

Meter	Graphic Lith.	Section	Age	Structure	Disturb.	Sample	Description
1		1	Quaternary		○	S	<p>CLAYEY SILT to SILTY CLAY and SAND to SILTY SAND</p> <p>Major Lithology: Greenish gray to olive gray and medium dark gray CLAYEY SILT to SILTY CLAY Uppermost 60 cm contains abundant biogenic material. Generally homogeneous with local color bands, silt laminae, and black patches of Mn-oxide or Fe-sulfide.</p> <p>Minor Lithology: Medium dark gray SAND to SILTY SAND with sharp base in Section 5, 5 cm, normal size grading, gradational top. Soupy core with no preservation of internal structures.</p>
2		2			●	IW/WR	
3		3			●	S	
4		4				IW/WR	
5		5				IW/WR	
6		6				S	
7		7		△	IW/WR		
8		8			IW/WR		
9		9	CC		~	IW/WR	



SITE 1024 HOLE B CORE 1H CORED 0.0 - 7.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb.	Sample	Description
1	[Hatched pattern]	1	Quaternary		○	S	<p>CLAYEY SILT to SILTY CLAY and SAND to SILTY SAND</p> <p>Major Lithology: Greenish gray to olive gray SILTY CLAY to CLAYEY SILT. Uppermost 30 cm contains abundant biogenic debris and shows evidence of oxidation. Color banding, laminae and very thin beds of silt, local black discoloration from Mn-oxide or Fe-sulfide.</p> <p>Minor Lithology: SILTY SAND to SAND with sharp bases in Section 3, 63 cm, Section 5, 57 cm and 115 cm. Fairly sharp tops. No preservation of internal structure.</p>
					○	S PP	
					○	S PP	
					○	IW/WR	
					○	PP	
					○	S S S	
					○	PP	
					○	IW/WR	
					○	S	
					○	PP	
2	[Hatched pattern]	2					
3	[Dotted pattern]	3					
4	[Hatched pattern]	4					
5	[Hatched pattern]	5					
6	[Dotted pattern]	6					
7	[Hatched pattern]	7					
	[Hatched pattern]	CC					

Meter	Graphic Lith.	Section	Age	Structure	Disturb.	Sample	Description	
1		1	Quaternary	—	●	PP	CLAYEY SILT to SILTY CLAY, SANDY SILT, SILT, and SAND Major Lithology: CLAYEY SILT to SILTY CLAY with color variations from light olive gray to greenish gray and local black stain from Mn-oxide or Fe-sulfide. Very thin interbeds and laminae of silt. <i>Zoophycos</i> in Section 7.	
2		2		—	●	WR		
3		3		—	●	PP	Minor Lithology: Thin beds of SILT and SANDY SILT, with bases in Section 1, 24 cm, 53 cm, 62 cm, 107 cm, and 118 cm, Section 2, 25 cm, 34 cm, 49 cm, and 81 cm, Section 3, 66 cm, 89 cm, 114 cm, 128 cm, and 136 cm, Section 4, 38 cm, 70 cm, 92 cm, and 126 cm, Section 5, 29 cm, Section 6, 18 cm and 43 cm. Dark greenish gray SAND with sharp base in Section 5, 83 cm. Normal size grading and gradational top.	
4		4		—	●	IW/WR		
5		5		—	●	WR		
6		6		4	—	●	WR	General Description: Interbedded lithologies probably represent turbidites and hemipelagic mud deposits.
7		7		5	▲	●	IW/WR	
8		8	6	—	●	PP		
9		9	6	—	●	S		
		10	7	➤➤➤	●	WR		
		CC			●			

SITE 1024 HOLE B CORE 3H CORED 17.1 - 26.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb.	Sample	Description
1	[Pattern]	1	Quaternary	[Symbol]		S S PP	CLAYEY SILT to SILTY CLAY, SILT, SANDY SILT, and SAND Major Lithology: Greenish gray to light olive gray CLAYEY SILT to SILTY CLAY with local silt laminae and black stain due to Fe-sulfide or Mn-oxide. Generally homogeneous.
2	[Pattern]	2		[Symbol]		WR	
3	[Pattern]	3		[Symbol]		PP	Minor Lithologies: Medium gray to medium light gray SAND with bases in Section 3, 67 cm, and Section 4, 49 cm. Thin beds of SILT and SANDY SILT distributed throughout core, typically 1-2 cm in thickness. Sharp bases, normal size grading, gradational tops, local planar laminae, load structures.
4	[Pattern]	4		[Symbol]		WR	
5	[Pattern]	5		[Symbol]		WR	General Description: Rhythmic interbeds probably represent turbidites and hemipelagic mud deposits.
6	[Pattern]	6		[Symbol]		S PP	
7	[Pattern]	7		[Symbol]		WR	
8	[Pattern]	8		[Symbol]		IW/WR	
9	[Pattern]	9		[Symbol]		PP	
	[Pattern]	CC		[Symbol]		WR	

SITE 1024 HOLE B CORE 4H CORED 26.6 - 36.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb.	Sample	Description
1		1	Quaternary			S PP S S	<p>SILTY CLAY to CLAYEY SILT, SANDY SILT, and SILT</p> <p>Major Lithology: Light olive gray to greenish gray and yellowish brown SILTY CLAY to CLAYEY SILT with variable carbonate content. Local variegated intervals and color banding.</p> <p>Minor Lithologies: Thin beds of medium light gray SANDY SILT and SILT in Section 1, 20 cm, Section 2, 45 cm and 141 cm, Section 3, 25 cm and 47 cm, Section 4, 71 cm and 78 cm, Section 5, 5 cm, 10 cm, 49 cm, 81 cm, 92 cm, 122 cm, 130 cm, and 136 cm, Section 6, 11 cm, 20 cm, 34 cm, 54 cm, 86 cm, 113 cm, and 127 cm, Section 7, 18 cm, and Core Catcher, 8 cm, 18 cm, and 25 cm. Beds generally are 1-2 cm in thickness, with sharp to erosional bases, normal size grading, gradational tops.</p> <p>General Description: Rhythmic interbeds probably represent fine-grained turbidites and hemipelagic mud deposits.</p>
2		2				PP S	
3		3				WR	
4		4				WR PP S	
5		5				WR	
6		6				WR	
7		7				IW/WR	
8	8	WR					
9	9						
		7					
		CC					

SITE 1024 HOLE B CORE 5H CORED 36.1 - 45.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb.	Sample	Description
1		1	Quaternary			PP	<p>CLAYEY SILT to SILTY CLAY, SILT, SILTY SAND, and SAND</p> <p>Major Lithologies: Light olive gray CLAYEY SILT to SILTY CLAY with local silt laminae. Interbeds of dark greenish gray SAND and SILTY SAND, with bases in Section 1, 145 cm, Section 2, 33 cm, 52 cm, 104 cm, and 146 cm, Section 3, 50 cm and 109 cm, Section 4, 47 cm, Section 5, 9 cm and 109 cm. Sharp to erosional bases, normal size grading, gradational tops.</p> <p>Minor Lithology: Thin beds of SILT and SANDY SILT in Section 1, 46 cm, 73 cm, 90 cm, 109 cm, and 145 cm, Section 2, 8 cm and 73 cm, Section 3, 18 cm, Section 4, 81 cm, Section 5, 57 cm and 74 cm, Section 6, 12 cm, 40 cm, 110 cm, and 126 cm, Section 7, 20 cm, and Core Catcher, 4 cm. Sharp to erosional bases, normal size grading, gradational tops, rare planar laminae.</p> <p>General Description: Interbedded lithologies probably represent turbidites and hemipelagic mud deposits. Thick sand beds are soupy and internal structures lost by coring disruption.</p>
1		1		∞		WR	
2		2				PP	
2		2				WR	
3		3				PP	
3		3				WR	
4		4				WR	
4		4				WR	
5		5			○	WR	
5		5			○	WR	
6		6			○	PP	
6		6			○	WR	
6		6			○	PP	
6		6			○	WR	
7		7		○	WR		
7		7		○	WR		
7		7		○	WR		
8		8			IW/WR		
8		8			IW/WR		
9		9			WR		
9		9			WR		
		CC					

SITE 1024 HOLE B CORE 6H CORED 45.6 - 55.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb.	Sample	Description		
1		1	Quaternary			S S PP	CLAYEY SILT to SILTY CLAY, SILT, SILTY SAND, and SAND Major Lithologies: Greenish gray, dark greenish gray, and light olive gray CLAYEY SILT to SILTY CLAY. Interbeds of olive gray to medium gray SILT, SILTY SAND, and SAND, with sharp to erosional bases in Section 1, 22 cm, 67 cm, and 106 cm, Section 2, 44 cm, 65 cm, and 106 cm, Section 3, 47 cm, 87 cm, 112 cm, 123 cm, and 132 cm, Section 4, 17 cm, 25 cm, 54 cm, 63 cm, 108 cm, and 125 cm, Section 5, 18 cm, 49 cm, 75 cm, 91 cm, and 139 cm, Section 6, 26 cm, 81 cm, and 135 cm, Section 7, 25 cm and 40 cm, and Core Catcher, 17 cm. Normal size grading, gradational tops, planar laminae.		
2		2						○	PP
3		3						○	
4		4						○	
5		5						○	PP
6		6						○	
7		7						○	
8		8		●	IWWR PP				
9		9		●					
		CC							

General Description:
Rhythmic interbeds probably represent turbidites and hemipelagic mud deposits. Stratal disruption in Section 1, 44 to 58 cm, appears to be soft-sediment recumbent fold.

SITE 1024 HOLE B CORE 7H CORED 55.1 - 64.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb.	Sample	Description
1		1	Quaternary			PP	<p>CLAYEY SILT to SILTY CLAY, SILT, SANDY SILT, and SAND</p> <p>Major Lithologies: Light olive gray CLAYEY SILT to SILTY CLAY with local silt laminae. Interbeds of dark greenish gray SILT, SANDY SILT, and SAND, with sharp to erosional bases in Section 1, 90 cm, 111 cm, 129 cm, and 143 cm, Section 2, 42 cm, 72 cm, 120 cm, and 130 cm, Section 3, 31 cm, 57 cm, 82 cm, 108 cm, and 129 cm, Section 4, 30 cm, 40 cm, 75 cm, and 129 cm, Section 5, 23 cm, 62 cm, 80 cm, and 121 cm, Section 6, 30 cm and 87 cm, Section 7, 37 cm, Core Catcher, 17 cm and 21 cm. Normal size grading, gradational tops, planar laminae.</p> <p>General Description: Rythmic interbeds probably represent turbidites and hemipelagic mud deposits.</p>
1		1		PP			
2		2		PP			
2		2					
3		3		S			
3		3					
4		4					
5		4		PP			
6		5					
7		6		IW/WR			
8		6	S				
8		6	PP				
9		7					
9		CC					

SITE 1024 HOLE B CORE 8H CORED 64.6 - 74.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb.	Sample	Description		
1		1	Quaternary			PP	CLAYEY SILT to SILTY CLAY, SILTY SAND, SILT, and SAND		
1		1				S	neous greenish gray CLAYEY SILT to SILTY CLAY. Interbeds of dark greenish gray to olive gray SAND and SILTY SAND, with sharp to erosional bases in Section 3, 13 cm, Section 4, 34 cm and 126 cm, Section 5, 36 cm, Section 6, 64 cm. Normal size grading, gradational tops, local planar laminae and load structures.		
2		2				PP	Minor Lithology: Thin beds of SILT, with sharp to erosional bases in Section 3, 40 cm, Section 4, 67 cm, 82 cm, Section 5, 48 cm and 65 cm, Section 6, 77 cm, 83 cm, 90 cm, 110 cm, and 146 cm, and Core Catcher, 17 cm. Normal size grading, gradational tops, local planar laminae. Major Lithologies: Homoge		
3		3							
4		3						○	
5		4						○	
6		4						PP	General Description: Interbedded lithologies probably represent turbidites and hemipelagic mud deposits. Thick sands are soupy and thicknesses may have been distorted by flow in core liner.
7		5							
8		6			IW/WR				
9		6							
		7							
		CC				PP			

SITE 1024 HOLE B CORE 9H CORED 74.1 - 83.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb.	Sample	Description
1		1	Quaternary		—	PP	<p>CLAYEY SILT to SILTY CLAY, SILT, SANDY SILT, and SAND</p> <p>Major Lithology: Greenish gray CLAYEY SILT to SILTY CLAY, with local irregular patches or very thin interlayers of silt and sand. Local patches of darker green color.</p> <p>Minor Lithologies: Dark greenish gray SAND, with sharp to erosional bases in Section 2, 87 cm, Section 3, 147 cm, Section 4, 137 cm, Section 6, 30 cm, Core Catcher, 40 cm. Normal size grading, gradational tops, planar laminae. Thin beds of medium gray to light greenish gray SILT and SANDY SILT, with sharp to erosional bases in Section 1, 12 cm, 49 cm, 57 cm, and 79 cm, Section 2, 111 cm, Section 3, 10 cm, 38 cm, and 67 cm, Section 4, 27 cm, Section 5, 24 cm, 82 cm, and 110 cm, Section 6, 85 cm, Section 7, 3 cm.</p> <p>Normal size grading, gradational tops, planar laminae, load structures.</p> <p>General Description: Interbedded lithologies probably represent turbidites and hemipelagic mud deposits.</p>
2		2			●	S	
3		3			—	PP	
4		4			—	PP	
5		5			—	S	
6		6			—	S	
7		7			—	PP	
8		8		●	IW/WR		
9		9		●	WR		
		CC		●	PP		

Meter	Graphic Lith.	Section	Age	Structure	Disturb.	Sample	Description
1		1	Quaternary		-	PP S	CLAYEY SILT to SILTY CLAY, SILT, and SAND Major Lithology: Greenish gray to light greenish gray and olive gray CLAYEY SILT to SILTY CLAY with patches and thin bands of darker green color. Locally mottled.
2		2				PP	Minor Lithologies: Medium dark gray SAND, with sharp to erosional bases in Section 1, 44 cm, Section 3, 113 cm, Section 5, 120 cm, Section 7, 24 cm. Normal size grading, gradational tops, local planar laminae. Thin beds of SILT in various shades of gray, with sharp to erosional bases in Section 1, 68 cm, Section 2, 9 cm and 40 cm, Section 4, 7 cm and 62 cm, Section 5, 42 cm, 83 cm, and 120 cm, Section 6, 31 cm, 65 cm, and 79 cm. Normal size grading, gradational tops, local planar laminae.
3		3					
4		4					
5		5					
6		6					
7		7					
8		8				IW/WR	
9		9				PP	General Description: Interbedded lithologies probably represent turbidites and hemipelagic mud deposits.

SITE 1024 HOLE B CORE 11H CORED 93.1 - 102.6

Meter	Graphic Lith.	Section	Age	Structure	Disturb.	Sample	mbsf Description
1		1	Quaternary			PP	<p>CLAYEY SILT to SILTY CLAY, SILT, SILTY SAND, and SAND</p> <p>Major Lithologies: Medium greenish gray CLAYEY SILT to SILTY CLAY with local green to olive color bands. Interbeds of medium gray SILTY SAND and SAND, with bases in Section 1, 57 cm and 111 cm, Section 2, 84 cm, Section 3, 149 cm, Section 5, 135 cm, and Section 6, 47 cm and 121 cm. Sharp to erosional bases, normal size grading, gradational tops, planar laminae.</p>
2		2					
3		3					
4		4					
5		5					
6		6					
7		7					
8		8					<p>Minor Lithology: Thin beds of medium light gray SILT, with bases in Section 1, 11 cm, Section 2, 139 cm, Section 3, 25 cm, 61 cm, 84 cm, and 104 cm, Section 4, 22 cm, 89 cm, 95 cm, 103 cm, 132 cm, 136 cm, and 139 cm, Section 5, 8 cm, 27 cm, 34 cm, 42 cm, and 59 cm, and Section 7, 21 cm. Sharp to erosional bases, normal size grading, gradational tops, planar laminae. Section 5, 0 to 70 cm, displays very thin interlayers of silt and clayey silt..</p> <p>General Description: Interbedded lithologies probably represent turbidites and hemipelagic mud deposits. Section 5, 43 to 55 cm, displays contorted interlayers of silt and clayey silt, likely due to soft-sediment gravitational folding.</p>
9		9					
		CC					

SITE 1024 HOLE B CORE 12H CORED 102.6 - 112.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb.	Sample	Description
1		1	Quaternary		-	PP S	<p>CLAYEY SILT to SILTY CLAY, SILT, SILTY SAND, and SAND</p> <p>Major Lithology: Variegated to mottled CLAYEY SILT to SILTY CLAY with color ranging from greenish gray to olive, medium gray, and dark gray. Local silt laminae, black patches of Mn-oxide or Fe-sulfide, and subtle color banding.</p> <p>Minor Lithologies: Beds of medium dark gray to medium gray, fine-grained SAND, SILTY SAND, and SILT in Section 1, 32 cm and 64 cm, Section 3, 20 cm and 69 cm, Section 4, 94 cm, Section 5, 19 cm and 52 cm, and Section 6, 12 cm. Sharp to erosional bases, normal size grading, planar laminae, and gradational tops.</p> <p>General Description: Lithologies are interbedded throughout core and probably represent turbidites and hemipelagic mud deposits. Small lithoclasts in Section 1, 98 cm, and Section 2, 125 cm. Section 7 not split properly due to damaged core liner.</p>
2		2					
3		3					
4		4					
5		5					
6		6					
7		7					
8		8		PP	IW/WR		
9		9		S			

SITE 1024 HOLE B CORE 13H CORED 112.1 - 121.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb.	Sample	Description
1		1	Quaternary		-	PP	<p>CLAYEY SILT to SILTY CLAY, SANDY SILT to SILTY SAND, and SILT</p> <p>Major Lithology: Light greenish gray to light olive CLAYEY SILT to SILTY CLAY with local faint laminae and bioturbation.</p> <p>Minor Lithologies: Medium light gray to light gray SANDY SILT to SILTY SAND and SILT beds in Section 1, 42 cm and 70 cm, Section 2, 7 cm, 43 cm, and 104 cm, Section 3, 20 cm, 61 cm, and 107 cm, Section 4, 8 cm, 76 cm, and 126 cm, Section 5, 39 cm, 79 cm, and 133 cm, Section 6, 64 cm, 81 cm, and 133 cm, Section 7, 4 cm and 36 cm. Beds generally are 1-2 cm thick, with sharp bases, normal size grading, gradational tops, local planar laminae, and convolute laminae.</p> <p>General Description: Rhythmic interbeds probably represent fine-grained turbidites and hemipelagic mud deposits.</p>
1		1				S	
2		2				PP	
3		3					
4		3					
5		4				PP S	
6		4					
7		5					
8		6		IW/WR			
9		6		PP			
		7					

Meter	Graphic Lith.	Section	Age	Structure	Disturb.	Sample	Description
1		1	Quaternary	—		PP	<p>SILTY CLAY to CLAYEY SILT and SILT</p> <p>Major Lithology: Light greenish gray to olive gray SILTY CLAY to CLAYEY SILT. Faint laminae, local bioturbation, patches of darker color.</p> <p>Minor Lithology: Thin beds of olive gray SILT, with bases in Section 1, 38 cm, 75 cm, and 124 cm, Section 2, 17 cm, 91 cm, and 138 cm, Section 3, 84 cm and 144 cm, Section 4, 59 cm, Section 5, 9 cm and 61 cm, Section 6, 46 cm and 139 cm. Generally 1-2 cm thick with sharp bases, normal size grading, gradational tops, and planar laminae.</p> <p>General Description: Rhythmic interbeds probably represent silt turbidites, mud turbidites, and hemipelagic mud deposits.</p>
2		2		△ —			
3		3		△ —			
4		4		△ —			
5		5		△ —			
6		6		△ —			
7		7		△ —			
8	8	△ —	IW/WR	●			
9	9	△ —		●			
		CC					

SITE 1024 HOLE B CORE 15X CORED 131.2 - 140.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb.	Sample	Description
1		1	Quaternary		•	S	<p>CLAYEY SILT to SILTY CLAY and SILT</p> <p>Minor Lithology: nish gray to olive gray CLAYEY SILT to SILTY CLAY. Generally homogeneous with local color changes and darker bands.</p> <p>Thin beds of SILT located in Section 1, 53 cm, Section 2, 11 cm, 74 cm, and 135 cm, Section 3, 56 cm, Section 4, 51 cm, Section 5, 125 cm, and Section 7, 25 cm. Sharp bases, gradational tops. Major Lithology: Gree</p> <p>General Description: Interbeds probably represent thin-bedded, fine-grained turbidites and hemipelagic mud deposits.</p>
1				•	S		
2				•	PP		
3				•			
4				•			
5				•			
6				•			
7		5		•	PP		
8		6		•	IW/WR		
9		7		•			
		CC		•			

SITE 1024 HOLE B CORE 16X CORED 140.8 - 150.4 mbsf

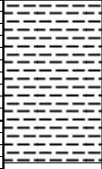
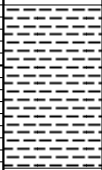
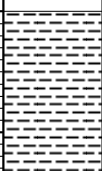
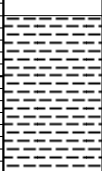
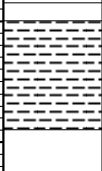
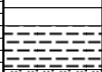

Meter	Graphic Lith.	Section	Age	Structure	Disturb.	Sample	Description	
1		1	Quaternary			S	CLAYEY SILT to SILTY CLAY and SILT Major Lithology: Greenish gray to light olive gray SILTY CLAY to CLAYEY SILT. Local patches of darker green color, very thin layers and irregular patches of silt, and bioturbation.	
2		2		PP				Minor Lithology: Thin beds of medium light gray SILT in Section 2, 123 cm and Section 6, 140 cm. Sharp bases, normal size grading, gradational tops.
3		3						
4		4						
5		5					PP	
6		6					IW/WR	
7		7						S
8	CC							



SITE 1024 HOLE B CORE 17X CORED 150.4 - 160.0 mbsf

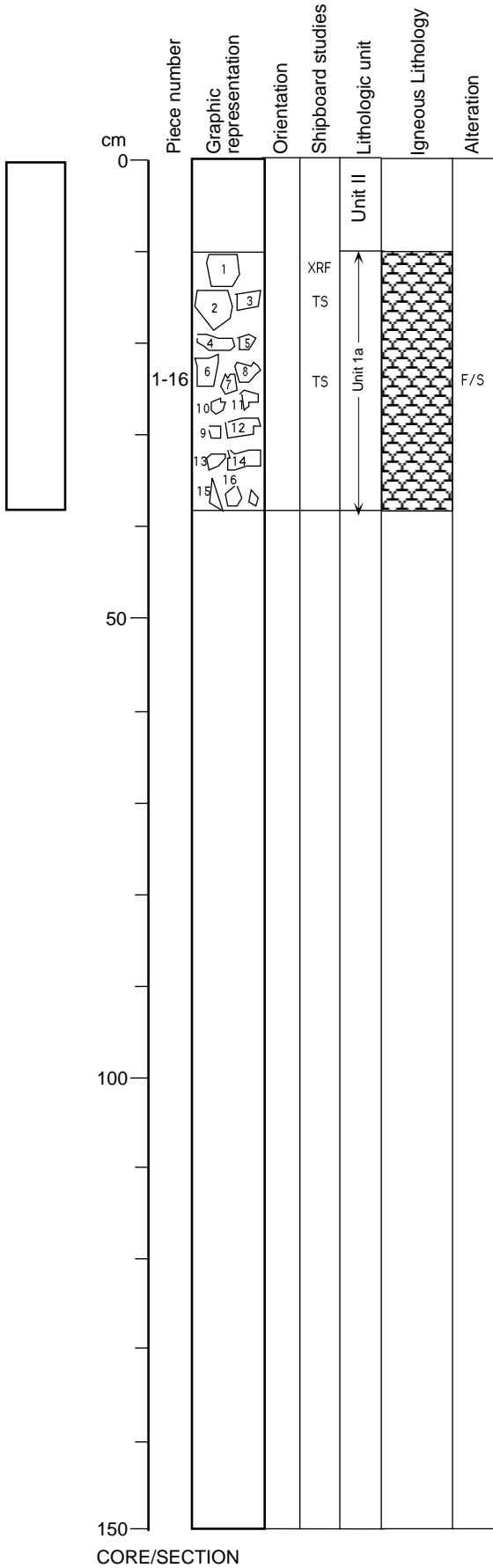
Meter	Graphic Lith.	Section	Age	Structure	Disturb.	Sample	Description				
1		1	Quaternary	◆		PP	<p>SILTY CLAY to CLAYEY SILT</p> <p>Major Lithology: Greenish gray to light greenish gray SILTY CLAY to CLAYEY SILT. Local lithoclasts and pyrite nodules. Variable content of calcareous nannofossils.</p>				
2		2		S							
3		3						S			
4									4		
5											
6		6						S			
7											
8	8			S	IW/WR						
9											
		7									
		CC									

SITE 1024 HOLE B CORE 18X CORED 160.0 - 169.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb.	Sample	Description
1		1	Quaternary		—	S	SILTY CLAY and BASALT Major Lithology: Greenish gray to light greenish gray SILTY CLAY with local darker green patches. Content of nannofossils is variable.
2		2		IW	Minor Lithology: BASALT rubble. Contact with sediment in Core Catcher, 9 cm. See Hard Rock Description for additional information.		
3		3		IW			
4		4		IW			
5		5		S S IW/WR			
6		6		S			
7		CC	IW	IW			



168-1024B-18X-CC



UNIT II: Muddy lithology (see Sedimentary VCD).

UNIT 1a: APHYRIC BASALT

PIECES 1-16

CONTACTS: None.

PHENOCRYSTS: Traces of plagioclase and pyroxene.

GROUNDMASS: Cryptocrystalline.

VESICLES: ≤1%, ≤0.2mm

COLOR: Medium to dark blue-gray, 2.2PB 1.9/0.2 to 3.9PB 1.9/0.1

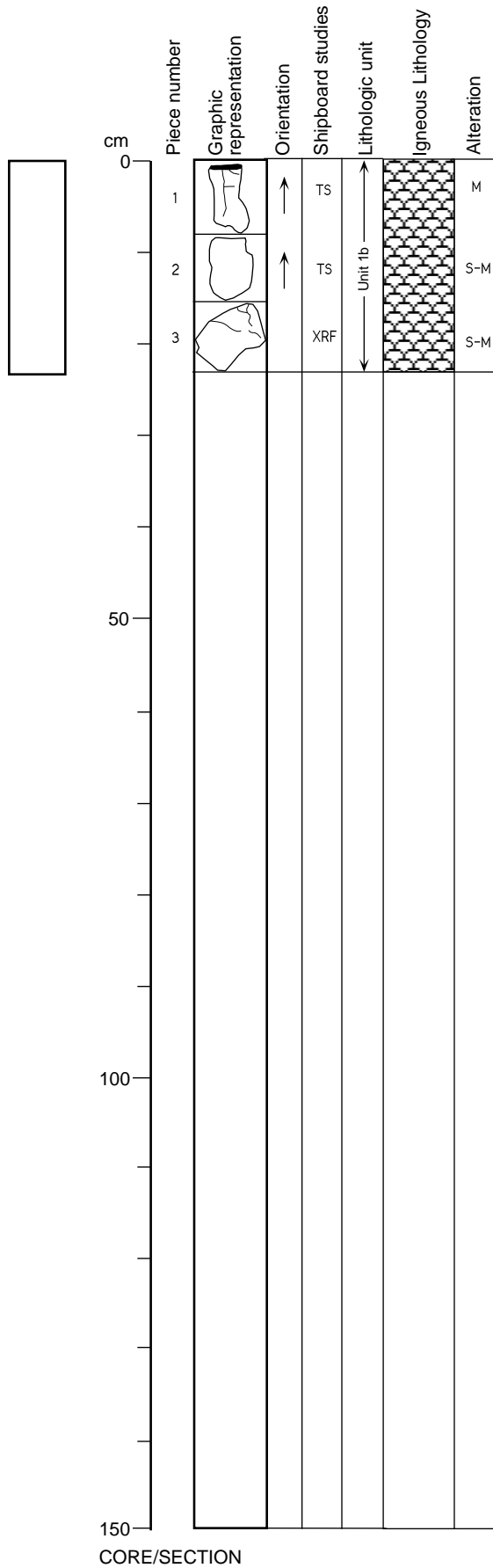
STRUCTURE: Pillow fragments.

ALTERATION: Blue-gray and yellow-green clay minerals on outer surfaces of pieces 1-6, 9, 10 and 13. Alteration haloes visible on pieces 1, 2, 5, 6 and 8-15, ranging from 1-5mm wide.

VEINS/FRACTURES: None.

ADDITIONAL COMMENTS: Glassy rim fragments (smooth texture) on pieces 3, 7, 8, 11, 12 & 15.

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UNIT 1b: APHYRIC BASALT

PIECES 1-3

CONTACTS: None.

PHENOCRYSTS: Traces of plagioclase phenocrysts (anhedral to euhedral elongated prisms, 0.5-1mm) and glomerocrysts (≤ 2 mm). Olivine phenocrysts (≤ 0.5 mm) are completely replaced by either orange iddingsite and bright green celadonite (within the oxidation haloes), or dark green clay.

GROUNDMASS: Cryptocrystalline.

VESICLES: Piece 1 has 0.5–7% (strong increase from chilled margin to inner part); piece 2, $\leq 2\%$; piece 3, $< 1\%$.

COLOR: Gray, 4.8PB 2.9/0.2 to 4.2PB 1.6/0.1

STRUCTURE: Pillow fragments.

ALTERATION: Concentric alteration haloes (4-5mm) are visible on pieces 1 and 2. An alteration halo (4mm) occurs around the fracture on piece 1. Orange to yellow iddingsite \pm FeO(OH) and celadonite occur within the alteration haloes (in vesicles, cavities, and mafic pseudomorphs). In some cases, iddingsite and celadonite occur together as vesicle fillings, with iddingsite after celadonite. Vesicles outside of the haloes are generally empty to partially filled by pale blue saponite. External surfaces are coated by dark blue saponite. An oxidation spot occurs on the glassy rim of piece 1, and on outer surfaces of pieces 1 and 2. In piece 3, alteration occurs as irregular, mottled dark brown-gray and light gray patches. There is no clear relationship between these patches and the rock margin. There is also a trace amount of iddingsite + dark green clay + pyrite in two of the irregular fractures at the top of the piece, whilst all others contain pale blue saponite.

VEINS/FRACTURES: Fractures (< 1 mm) in piece 1. Veinlet ($< < 1$ mm) filled by iddingsite \pm celadonite \pm white minerals in piece 1. Fractures (< 0.5 mm) cut across piece 3

ADDITIONAL COMMENTS: Glassy rim (≤ 1 mm) on piece 1 (partially altered). A centimetric band consisting of a high concentration of cavities and vesicles cuts piece 2. The cavities and vesicles are empty or partially filled by very pale blue saponite, which forms dendritic to botryoidal aggregates. These are sometimes associated with trace pyrite blebs. Piece 3 may be out of sequence as it was caught in the drill-bit.