

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			c	st	sd	g				Day shift	2-4-19
-0		heavy disturbed									
-2		fall in									
-4											
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-58		slight bowed									
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-92											
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-96											
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-100	SS										
-102	102cm										
-104	15%										
-106											
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-148											
-150											
-152											

Very dark gray biosilicious - bearing mud  
thinly laminated

2 granules at 48cm  
49 Discontinuous sand lamina  
59 Discontinuous sand lamina  
148cm silt pod

Smear slide - diatoms, sponge spicules as broken bits

SS  
102cm  
15%

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				Day Shift	2-4-19
									Comments Overlaps with Hole B Core 11F		
0									Section 3A, 4A, CC		
2								0	0-22 cm		
4									Very dark gray		
6									biosiliceous-bearing mud		
8									thinly laminated		
10	slight								sharp basal boundary		
12	bowing							0			
14											
16											
18											
20											
22											
24											
26								0	22-44 cm dark gray		
28									biosiliceous bearing mud		
30											
32											
34								0	22-30 cm		
36									faint laminae moderate bioturb.		
38											
40											
42											
44											
46	slight							1	44cm gradational contact		
48	bowing										
50											
52											
54											
56								3	44-88 cm		
58									Dark greenish gray		
60									biosiliceous-rich mud		
62									with sand grains +		
64									granules throughout		
66								0			
68											
70											
72	SS										
74	72										
76	cm										
78											
80								1	- granite pebble		
82									distinctive		
84									113-136 cm - dark greenish		
86									gray color banding (thin < 3mm)		
88								0	gradational contact		
90											
92											
94											
96											
98								0	88-124 cm		
100									Dark gray biosiliceous-rich		
102									mud		
104									tilted 104-105 cm		
106									silt layer (lt. gray)		
108								0	108.5-109.5 cm		
110									silt pod		
112											
114	green										
116								0			
118											
120											
122	gr								gradational		
124									124 cm - 144 cm		
126	gr							0	very dark gray biosiliceous-		
128									bearing mud		
130	gr										
132											
134	gr							0			
136											
138	gr										
140											
142											
144											
146								0	144 cm - 150 cm		
148									dark gray biosiliceous-		
150									bearing mud		
152											

CM Scale

slight bowing

slight bowing

SS 72 cm

oval burrows

green

gr

gr

gr

gr

mod

40

50

80

heavy

color banding

slight

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				Day shift	2-4-19
0									<p>0-116cm                      very dark gray biosiliceous-bearing mud                      (thinly laminated)</p> <p>1 gravel @ 106cm</p> <p>microfaulting present due to drilling disturbance throughout</p>		
-2											
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CM Scale

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sight bowing

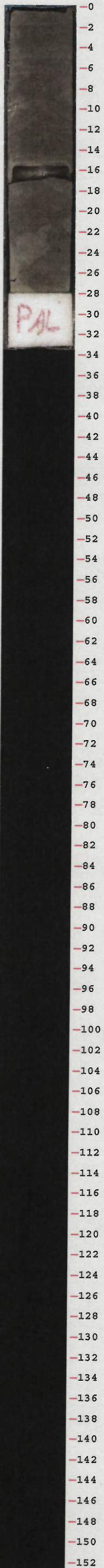


CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: . Day Shift	Date: 2-4-19
							Comments	
0								
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30								
32								
34								
36								
38		Slight						
40		cracking						
42								
44								
46								
48								
50	SS							
52	50							
54	cm							
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136								
138								
140								
142								
144								
146								
148								
150								
152								

0-60cm  
 very dk gray biosuccous-  
 bearing mud  
 thinly laminated

thin cracks throughout.  
 micro faulting due to  
 drilling disturbance

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
							Day Shift	2-14-19
0							Comments 0-28cm very dark gray biosiliceous - bedding mud thinly laminated gravel at 13cm micro faulting due to drilling	
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
24								
26								
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142								
144								
146								
148								
150								
152								



moderate



CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				Day shift	2-4-19
0		↑					0	.	↑	0-150 cm very dark gray biosiliceous bearing mud. - thinly laminated throughout. -14cm - granules	
2											
4		↓					0	.	↑		
6											
8		↓					0	.	↑		
10											
12		↓					0	.	↑		
14											
16		↓					0	.	↑		
18											
20		↓					0	.	↑		
22											
24		↓					0	.	↑		
26											
28		↓					0	.	↑		
30											
32		↓					0	.	↑		
34											
36		↓					0	.	↑		
38											
40		↓					0	.	↑		
42											
44		↓					0	.	↑		
46											
48		↓					0	.	↑		
50											
52		↓					0	.	↑		
54											
56		↓					0	.	↑		
58											
60		↓					0	.	↑	Small silty pod - 58-59cm.	
62											
64		↓					0	.	↑		
66											
68		↓					0	.	↑		
70											
72		↓					0	.	↑		
74											
76		↓					0	.	↑		
78											
80		↓					0	.	↑		
82											
84		↓					0	.	↑		
86											
88		↓					0	.	↑		
90											
92		↓					0	.	↑		
94											
96		↓					0	.	↑		
98											
100		↓					0	.	↑		
102											
104		↓					0	.	↑	-107-108cm granule	
106											
108		↓					0	.	↑	-109cm granules	
110											
112		↓					0	.	↑		
114											
116		↓					0	.	↑		
118											
120		↓					0	.	↑		
122											
124		↓					0	.	↑		
126											
128		↓					0	.	↑		
130											
132		↓					0	.	↑		
134											
136		↓					0	.	↑	-135cm granules	
138											
140		↓					0	.	↑	-137-138cm - two granules	
142											
144		↓					0	.	↑	-138-139cm granules	
146											
148		↓					0	.	↑		
150											
152		↓							↓		

ST

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				Day shift	2-4-19
0									Comments		
2									very dark gray biosiliceous bearing mud.		
4									Thinly laminated		
6											
8											
10											
12											
14											
16											
18									-18-19cm granule		
20											
22											
24											
26											
28											
30											
32									32cm medium sized sand grains		
34											
36											
38											
40		↑									
42											
44											
46											
48											
50											
52											
54											
56											
58											
60											
62											
64											
66											
68											
70											
72											
74											
76											
78								0			
80											
82									-81cm granule		
84											
86											
88											
90											
92											
94											
96											
98											
100											
102											
104											
106											
108											
110											
112											
114											
116											
118											
120											
122											
124											
126											
128											
130											
132									-131-132cm granule		
134											
136											
138											
140											
142											
144											
146											
148											
150											
152											



CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				Day Shift	2-4-19
0									Comments		
2						1		↑	0-9cm - dark greenish-gray biosiliceous bearing mud. Color banded with dark gray (6-9cm)		
4											
6											
8											
10											
12						12cm					
14									-9cm - Sharp boundary to very dark gray biosiliceous bearing mud that is finely laminated		
16											
18											
20											
22											
24									-12-13cm granule		
26											
28											
30											
32											
34											
36											
38											
40											
42											
44											
46									-49cm granule		
48											
50											
52											
54											
56											
58									-59cm Small pods of silty sand		
60									-61-62cm pod of 1cm with silty sand granules		
62											
64											
66											
68											
70											
72											
74									-73cm granule		
76											
78											
80											
82											
84											
86											
88											
90									-90cm Two granules		
92											
94											
96											
98											
100											
102									-103cm Two granules		
104											
106											
108											
110											
112									-113cm granule		
114											
116											
118											
120											
122											
124											
126											
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146											
148											
150											
152											

↑  
bowing  
↓

↑  
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↓

0  
0

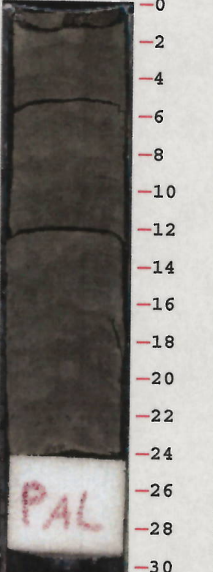
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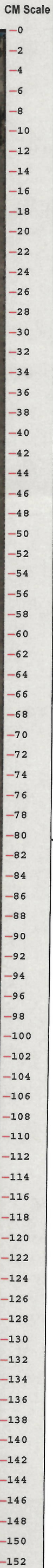
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CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
							Day Shift	2-4-19
0						0	Very dark gray biosiliceous bearing mud. Thinly laminated. 12-13cm = granule. 1 pebble at 14cm.	
-2						0		
-4						1	21-22cm - granule. 24-25cm discontinuous sandy silt layers. 27cm - sandy silt pod -> 3 granules.	
-6						1		
-8						0	-56cm - granule.	
-10						0		
-12		↑				0		
-14		—				0		
-16		—				0		
-18		—				0		
-20		—				0		
-22		—				0		
-24		—				0		
-26		—				0		
-28		—				0		
-30		—				0		
-32		—				0		
-34		—				0		
-36		—				0		
-38		—				0		
-40		↓				0		

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts		Logged By:	Date: 2-4-19
			C	ST	SD	G			>4mm	less than #10	Comments	
											Potential plant fragment present at base of core catcher	
-0		↑						↑			Very dark gray biosiliceous bearing mud. thinlly laminated	
-2		↓						0				
-4		↑									14cm - granule	
-6		↓										
-8		bowing										
-10						↑					in core catcher profile where the Pal sample was taken potential plant fragments were present.	
-12						0						
-14						↓						
-16												
-18												
-20												
-22												
-24												
-26												
-28												
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-32												
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SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: Day shift	Date: 2/4/2019
						Comments	
	mod fall in						Dark gray biosiliceous-bearing mud thinly laminated
							scattered granules @ 16, 22, 28, 29, 33, 34-35, 39, 45, 70, 72, 120, 122 144cm
					0		
	slight bowing						
							112cm discontinuous silty layer with scattered sand grains
							129cm discontinuous silty layer 136cm with granules

SS  
@ 80cm

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
							Day Shift	2/4/2019
0							Comments	
-2					0		Dark gray biosiliceous-bearing mud thinly laminated  granules 3, 11 (2), 19, 25 (2) 27, 28, 44 (2), 51 (4), 60 (2), 80 (4), 93, 109, 129 cm  63 cm pod of sand & granules   68 cm discontinuous lamina with silt & scattered sand granules	
-4					0 0			
-6					0			
-8					0 0			
-10					0			
-12					0 0			
-14					0			
-16					0			
-18					0			
-20					0			
-22					0			
-24					0			
-26					0			
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-140					0			
-142					0			
-144					0			
-146					0			
-148					0			
-150					0			
-152					0			

slight bowing





CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				Day Shift	2-4-19
0									Comments  Dark gray bioturbated - bearing mud thinly laminated gravels at 24, 56, 57cm  44cm continuous coarse sand lamina  55cm discontinuous coarse sand lamina		
2											
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CM Scale

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mod. cracking

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Dark gray  
bioturbated - bearing  
mud thinly laminated  
gravels at 24, 56, 57cm

44cm continuous coarse sand lamina

55cm discontinuous coarse sand lamina

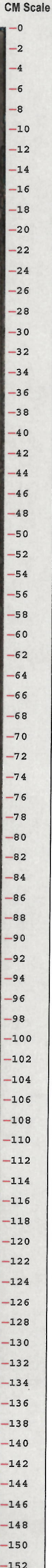
CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
							Day Shift	2-4-19
Comments								
0		• — med. cracking		↑ 0 ↓		↑ 0 ↓	Dark gray biosiliceous bearing med thinly laminated	
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PAL

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SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
						Day Shift.	2.4.19
						Comments Dark gray biosiliceous bearing mud thinly laminated  Moderate drilling disturbance = presence of micro faulting.  - 90cm granule  121cm - Sandy silt pod	





SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
						Day shift	2.4.19
	↑				↑	Dark gray biosiliceous bearing mud. thinly laminated throughout 7cm granule.	
	↓				0		
	↑		↑		0		
	↓		↓		↓	72 cm granule	
					1		
					↑	88 cm granule	
						101 cm granule	
					0		
					↓	130 cm granule.	

MI

CM Scale

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SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
		C	ST	SD	G				Day shift	2.4.19
									Comments	
									Dark gray biosiliceous bearing mud. thinly laminated	
									13cm granule	
									16cm granule	
									26cm granule	
									53cm granule	
					0				77cm granule	
SS 8										

↑

bowling

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0

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CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				Dayshift	2.4.19
0		↑	-	-	-	-					
2			-	-	-	-					
4			-	-	-	-					
6			-	-	-	-					
8			-	-	-	-					
10			-	-	-	-					
12			-	-	-	-					
14			-	-	-	-					
16			-	-	-	-					
18			-	-	-	-	0	0			
20			-	-	-	-					
22			-	-	-	-					
24			-	-	-	-					
26			-	-	-	-					
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30			-	-	-	-					
32			-	-	-	-					
34			-	-	-	-					
36											
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Dark gray biosiliceous bearing mud.

high drilling disturbance due to 'suck in'

PAL

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
							Dayshift	Feb 4, 2019
							Comments	
0		→						
2		↑				0		0 - 37.5: Drilling disturbance
4		↓				0		0-20: dark gray biosiliceous bearing mud
6						0		20: gradational boundary (color boundary into dark greenish gray)
8						0		14.5-37.5: Thinly laminated
10				0		0		29-33: first sand grains & granules present.
12						0		sharp boundary
14						0		37.5-66: Greenish gray color banded with dark gray. Gradational boundary @ 66 into pure greenish gray
16						0		46-base: biosiliceous <del>thin</del> mud
18						0		37.5-46: clast-poor muddy diamict
20	SS @ 14 cm					9		46-95: 7 biosiliceous rich sandy mud with dispersed clasts
22						1		95-base: biosiliceous <sup>bearing</sup> <del>thin</del> mud
24				3		0		Structures
26						0		29-30: sandy silt layer
28						0		32: " "
30						0		36.5: granule
32						0		autobase: light gray silty (laminar) discontinuous patches
34						0		[diatomaceous ooze] biosiliceous →
36						0		
38						0		
40						0		
42						0		
44						0		
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62						0		
64						0		
66						0		
68						0		
70						0		
72	SS @ 71.5 cm					0		
74						0		
76						0		
78						0		
80						0		
82						0		
84						0		
86						0		
88						0		
90						0		
92						0		
94	SS @ 99 cm					0		
96						0		
98						0		
100						0		
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152						0		

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				Day Shift	Feb 04, 2019
0								0	Comments 0-20: greenish gray gradational boundary into dark greenish gray 20-58. 58: sharp boundary to base: dark gray 81-88: color banding w/ very dark greenish gray in distinct laminae 58-base: Thinly laminated biosiliceous mud Top-58: biosiliceous rich 0-41: heavy bioturb 0-32: biosiliceous rich mud contains common sand grains & granules 32-58: biosiliceous rich mud w/ dispersed sand grains & granules, color banding with greenish gray.		
2							0				
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SS+TS  
 2.5 cm

Slight

3

(heavy)

41

mud  
 2

58

0

↓

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				DaySWFT	Feb 4, 2019
0											
2											
4											
6								0		very dark gray biosiliceous bearing mud top to bottom	
8											
10											
12											
14								0		Granules @ 33, 44, 52	
16										Thinly laminated	
18											
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24								0			
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CM Scale

SS @ 52cm

cracking

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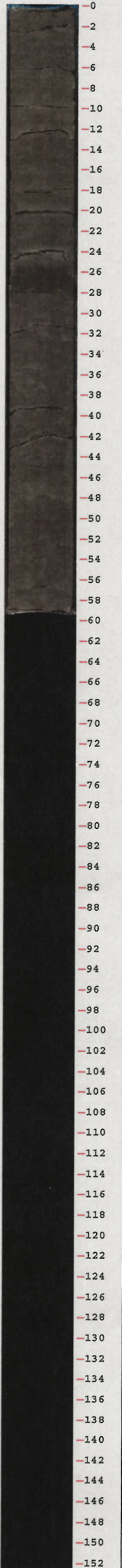
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NONE

very dark gray biosiliceous bearing mud top to bottom  
Granules @ 33, 44, 52  
Thinly laminated

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
							Dayshift	Feb 04, 2019
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very dark gray bio siliceous bearing mud  
 Thinly laminated  
 26-28.5: Thin clay bed, homogeneous  
 25-26: very dark greenish gray laminae

SS 28cm

cracking



CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				DayShift	Feb 04, 2009
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PAL

Cracking

↑  
0  
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None

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0  
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0-28: very dark gray biosiliceous bearing mud, thinly laminated  
2.5: } granule  
21: }  
Microfaulting due to drilling disturbance



CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				Day Shift	Feb 04, 2019
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CM Scale

SS+TS Sample

Drilling Disturbance

Lithology

Bioturbation Index 0 - 4

Sedimentary Structures

Pebble Counts  
>4mm  
less than #10

Comments

Logged By: Day Shift

Date: Feb 04, 2019

Dark gray biooil. leaching mud  
- Thinly laminated

Microfaulting from drilling disturbance throughout

bowing

↑

0

None

0

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M

MSIO

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				Day Shift	Feb 04, 2019
0									Comments		
2								0	mud		
4								0	0-39: dark gray biosil. bearing mud		
6								0	- Thick lam		
8								0	- microfaulting (drilling)		
10								0	32-33: granule		
12								0	39: Sharp boundary to dark greenish gray		
14								0	-41.5		
16								0	41.5: greenish gray w/ dispersed sand granules		
18								0	to 91		
20								0	Sharp boundary to olive @ 91		
22								0	91-115		
24								0	gradational @ 115 to dark gray		
26								0	115-bottom		
28								0			
30								0			
32								0			
34								0			
36								0			
38								0			
40								0			
42								0			
44								0			
46	SS @ 47cm							0			
48								0			
50								0			
52								0			
54								0	structures		
56								0	43-44: two clay pods (2cm diameter) dark greenish gray		
58								0			
60								0			
62								0			
64	SS @ 62cm							0	54.5-56: dark gray color band		
66								0	61.5-62: " "		
68								0	63-65: " "		
70								0			
72								0			
74								0			
76								0			
78								0	77-78: sandy silt pod w/ dark gray rims surrounding it. 1cm long axis		
80								0			
82								0			
84								0			
86								0			
88								0			
90								0			
92								0			
94								0			
96								0	93-96: two v. dark gray sandy silt pods		
98								0			
100								0			
102								0			
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106	SS @ 106cm							0			
108								0			
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crinoid

SS @ 47cm

SS @ 62cm

bi-silt-rich

microfaulting

basins

SS @ 106cm

✓

CM Scale  
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SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
		C	ST	SD	G				Day Shift	Feb 04, 2019
									Comments	
							0		0-13: bioturb bearing mud, dark greenish gray - Thinly lam. 0-5: color banding w/ dark gray  13-base: clast-poor muddy diamict, greenish gray	
							1			
							6			
							1			
							0			
							0			



banding

Sack in

ISO ALUM

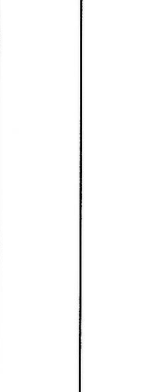
13

NONE

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				Dayshift	Feb 04, 2019
0		 Suction Choking					↑ 0 ↓	None	2	0-26: - clast poor muddy diamict - greenish gray	
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CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: Night Swift	Date: 2/5/19
							Comments	
0				0		0	<p>0 - 150 : dark gray thinly laminated biosiliceous bearing mud (silty clay)</p> <p>rare horizontal cracks</p> <p>silt laminae at 33cm, 130cm, 24cm, 131cm (~1mm thick)</p> <p>silt laminae at 39, 41, 43, 47, 50, 52, 130, 131, 147cm (&lt;1mm thick)</p>	
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CM Scale	SS+TS sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
							Nightshift	5/2/19
								Comments
0		flow in						0-150 Dark gray finely laminated biosilicious bearing mud with silt lamina
2								[ 30, 61, 72, 113, 114, 116, 132 cm ] - silt lamina
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CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
							Night Shift	2/5/2019
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0-56cm: dark gray silty clay, highly disturbed by drilling

56-136 cm: greenish gray bio-siliceous ooze w/ common clasts (<10% sand fraction, 1-3% gravel clasts)

90cm: 1.9cm red sandstone clast

133cm: subrounded clast, black, 2.1cm  $\phi$ , fine-grained igneous or sedimentary

flow-in

MBIO

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
							Night Shift	2/5/2019
							Comments	
0						1	0-113 cm: greenish gray bio-siliceous ooze w/ dispersed clasts (<1% gravel, ~10% sand)	
2						∅		
4						1		
6						∅		
8						∅		
10						∅		
12						2		
14						1		
16						∅		
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20						1		
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CM Scale

SS+TS Sample

Drilling Disturbance

Lithology  
C ST SD G

Bioturbation Index 0-4

Sedimentary Structures

Pebble Counts  
>4mm  
less than #10

Logged By: Night Shift  
Date: 2/5/2019  
Comments

Row 5



CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Metadata	
			C	ST	SD	G				Logged By: <i>Night Shift</i>	Date: <i>2/5/2019</i>
-0									Comments <i>0-19cm: greenish gray highly disturbed biosiliceous ooze with dispersed sand grains (~5% sand)</i>		
-2											
-4									<i>(Please note: core surface is washed, which enhances coarse fraction)</i>		
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SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: Night Shift	Date: 2/5/2019
						Comments	
			0			<p>0-147cm: dark gray laminated biosiliceous-bearing silty clay</p> <p>drilling disturbance consists of conjugate fault sets with reverse offsets, suggesting horizontal compression of core lines to the center of the core.</p> <p>Sediments are in stratigraphic order and laminae are intact, only faulted (center petal line fractures induced by drilling)</p> <p>46-47cm: dark lamina composed biosiliceous-rich silty clay (complete centric diatoms present)</p>	

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SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: <i>Night Shift</i>	Date: <i>2/5/2019</i>
						Comments	
				↑	∅	0-150cm: dark gray laminated silty clay, biosiliceous-bearing.	
				↓	↓		
			0			drilling disturbance consists of conjugate fault sets with reverse displacement towards the center of the core	
				↓	↓		

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SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
		C	ST	SD	G				Nightshift	5/2/14
									Comments	
						↑			0-103cm Dark gray thinly laminated biosilicious bearing mud thin lamination	
							↕		23-24cm grain cluster	
									28-29cm grain cluster	
						0				
	bowed							0		
							↕		59-63 - disturbed surface	
									103	

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				Nightshift	5/2/19
Comments											
-0		—					↑	↑	0-58 cm Dark gray thinly laminated biossilicious bearing mud		
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-36		—					↑		38cm silt lamina		
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bowed

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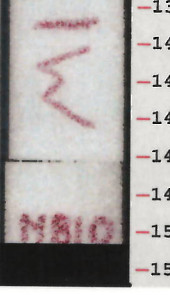
SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
						Night shift	5/2/19
						Comments	
						<p>0-11 Fall-in mud with 7cm cemented carbonate nodule/concretion</p> <p>11-151 cm Dark gray thinly laminated mud (silty clay). Irregularly spaced thin silt lamina</p>	
						151	

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SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
						Comments	
			↑		0	Night shift	5/2/19
			↑		↓	0-113cm Dark gray thinly laminated mud silty clay with silt laminae 16cm silt lamina	
			↑		↓	56cm - Clast a-axis 2cm present in working half	
			↑		0	65cm silt lamina	
			↑		0		
			↑		↓	104cm silt laminae	
			↑		↓	113-136 Greenish gray mud with dispersed grains of mixed lithology	
			↑		4	136	

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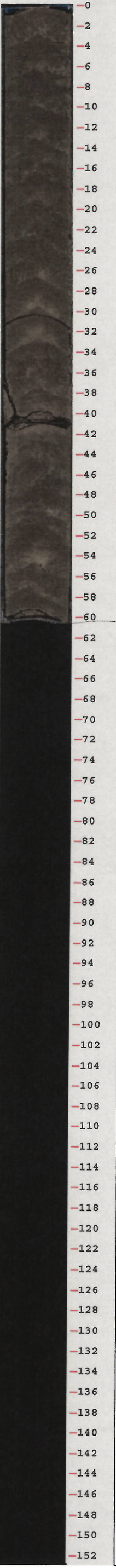
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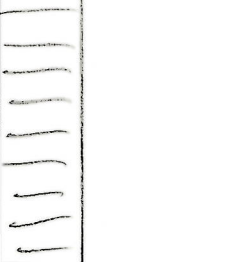





CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				Night Shift	2/5/19
0									<p>0-60: dark gray silty clay  <del>basal bearing mud</del>                      thinly laminated</p> <p>20-23: some darker laminations</p> <p>29-30: white pods/lenses</p> <p>31-52: Fracture</p> <p>40-42: fractured (highly disturbed)</p> <p>Small fractures throughout</p>		
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PAL

SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
		C	ST	SD	G				Comments	
										

thinly laminated  
 0-14: dark gray ~~biosilic-bearing~~ silty clay  
 7-9: fractured (highly disturbed)  
 small fractures throughout



SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
		C	ST	SD	G				Nightshift	5/2/19
									Comments: Highly disturbed!	
						↑		0-150 cm	Bluish gray silty clay mud. High level of drilling disturbance some dispersed grains Contamination from drill casing	
							0			
						0				
							↓			
							2			
						↓				

Structures relate to drilling disturbance

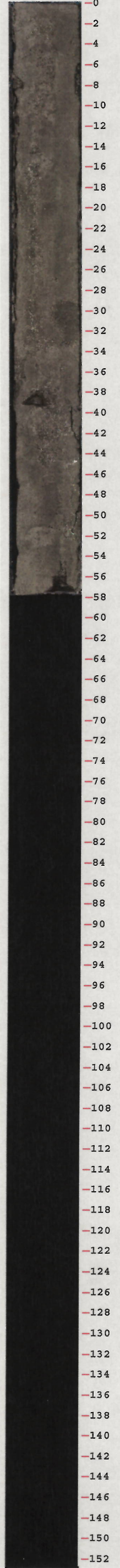
CM Scale

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SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
		C	ST	SD	G				Comments	
								Nightshift	5/2/19	
	flow in					Structures relate to drilling disturbance		Highly disturbed		
								0-151 - Very dark greenish gray biosilicious bearing mud. Highly disturbed by flow in		



CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
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Logged By: *Night Shift*

Date:

Comments

*DARK GRAY BIOSILICEOUS-BEARING MUD Heavily disturbed by drilling*

*30-39cm: void*

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				Night Shift	2/5/2019
										Comments	
0		[Wavy line]	O	G				Ø	0-8cm: DARK GRAY CLAY Heavily disturbed by drilling		
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PAL









SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: Night Shift	Date: 2/5/2019
						Comments	
						0-100 cm: dark gray laminated biosiliceous-beamy mud. - mm-scale laminations bottom of section is heavily disturbed by drilling	
			0			100-136 cm: same, but heavily disturbed by drilling.	

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SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
		C	ST	SD	G				Comments	Night shift
	flow in								Mightily disturbed	
									0-106 Dark gray biosilicious bearing mud	

structures relate to drilling disturbance



CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				Night shift	5/2/19
									Comments: Highly disturbed		
0						↑		○	0-34 cm Dark gray biosilicious bearing mud		
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PAL



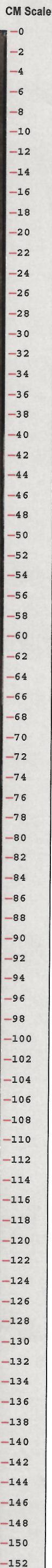
CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				Night Shift	2/5/2019
										Comments	
0		—						↑	⊕	0-150cm: dark gray laminated med silty clay	
2		—									-mm-scale laminations throughout
4		—									
6		—									
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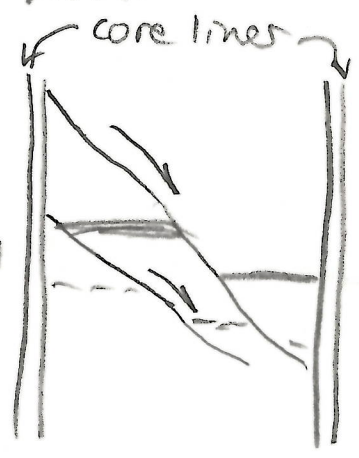
none

83

121

150



SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Metadata	
						Logged By: Night Shift	Date: 2/5/2019
						Comments	
						<p>0-124 cm: dark gray laminated mud silty clay</p> <p>moderately to highly disturbed by drilling</p> <p>-mm-scale laminations</p>	
						<p>88-89 cm: normal micro-faults:</p>  <p>difficult to explain from drilling disturbance</p>	
						<p>105</p>	
						<p>124</p>	

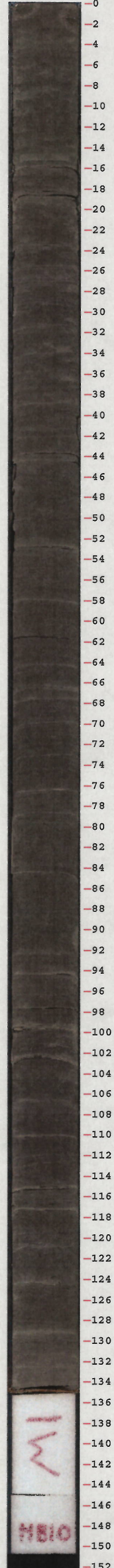








CM Scale



SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
		C	ST	SD	G				Day swift	2.5 19
Comments										
										0 - 99.5 cm - Dark gray silty clay Thinly laminated
										44 cm - Two granules
										80 cm - Granules
										99.5 cm - 100.5 cm - Sandy silt layer - light gray (f. sand) continuous
										100.5 - 102.5 cm - Dark gray silty clay Thinly laminated
										102.5 - 103.5 cm - Sandy silt layer - light gray (f. sand) continuous
										103.5 cm - Base - Dark gray silty clay Thinly laminated
										Sample contains - 97% silt euhedral crystals, TR - vitic grains

SS#



SS 103 cm

99.5 cm  
100.5 cm  
102.5 cm  
103.5 cm



0

0





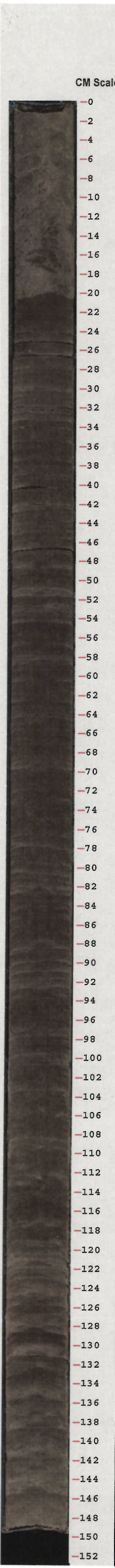


CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: <i>Day Shift</i>	Date: <i>2.5.19</i>
							Comments	
0								
2								
4								
6								
8		↑	- -			↑	Dark gray silty clay	
10		↑	- -				heavy drilling disturbance due to	
12		~	- -			0	Suck in	
14		~	- -	0				
16			- -					
18			- -					
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CM Scale

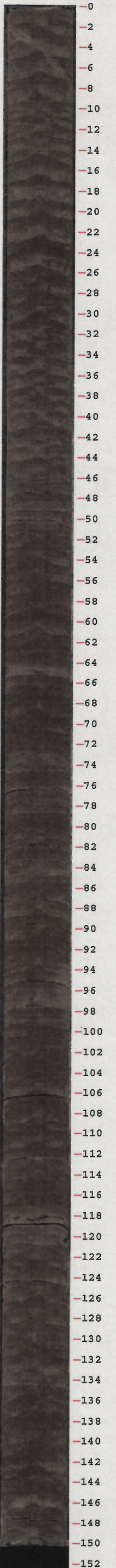
CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: Day Shift	Date: 2-5-19
			C	ST	SD	G				Comments	
0		heavy									
2											
4									0-150cm Dark gray silty clay		
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12		fine									
14											
16											
18									20.5-150cm thinly laminated		
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62		Slight									
64		bowing									
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106									micro faulting due to drilling disturbance		
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CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: Day shift	Date: 2-5-14
							Comments	
0							<p>0-150 cm Dark gray silty clay thinly laminated</p> <p>66-150 cm color banded with very dark greenish gray</p>	
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CM Scale



SS  
-72  
cm

slight  
bowing



0-150 cm

Dark gray silty clay  
thinly laminated

66-150 cm

color banded with  
very dark greenish  
gray

microfaulting due  
to drilling disturbance

Logged By:

Day shift

Date:

2-5-14

Comments

CM Scale

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SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: Day Shift	Date: 2-5-19
						Comments	
							0-124 cm Dark gray silty clay
	slight bowing						12-47 cm interlaminated silt + clay rhythmic lam. 2 cm? spacing appears on core surface (check x-ray)
	41						granule @ 82 cm
	bowing		0		0		
	Moderate						



CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				Day Shift	2-5-19
Comments											
-0		↑						↑		Dark gray silty clay	
-2		↑						↑			
-4		↑						↑			
-6		↑						↑			
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-122		↑						↑			
-124		↑						↑			
-126		↑						↑			
-128		↑						↑			
-130		↑						↑			
-132		↑						↑			
-134		↑						↑			
-136		↑						↑			
-138		↑						↑			
-140		↑						↑			
-142		↑						↑			
-144		↑						↑			
-146		↑						↑			
-148		↑						↑			
-150		↑						↑			
-152		↑						↑			

PAL





CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: <i>Day shift</i>	Date: <i>2-5-19</i>
							Comments	
0		)					0-120 Dark gray silty cm clay	
2		)						
4		)					thinly laminated 0-34 cm	
6		)						
8		)						
10		bowing						
12		)						
14		)						
16		)						
18		)						
20		)						
22		)						
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26		)						
28		)						
30		)						
32		)						
34		)						
36		heavy						
38		bowing						
40		)						
42		)	42.5					
44		)						
46		)						
48		)						
50		)						
52		)						
54		)						
56		)						
58		)						
60		)						
62		heavy						
64		)						
66		)						
68		)						
70		suck in						
72		)						
74		)						
76		)						
78		)						
80		)						
82		)						
84		)						
86		)						
88		)						
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150		)						
152		)						





CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				Day shift	2-5-19
0		~									
2		~				↑		↑		0-16 cm Dark gray silty clay	
4		suck in				0		○			
6		~									
8		~				↓		↓			
10		~									
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146											
148											
150											
152											

PAL

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: Day shift	Date: 02/05/2019
							Comments	
0							0-15A: Very dark gray silty clay moderately disturbed by flow-in thinly laminated from 17 into bottom	
2								
4								
6								
8								
10								
12								
14								
16								
18								
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22								
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150								
152								

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
							Day shift	2-5-19
Comments								
0		M						0-125: Dark gray silty clay Thinly laminated from 2cm to bottom Heavily disturbed by cracking in upper 2cm and moderately disturbed by flow in from 2cm to bottom Granite present between 121 and 122 cm Two clayey lenses dark greenish gray between 109 and 116 cm
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								
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54								
56								
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62								
64								
66								
68								
70								
72	SS							
74	73 cm							
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90								
92								
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96								
98								
100								
102								
104								
106								
108								
110								
112								
114	SS							
116	115.5 cm							
118								
120								
122								
124								
126								
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130								
132								
134								
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138								
140								
142								
144								
146								
148								
150								
152								

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
							Day shift	2/5/2019
0								0-1cm very dark gray silty clay 1cm - bottom: dark gray silty clay 1-59cm: thinly laminated At 12cm: dark greenish gray color band
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
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CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts		Logged By:	Date:
			c	st	sd	o			>4mm	less than #10	Day shift	02/05/2019
0		↑   •   ↓					0		↑	0-32 cm: Dark gray silty clay thinly laminated Moderately disturbed due to flow in		
2	↑											
4	↑											
6												
8												
10												
12												
14												
16												
18												
20												
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PAL

CM Scale



SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: Day Shift	Date: 2-5-19
						Comments	
						<p>0-151cm Dark greenish gray thinly laminated silty clay throughout</p> <p>This core is disturbed by drilling with intact fractured blocks surrounded by a slurry of injected sediment.</p>	

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology c ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: Day Shift	Date: 2-5-19
							Comments	
0							0-97.5 cm Dark greenish gray silty clay thinly laminated	
2								
4								
6								
8								
10								
12								
14								
16								
18							65-66cm granule	
20								
22								
24								
26								
28								
30								
32								
34								
36								
38								
40								
42								
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66							Fractured	
68								
70								
72								
74								
76								
78								
80								
82								
84								
86						0		
88								
90								
92								
94						3	97.5 - 150cm Greenish gray Biosiliceous rich mud thinly laminated from 97.5-120 cm with scattered sand grains and granules to base	
96								
98							*quartz with chlorite 3cm, well rounded	
100								
102								
104								
106						0		
108								
110								
112						0		
114								
116								
118								
120								
122						1		
124								
126								
128						1		
130								
132								
134								
136						0		
138								
140								
142								
144								
146						0		
148								
150								
152								

artificial boundary

Clasts are Not in place

SS @ 104

90

120









CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: Night shift	Date: 6/2/19
							Comments	
0							0-150cm Dark gray thinly bedded laminated silty clay. Rare dispersed sand grains	
2								
4							42cm sand sized grains	
6								
8								
10								
12								
14								
16								
18								
20								
22								
24							110-111cm One clast with a-axis of 7mm visible in working half	
26								
28								
30								
32								
34								
36								
38								
40								
42								
44							139cm thin black lamina	
46								
48								
50								
52								
54								
56								
58								
60								
62								
64							150	
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140	SS 139							
142								
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146								
148								
150								
152								

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: Nightsheet	Date: 6/2/18
							Comments	
0								
2								
4								
6						○		0-137 cm Dark gray thinly laminated silty clay
8								
10								
12								
14						○		
16								
18								
20								
22								
24								
26						○		
28								
30								
32								
34						○		
36								
38								
40	biscuit							
42								
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52								
54								
56						↑		
58								
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82								
84								
86						○		
88								
90								
92								
94								
96								
98								
100								
102								
104								
106								
108								
110								
112								
114								
116	biscuit							116 cm thin black lamina
118								
120								
122								
124								123 cm " " "
126								
128								
130								
132								
134						↓		
136								
138								137
140								
142								
144								
146								
148								
150								
152								

M

MBIO

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology c ST SD G	Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Metadata		
							Logged By: Night shift	Date: 6/2/14	
								Comments	
0								0-151cm Dark gray finely laminated silty clay. Occasional tilted lamina - drilling disturbance?	
2									
4									
6									
8									
10									
12									
14									
16									
18								18-23cm tilted lamina (drilling disturbance?)	
20								18cm thin black lamina	
22								21cm " " "	
24									
26									
28									
30									
32									
34									
36									
38									
40									
42									
44									
46									
48									
50									
52									
54									
56									
58									
60								60cm thin black lamina	
62									
64									
66									
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72									
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76									
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82									
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138	SS								
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150									
152								151	

biscuit

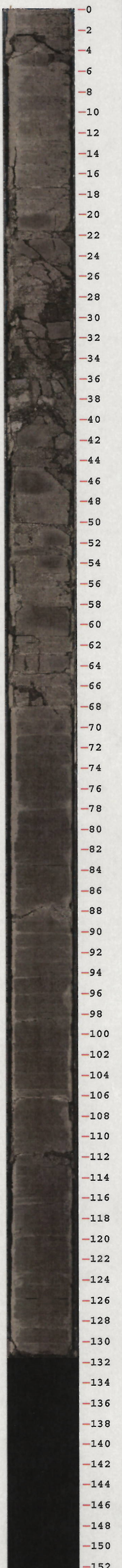
SS

151



CM Scale	SS+TS Sample	Drilling Disturbance	Lithology c ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
							Night Shift	
Comments								
0	SS	-			↑	0	<p>0-41 cm: greenish gray laminated silty clay - horizontal planar lamination</p> <p>41 cm: gradational contact</p> <p>41-150 cm: dark gray laminated silty clay (mud)</p>	
2								
4								
6								
8								
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12								
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22								
24								
26								
28								
30	SS	-			↑	0	<p>color change</p>	
32								
34								
36								
38								
40								
42								
44								
46								
48								
50								
52								
54								
56								
58								
60	SS	-			↑	0	<p>60-80 cm: <i>biocasts</i></p>	
62								
64								
66								
68								
70								
72								
74								
76								
78								
80								
82								
84								
86								
88								
90	SS	-			↑	0	<p>88-98 cm: <i>biocasts</i></p>	
92								
94								
96								
98								
100								
102								
104								
106								
108								
110								
112								
114								
116								
118								
120	SS	-			↑	0		
122								
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136								
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148								
150	SS	-			↑	0		
152								

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: <i>Night Shift</i>	Date: <i>2/6/2019</i>
							Comments	
0							<i>0-133cm = dark gray laminated silty clay</i>	
2								
4							<i>mm-scale horizontal planar lamination</i>	
6								
8								
10								
12								
14								
16								
18								
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26	<i>25</i>							
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42	<i>41</i>							
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*bivalvity*

*133*

*0*

*∅*

*25*

*41*

*69*

Logged By:

*Night Shift*

Date:

*2/6/2019*

Comments

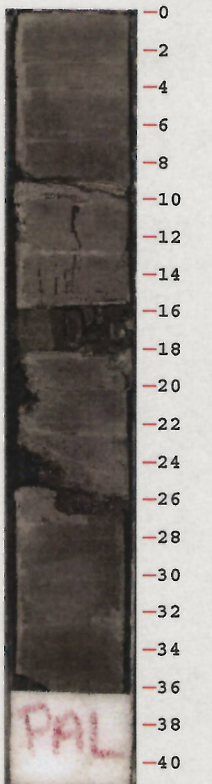
*0-133cm = dark gray laminated silty clay*  
*mm-scale horizontal planar lamination*



CM Scale  
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SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: <i>Night Shift</i>	Date: <i>2/6/2019</i>
						Comments	
SS	[Hand-drawn disturbance lines]	[Hand-drawn lithology patterns]	0	[Hand-drawn sedimentary structures with arrows]	[Hand-drawn pebble count lines]	0-66 cm: dark gray laminated silty clay -mm-scale horizontal planar lamination	

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
							Night Shift 2/6/2019	
Comments								
0	<i>biscuits</i>			0	↑ =	∅	0-37cm: dark gray laminated silty clay mm-scale horizontal planar lamination	
2								
4								
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12								
14								
16								
18								
20								
22								
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26								
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CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: Night Shift	Date: 2/6/2019
							Comments	
0				0		0	<p>0-150: dark gray thinly laminated silty clay mod silty clay - intervals of dispersed sand grains - some black laminae</p> <p>0-7: highly disturbed (flow-in)</p> <p>reddish 32: clast, long axis 10mm</p> <p>44-45: thin (&lt;1mm) black laminae, disturbed by faulting (drilling disturbance)</p> <p>horiz. &amp; vert. cracking throughout (due to drilling)</p> <p>fractured intervals: 81-84, 103-112, 142-147</p> <p>117, 119: dispersed sand grains 85</p> <p>possible 131: small burrow (~4mm wide)</p>	
2		flow-in				0		
4						0		
6						0		
8						0		
10						0		
12						0		
14						0		
16						0		
18						0		
20						0		
22						0		
24						0		
26						0		
28						0		
30						0		
32						0		
34						0		
36						0		
38						0		
40						0		
42						0		
44						0		
46						0		
48						0		
50						0		
52						0		
54						0		
56						0		
58						0		
60						0		
62						0		
64						0		
66						0		
68						0		
70		biscuited				0		
72						0		
74						0		
76						0		
78						0		
80						0		
82						0		
84						0		
86						0		
88						0		
90						0		
92						0		
94						0		
96						0		
98						0		
100						0		
102						0		
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120						0		
122						0		
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152						0		

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: Night Shift	Date: 2/6/19
							Comments	
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152								

silty clay

0-151: dark gray silty clay  
finely laminated  
dispersed clasts and  
intervals of black

(aminæ  
intervals of lighter laminæ  
(silt lens?)

11: black (amination)

62: silt(?) lens } thin (>1mm)  
115 →

horiz & vert. cracking  
throughout  
6-10: fractured

90-91, 113, 115 : bubble voids?  
98 small (~1mm)

142: red clast, long axis 4mm  
143: ~2mm sand grain

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
							Night Shift	2/6/19
								Comments
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16								
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32								
34								
36								
38								
40								52: ~2mm sand grain
42								
44								60: red clast 4mm
46								
48								
50								
52								60-62, 55-56 } dispersed sand grains
54								72-73: 29, 13 }
56								
58								
60								65: black clast: long, thin
62								7mm long axis, aligned horiz.
64								
66								horiz. & vert. cracking throughout
68								
70								
72								
74								
76								127-129: fractured interval
78								78-81
80								
82								
84								
86								
88								
90								silt laminae (thin, <1mm)
92								at 120, 112, 107, 87, 84, 81, 78
94								throughout
96								
98								118: possible burrow?
100								
102								
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152								

disturbed

2-135: dark gray <sup>moist</sup> silty clay  
thinly laminated  
dispersed sand grains  
silt laminae throughout

52: ~2mm sand grain

60: red clast 4mm

60-62, 55-56 } dispersed sand grains  
72-73: 29, 13 }

65: black clast: long, thin  
7mm long axis, aligned horiz.

horiz. & vert. cracking throughout

127-129: fractured interval  
78-81

silt laminae (thin, <1mm)  
at 120, 112, 107, 87, 84, 81, 78  
throughout

118: possible burrow?

132, 134: sand grain (~3mm)

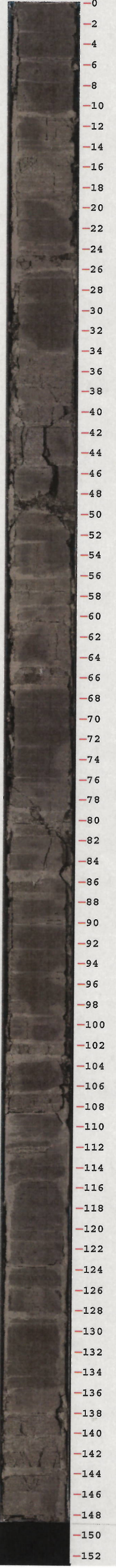
M  
NB10

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				Night Shift	2/6/19
-0									Comments 0-151: finely laminated dark gray silty clay with black laminae and silt laminae throughout  22: sand grain, 1-2mm also 31, 38, 44, 66, 88, 105, 107, 127  23: black laminae appears uneven; possibly bioturbation?  50  horiz & vert. cracking throughout  55: gray clast 4mm across aligned horiz (granite?) dispersed sand grains: 45  series of 116-117: thin black lamination, ~3mm thick  89-90: slummy		
-2						0		0			
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-78											
-80	SS56 silty clay										
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-152											

disturbed

SS56  
silty clay

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				Night shift	6/2/10
0									0-149cm Dark gray thinly laminated silty clay with dispersed sand grains.		
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152											



viscous

Fracture

biscuit

Fracture

biscuit

77cm Black lamina

106 cm Black lamina

149

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
							Comments	
0							Night shift	6/2/10
2							0-57cm Dark gray thinly laminated silty clay mud with rare dispersed sand grains	
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biscuit

0

0

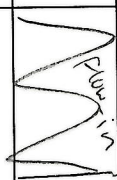
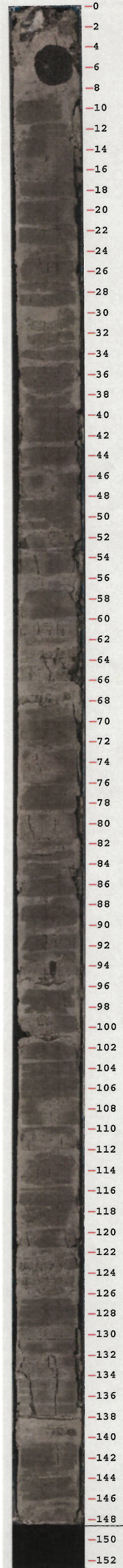
57



CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Metadata	
			C	ST	SD	G				Logged By: <i>Nightshift</i>	Date: <i>6/2/10</i>
										Comments	
-0										<i>0-14 Dark gray thinly laminated mud silty clay</i>	
-2						0					
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PAL

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: Night Shift	Date: 2/7/19
							Comments	
0				0		2	0-149: dark gray thinly laminated SILTY CLAY with dispersed sand grains black laminae, silt laminae throughout  0-9: flow-in, with 3 large clasts 2: 40µm long axis; metamorph. 6: 40µm rounded dolomite working half: 3 ~10µm clasts in same flow-in section 1). brown gray dolomite 2). biotite-quartz gneiss (one garnet visible) 3). quartz-chlorite rock - CS  horiz & vert cracks throughout  70: 3mm clast  intervals of dispersed sand grains: 129-130 (red k-fspar grains?) 4, 47  130: sand pod	
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203  
 1  
 see note at right

disrupted



CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				Night Swift	2/7/19
Comments											
0								0		0-151: dark gray thinly laminated <b>SILTY CLAY</b> with dispersed sand grains black laminae, silt laminae throughout	
2								↓			
4										horiz & vert. cracking throughout	
6											
8										53-59: tilted laminae (could be a biscuit was tilted in drilling process)	
10											
12										3mm clasts at 33, 65 cm	
14											
16										intervals of dispersed sand grains: 65-67, 79, 82, 115-116, 125, 136, 142, 145, 149	
18											
20										68: sand pod	
22											
24										77	
26											
28										99	
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32										biscuted	
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40										99	
42											
44										biscuted	
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48										77	
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148										99	
150											
152										biscuted	

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
							night shift	2/7/19
Comments								
0				0		0	<p>0-136: dark gray thinly laminated SILTY CLAY with dispersed sand grains black laminae, silt laminae throughout</p> <p>horiz &amp; vert. cracking throughout</p> <p>intervals of dispersed sand grains: 22, 37-38, 52, 57, 91,</p> <p>79: burrow? but looks like it's inside the "graug" of the biscuit</p> <p>115: clast in slurry (next to core liner)</p> <p>95: silt pod?</p>	
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CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
							Night Shift	2/7/19
0				0		0	<p>0-150: dark gray thinly laminated SILTY CLAY with dispersed sand grains black laminae &amp; silt laminae throughout</p> <p>horiz &amp; vert. cracking throughout fractured intervals: 31-35, 53-55, 82-87, 110-117 17-19: tilted biscuit</p>	
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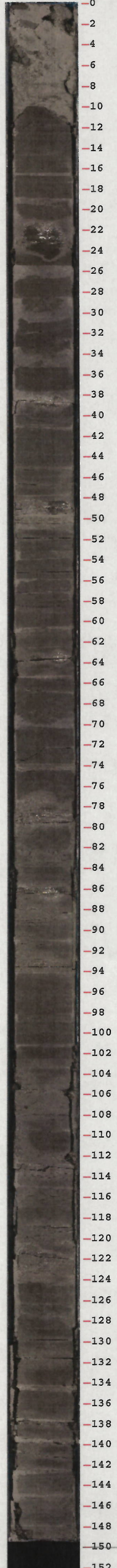
CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				Night Shift	5/7/19
0									Comments 0-66 : dark gray thinly laminated SILTY CLAY black laminae & silt laminae throughout  horiz. & vert. cracking throughout 0-5: tilted biscuit? 34-41 : fractured  39: ~3mm clast in slurry /gray layer  47-49: silt pods? but near edge of core liner...		
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CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
							Nightshift	7/2/19
Comments								
0								
2								0-150cm Dark gray
4								thinly laminated silty
6								clay. Biscuited
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40								41cm black lamina
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60								59cm black lamina
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SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: Night Shift		Date: 2/7/19	
		C	ST	SD	G				Comments			
								0		0 - 24: thinly laminated silty clay with black laminae - dark gray		
										↓ 12, 22 cm		
					0			0		with dispersed sand grains gets greener towards boundary (21-24 cm)		
								20		(23-26: slurry - disturbed)		
										<u>hypoththesized sharp boundary in structure, gradational color change</u>		
								30 (6)		24-102: biosiliceous-bearing clay (10% bio) greenish-gray		
								2		with dispersed sand grains		
								40		24-33: coarse sand, granules - rich		
					1			1		24-55: coarsening upwards		
								50 (1)	← in slurry flow-in			
					58			2		<div style="border: 1px solid black; padding: 5px;"> <b>Clasts</b>          30: angular, metamorph?          35: subrounded reddish sandstone,          56: subangular black gabbro?          57: subangular reddish granite?       </div>		
					2			60				
					2			0				
										gradational boundary		
										102-115: dark greenish gray silty clay with trace biosil. component (5%)		
					0					finely laminated		
										gradational boundary		
										115-150: dark gray clay		
										trace biosil. debris (3%)		
										thinly laminated		
					0							

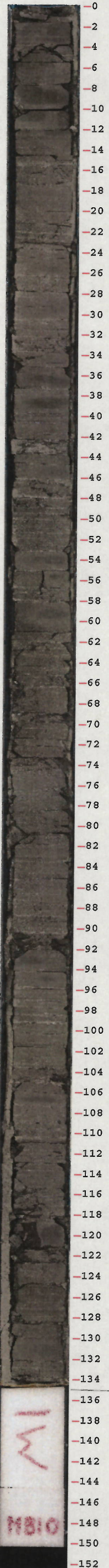
ss58

biscuted

ss59

ss60

CM Scale



SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
						Night shift	7/2/10
						Comments	
						0-135cm Dark gray thinly laminated silty clay	
						35cm discontinuous black lamina	
						48cm black lamina	
						67-68cm subrounded plutonic clast, a-axis 11mm	
						135	

biscuit

rock

biscuit

M

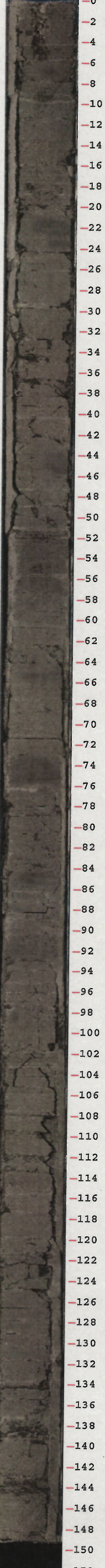
NBIO

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: <i>Nightshift</i>		Date: <i>7/2/19</i>
			C	ST	SD	G				Comments		
0									<p>0-150 cm Dark gray thinly laminated silty clay 14 cm black lamina</p>			
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biscuit

biscuit

150



CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				Night shift	7/2/18
Comments											
0											0-150cm Dark gray thinly laminated silty clay
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116								1		119-120cm subangular clast a-axis 5mm	
118											
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126								0			
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152										150	



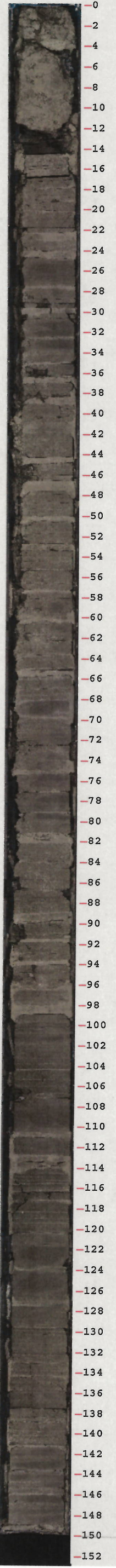


CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				Night Shift	2/7/19
0									Comments 0-26: greenish-gray silty clay (mud) biosilic-bearing dispersed sand grains @ 1 cm, 6-20cm and granules <u>clasts</u> subangular basalt, 9mm, black subangular basalt, reddish gray, 5mm subangular granite or gneiss, 5mm		
2					2		3				
4											
6											
8	7	mod. fracture				7	...				
10	15										
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14											
16						3		1			
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PAL



CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				Night shift	7/2/19
0									0-150 cm Dark gray thinly laminated silty clay		
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fall

biscuit

C

0

86cm black laminae

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				Night shift	7/2/19
0									0-135cm Dark gray thinly laminated silty clay		
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CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
							Nightshift	
								Comments
0								0-150 Dark gray thickly laminated silty clay
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biscuit

84cm black lamina

150

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: <i>Night Shift</i>	Date: <i>2/7/2019</i>
							Comments	
0	<i>fractured</i>	-			↑	∅	0-113 cm: Dark gray planar laminated silty clay mm-scale laminations	
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22	<i>biscuits w/ slurry</i>	-		0			45cm: one pinkish granule	
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CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:	
			c	st	sd	g				Night Shift	2/7/2019	
0	<i>biscuits w/ slurry</i>	-					0		∅	0-78cm: Dark gray planar laminated silty clay		
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CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:		
							Comments			
0	34 fracture	-	[Lithology sketch: horizontal lines with vertical dashes]	0	[Sedimentary Structures sketch: vertical arrows with horizontal bars]	[Pebble Counts sketch: vertical arrow]	Night Shift	2/7/2019		
2							0-34cm: Dark gray planar laminated silty clay mm-scale laminations			
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CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				Nightshift	7/2/19
										Comments	
0		Fracture					↑	↑	0-87 Dark gray thinly laminated silty clay		
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40		biscuit							55cm thin black laminae		
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60		Fracture							75cm two mm scale black lenses		
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CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				Wightshift	7/2/19
0		fall							0-150cm Dark gray (thinly laminated silty clay		
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59 discontinuous black laminae

86cm sand stringer

150



CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: Night shift	Date: 7/2/19
							Comments	
0								
2								
4								0-151 cm Dark gray thinly laminated silty clay
6								
8								
10								
12								
14								3cm black lamina
16								17cm " "
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152								151

biscuit

○

○

109 cm black lamina  
112 cm " "

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				Night shift	7/2/19
0									0-131 cm Dark gray thinly laminated silty clay		
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131  
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CM Scale

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SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
						Night Swift	2/7/19
			0		0	Comments  0-149: dark gray silty clay thinly laminated with light laminae & black laminae throughout  Vert. cracking throughout drilling-induced reverse faulting  89: black dot - ? (sand-size)	

discarded

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: <i>Right Shift</i>		Date: <i>2/7/19</i>
			c	st	sd	g				Comments		
-0									<p>0-150: thinly laminated dark gray silty clay silt laminations &amp; black laminations throughout</p> <p>reverse faulting due to drilling disturbance</p>			
-2												
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biscuted

ss65  
ss63

117-120: small dark discolorations - possible bioturbation??

134: black lamination  
136-137: greenish gray splotch layered lens? slightly coarser than other ss (ss64) which is representative of rest of core





CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				Comments	
0											
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12											
14		biscuit				0		0		0-13: dark gray thinly laminated silty clay	
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20										2: dark lamina	
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PAL





CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			c	st	sd	g				Comments	2-6-19
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152											

0-151 cm

Dark gray silty clay  
finely laminated

grawle: 63 cm

Fracture spacing between  
1 and 4 cm

SS is barren

SS  
103  
cm

mod.  
biscuits



0

0

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology c ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
							Day shift	2-6-19
0							Comments  0 - 152 cm  Dark gray silty clay thinly laminated  Gravel = 53 cm  core disturbance - Fracture spacing 1-5 cm, twins to bottom	
-2								
-4								
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-152								

mod  
biscuits



CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts		Logged By:	Date:
			C	ST	SD	G			>4mm	less than #10	Day Shift	2-6-19
Comments												
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0-151  
Dark gray silty clay  
finely laminated

fracture spacing  
between 1-3 cm

mod.  
biscuits



CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: Day Shift	Date: 2-6-19
							Comments	
0	SS 10 cm	=		↑		↑	0-132 cm Dark gray silty clay thinly laminated between 9-10 cm 2 mm thick silt laminae  Drilling disturbance - regular closely spaced fractures between 1-3 cm	
-2								
-4								
-6								
-8								
-10								
-12								
-14								
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-152								

mod.  
biscuit

IW  
NSIO

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: Day Shift	Date: 2-6-19
							Comments	
0							0-136 cm Dark gray silty clay thinly laminated	
2								
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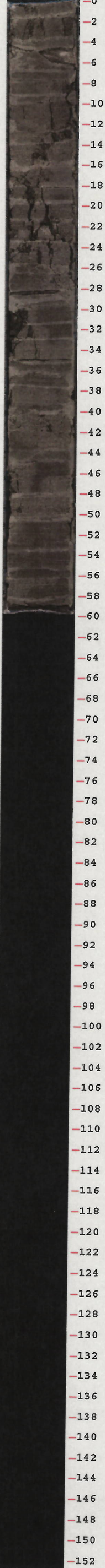
Med  
bed

SS  
67  
cm

SS is barren

drilling disturbance -  
closely spaced fractures  
1-4 cm spacing

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: .	Date:
							Day Shift	2-6-19
								Comments
-0								0-60cm Dark gray silty clay finely laminated.
-2								
-4								Fracturing spacing between 1-3cm.
-6								
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biscuits  
mod.

0-60cm  
Dark gray silty clay  
finely laminated.

Fracturing  
spacing between  
1-3cm.

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
							Day shift	2-6-19
Comments								
0								
2								
4								
6		Mod				↑		
8								
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12		biscuits				○		
14				0				
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PAL

Dark gray silty clay  
thinly laminated  
fracture spacing  
1-2cm

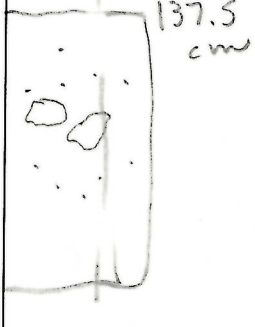
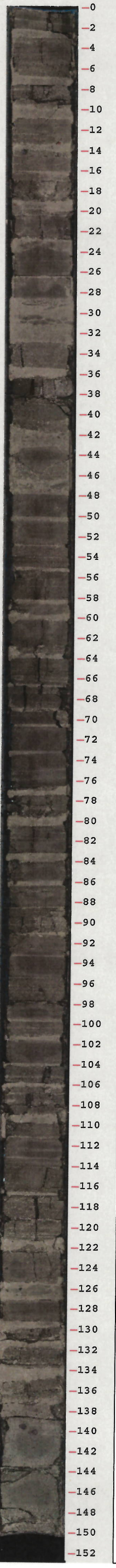
CM Scale	SS+TS Sample	Drilling Disturbance	Lithology c ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: Day shift	Date: 2-6-19
							Comments	
0							0-150cm Dark gray silty clay thinly laminated throughout	
2								
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Fracture spacing -  
1-5cm, spacing decreases  
towards the bottom of  
the core

smear slide - barren of  
microfossils



CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
							Day Shift	2-6-19
							Comments	
0							0-137.5cm	
2							Dark gray silty clay	
4							thunky laminated	
6							Small clast 5mm dia	
8							Metamorphic (quartz, biotite gneiss)	
10						1		
12								
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44								
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48								
50		mod. biscuits						
52								
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78								
80							drilling fractures are variable.	
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118								
120	SS 121.5						Smear slide in green lamina within transition	
122								
124								
126								
128								
130								
132								
134							sharp boundary 137.5 - 150cm	
136							Greenish gray sandy silt with dispersed granules (K-feldspar rich)	
138								
140					140			
142							2 small clasts	
144						2	red granite clast	
146							biotite quartz meta. clast	
148								
150								
152								



3 heavy



CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
							Day shift	2-6-19
Comments								
0							0-130cm	
2							Dark greenish gray	
4							silty clay	
6							thinly laminated	
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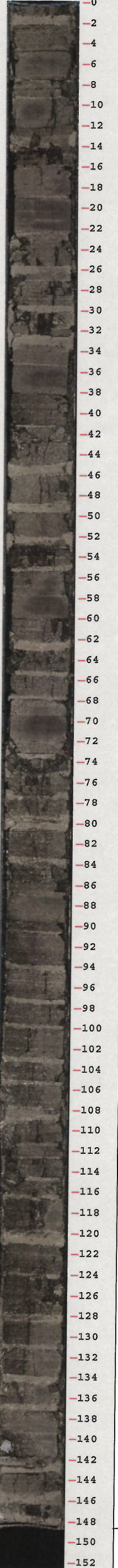
132  
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IW  
NBIO



CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
							Day Shift	2-6-19
0							<p>0-148cm Dark greenish gray silty clay thinly laminated</p> <p>Granule at 102cm</p> <p>fracture spacing variable 2-5cm</p>	
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Mod. biscuits





CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
							Day shift	2-6-19
Comments								
0				↑		0	0-32cm Dark greenish gray silty clay thinly laminated	
2		mod.		0		0		
4		fractured		↓		0		
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PAL

CM Scale

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SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
		C	ST	SD	G				Day shift	2-6-19
									Comments	
										0-150cm Greenish dark gray silty clay thinly laminated
										pebble in working half between 120-130 cm, 5 mm dia.
								0		
	med biscuits									
										Fracturing spaced 1-4 cm.





CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				Dayshift	2-6-19
0									Dark greenish gray Silty clay thinly laminated		
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mod  
biscuis

fractured spacing  
1-5cm

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: Day Shift	Date: 2-6-19
							Comments	
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Dark greenish gray  
silty clay  
thick lam.

granules at 41, 100 cm  
few aligned coarse sand grains at 117 cm

fracture spacing  
1-4 cm

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: Dayshift	Date: 2-6-19
							Comments	
0							0-130 cm Dark greenish gray silty clay finely laminated	
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IW
   
 MBIO

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: Day Shift	Date: 2-6-19
							Comments	
0							0-150cm Dark greenish gray silty clay finely laminated  1 granule at 70cm  Tr sponge speckles  fractured 1-5cm spacing	
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CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				Day Shift	2-6-19
0									0-144cm Dark greenish gray silty clay thinly laminated		
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mod. biscuit

127.5  
cm

Tr sponge spicules,  
diatom fragments

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology				Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
			C	ST	SD	G				Day Shift	2-6-19
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CM Scale

SS+TS Sample

Drilling Disturbance

Lithology

Bioturbation Index 0-4

Sedimentary Structures

Pebble Counts >4mm less than #10

Logged By:

Day Shift

Date:

2-6-19

Comments

0-60

Dark greenish gray silty clay thinly laminated

19cm Red granite, 1cm long axis rounded

fracture spacing variable 1-5cm

mod biscuit

10

0

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0-4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
							Dayshift	2-6-19
Comments								
0								
2								
4								
6		slight fractured		1		↑ ○		0-12 Dark greenish gray silty clay thinly lam.
8								
10								
12		Void						Void 12-15 cm
14								
16								
18		slight fractured		0		↓		15 - 25.5 cm Dark greenish gray silty clay thinly lam.
20								
22								
24								25.5 cm
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PAL

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By: Day shift	Date: 2/7/2019
							Comments	
0		↑				↑	<p>0-150 cm: Dark greenish gray silty clay / <sup>traces of</sup> thinly laminated with bio-siliceous debris throughout</p> <p>Thin black lenses (1 mm thick) at 7 and 116 cm → biosilic.-bearing</p> <p>Fracture spacing between 1 and 5 cm</p>	
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mod. biscuiting

SS 116 cm

116 cm: thin black lens is biosilic.-bearing  
Swear slide sample at 116 cm



CM Scale	SS+TS Sample	Drilling Disturbance	Lithology C ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
							Day shift	2/7/2019
0		↑				1	0-130 cm: Dark greenish gray silty clay thinly laminated with traces of biosiliceous debris  Between 39 and 40 cm Quartz- sandstone, 2cm, sub-angular with chlorite  Granite at 124 cm  Fracture spacing between 0.5 and 5 cm  Smear slide sample at 40 cm	
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SS  
40cm

mod. bioturbation

1  
IW  
NSIO

CM Scale	SS+TS Sample	Drilling Disturbance	Lithology c ST SD G	Bioturbation Index 0 - 4	Sedimentary Structures	Pebble Counts >4mm less than #10	Logged By:	Date:
							Day shift	2/7/2019
Comments								
0						0	0-118 cm: Dark greenish gray silty clay thinly laminated with traces of biosiliceous debris	
2						0		
4						0		
6						0		
8						0		
10						0		
12						0		
14						0		
16						0		
18						0		
20						0		
22						0		
24						0		
26						0		
28						0		
30						0	Fracture spacing between 0.5 and 5 cm	
32						0		
34						0		
36						0		
38						0		
40						0		
42						0		
44						0		
46						0		
48						0		
50						0		
52						0		
54						0		
56						0		
58						0		
60						0		
62						0		
64						0		
66						0		
68						0		
70						0		
72						0		
74						0		
76						0		
78						0		
80						0		
82						0	82-96 cm: heavily fractured due to drilling disturbance	
84						0		
86						0		
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98						0		
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