

[illegible]

[illegible]

[illegible]

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				Sandro	10/03/2023
Comments												
0												0 - 5 cm: Grey stratified muddy sand (fine sand)
2												
4												5 - 10 cm: stratified sandy mud (fine sand)
6												
8												10 cm: sharp boundary
10												
12												10 - 70 cm: medium - coarse muddy sand, massive, w/ disp. clasts
14												
16												30 - 42 cm: common shell fragments
18												
20												10 - 70 cm is more poorly sorted
22												
24												
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152												

0-5 cm: Grey stratified muddy sand (fine sand)

5-10 cm: stratified sandy mud (fine sand)

10 cm: sharp boundary

10-70 cm: medium-coarse muddy sand, massive, w/ disp. clasts

30-42 cm: common shell fragments

10-70 cm is more poorly sorted

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				Sandra	10/03/2023
Comments												
0												
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54										1		
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152												

0-7cm: glendonite clast possibly fall-in

4-6cm: 3-cm long wood fragment, possibly fall-in

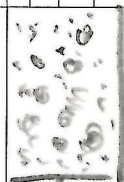
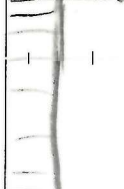
7-49cm: Grey stratified poorly sorted muddy medium to coarse sand w/ mud laminae (discrete) that are soft-sediment deformed and folded - dispersed clasts

49-66cm: Dark greyish brown soft-sediment folded mud with thin sand laminae (convolute)

66-72cm: Grey very coarse muddy sand w/ dispersed granules massive

clast are clinite

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (≥5 mm) up to 10	Logged By:	Date:	
			C	S	Sd	G	D				Sandra	10/03/2023	
Comments													
0										0-143 cm: Grey <u>interlaminated</u> <u>mud</u> and <u>poorly sorted muddy sand</u> that is strongly soft-sediment folded mud laminae are greyish brown in color. <u>dispersed clasts</u> are present, diorite, granite ranging up to 1.5 cm mud is laminated on a mm to cm scale repetition of beds is likely due to folding (convolute bedding) shell fragment at 66 cm 0-70 cm: fine muddy sand 70-143 cm: medium to coarse muddy sand poorly sorted, just an increase in average grain size downcore from 70 cm			
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CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				Sandra	10/03/2023
Comments												
0											0-14 cm: Grey v. coarse muddy sand w/ common clasts (granules), soft-sediment deformed	
2												
4											14-31 cm: Light brownish grey mud, stratified	
6												
8											31-63 cm: Graded bed of poorly sorted sandy mud with abundant brownish grey intraclasts and dispersed rock clasts	
10												
12											63-109 cm: Greyish brown strongly folded laminated mud and sandy mud; very chaotically bedded interval.	
14												
16											109-139 cm: Grey muddy coarse sand	
18												
20											Shell fragments at 121 cm	
22												
24												
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CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (≥5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				BR	10/3/23
Comments												
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152												

0-6: strongly deformed (fall-in?)

6-18: strongly brecciated

18-end: moderately brecciated

0-17: interlaminal mud and sand; sand is dominantly medium-grained

17-28: interbedded sand and mud

28-44: interlaminal mud and sand

44-67: sand w/ dispersed clasts (and large sandy intraclasts)

67-75: interlaminal mud + sand

86-89: concretion

90-94: concretion disturbed by drilling(?)

75-80: sand w/ dispersed clasts

80-87: sandy mud

90-98: sandy mud w/ dispersed clasts

98-102: laminal mud

102-end: sand w/ dispersed clasts (and large sandy intraclasts)

○ = intraclast

• = extrabasinal clast (rock)

0-6: strongly deformed (fall-in?)

6-18: strongly brecciated

18-end: moderately brecciated

0-17: interlaminal mud and
sand; sand is dominantly
medium-grained

○ = intraclast
• = extra-basinal clast (rock)

17-28: interbedded sand and mud

28-44: interlaminal mud and sand

44-67: sand w/ dispersed clasts
(and large sandy intraclasts)

67-75: interlaminal mud + sand

86-89: concretion

90-94: concretion disturbed by drilling(?)

75-80: sand w/ dispersed clasts

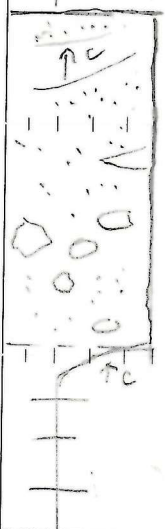
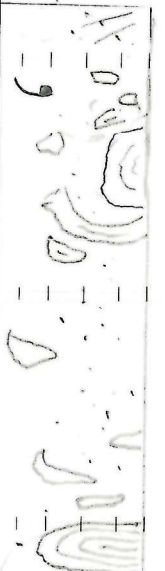
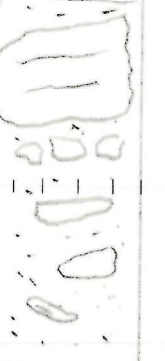
80-87: sandy mud

90-98: sandy mud w/ dispersed clasts

98-102: laminal mud

102-end: sand w/ dispersed clasts
(and large sandy intraclasts)

clast-poor sandy diamict or sand w/ common clasts

Samples	Drilling Disturbance	Lithology C S Sd G D	Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
						TF	10/4/23
Comments							
	1		0		0	0-10cm: interlaminated sand + mud	
						10-39: Matrix supported sandy intraclast conglomerate - Matrix is poorly sorted muddy sand up to med. grade - clasts look to be local rip-ups (mud)	
						39-55: interlaminated (sandy) mud + sand - mud is color-banded (red + green)	
			2	2		55-136: chaotically bedded and deformed interval consisting of tightly folded interlaminated mud + sand + intraclasts a matrix of poorly sorted muddy sand w/ grains up to coarse grade - articulated shell @ 63-64cm	
						136-140: poorly sorted sand overall fine grade w/ some coarse grade clasts	

Grey

V

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				TF	10/4/23
0												
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0-28: interlaminated sand + mud
 - CaCO₃ cemented interval
 5-9 cm
 - color banding red/gr
 on a cm scale
 - CaCO₃ interval preserves
 cm-scale coarsening & coarsening

28-71: clast-supported intra clast conglomerate
 - rounded clasts of local mud - no clear imbrication
 matrix is very poorly sorted muddy sand (up to coarse grade)

→ 5mm laminated mud
 71-base

Chaotically bedded and deformed interval w/ tightly folded intervals + rep-ups of laminated mud in a poorly sorted sand matrix
 → matrix-supported sandy conglomerate

→ lots of black coarse sand grains... amphibole?

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (≥5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				TF	10/4/23
0												
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6		1						0				
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150												
152												

0-58: Matrix-supported
sandy intra clast conglomerate

- orientation of long
axis of mud clasts
varies ↓

- shell fragment +
wood fragment
@ 56 cm

inclined

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				Comments	
0		4									Probably a continuation of Section 3, but this is so messed up by drilling disturbance that it's hard to tell.	
2		X										
4		X										
6		X										
8												
10												
12												
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150												
152												

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				ET	10/4/23
0		4						NA			Comments	
2												
4											(0-7cm)	
6											(last rich sandy	
8											diamict	
10											shell fragment	
12											1cm in diam.	
14											(last	
16											igneous/metamorphic	
18											(7-11cm)	
20											sandy mud	
22												
24												
26												
28												
30												
32												
34												
36												
38												
40											(11-16cm)	
42											muddy sand	
44												
46												
48												
50												
52												
54												
56												
58											Dark grey throughout	
60												
62												
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CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				ET	10/4/23
0		1						0		0	Comments	
2												
4											(0-18cm) dark grey sandy mud	
6												
8												
10												
12												
14												
16												
18												
20								1		0		
22												
24												
26												
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32												
34												
36												
38												
40												
42												
44								2				
46												
48												
50								1				
52											(18-36cm) same as above medium grey cemented interval possible wood fragment fragments	
54												
56												
58												
60												
62												
64												
66												
68												
70												
72												
74												
76												
78												
80											(36-41cm) sandy mud dispersed clast cemented possible wood fragment medium grey	
82												
84												
86												
88												
90												
92												
94												
96												
98												
100												
102												
104											(41-47cm) sandy mud medium grey cemented interval	
106												
108												
110												
112												
114												
116											(47cm) sandy mud shell fragments	
118												
120												
122												
124												
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140												
142												
144												
146												
148												
150												
152												

IW

Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (≥5 mm) up to 10	Comments
		C	S	Sd	G	D				
	0						0		1	(0-8cm) sand as above
	4								0	laminated thin to thick laminae
	1									(8-21cm) dark grey sand fine to medium
	4						NA		0	(22-50cm) muddy sand dark grey
	2						0		0	coarsening downwards fine to medium sand
									1	(50-55cm) sand as above
							1		3	(55-82cm) muddy sand fine to dark grey medium sand
									2	coarsening down core
							2		1	(82-101cm) dark greenish grey clast-poor sandy diamict
									0	
										3cm clast granite barnacles filled with carbonate
										(101-12cm) dark greenish grey clast-poor muddy diamict barnacles filled w/ carbonate

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				TF	10/4/23
Comments												
0		X									0-25: Fall-in rubble consisting of pebbles of "local" mud, granite, gneiss, diorite, + fine-grained, black mafics	
2		X										
4		X										
6		X										
8		X										
10		X										
12		X										
14		X										
16		X										
18		X										
20		X										
22		X										
24		X										
26		X										
28		3						0			25-Base: potentially not in place	
30		dis									- Greenish grey muddy sand w/ disp. clasts	
32											- stratified	
34												
36												
38												
40												
42												
44												
46												
48												
50												
52												
54												
56		X									→ no clast count due to drilling disturbance	
58												
60												
62												
64												
66												
68												
70												
72												
74												
76												
78												
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148												
150												
152												

CM Scale	Samples	Drilling Disturbance	Lithology C S Sd G D	Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
							GG	4 Oct
Comments								
0				4	✓		0-16: Cemented (CaCO ₃) - not (concretion) Dolomite Light grey, brown when wet	
2								
4								
6								
8								
10								
12								
14								
16								
18								
20						16-22: Washed gravel foliated coarse & fine granules		
22				4			22-135: Muddy Sand w/ dispersed clasts, high proportion coarse sand highly bioturbated - v. textured surface greenish grey dark Poorly sorted clasts < 10mm + fine granules 2-3mm	
24								
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28								
30								
32								
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36								
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42								
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102						1		
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112								
114								
116						2		
118								
120								
122								
124								
126						2	LC: grad w 10cm	
128								
130								
132								
134				3		1	135 - base: Sandy Muddy w dispersed clasts As above more mud, greyish green. less coarse sand.	
136								
138								
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148								
150								
152								

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				GG	4 Oct
0												
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152												

6-67 Sandy Mud
w dispersed clasts.
weakly stratified
grey green

fine horizontal
discontinuous laminated
coarse sands.

67-124 Muddy Sand
w dispersed clast
highly disturbed
micro sand (coarse)
↳ or less mud.
green grey

124-base sandy mud
gray green
weakly stratified

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				CG	4 Oct
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148												
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152												

0-base Sandy Mud
w dispersed
occasional faint bedding.

Back filled burrow.
horizontal + horizontal
filled



10

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				GA	4 Oct
0											Comments	
2												
4											0-40 Sandy Mud. faint bedding	
6												
8											LC: grad ~ 15cm	
10												
12											40 - bore muddy sand	
14												
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CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (≥5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				E+	10/4
0		1						0		0	Comments	
2										1		
4											(0-6cm) cemented interval with wood fragments sandy mud dark greyish brown possible fall in	
6												
8												
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152												

(6-94cm)
muddy sand
dark greenish gray
@ 33cm possible wood

(94-144cm)
dark greenish gray
sandy mud

(94-100cm)
calcareous bleb in
burrows
→ some calcareous blebs/
burrows infilled

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				ET	10/4/23
0		1						1			Comments	
2												
4											(0-133) sandy mud dark greenish grey lam. lathes thinly to thickly	
6												
8												
10												
12												
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16												
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36											(133 - 150 cm) muddy sand dark greenish grey	
38												
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152												

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (≥ 5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				ET	10/4/23
0		2										
2												
4												
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136										1		
138												
140		1										
142												
144												
146												
148												
150												
152												

(0-60cm)
muddy sand
dark grey
thin laminations

(60cm-112cm)
sandy mud with dispersed
dark grey clast
thin laminations

(112-139cm)
muddy sand
dark grey
with dispersed
clast
thin laminations

(139-148cm)
sandy mud
dark grey
clast low granite
thin laminations

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				ET	10/4/23
0		1						0		0	Comments	
2												
4											(0-40cm) muddy sand dark grey thin laminations	
6												
8												
10												
12												
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42								3		0		
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60											(40-140cm) sandy mud dark grey some thin lamellae where sand is more abundant	
62												
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CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				ET	10/4/23
0		1						3		0	Comments	
2												
4											(0-50cm) sandy mud dark grey	
6												
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60											(50-72cm) muddy sand dark grey	
62												
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72											(72-79cm) sandy mud dark grey	
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CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (≥5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				TF	10/4/23
0								2			Comments	
2								4				
4											dark greenish grey	
6												
8											0-5: sandy mud w/ disp clasts	
10												
12											5-base: mud w/ sand	
14												
16												
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dark greenish grey
0-5: sandy mud w/ disp clasts
5-base: mud w/ sand

rare tiny bivalves

[illegible]

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				Comments	
0								3			0-87: mud w/ disp. clasts	
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86												
88			[box]									
90			[box]									
92								5			87-92: sandy mud	
94								4				
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Cm Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10		Logged By:	Date:
			C	S	Sd	G	D				Comments		
-0													
-2													
-4													
-6													
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CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				Comments	
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0-base: mud w/
disp clasts
(≤ 5 mm)

more tearing in
bioturbation

* 1 kaite pseudomorph
in working half

[illegible]

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				BR	10/4/23
0											Comments	
2											slightly fractured disturbance	
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0-53: Greenish-gray L-dark
bioturbid mud w/
dispersed sand
(gradational LC)

53-82: → bioturbid sandy
mud; weakly
stratified
(gradational LC)
(sand is fine)

82-end: ←

burrows are mm- to
cm-scale dark gray f.l.c.,
mostly subhorizontal

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				BR	10/4/23
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152												

slightly fractured disturbance

0-70: greenish-grey-dark
bioturbid sandy mud
(gradational LC)

66: 2cm clast of dark igneous rock

70-end:

greenish-grey-dark
bioturbid mud w/
dispersed sand

1

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				BR	10/4/23
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148												
150												
152												

Slightly fractured dist.

greenish-grey-dark
bioturbid sandy
mud, w/ clusters
of up to medium
sand (bottle fills)
and weak stratification
from 64-end

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (≥5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				B.R	10/4/23
0											Comments	
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152												

slightly faceted disturbance

0-65: greenish-gray-dark
bioturbid sandy mud
w/ disp. clasts (grains/granules
technically, no >5mm)
but close!

65-72: med-brown calcareous
bioturbid sandy mud

72-end: greenish-gray-dark
bioturbid sandy mud
w/ disp. clasts

76: 2cm long dark igneous
rock clast

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				BR	10/4/23
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4												
6												
8												
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152												

slightly fractured disturbance

0-20: greenish-grey-dark

bioturbid sandy mud
(w/ one clast)20-23: laminar calcareous
mud

23-88: greenish-grey-dark

bioturbid sandy mud

48: burrow fill(?) w/ glauconite?
(gradual LC)

88-and: greenish-grey-dark

bioturbid muddy sand
w/ deep clasts weakly
stratified

106: concretions

124-128: concretions

2

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (≥5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				BR	10/4/23
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152												

Slightly fractured disturbance

1
0-14: continuation at base
of overlying section 5

14-74: greenish-bluish dark
bioturbid sandy mud
(gradational LC)

24: glendonite pseudomorph

74-end: greenish-bluish-dark
bioturbid muddy sand,
weakly stratified

135: mm-scale lamina
of UF sand
(were these everywhere but
have been destroyed
by bioturbation?)