | 5.0 | 2.0 | | | 5.0 | 96 | | | 2.0 | | | | 2.0 | | | 4 | silty clay |
| 1096 | B | 19 | H | 3 | 39 | 154.09 | | wlf | 1 | | 2 | 28 | | 70 | | 20.0 | 10.0 | 30.0 | 5.0 | | # # | | 2.0 | | 2.0 | | | # # | 94 | | | 3.0 | | | | 3.0 | | | 6 | silty clay |
| 1096 | B | 20 | H | 1 | 115 | 158.85 | | wlf | 1 | | 1 | 24 | | 75 | | 25.0 | 12.0 | 33.0 | 3.0 | | # # | | | | | 3.0 | | 5.0 | 93 | | | 5.0 | | | | 2.0 | | | 7 | silty clay |
| 1096 | B | 20 | H | 4 | 87 | 163.07 | | wlf | 1 | | 2 | 23 | | 75 | | 30.0 | 18.0 | 11.0 | 3.0 | | # # | | 2.0 | | | 3.0 | | # # | 95 | | | 4.0 | | | | 1.0 | | | 5 | silty clay |
| 1096 | B | 22 | H | 1 | 91 | 167.81 | | wlf | 1 | | 3 | 33 | | 65 | | 20.0 | 10.0 | 25.0 | 5.0 | | # # | | | | 3.0 | 3.0 | | # # | 96 | | | 2.0 | | | | 2.0 | | | 4 | silty clay |
| 1096 | B | 23 | H | 1 | 97 | 174.97 | | wlf | 1 | | 2 | 33 | | 65 | | 30.0 | 18.0 | 13.0 | 3.0 | | # # | | 2.0 | 3.0 | | | | 5.0 | 89 | | 2.0 | 6.0 | | | | 3.0 | | | 11 | silty clay |
| 1096 | B | 23 | H | 5 | 70 | 180.60 | | wlf | 1 | | 3 | 32 | | 65 | | 18.0 | 7.0 | 20.0 | 2.0 | | # # | | | | # # | 3.0 | | 5.0 | 85 | | 5.0 | 5.0 | | | | 5.0 | | | 15 | silty clay |
| 1096 | B | 24 | H | 1 | 80 | 184.40 | | wlf | 1 | | 1 | 24 | | 75 | | 25.0 | 12.0 | 33.0 | | | # # | | | | | 3.0 | | 8.0 | 94 | | | 4.0 | | | | 2.0 | | | 6 | silty clay |

| Note: 0.5 equal to tr. | | | | | | | | | | | Size | | | | | | Composition - Siliciclastic | | | | | | | | | | | | | Composition - Biogenic | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Leg | Site | Hole | Core | Type | Section | Interval (cm) | Depth (mbsf) | Depth (mcd) | Described by | Major lithology (1) | Minor lithology (2) | Sand | Silt | sum {sand+silt} | Clay | sum {sand+silt+clay} | Quartz | Feldspar | Clay (too fine to identify) | Mica | Glauconite | Rock Fragments | Volcanic Glass | Acc. Minerals | Carbonate | Opaque | Framboids/micronodules | Other | Terrigenous (tot silicl.-clay counts) | Total clay + siliciclastic | Nannofossils | Foraminifers | Diatoms | Radiolarians | Coccolith | Silicoflagellates | Sponge Spicules | Shell debris | unidentified/other | Total Biogenic | Sediment or Rock Name |
| 1096 | B | 24 | H | 4 | 88 | 188.89 | | wlf | 1 | | 2 | 28 | | 70 | | 30.0 | 15.0 | 15.0 | 2.0 | | # # | | | | 3.0 | | 3.0 | | 88 | | | 8.0 | | | | 3.0 | | | 12 | silty clay |
| 1096 | B | 24 | H | 7 | 24 | 192.57 | | wlf | 1 | | 0 | 25 | | 72 | | 25.0 | 14.0 | 32.0 | 3.0 | | # # | | | 2.0 | 2.0 | | 5.0 | | 89 | | | 8.0 | | | | 3.0 | | | 11 | silty clay |
| 1096 | B | 26 | H | 1 | 90 | 203.80 | | wlf | 1 | | 2 | 33 | | 65 | | 22.0 | 13.0 | 16.0 | 3.0 | | # # | | | | 4.0 | 2.0 | 5.0 | | 75 | | 4.0 | 15.0 | | | | 6.0 | | | 25 | diatom-bearing silty clay |
| 1096 | B | 26 | H | 4 | 90 | 208.30 | | wlf | 1 | | 1 | 29 | | 70 | | 30.0 | 15.0 | 14.0 | 2.0 | | # # | | | | 2.0 | 3.0 | 7.0 | | 88 | | 2.0 | 4.0 | | | | 6.0 | | | 12 | silty clay |
| 1096 | B | 26 | H | 7 | 17 | 212.07 | | wlf | 1 | | 3 | 32 | | 65 | | 19.0 | 12.0 | 19.0 | | | # # | | 2.0 | 4.0 | 3.0 | | # # | | 87 | | 2.0 | 7.0 | | 1.0 | | 3.0 | | | 13 | silty clay |
| 1096 | B | 27 | H | 1 | 50 | 213.00 | | wlf | 1 | | 2 | 28 | | 70 | | 28.0 | 14.0 | 18.0 | 3.0 | | # # | | 2.0 | 1.0 | 3.0 | | # # | | 91 | | | 5.0 | | 1.0 | | 3.0 | | | 9 | silty clay |
| 1096 | B | 27 | H | 2 | 106 | 215.06 | | wlf | 1 | | 3 | 32 | | 65 | | 20.0 | 10.0 | 17.0 | 2.0 | | # # | | 2.0 | # # | 2.0 | | 5.0 | | 83 | | 5.0 | 6.0 | | 1.0 | | 5.0 | | | 17 | silty clay |
| 1096 | B | 28 | H | 1 | 93 | 223.03 | | wlf | 1 | | 2 | 28 | | 70 | | 22.0 | 11.0 | 24.0 | 5.0 | | # # | | 2.0 | 5.0 | 3.0 | | 5.0 | | 89 | | 4.0 | 4.0 | | 0.5 | | 3.0 | | | 11 | silty clay |
| 1096 | B | 28 | H | 3 | 96 | 226.05 | | wlf | 1 | | 3 | 32 | | 65 | | 18.0 | 9.0 | 19.0 | 2.0 | | # # | | 2.0 | # # | 2.0 | | 5.0 | | 77 | | 8.0 | 10.0 | | | | 5.0 | | | 23 | diatom-bearing silty clay |
| 1096 | B | 29 | H | 1 | 110 | 232.80 | | wlf | 1 | | 1 | 14 | | 80 | | 18.0 | 14.0 | 46.0 | 2.0 | | # # | | 1.0 | | 1.0 | | 5.0 | | 94 | | 1.0 | 3.0 | | | | 2.0 | | | 6 | clay |
| 1096 | B | 29 | H | 4 | 100 | 237.20 | | wlf | 1 | | 1 | 29 | | 70 | | 20.0 | 12.0 | 41.0 | 2.0 | | # # | | 2.0 | 1.0 | 2.0 | | 5.0 | | 95 | | | 3.0 | | | | 2.0 | | | 5 | silty clay |
| 1096 | B | 30 | H | 1 | 50 | 241.80 | | cjp | 1 | | 0 | 30 | | 70 | | | | | | | | | | 1.0 | | | | 90 | | | 10.0 | | | | | | | 10 | diatom-bearing silty clay |
| 1096 | B | 30 | H | 2 | 50 | 243.30 | | cjp | 1 | | 0 | 30 | | 70 | | | | | | | | | | 1.0 | | | | 90 | | | 10.0 | | | | 0.5 | | | 10 | diatom-bearing silty clay |
| 1096 | B | 30 | H | 3 | 50 | 244.80 | | cjp | 1 | | 0 | 30 | | 70 | | | | | | | | | | 1.0 | | | | 95 | 0.5 | | 5.0 | | | 0.5 | | | | 5 | silty clay |
| 1096 | B | 30 | H | 4 | 67 | 246.47 | | cjp | 1 | | 0 | 30 | | 70 | | | | | | | | | | | | | | 95 | | | 5.0 | | | | | | | 5 | silty clay |
| 1096 | B | 31 | H | 1 | 50 | 248.50 | | cjp | 1 | | 0 | 30 | | 70 | | | | | | | | | | 0.5 | | | | 95 | | | 5.0 | | | | | | | 5 | silty clay |
| 1096 | B | 31 | H | 2 | 60 | 250.10 | | cjp | 1 | | 0 | 30 | | 70 | | | | | | | | | | | | | | 90 | | | 10.0 | | | | 0.5 | | | 10 | diatom-bearing silty clay |
| 1096 | B | 32 | H | 1 | 60 | 251.60 | | cjp | 1 | | 0 | 35 | | 65 | | | | | | | | | | 1.0 | | | | 95 | 0.5 | | 5.0 | | | | | | | 5 | silty clay |
| 1096 | B | 32 | H | 4 | 60 | 256.10 | | cjp | 1 | | 0 | 30 | | 70 | | | | | | | | | | | | | | 92 | | | 8.0 | | | | | | | 8 | silty clay |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1096 | C | 1 | H | 2 | 20 | 115.29 | | wlf | 1 | | 0 | 20 | | 80 | | 12.0 | 6.0 | 70.0 | 1.0 | | 4.0 | | 2.0 | | | | 5.0 | | 100 | | | | | | | | | | 0 | clay |
| 1096 | C | 1 | H | 4 | 130 | 118.05 | | wlf | 1 | | 2 | 28 | | 70 | | 18.0 | 11.0 | 47.0 | 8.0 | | 8.0 | | 2.0 | 3.0 | 1.0 | | 7.0 | | 100 | | | | | | | | | | 0 | silty clay |
| 1096 | C | 1 | H | 7 | 51 | 121.76 | | wlf | 1 | | 8 | 32 | | 60 | | 30.0 | 11.0 | 6.0 | 4.0 | | # # | | 3.0 | 2.0 | 2.0 | | # # | | 100 | | | | | | | | | | 0 | silty clay |
| 1096 | C | 2 | H | 2 | 33 | 168.83 | | wlf | | 2 | 5 | 90 | | 5 | | 22.0 | 12.0 | 2.0 | 7.0 | | # # | | 4.0 | 5.0 | 6.0 | | # # | | 96 | | | 2.0 | | | | 2.0 | | | 4 | silt |
| 1096 | C | 2 | H | 6 | 32 | 174.82 | | wlf | 1 | | 0 | 15 | | 85 | | 20.0 | 11.0 | 44.0 | 2.0 | | # # | | | 1.0 | 3.0 | | 5.0 | | 96 | | | 3.0 | | | | 1.0 | | | 4 | clay |
| 1096 | C | 3 | X | 5 | 38 | 199.38 | | wlf | 1 | | 0 | 25 | | 75 | | 22.0 | 12.0 | 24.0 | 5.0 | | # # | | 2.0 | | 3.0 | | 7.0 | | 90 | | | 8.0 | | | | 2.0 | | | 10 | silty clay |
| 1096 | C | 3 | X | 4 | 118 | 198.68 | | wlf | 1 | | 1 | 29 | | 70 | | 20.0 | 12.0 | 16.0 | 3.0 | | # # | | 3.0 | 3.0 | 2.0 | | # # | | 84 | | | 9.0 | | | | 7.0 | | | 16 | silty clay |
| 1096 | C | 4 | X | 2 | 70 | 204.80 | | eac | 1 | | 0 | 26 | | 74 | | 13.0 | 10.0 | 70.0 | | | | | | | | | 1.0 | | 94 | | | 5.0 | | | | 1.0 | | | 6 | silty clay |
| 1096 | C | 4 | X | 4 | 20 | 207.30 | | eac | 1 | | 0 | 30 | | 70 | | 29.0 | 10.0 | 60.0 | | | | | | | | | 1.0 | | 94 | | | 5.0 | | | | 1.0 | | | 6 | silty clay |
| 1096 | C | 5 | X | 1 | 140 | 213.60 | | œ | 1 | | 1 | 25 | | 74 | | 25.0 | 5.0 | 65.0 | | | | | | | 2.0 | | 3.0 | | 93 | | | 5.0 | | | | 2.0 | | | 7 | silty clay |
| 1096 | C | 5 | X | 3 | 45 | 215.65 | | œ | 1 | | 5 | 20 | | 75 | | 30.0 | 5.0 | 60.0 | | | | | | 2.0 | 1.0 | | 2.0 | | 94 | | | 5.0 | | | | 1.0 | | | 6 | silty clay |
| 1096 | C | 5 | X | 4 | 120 | 217.90 | | œ | 1 | | 0 | 30 | | 70 | | 30.0 | 10.0 | 46.0 | | 5.0 | | | | | | | 3.0 | | 94 | | | 5.0 | | | | 1.0 | | | 6 | silty clay |
| 1096 | C | 6 | X | 1 | 31 | 222.11 | | œ | 1 | | 5 | 30 | | 65 | | 30.0 | 5.0 | 60.0 | | 3.0 | | | | 3.0 | 1.0 | | 2.0 | | 96 | | | 3.0 | | | | 1.0 | | | 4 | silty clay |
| 1096 | C | 6 | X | 2 | 144 | 224.74 | | œ | 1 | | 1 | 20 | | 79 | | 30.0 | 5.0 | 56.0 | | | | | | 1.0 | | | 2.0 | | 94 | | | 5.0 | | | | 1.0 | | | 6 | clay |
| 1096 | C | 6 | X | 3 | 45 | 225.25 | | œ | 1 | | 10 | 25 | | 65 | | 30.0 | 5.0 | 47.0 | 2.0 | 3.0 | | | | 2.0 | | | | | 89 | | | 8.0 | | | | 2.0 | | | 10 | silty clay |
| 1096 | C | 6 | X | 5 | 49 | 228.25 | | œ | 1 | | 0 | 25 | | 75 | | 25.0 | 3.0 | 51.0 | 7.0 | | | | | 2.0 | | | 2.0 | | 90 | | | 8.0 | | | | 2.0 | | | 10 | silty clay |
| 1096 | C | 7 | X | 2 | 70 | 257.40 | | cjp | 1 | | 0 | 25 | | 75 | | | | 75.0 | | | | | | | | | | | 95 | | | 5.0 | | | | 0.5 | | | 5 | silty clay |
| 1096 | C | 7 | X | 4 | 71 | 260.41 | | cjp | 1 | | 0 | 30 | | 70 | | | | | | | | | | | | | | | 97 | | | 3.0 | 0.5 | | | | | | 3 | silty clay |
| 1096 | C | 8 | X | 1 | 30 | 261.20 | | œ | 1 | | 0 | 30 | | 70 | | 25.0 | 5.0 | 31.0 | 1.0 | 5.0 | | | | | | | 5.0 | | 82 | | | 15.0 | 1.0 | | | 3.0 | | | 18 | diatom-bearing silty clay |
| 1096 | C | 8 | X | 2 | 30 | 262.70 | | œ | 1 | | 0 | 20 | | 80 | | 15.0 | 3.0 | 62.0 | | 5.0 | | | | | | | 2.0 | | 87 | | | 10.0 | | | | 3.0 | | | 13 | diatom-bearing clay |
| 1096 | C | 8 | X | 4 | 30 | 265.70 | | œ | 1 | | 0 | 25 | | 75 | | 20.0 | 5.0 | 56.0 | | 3.0 | | | | 2.0 | 3.0 | | 2.0 | | 91 | | | 8.0 | 0.5 | | 0.5 | 1.0 | | | 9 | silty clay |
| 1096 | C | 8 | X | 6 | 35 | 268.75 | | œ | 1 | | 0 | 25 | | 75 | | 20.0 | 5.0 | 43.0 | 2.0 | 5.0 | | | | 3.0 | | | 5.0 | | 83 | | | 15.0 | | | | 2.0 | | | 17 | diatom-bearing silty clay |
| 1096 | C | 9 | X | 2 | 60 | 271.28 | | eac | 1 | | 0 | 30 | | 70 | | 10.0 | 6.0 | 70.0 | | | | | | | | | 1.0 | | 87 | | | 12.0 | | | | 1.0 | | | 13 | diatom-bearing silty clay |
| 1096 | C | 9 | X | 4 | 60 | 274.28 | | eac | 1 | | 0 | 30 | | 70 | | | | | | | | | | | | | | | 74 | | | 15.0 | | | | 1.0 | | | 16 | diatom-bearing silty clay |

| Note: 0.5 equal to tr. | | | | | | | | | | | Size | | | | | Composition - Siliciclastic | | | | | | | | | | | | | Composition - Biogenic | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Leg Site | Hole | Core | Type | Section | Interval (cm) | Depth (mbsf) | Depth (mcd) | Described by | Major lithology (1) | Minor lithology (2) | Sand | Silt | sum {sand+silt} | Clay | sum {sand+silt+clay} | Quartz | Feldspar | Clay (too fine to identify) | Mica | Glauconite | Rock Fragments | Volcanic Glass | Acc. Minerals | Carbonate | Opaque | Framboids/micronodules | Other | Terrigenous (tot silcl.-clay counts) | Total clay + siliciclastic | Nannofossils | Foraminifers | Diatoms | Radiolarians | Coccolith | Silicoflagellates | Sponge Spicules | Shell debris | unidentified/other | Total Biogenic | Sediment or Rock Name |
| 1096 | C | 9 | X | 5 | 60 | 275.78 | | eac | 1 | | 0 | 40 | | 60 | | | | | | | | | | | | | | | 88 | | | 12.0 | 1.0 | | | 1.0 | | | 12 | diatom-bearing silty clay |
| 1096 | C | 9 | X | 6 | 60 | 277.28 | | eac | 1 | | 0 | 40 | | 60 | | | | | | | | | | | | | | | 83 | | | 17.0 | | | | | | | 17 | diatom-bearing silty clay |
| 1096 | C | 9 | X | 6 | 72 | 277.40 | | eac | | 2 | 2 | 90 | | 8 | | 73.0 | 10.0 | 8.0 | | | | | | | | | 3.0 | | 94 | | | 5.0 | 0.5 | | | 1.0 | | | 6 | silt |
| 1096 | C | 9 | X | 7 | 60 | 278.78 | | eac | 1 | | 0 | 30 | | 70 | | | | | | | | | | | | | | | 79 | | | 20.0 | 0.5 | | | 1.0 | | | 21 | diatom ooze |
| 1096 | C | 9 | X | 8 | 60 | 279.53 | | eac | 1 | | 2 | 40 | | 58 | | | | | | | | | | | | | | | 84 | | | 15.0 | 0.5 | | | 1.0 | | | 16 | diatom-bearing silty clay |
| 1096 | C | 10 | X | 1 | 130 | 281.30 | | wlf | 1 | | 1 | 34 | | 65 | | 30.0 | 12.0 | 18.0 | 4.0 | | | | 3.0 | 1.0 | | | 5.0 | | 91 | | | 5.0 | | | | 4.0 | | | 9 | silty clay |
| 1096 | C | 10 | X | 1 | 48 | 280.48 | | wlf | 1 | | 2 | 38 | | 60 | | 20.0 | 11.0 | 21.0 | 2.0 | | # # | | 2.0 | 2.0 | 3.0 | | 5.0 | | 84 | | | 12.0 | | | | 4.0 | | | 16 | diatom-bearing silty clay |
| 1096 | C | 10 | X | 6 | 31 | 287.31 | | wlf | 1 | | 1 | 24 | | 75 | | 25.0 | 8.0 | 15.0 | 1.0 | | # # | | 3.0 | 5.0 | 3.0 | | # # | | 86 | | | 10.0 | | | | 4.0 | | | 14 | diatom-bearing silty clay |
| 1096 | C | 10 | X | 7 | 93 | 289.43 | | wlf | 1 | | 2 | 33 | | 65 | | 18.0 | 9.0 | 22.0 | 1.0 | | # # | | 2.0 | # # | 2.0 | | 5.0 | | 83 | | 6.0 | 5.0 | | 3.0 | | 3.0 | | | 17 | silty clay |
| 1096 | C | 11 | X | 2 | 12 | 291.22 | | wlf | 1 | | 0 | 30 | | 70 | | 18.0 | 9.0 | 29.0 | 2.0 | | # # | | | | 3.0 | | 7.0 | | 78 | | | 15.0 | | | 2.0 | 5.0 | | | 22 | diatom-bearing silty clay |
| 1096 | C | 11 | X | 6 | 103 | 298.13 | | wlf | 1 | | 2 | 35 | | 63 | | 20.0 | 10.0 | 30.0 | 3.0 | | # # | | | 5.0 | 2.0 | | 5.0 | | 85 | | 5.0 | 6.0 | | 1.0 | | 3.0 | | | 15 | silty clay |
| 1096 | C | 12 | X | 2 | 99 | 300.42 | | wlf | 1 | | 2 | 23 | | 75 | | 18.0 | 8.0 | 33.0 | 8.0 | | # # | | 2.0 | 5.0 | 2.0 | | 6.0 | | 90 | | 2.0 | 5.0 | | 1.0 | | 2.0 | | | 10 | silty clay |
| 1096 | C | 12 | X | 7 | 80 | 307.73 | | wlf | 1 | | 1 | 29 | | 70 | | 18.0 | 8.0 | 28.0 | 3.0 | | # # | | 2.0 | 3.0 | 1.0 | | 5.0 | | 80 | | 1.0 | 13.0 | | 1.0 | | 5.0 | | | 20 | diatom-bearing silty clay |
| 1096 | C | 13 | X | 1 | 107 | 309.87 | | wlf | 1 | | 2 | 28 | | 70 | | 18.0 | 10.0 | 25.0 | | | # # | | 2.0 | 5.0 | 2.0 | | 3.0 | | 77 | | 2.0 | 12.0 | | 1.0 | | 8.0 | | | 23 | diatom-bearing silty clay |
| 1096 | C | 13 | X | 5 | 121 | 316.01 | | wlf | 1 | | 2 | 33 | | 65 | | 18.0 | 10.0 | 21.0 | 2.0 | | # # | | 2.0 | 5.0 | 3.0 | | 5.0 | | 76 | | 3.0 | 12.0 | | 1.0 | | 8.0 | | | 24 | diatom-bearing silty clay |
| 1096 | C | 14 | X | 2 | 93 | 319.82 | | wlf | 1 | | 2 | 38 | | 60 | | 21.0 | 9.0 | 17.0 | 4.0 | | # # | | 2.0 | 4.0 | 3.0 | | 8.0 | | 82 | | 3.0 | 8.0 | | 2.0 | | 5.0 | | | 18 | silty clay |
| 1096 | C | 14 | X | 6 | 62 | 325.91 | | wlf | 1 | | 3 | 32 | | 65 | | 20.0 | 12.0 | 16.0 | 3.0 | | # # | | 1.0 | 6.0 | 2.0 | | 5.0 | | 81 | | 5.0 | 5.0 | | 4.0 | | 5.0 | | | 19 | silty clay |
| 1096 | C | 15 | X | 1 | 76 | 328.96 | | wlf | 1 | | 2 | 28 | | 70 | | 18.0 | 9.0 | 21.0 | 1.0 | | # # | | 1.0 | 3.0 | 3.0 | | 5.0 | | 71 | | 2.0 | 18.0 | | 1.0 | | 8.0 | | | 29 | diatom-bearing silty clay |
| 1096 | C | 15 | X | 5 | 76 | 334.96 | | wlf | 1 | | 2 | 28 | | 70 | | 20.0 | 9.0 | 19.0 | 2.0 | | # # | | 1.0 | 5.0 | 2.0 | | 8.0 | | 78 | | 2.0 | 12.0 | | 3.0 | | 5.0 | | | 22 | diatom-bearing silty clay |
| 1096 | C | 16 | X | 1 | 83 | 338.73 | | eac | 1 | | 0 | 30 | | 70 | | | | | | | | | | | | | | | 88 | | | 10.0 | | | | 2.0 | | | 12 | diatom-bearing silty clay |
| 1096 | C | 16 | X | 3 | 80 | 341.70 | | eac | 1 | | 0 | 26 | | 74 | | | | | | | | | | | | | | | 94 | | | 5.0 | | | | 1.0 | | | 6 | silty clay |
| 1096 | C | 16 | X | 5 | 122 | 345.12 | | eac | 1 | | 0 | 10 | | 90 | | | | | | | | | | | | | | | 95 | | | 5.0 | 0.5 | | | 0.5 | | | 5 | clay |
| 1096 | C | 17 | X | 1 | 60 | 348.10 | | eac | 1 | | 0 | 35 | | 65 | | | | | | | | | | | | | | | 95 | | | 2.0 | 2.0 | | | 1.0 | | | 5 | silty clay |
| 1096 | C | 17 | X | 2 | 132 | 350.32 | | eac | 1 | | 0 | 15 | | 85 | | | | | | | | | | | | | | | 94 | | | 2.0 | 2.0 | | | 2.0 | | | 6 | clay |
| 1096 | C | 17 | X | 4 | 25 | 352.25 | | eac | 1 | | 0 | 35 | | 65 | | | | | | | | | | | | | | | 94 | | | 3.0 | 2.0 | | | 1.0 | | | 6 | silty clay |
| 1096 | C | 18 | X | 2 | 51 | 359.21 | | am | 1 | | 1 | 20 | | 79 | | 10.0 | 5.0 | 60.0 | | | | | | | | | | | 95 | | | 20.0 | | | | 5.0 | | | 25 | diatom-bearing silty clay |
| 1096 | C | 18 | X | 4 | 57 | 362.27 | | am | 1 | | 30 | 60 | | 10 | | 10.0 | 8.0 | 52.0 | | | | | | | | | | | 60 | | | 30.0 | | | | 10.0 | | | 40 | diatom sandy silty ooze |
| 1096 | C | 18 | X | 6 | 35 | 364.96 | | am | 1 | | 0 | 10 | | 90 | | 5.0 | | 60.0 | | | | | | | | | | | 95 | | | 5.0 | | | | 0.5 | | | 5 | clay |
| 1096 | C | 18 | X | cc | 34 | 366.63 | | am | 1 | | 30 | 30 | | 40 | | 15.0 | | 5.0 | | | | | | | | | # # | | 80 | | | 10.0 | | | | 5.0 | | 5.0 | 20 | diatom-bearing sandy silty mud |
| 1096 | C | 19 | X | 2 | 90 | 369.30 | | œ | 1 | | 1 | 30 | | 69 | | 30.0 | 5.0 | 59.0 | | 3.0 | | | | | | | 3.0 | | 83 | | | 15.0 | | | | 2.0 | | | 17 | diatom-bearing silty clay |
| 1096 | C | 19 | X | 4 | 114 | 372.54 | | œ | | 2 | 0 | 30 | | 70 | | 25.0 | 3.0 | 56.0 | | # # | | | | | | | 6.0 | | 85 | | | 10.0 | | | | 5.0 | | | 15 | diatom-bearing silty clay |
| 1096 | C | 19 | X | 6 | 95 | 375.35 | | œ | | 2 | 0 | 25 | | 75 | | 20.0 | 3.0 | 60.0 | | # # | | | | | | | 7.0 | | 92 | | | 5.0 | | | | 3.0 | | | 8 | silty clay |
| 1096 | C | 19 | X | 7 | 18 | 376.08 | | œ | 1 | | 3 | 20 | | 77 | | 25.0 | 3.0 | 64.0 | | 5.0 | | | | | | | 3.0 | | 77 | | | 20.0 | | | | 3.0 | | | 23 | diatomaceous sity clay |
| 1096 | C | 20 | X | 1 | 74 | 377.34 | | œ | | | 0 | 40 | | 60 | | | | | | | | | | | | | | | 88 | | | 10.0 | 2.0 | | | 0.5 | | | 12 | diatom-bearing silty clay |
| 1096 | C | 21 | X | 2 | 40 | 386.86 | | eac | 1 | | 0 | 35 | | 65 | | | | | | | | | | | | | | | 87 | | | 10.0 | 2.0 | | | 1.0 | | | 13 | diatom-bearing silty clay |
| 1096 | C | 21 | X | 3 | 120 | 388.41 | | eac | | | 2 | 40 | | 58 | | | | | | | | | | | | | | | 77 | | | 20.0 | 1.0 | | | 2.0 | | | 23 | diatomaceous sity clay |
| 1096 | C | 21 | X | 4 | 68 | 389.39 | | eac | | | 0 | 40 | | 60 | | | | | | | | | | | | | | | 77 | | | 20.0 | 2.0 | | | 1.0 | | | 23 | diatomaceous sity clay |
| 1096 | C | 21 | X | 5 | 60 | 390.81 | | eac | 1 | | 5 | 40 | | 55 | | | | | | | | | | | | | | | 67 | | | 30.0 | 1.0 | | | 2.0 | | | 33 | diatomaceous sity clay |
| 1096 | C | 21 | X | 6 | 42 | 392.13 | | eac | | 2 | 0 | 32 | | 68 | | | | | | | | | | | | | | | 46 | | | 50.0 | 2.0 | | | 2.0 | | | 54 | diatom ooze |
| 1096 | C | 21 | X | 7 | 71 | 393.92 | | eac | 1 | | 1 | 30 | | 69 | | | | | | | | | | # # | | | | | 92 | | | 5.0 | 1.0 | | | 2.0 | | | 8 | silty clay |
| 1096 | C | 22 | X | 1 | 80 | 396.60 | | œ | 2 | | 2 | 20 | | 78 | | 20.0 | 3.0 | 70.0 | 1.0 | | | | | | 1.0 | | 5.0 | | 88 | | | 10.0 | 0.5 | | | 2.0 | | | 12 | diatomaceous sity clay |
| 1096 | C | 22 | X | 2 | 105 | 398.35 | | œ | 1 | | 0 | 25 | | 75 | | 20.0 | 5.0 | 70.0 | | | | | | | | | 3.0 | | 97 | | | 5.0 | | | | 2.0 | | | 7 | silty clay |
| 1096 | C | 22 | X | 5 | 35 | 402.15 | | œ | 1 | | 0 | 30 | | 70 | | 25.0 | 5.0 | 70.0 | | | | | | | | | 5.0 | | 86 | | | 10.0 | 2.0 | | | 2.0 | | | 14 | silty clay |
| 1096 | C | 22 | X | 7 | 18 | 404.98 | | œ | 1 | | 0 | 20 | | 80 | | 30.0 | 5.0 | 62.0 | | | | | | 1.0 | | | 2.0 | | 88 | | | 10.0 | 0.5 | | | 2.0 | | | 12 | diatom-bearing silty clay |

| Note: 0.5 equal to tr. | | | | | | | | | | | Size | | | | | | Composition - Siliciclastic | | | | | | | | | | | | | Composition - Biogenic | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Leg Site | Hole | Core | Type | Section | Interval (cm) | Depth (mbsf) | Depth (mcd) | Described by | Major lithology (1) | Minor lithology (2) | Sand | Silt | sum {sand+silt} | Clay | sum {sand+silt+clay} | Quartz | Feldspar | Clay (too fine to identify) | Mica | Glauconite | Rock Fragments | Volcanic Glass | Acc. Minerals | Carbonate | Opaque | Framboids/micronodules | Other | Terrigenous (tot silccl.-clay coutns) | Total clay + siliciclastic | Nannofossils | Foraminifers | Diatoms | Radiolarians | Coccolith | Silicoflagellates | Sponge Spicules | Shell debris | unidentified/other | Total Biogenic | Sediment or Rock Name |
| 1096 | C | 23 | X | 1 | 70 | 406.20 | | eac | 1 | | 0 | 20 | | 80 | | | | | | | | | | | | | | | 96 | | | 1.0 | 2.0 | | | 1.0 | | | 4 | clay |
| 1096 | C | 23 | X | 2 | 10 | 407.10 | | wlf | | 2 | 5 | 75 | | 20 | | 9.0 | 3.0 | 7.0 | 4.0 | | 6.0 | | | | # # | | | | 89 | | | 8.0 | | | | 3.0 | | | 11 | silt |
| 1096 | C | 23 | X | 4 | 90 | 410.90 | | eac | 1 | | 0 | 15 | | 85 | | | | | | | | | | | | | | | 95 | | | 2.0 | 2.0 | | | 1.0 | | | 5 | clay |
| 1096 | C | 23 | X | 6 | 22 | 413.22 | | eac | | 2 | 0 | 100 | | 0 | | 53.0 | 20.0 | 0.0 | 2.0 | | | | | | # # | | 2.0 | | 97 | | | 1.0 | 1.0 | | | 1.0 | | | 3 | silt |
| 1096 | C | 24 | X | 1 | 81 | 415.91 | | wlf | 1 | | 4 | 30 | | 66 | | 17.0 | 4.0 | 27.0 | | | # # | | | 2.0 | 3.0 | | 6.0 | | 77 | | 4.0 | 14.0 | | 0.5 | | 5.0 | | | 23 | diatom-bearing silty clay |
| 1096 | C | 24 | X | 2 | 79 | 417.39 | | wlf | | 2 | 0 | 25 | | 75 | | 12.0 | 8.0 | 31.0 | 2.0 | | # # | | | 2.0 | # # | | | | 97 | | | 2.0 | | | | 1.0 | | | 3 | silty clay |
| 1096 | C | 25 | X | 1 | 79 | 425.59 | | wlf | 1 | | 2 | 28 | | 70 | | 20.0 | 10.0 | 31.0 | 5.0 | | # # | | 2.0 | 3.0 | | | 5.0 | | 91 | | | 5.0 | | | | 4.0 | | | 9 | silty clay |
| 1096 | C | 25 | X | 4 | 92 | 430.22 | | wlf | 1 | | 2 | 28 | | 70 | | 20.0 | 8.0 | 26.0 | 4.0 | | # # | | 2.0 | | 1.0 | | 5.0 | | 81 | | | 11.0 | | | | 8.0 | | | 19 | silty clay |
| 1096 | C | 25 | X | 7 | 38 | 434.18 | | wlf | 1 | | 1 | 24 | | 75 | | 20.0 | 10.0 | 24.0 | 3.0 | | # # | | 2.0 | | 4.0 | | 6.0 | | 84 | | | 8.0 | | | | 8.0 | | | 16 | silty clay |
| 1096 | C | 26 | X | 1 | 85 | 435.25 | | wlf | 1 | | 2 | 33 | | 65 | | 18.0 | 10.0 | 26.0 | 3.0 | | # # | | | 2.0 | 3.0 | | 7.0 | | 78 | | | 12.0 | | | | 10.0 | | | 22 | diatom-bearing silty clay |
| 1096 | C | 27 | X | 1 | 80 | 444.80 | | wlf | 1 | | 3 | 27 | | 70 | | 18.0 | 10.0 | 18.0 | 5.0 | | # # | | | | 4.0 | | 8.0 | | 75 | | | 15.0 | | | | 10.0 | | | 25 | diatom-bearing silty clay |
| 1096 | C | 27 | X | 2 | 132 | 446.82 | | wlf | | 2 | 5 | 20 | | 75 | | 10.0 | 5.0 | 0.0 | 3.0 | | # # | | | | # # | | # # | | 95 | | | 1.0 | | | | 1.0 | | | 2 | silty clay |
| 1096 | C | 27 | X | 4 | 100 | 449.40 | | wlf | 1 | | 2 | 28 | | 70 | | 18.0 | 9.0 | 21.0 | 3.0 | | # # | | | | 5.0 | | # # | | 77 | | | 15.0 | | | | 8.0 | | | 23 | diatom-bearing silty clay |
| 1096 | C | 27 | X | 6 | 85 | 452.25 | | wlf | 1 | | 2 | 28 | | 70 | | 18.0 | 9.0 | 19.0 | 4.0 | | # # | | | | 4.0 | | # # | | 76 | | | 12.0 | | 2.0 | 10.0 | | | | 24 | diatom-bearing silty clay |
| 1096 | C | 28 | X | 4 | 21 | 458.31 | | wlf | 1 | | 10 | 50 | | 40 | | 8.0 | 4.0 | 9.0 | 4.0 | | 7.0 | | | | 3.0 | | | | 35 | | | 25.0 | 10.0 | | | 25.0 | | | 65 | siliceous ooze |
| 1096 | C | 28 | X | 5 | 75 | 460.35 | | wlf | | 2 | 40 | 45 | | 15 | | 3.0 | 1.0 | 13.0 | 1.0 | | 2.0 | | | | 2.0 | | 3.0 | | 25 | | | 35.0 | 25.0 | | 5.0 | 10.0 | | | 75 | siliceous ooze |
| 1096 | C | 28 | X | 7 | 27 | 462.67 | | wlf | 1 | | 10 | 50 | | 40 | | 12.0 | 8.0 | 15.0 | 4.0 | | # # | | | | 6.0 | | 5.0 | | 60 | | | 20.0 | 5.0 | | | 15.0 | | | 40 | silty muddy siliceous ooze |
| 1096 | C | 29 | X | 1 | 84 | 464.04 | | eac | 1 | | 0 | 10 | | 90 | | | | | | | | | | | | | | | 93 | | | 5.0 | 1.0 | | | 1.0 | | | 7 | clay |
| 1096 | C | 29 | X | 4 | 76 | 468.46 | | eac | 1 | | 0 | 16 | | 84 | | 10.0 | 4.0 | 76.0 | | | | | | | 1.0 | | 1.0 | | 92 | | | 6.0 | 1.0 | | | 1.0 | | | 8 | clay |
| 1096 | C | 30 | X | 1 | 140 | 474.20 | | œ | 1 | | 0 | 20 | | 80 | | 20.0 | 3.0 | 42.0 | | | | | | 1.0 | | | 3.0 | | 68 | | | 30.0 | | | | 2.0 | | | 32 | Diatomaceous silty clay |
| 1096 | C | 30 | X | 4 | 57 | 477.97 | | œ | | 2 | 0 | 45 | | 55 | | 20.0 | 3.0 | 50.0 | | | # # | | | | # # | | 2.0 | | 88 | | | 10.0 | | | | 2.0 | | | 12 | diatom-bearing silty clay |
| 1096 | C | 30 | X | 5 | 133 | 480.23 | | œ | 1 | | 0 | 25 | | 75 | | 25.0 | 5.0 | 47.0 | | | | | | | 1.0 | | 3.0 | | 77 | | | 20.0 | | | | 3.0 | | | 23 | Diatomaceous silty clay |
| 1096 | C | 30 | X | 6 | 32 | 480.72 | | œ | 1 | | 0 | 60 | | 40 | | 15.0 | 2.0 | 0.0 | | | | | | # # | | | | | 67 | | | 30.0 | | | | 3.0 | | | 33 | Diatomaceous silt |
| 1096 | C | 30 | X | 6 | 110 | 481.50 | | œ | 1 | | 0 | 60 | | 40 | | 20.0 | 2.0 | 18.0 | | | | | | | | | 8.0 | | 48 | | | 50.0 | | | | 2.0 | | | 52 | Diatomaceous ooze |
| 1096 | C | 30 | X | 6 | 22 | 480.62 | | cjp | 1 | | 2 | 60 | | 38 | | 20.0 | | 19.0 | | | | | | | | | | | 39 | | | 60.0 | 0.5 | | | 1.0 | | | 61 | muddy diatom ooze |
| 1096 | C | 31 | X | 1 | 103 | 483.53 | | œ | 1 | | 1 | 25 | | 74 | | 20.0 | 3.0 | 39.0 | 3.0 | 3.0 | | | | | | | 2.0 | | 70 | | | 25.0 | | | | 5.0 | | | 30 | Diatomaceous silty clay |
| 1096 | C | 31 | X | 3 | 59 | 486.09 | | œ | 1 | | 0 | 30 | | 70 | | 15.0 | 3.0 | 52.0 | | 3.0 | | | | | | | | | 73 | | | 25.0 | | | | 2.0 | | | 27 | Diatomaceous silty clay |
| 1096 | C | 31 | X | 5 | 61 | 489.11 | | œ | 1 | | 0 | 25 | | 75 | | 20.0 | 3.0 | 50.0 | | 3.0 | | | | 1.0 | | | 1.0 | | 78 | | | 20.0 | | | | 2.0 | | | 22 | diatom-bearing silty clay |
| 1096 | C | 31 | X | 7 | 50 | 492.00 | | œ | 1 | | 0 | 20 | | 80 | | 15.0 | 2.0 | 69.0 | | | | | | 1.0 | | | 1.0 | | 88 | | | 10.0 | | | | 2.0 | | | 12 | diatom-bearing silty clay |
| 1096 | C | 32 | X | 1 | 71 | 492.81 | | eac | 1 | | 2 | 40 | | 58 | | | | | | | | | | | | | | | 66 | | | 30.0 | 2.0 | | | 1.0 | | | 33 | Diatomaceous silty clay |
| 1096 | C | 32 | X | 4 | 140 | 497.88 | | eac | 1 | | 0 | 30 | | 70 | | | | | | | | | | | | | | | 82 | | | 15.0 | 1.0 | | | 2.0 | | | 18 | diatom-bearing silty clay |
| 1096 | C | 32 | X | 5 | 36 | 498.34 | | eac | | 2 | 0 | 85 | | 15 | | 74.0 | 5.0 | | | | | | | | # # | | 1.0 | | 95 | | | 4.0 | | | | 1.0 | | | 5 | silt |
| 1096 | C | 32 | X | 6 | 56 | 500.04 | | eac | 1 | | 0 | 40 | | 60 | | | | | | | | | | | 1.0 | | | | 86 | | | 12.0 | | | | 2.0 | | | 14 | diatom-bearing silty clay |
| 1096 | C | 34 | X | 1 | 61 | 512.01 | | cjp | | | 0 | 60 | | 40 | | 10.0 | | 20.0 | | | | | | | 1.0 | | | | 31 | | | 69.0 | 0.5 | | | 0.5 | | | 69 | muddy diatom ooze |
| 1096 | C | 34 | X | 1 | 78 | 512.18 | | cjp | | 2 | 1 | 59 | | 40 | | 30.0 | | 29.0 | | | | | | | 1.0 | | | | 60 | | | 40.0 | | | 0.5 | 0.5 | | | 40 | Diatomaceous silty clay |
| 1096 | C | 34 | X | 2 | 100 | 513.90 | | cjp | 1 | | 0 | 50 | | 50 | | 20.0 | | 19.0 | | | | | | | 1.0 | | | | 40 | | | 60.0 | | | 0.5 | 0.5 | | | 60 | muddy diatom ooze |
| 1096 | C | 34 | X | 3 | 70 | 515.10 | | cjp | 1 | | 0 | 30 | | 70 | | 23.0 | | 68.0 | | | | | | | 1.0 | | | | 92 | | | 8.0 | | | | 0.5 | | | 8 | silty clay |
| 1096 | C | 34 | X | 5 | 76 | 518.16 | | cjp | 1 | | 0 | 30 | | 70 | | 21.0 | | 68.0 | | | | | | | 1.0 | | | | 90 | | | 10.0 | | | | | | | 10 | diatom-bearing silty clay |
| 1096 | C | 33 | X | 2 | 100 | 503.49 | | am | 1 | | 0 | 25 | | 75 | | 5.0 | | 70.0 | | | | | | | | | 2.0 | | 77 | | | 15.0 | | | | 5.0 | | 3.0 | 23 | diatom-bearing silty clay |
| 1096 | C | 33 | X | 4 | 27 | 505.76 | | am | 1 | | 1 | 30 | | 69 | | | | | | | | | | | | | | | 50 | | | 30.0 | | | | 5.0 | | 15.0 | 50 | silty clayey siliceous ooze |
| 1096 | C | 33 | X | 4 | 29 | 505.79 | | am | 1 | | 3 | 35 | | 62 | | 8.0 | | 37.0 | | | | | | | | | 5.0 | | 50 | | | 30.0 | | | | 10.0 | | 10.0 | 50 | silty clayey siliceous ooze |
| 1096 | C | 33 | X | 6 | 36 | 508.35 | | am | 1 | | 0 | 30 | | 70 | | | | | | | | | | | | | | | 50 | | | 35.0 | | | | 8.0 | | 7.0 | 50 | silty clayey siliceous ooze |
| 1096 | C | 35 | X | 1 | 61 | 521.61 | | wlf | 1 | | 2 | 28 | | 70 | | 18.0 | 9.0 | 35.0 | 4.0 | | # # | | | | 3.0 | | 8.0 | | 89 | | | 7.0 | | | | 4.0 | | | 11 | silty clay |
| 1096 | C | 35 | X | 3 | 61 | 524.61 | | wlf | 1 | | 2 | 30 | | 68 | | 20.0 | 10.0 | 27.0 | 3.0 | | # # | | | | 3.0 | | 5.0 | | 80 | | | 12.0 | | | | 8.0 | | | 20 | diatom-bearing silty clay |

| Note: 0.5 equal to tr. | | | | | | | | | | | Size | | | | | | Composition - Siliciclastic | | | | | | | | | | | | | Composition - Biogenic | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Leg Site | Hole | Core | Type | Section | Interval (cm) | Depth (mbsf) | Depth (mcd) | Described by | Major lithology (1) | Minor lithology (2) | Sand | Silt | sum {sand+silt} | Clay | sum {sand+silt+clay} | Quartz | Feldspar | Clay (too fine to identify) | Mica | Glauconite | Rock Fragments | Volcanic Glass | Acc. Minerals | Carbonate | Opaque | Framboids/micronodules | Other | Terrigenous (tot silcl.-clay couns) | Total clay + siliciclastic | Nannofossils | Foraminifers | Diatoms | Radiolarians | Coccolith | Silicoflagellates | Sponge Spicules | Shell debris | unidentified/other | Total Biogenic | Sediment or Rock Name |
| 1096 | C | 35 | X | 3 | 101 | 525.01 | | wlf | | 2 | 5 | 35 | | 60 | | 12.0 | 8.0 | 28.0 | 4.0 | | # # | | | | # # | | 5.0 | | 81 | | | 12.0 | | | | 7.0 | | | 19 | diatom-bearing silty clay |
| 1096 | C | 35 | X | 4 | 103 | 526.53 | | wlf | 1 | | 1 | 34 | | 65 | | 15.0 | 5.0 | 27.0 | 2.0 | | 8.0 | | | | 3.0 | | 5.0 | | 65 | | | 20.0 | | | | 15.0 | | | 35 | silty clayey siliceous ooze |
| 1096 | C | 36 | X | 3 | 21 | 533.91 | | wlf | 1 | | 1 | 24 | | 75 | | 15.0 | 4.0 | 56.0 | 2.0 | | 5.0 | | | | | | 5.0 | | 87 | | | 8.0 | | | | 5.0 | | | 13 | silty clay |
| 1096 | C | 36 | X | 5 | 88 | 537.58 | | wlf | 1 | | 4 | 36 | | 60 | | 17.0 | 7.0 | 33.0 | 3.0 | | 9.0 | | | | 3.0 | | 7.0 | | 79 | | | 14.0 | | | | 7.0 | | | 21 | diatom-bearing silty clay |
| 1096 | C | 37 | X | 2 | 90 | 542.80 | | wlf | 1 | | 2 | 33 | | 65 | | 15.0 | 3.0 | 49.0 | 1.0 | | 8.0 | | | | 2.0 | | 8.0 | | 86 | | | 8.0 | | | | 6.0 | | | 14 | silty clay |
| 1096 | C | 37 | X | 6 | 48 | 548.38 | | wlf | 1 | | 5 | 30 | | 65 | | 12.0 | 3.0 | 41.0 | 1.0 | | 9.0 | | | | 2.0 | | 7.0 | | 75 | | | 15.0 | 5.0 | | | 10.0 | | | 25 | silty clayey siliceous ooze |
| 1096 | C | 38 | X | 2 | 79 | 552.39 | | wlf | 1 | | 4 | 26 | | 70 | | 8.0 | 2.0 | 30.0 | 1.0 | | 7.0 | | | | 2.0 | | 5.0 | | 55 | | | 20.0 | 10.0 | | | 15.0 | | | 45 | silty clayey siliceous ooze |
| 1096 | C | 38 | X | 5 | 42 | 556.52 | | wlf | 1 | | 3 | 27 | | 70 | | 20.0 | 8.0 | 32.0 | 4.0 | | # # | | | | 3.0 | | 5.0 | | 82 | | | 10.0 | | | | 8.0 | | | 18 | diatom-bearing silty clay |
| 1096 | C | 40 | X | 1 | 33 | 569.73 | | wlf | 1 | | 1 | 24 | | 75 | | 13.0 | 7.0 | 45.0 | 3.0 | | # # | | | | 2.0 | | 7.0 | | 87 | | | 8.0 | | | | 5.0 | | | 13 | silty clay |
| 1096 | C | 40 | X | 3 | 70 | 573.10 | | wlf | 1 | | 2 | 28 | | 70 | | 14.0 | 8.0 | 40.0 | 2.0 | | # # | | | | 2.0 | | 8.0 | | 86 | | | 5.0 | 4.0 | | | 5.0 | | | 14 | silty clay |
| 1096 | C | 41 | X | 1 | 40 | 579.50 | | cjp | 1 | | 0 | 20 | | 80 | | 10.0 | | 75.0 | | | | | | | | | | | 85 | | | 15.0 | | | | 0.5 | | | 15 | diatom-bearing clay |
| 1096 | C | 41 | X | 3 | 48 | 582.58 | | cjp | 1 | | 0 | 30 | | 70 | | 14.0 | | 60.0 | | | | | | | 1.0 | | | | 75 | | | 25.0 | | | | 0.5 | | | 25 | diatom-bearing silty clay |
| 1096 | C | 41 | X | 3 | 85 | 582.95 | | cjp | 1 | | 1 | 59 | | 40 | | 10.0 | | 30.0 | | | | | | | | | | | 40 | | | 60.0 | 0.5 | | | | | | 40 | muddy diatom ooze |
| 1096 | C | 41 | X | 4 | 81 | 584.41 | | cjp | 1 | | 0 | 60 | | 40 | | 10.0 | | 30.0 | | | | | | | | | | | 40 | | | 60.0 | 0.5 | | | 0.5 | | | 60 | muddy diatom ooze |
| 1096 | C | 41 | X | 6 | 71 | 587.31 | | cjp | 1 | | 0 | 30 | | 70 | | 20.0 | | 70.0 | | | | | | | | | | | 90 | | | 10.0 | | | | | | | 10 | diatom-bearing silty clay |
| 1096 | C | 42 | X | 1 | 20 | 588.80 | | eac | 1 | | 0 | 40 | | 60 | | | | | | | | | | | | | | | 66 | | | 40.0 | 2.0 | | | 2.0 | | | 44 | muddy diatom ooze |
| 1096 | C | 43 | X | cc | 10 | 598.20 | | ne | 1 | | 0 | 25 | | 75 | | 50.0 | | 40.0 | | | | | | | 5.0 | | | | 95 | | | 5.0 | | | | | | | 5 | silty clay |