

CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts >4mm less than #10	Logged By:	Date:
							Mutsumi	2019.3.30
Comments								
0					4			
2								
4								
6								
8								
10								
12				15				
14				flow-in				
16								
18								
20								
22				23				
24								
26								
28								
30								
32								
34								
36								
38								
40								
42			diatom-rich					
44			nanuofossil	diatom-rich				
46			bearing					
48			clayey					
50			silt					
52								
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120				124				
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144								
146								
148								
150								
			</					

~~silty clay~~
clayey silt

10Y 7/1 light greenish gray

10Y 4/1 dark greenish gray

silty-clay

CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts 2-4mm less than #10	Logged By:	Date:
							Mutsumi	2019. 9. 30
Comments								
0			↑ - - - bioturbated		3			10Y 4/1 dark greenish gray
2								
4								
6								
8								
10								
12								
14								
16								
18					3			
20								
22								
24								
26								
28								
30								
32								
34								
36								
38					3			
40								
42								
44								
46								
48			silty	48				
50			clay	lamina- tion				
52				52				
54				65				
56					3			
58				66				
60								
62								
64								
66								
68								
70								
72								
74								
76								
78								
80								
82					3			
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150								

CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts 4mm less than #10	Logged By:	Date:
							Mutsumi	2019.3.30
Comments								
0					3			Silty-clay
2								(or 4/1)
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
24						1-3-1cm		
26						1-26-1.2cm		
28								
30								
32								
34								
36								
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40								
42								
44								
46								
48								
50								
52				52				
54				lamination				
56								
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80								
82								
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92								
94								
96								
98					98			
100					4	111		0.5cm pebble.
102								
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142								
144								
146								
148								
150								

CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts 4mm less than #10	Logged By:	Date:
							Mutsumi	2019.3.30
Comments								
0					3			
2								
4								
6								
8								
10					10			
12								
14					5			
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144								
146								
148								
150								

white shell fragment
fossil??

N4/ dark gray

-23 lam

-26 tan clay

-52-1.4 cm

silty
clay

diatom-rich silt

10Y 3/1 very dark
greenish black

CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts >4mm less than #10	Logged By:	Date:
							Comments	
0								
2								
4								
6								
8						4		silt diatom-rich
10								
12								
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142								
144								
146								
148								
150								

biogenic
bearing
clayey
silt

silt
diatom-rich
10Y 3/1
very dark greenish
gray

98
99-5

4
gray silty-clay

IW

CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts >4mm less than #10	Logged By:	Date:
							Comments	
0								
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CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts >4mm less than #10	Logged By:	Date:
							ST	
Comments								
0			bio-silica		X		10Y	4/1
2			bearing					
4			silty					
6		X	clay					dark greenish grey
8								
10								
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								
36								
38								
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42								
44		X						
46								
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148								
150								
								10Y 3/1 very dark greenish grey

CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts 2-4mm less than #10	Logged By:	Date:
							Comments	
0								
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142								
144								
146								
148								
150								

MODERATE

SILTY CLAY

S
L
I
G
H
T
Y

NO

color
10Y 5/1

82

SILTY CLAY

ESTIMATED

MODERATE

NO

CLAY

100

color
10Y 4/1

CLAYSY

CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts >4mm less than #10	Logged By:	Date:
							Comments	
-0								
-2								
-4		S						
-6								
-8		L			S			
-10								
-12		L						
-14			SILTY			-		
-16		I			L			
-18								
-20		I						
-22								
-24		6			I			
-26								
-28		6						
-30					6			
-32		H						
-34					H			
-36		H						color dark greenish gray
-38					H			10x 5/1
-40		T						
-42					T			
-44		T						
-46					T			
-48		X						
-50					X			
-52								
-54								
-56								
-58								
-60								
-62								
-64								
-66								
-68								
-70								
-72								
-74			SILTY CLAY					
-76								
-78								
-80								
-82								
-84								
-86								
-88								
-90								
-92								
-94								
-96								
-98								
-100								
-102								
-104								
-106			CLAY					dark greenish gray 10x 4/1
-108								dark greenish gray 10x 4/1
-110			SILTY CLAY					
-112								
-114								
-116								
-118								color dark greenish gray
-120								10x 4/1
-122			CLAY SILTY					
-124								
-126								
-128								
-130								
-132								
-134								
-136								
-138								
-140								
-142								
-144								
-146								
-148								
-150								

CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts >4mm less than #10	Logged By:	Date:
							Comments	
0								
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148								
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CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1-6	Pebble Counts >4mm less than #10	Logged By:	Date:
							Comments	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22			CLAY	—	17	ONE PEBBLE of 1mm		
24					0			
26					D			
28					E			
30					R			color greenish gray
32					A			10x 5/1
34					T			
36					E			
38								
40								
42								
44								
46								
48								
50			49	—				
52								
54								
56								
58								
60								
62			SILTY CLAY					
64								
66								
68								
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94			96					
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110								
112			SILTY	—				
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CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts >4mm less than #10	Logged By:	Date:
							Comments	
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146								
148								
150								

CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts >4mm less than #10	Logged By:	Date:
							Comments	
0								
2								
4								
6								
8								
10								
12								
14								
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18								
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146								
148								
150								

Expedition 382

382-U1534A-5H-CC-A | SHLF9808151

[illegible]

CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts 4-4mm less than #10	Logged By:	Date:
							Mutsumi	2019.3.30
Comments								
0			clay homogeneous		3		5Y 4/2 olive gray	
2								
4								
6								
8								
10								
12								
14								
16						0	3cm pebble	
18						15cm		
20								
22								
24								
26								
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42								
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142								
144								
146								
148								
150								

CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts >4mm less than #10	Logged By:	Date:
							Mutsumi	2019.3.30
Comments								
0			clay		3			5Y 4/2 olive gray
2			homogeneous					
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								
36								
38								
40					3			
42								
44								
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96								
98								
100								
102								
104								
106								
108					4			
110			114cm silt					
112			115cm					
114								
116								
118								
120								
122								
124								
126					4			
128								
130								
132								
134			137cm silt					
136								
138								
140								
142			143cm silt					
144								
146						145cm		quartz pebble (1cm)
148								
150								

CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts >4mm less than #10	Logged By:	Date:
							Mutsumi	2019.3.30
Comments								
0								
2								
4								
6								
8								
10				homo				
12				geneous				
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								
36				mixed				
38								
40								
42								
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46								
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50								
52								
54								
56								
58				dinton				
60				rich				
62								
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144								
146								
148								
150								

silty-clay

2.5Y 4/1 ~~very~~ dark gray

74

mixed color

103

2.5Y 3/1, very dark gray

CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts 2-4mm less than #10	Logged By:	Date:
							Mutsumi	2019.3.30
Comments								
0								diatom rich clay
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								2.5Y 3/1, very dark gray
22								
24								
26								
28								
30								
32								
34								
36								
38								
40								40
42								
44								
46								
48								
50								
52								
54								2.5Y 4/1, dark gray
56								
58								
60								
62								
64								
66								
68								
70								
72								
74								
76								
78								
80								
82								
84								
86								
88								
90								
92								92
94								
96								
98								2.5Y 4/1,
100								
102								
104								
106								
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114								
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142								
144								
146								
148								
150								

CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts 4mm less than #10	Logged By:	Date:
							Mutsumi	2019.3.30
Comments								
-0				Diatom				5Y 3/2 dark olive gray
-2				rich				
-4								
-6								
-8								
-10								
-12								
-14								
-16								
-18				20mm				
-20								
-22								
-24								
-26								
-28								5Y 4/1 dark gray
-30								
-32								
-34								
-36								
-38								
-40				40mm				
-42								
-44								
-46								
-48								
-50								
-52					56			
-54					7/11			
-56								
-58								
-60								
-62								
-64					59	64mm		
-66								1cm pebble
-68								
-70				4				
-72								
-74								
-76								
-78								silty clay
-80								
-82								
-84								
-86					4			
-88								
-90								
-92								
-94								
-96								106mm
-98								0.5mm
-100								
-102								
-104								
-106								
-108								
-110								
-112								
-114								
-116								
-118								
-120								
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-140								
-142								
-144								
-146								
-148								
-150								

CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts 2-4mm less than #10	Logged By:	Date:
							Mutsumi	2019.3.30
Comments								
0					4		silty clay	
2							5Y 3/2 dark olive ^{gray} green	
4								
6								
8								
10								
12								
14								
16								
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22								
24								
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CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts 4mm less than #10	Logged By:	Date:
							Mutsumi	2019.3.30
Comments								
0								
2								
4								
6								
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email Alexis to include void
upwarding

CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts >4mm less than #10	Logged By:	Date:
							Comments	
0			biostilicious					
2								
4								
6								
8								
10								
12								
14								
16								
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150								

CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1-6	Pebble Counts >4mm less than #10	Logged By:	Date:
							SCC	3/30
Comments								
0					3			
2								
4								
6								
8								
10								
12								
14								
16								
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slightly darker

5Y 6/1

5Y 7/1 in the lightest places

27 lighter (streak)

gradual color changes - from 5Y 7/1 to 5Y 15/1 mottling throughout otherwise homogeneous

69-69 - pyritized band

Forams visible on surface

116 color change 5Y 7/1

5Y 16/1

5Y 15/1

slightly darker

5Y 6/1

5Y 7/1 in the lightest places

27 lighter (slight)

gradual color changes - from
5Y 7/1 to 5Y 15/1
mottling throughout
otherwise homogeneous

- 69-69 - pyritized burrow

Forams visible on
surface

116 color change 5Y 7/1

5Y 16/1

slightly darker

5Y 15/1

CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts >4mm less than #10	Logged By:	Date:
							SOC	3/30
Comments								
0					3			SY 5/1 - gray
2								slight gradation
4								
6								
8								
10								
12								
14								
16								
18								
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76	SS							
78	PS							
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CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts 4mm less than #10	Logged By:	Date:
							SOC	3/30
Comments								
0								some cracks
2								dark mottles continue
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								
36								
38								
40								
42								
44								
46								
48								
50								
52								-52
54								Blue gray mottling
56								-54
58								
60								
62								
64								
66								
68								
70								
72								
74								
76								
78								
80								
82								
84								
86								
88								
90								
92								
94								
96								
98								-97
100								↑ some blue mottling
102								
104								
106								
108								
110								
112								
114								
116								
118								
120								↓ 110
122								
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CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts >4mm less than #10	Logged By:	Date:
							506	3/30
Comments								
0								5y 4/1
2								
4								
6								
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CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts 20mm - less than #10	Logged By:	Date:
							Mutsumi	2019.3.30
Comments								
0			clay homogeneous		3		mottled throughout	
2							5Y 5/1 dominant +	
4							5Y 4/1 mottles -	
6							bioturbation slightly	
8								
10								
12								
14								
16								
18								
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CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts >4mm less than #10	Logged By:	Date:
							Mutsumi	2019.3.30
Comments								
0			med					5Y 5/1 grey
2			clay		3			bioturbation slighty
4								
6								
8			homogeneous	homogeneous				
10								
12								
14								
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18								
20								
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32					3			
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Expedition 382

382-U1534A-3H-CC-A | SHLF9807331

	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts 4mm less than #10	Logged By:	Date:
								3/30
							Comments	
			silty clay				54/5/1 disturbed	

CM Scale	SS & TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts >4mm less than #10	Logged By:	Date:
							Comments	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								
36			36					0-36 same as above
38								
40								
42								
44								
46								
48								
50								
52								
54								
56								
58			57					36-57 6.0% interval of material above & below
60								
62								
64								
66								
68								
70								
72								
74								
76								
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80								
82	183							
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134								
136								
138								
140								

CM Scale	SS & TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts >4mm less than #10	Logged By:	Date:
							Comments	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
24								
26								
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30								
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Same as above
less bioturb.

CM Scale 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 96 98 100 102 104 106 108 110 112 114 116 118 120 122 124 126 128 130 132 134 136 138 140 142 144 146 148 150	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts >4mm less than #10	Logged By:	Date:
	SS 50						Comments	
MI							same as into section 4 higher bioturbation	

CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts >4mm less than #10	Logged By:	Date:
							Comments	
0								
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6								
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150								

Same as sed
before

121-123 cm core
known

CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts >4mm less than #10	Logged By:	Date:
							Comments	
0								
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76	SS							
78	TS							
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116			116					
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CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts >4mm less than #10	Logged By:	Date:
							Comments	
0			1, 8, 22					
2			black patch					
4			10 y 3/2					
6			v. dark grayish					
8			olive					
10								
12								
14								
16								
18								
20								
22								
24								
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CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts >4mm less than #10	Logged By:	Date:
							TAR	03/30/19
Comments								
0		sandy	silty clay				mottling 10% SGV 5/2 grayish green strong smell of H ₂ S	
2								
4								
6								
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CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts >4mm less than #10	Logged By:	Date:
							TAR	03/30/19
Comments								
0			v. dark		6		Foram bearing	
2			grayish clay				hanno bearing	
4			104 3/2				diabon & spicule rich	
6							silty clay	
8								
10								
12								
14								
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74	SS 74							
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CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts >4mm less than #10	Logged By:	Date:
							TAR	03/30/19
Comments								
0		N		6				
2		O						
4		N						
6								
8		E						
10								
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34								
36			shell fragments					
38								
40								
42								
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68								
70								
72								
74								
76								
78								
80								
82								
84			shell fragments					
86								
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96				lw				
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CM Scale	SS&TS Sample	Drilling Disturbance	Lithology	Sedimentary Structures	Bioturbation Index 1 - 6	Pebble Counts >4mm less than #10	Logged By:	Date:
							TAR	03/30/19
Comments								
0			u. d. grayish					
2			olive					
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
24			grayish green					
26			50% 5/2					
28								
30								
32								
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52								
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