

400-U1606B-1R-CC-A | SHLF12798311

Cm Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Comments
			C	S	Sd	G	D				
0											O - base: muddy sand
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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										1	0-60 as above	
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62												
64										1	60- base: muddy sand	
66											w/ dispersed	
68											clasts	
70										1		
72												
74												
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82												
84												
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90										2		
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[illegible]

Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
		C	S	Sd	G	D				Sandra	10/01/2023
										Comments	
									1	0-3cm: Dark grey clast-rich sandy diamictite (matrix attached to a grey soft siltstone clast ~ 4cm) a loose clump of sediment similar to the diamictite matrix is calcareous (10% HCl) 3-31cm: up to ~10cm long metamorphic clast, foliated/banded felsic to intermediate protolith gneiss	

Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
		C	S	Sd	G	D				Sandra	10/01/2023
										Comments	
		matrix								0-80cm: Dark grey clast-rich sandy diagenites (matrix clumps w/ washed gravel)	
										5-53cm: washed gravel of K-feldspar-rich granite, felsic to intermediate gneiss with banding / foliation, up to ~9cm long	
										56-77cm: same, washed gravel	
		matrix								53-56cm: sediment clump	
										77-80cm: sediment clump	
		matrix									

[illegible]

[illegible]

CM Scale	Samples	Drilling Disturbance	Lithology C S Sd G D	Bioturbation	Sedimentary Structures	Clast Count (≥ 5 mm) up to 10	Logged By:	Date:
							L Ives	1-Oct-23
							Comments Described from bottom up	
0							0-5cm	
2							5-14 cm: sandy mud w/ dispersed clasts	
4							A-SR granules	
6							14- cm:	
8							Similar to lower in section,	
10							but more deformed	
12							↳ muds are internally	
14							laminated - show deformation	
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④ Fall-M

① fine

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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				L. Ives	1-Oct-23
											Comments	
0											described bottom to top	
2											0 - 24 cm	
4											As 36-93 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				L. Ives	1-Oct 23
											Comments	
0											described bottom to top	
2		①						X			0-22cm: laminae continue to thicken <u>upward</u> into thin beds, but then loose their competency → sand is mixed up throughout (but still clasts distributed throughout concentrated) med grey IL s+m w/dispersed clasts 0-9cm high > fault present	
4												
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14										1		
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54											End of section 22-52cm: med grey inter laminated mud + sand ↳ mud is dk brown + silty ↳ sand is med brown muddy sand ↳ contacts between laminae are diffuse, but abrupt ↳ mud component seems constant and the sand abundance seems to fluctuate - really a result of a variation in sand abundance than anything else ↳ laminae <u>thicken upward</u> from 1mm to 5mm both the mud + the sand sharp @ 52cm laminae thicken ↳ mud input?? @ 51cm we see little shell high ✓/1 → 45-51cm: fault is real. offset in laminae > than core width @ 50-52cm: same sand as cc	
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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				L. Ives	1-Oct-23
0											Comments: logged from bottom to top	
2		①						X	M	X	End of core.	
4											3-crd: moderately sorted coarse sand to vf sand (maybe coarse silt) no med grey no?? lithologies include quartz, blk clast, and reddish stuff A-SR Structureless, but clast ap size of coarsest fraction appears to gradually fluctuate hints of laminae, but they are angled similar to to core saw, so likely disturbance from cutting	
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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	10/01/2023
Comments												
0								0	↑			0-15 cm: Grey stratified medium sand
2									↓			
4									↑			
6									↓			
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MBIO

IW

clasts are diorite

0-15 cm: Grey stratified medium sand

15-23 cm: Grey interlaminated coarse and fine sand, each lamina is massive

- sharp, erosive contact at 23 cm, irregular

- Sand in laminae shows normal and reverse grading

- laminae have sharp boundaries, w/ 1 cm thick fine sand and 4 cm coarse sand

23-35 cm: Grey medium to coarse sand, poorly sorted with mud rip up clast at 24-25 cm, massive

- Shell fragment at 30 cm

35-44 cm: Grey thinly interlaminated fine sand and sandy mud - no obvious grading - laminae are soft-sediment folded

44-55 cm: Grey massive medium to coarse sand w/ soft-sediment folding of mud laminae

55-73 cm: Grey stratified very fine sand w/ coarse sand laminae folded in

73-97 cm: Grey massive coarse to very coarse sand w/ common clasts - shell fragments

97-136 cm: Grey inter laminated (interfolded) coarse and fine sand laminae; sand w/ dispersed clasts

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	10/01/2023
0											Comments	
-2												
-4											0-62cm: Grey fine to medium sand, massive with disorganized mud interbeds (folded?)	
-6												
-8											clasts are diomite w/ dispersed clasts	
-10												
-12												
-14												
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-46												
-48											interlaminated sand and mud, sharp boundaries, graded sand (reverse or normal?) - may be upside down)	
-50												
-52												
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-152												

[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				Sandra	10/01/2023
0											Comments	
2												
4											0-5cm: Grey fine sand (biscuit)	
6												
8											5-10cm: light grey silt, thinly laminated	
10												
12											10-134cm: Grey medium to coarse sand w/ folded mud interbeds ~ 4cm thick and dispersed clasts	
14												
16											- shell fragments (26, 102 cm)	
18												
20											76-134cm: more horizontally stratified	
22												
24												
26												
28												
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112											116-118cm: fine sand lamination	
114												
116											possible large pink garnet grains	
118												
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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	10/01/2023
Comments												
0												0-5cm: fine stratified sand
2												5-12cm: normally graded fine sand to mud
4												12-22cm: normally graded sharp-based sand (from coarse to fine)
6												23-35cm: disorganized fine and coarse sand interbedding in ~1 to 2 cm scale
8												35-52cm: planar laminated mud, grading up to fine sand with faning laminae (reverse grading)
10												52-65cm: very coarse sand w/ common clasts (granules and rare pebble)
12												65-81cm: muddy sand, w/ dispersed clasts, stratified
14												81-122cm: mud w/ sand laminae, (disturbed core surface) shell fragment at 104 cm
16												122-151cm: disorganized beddy; intracrust sandy conglomerate
18												dionite pebble at 140cm - 1cm long
20												
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26												
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0-5cm: fine stratified sand

5-12cm: normally graded fine sand to mud

12-22cm: normally graded sharp-based sand (from coarse to fine)

23-35cm: disorganized fine and coarse sand interbedding in ~1 to 2 cm scale

35-52cm: planar laminated mud, grading up to fine sand with faning laminae (reverse grading)

52-65cm: very coarse sand w/ common clasts (granules and rare pebble)

65-81cm: muddy sand, w/ dispersed clasts, stratified

81-122cm: mud w/ sand laminae, (disturbed core surface) shell fragment at 104cm

122-151cm: disorganized beddy; intracrust sandy conglomerate dionite pebble at 140cm - 1cm long

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	10/01/2023
Comments												
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4												
6												
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0-44cm: Grey, color-banded inter-laminated mud and muddy sand; mud laminae are ~2cm thick w/ thinner sand laminae, w/ disp. clast

44-45cm: sand (disturbed) coarse to v. coarse

45-72cm: interlaminated v.f. sand and mud w/ 2cm mud and thinner sand laminae, color banding, sharp lamina boundaries, bedding is inclined no disp. clasts.

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	10/01/2023
0											Comments	
2		Σ										
4											0-17 cm: deformed sand (disturbed) w/ disp. clasts	
6												
8											Sand is poorly sorted fine to medium	
10		Σ										
12											PAL: forams that live in glaciomarine environments, cold	
14												
16											Atlantic (per Anne Jennings)	
18												
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CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Comments	Logged By: L. Ives	Date: 13R-1A
			C	S	Sd	G	D						
0											Top down this time		
2		(4)									0-8cm fall-in		
4													
6													
8													
10		(4)									8-13.5 cm → probably in place, but hard to tell if deformation from carry		
12													
14		(1)							M		13.5-19cm → poorly sorted massive, sand w/ mud intraclasts muddy		
16									M		→ 19cm very sharp lower contact		
18									M		19-22cm → laminated mud, smears like silty clay		
20									M		22-24cm → massive sand w/ loadcell lower contact		
22									M		24-40cm → IL S+M, carry disturbance		
24									M				
26									M				
28									M				
30		29							M				
32		(3) bore							M				
34									M				
36									M				
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150									M				
152									M				

request
this
IW
for sack

IW

They took
or sand again

End of section

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	2-Oct 13
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0-8 Muddy clast-rich Dmet (<5mm)
med greyish brown

8-17 Sandy Mud Brecciated
Dark brown

LC: sharp erosional wavy
Fine granules on contact
tempered w mud (soft)

17-26 Laminated mud
= parallel horizontal laminae mm-scale
+ thinly bedded cm-scale

LC: sharp planar

26-29 Muddy clast-rich Dmet (<5mm)
Light grey, poorly sorted massive
LC: ? clast horizon

29-36 Sandy mud
light brownish grey, poorly sorted
massive

LC: sharp wavy

36-base Interbedded Mts, Brown
cm-scale & laminated sands

Sands med to cz
massive mud reverse graded to
sands - eg 40-42

← clast! (2mm)

coarsening to top 36-38
muddy sand/sandy mud.

LC/GS

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	2 - Oct
0												
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152												

0-base Interbedded MS
sand laminated brown shales
Mud Massive brown
Brown

Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
		C	S	Sd	G	D				OG	2-Oct
										Comments	
	Fill	Dr grey grey								0-45 Muddy Sand w dispersed brownish grey clasts	
										 - clast lined contact Dr grey grey fine med Dk brown coarse med	
										Mud 'clasts' rip up? Sand matrix	
										LC: Sharp	
										45-65 Interbedded laminated Mud + Sandy Dmct (clast poor)	
									1	LC: gradational in sec	
										65-94 Sandy Dmct clast poor	
										LC: Sharp	
										94-102 Mud, brown grey	
										LC: gradational in sec	
									1	102-base grey Sandy Mud w dispersed clasts	
									2	clasts = felsic xtls.	

[illegible]

Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
		C	S	Sd	G	D				GG	2 Oct
										Comments	
										0-16 ?Laminated? dark grey Mud is sand (medium)	
										cc. observed	
										16-40 Muddy clast poor Dmct	
									2	! Lithified!	
										Dark grey	
									4	Massive	
										Fine grained grey, soft green crystals 2mm suggestive color foliation discontinuity.	

[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				Comments	
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0-base: as prev. section

Block granules (fine gr)

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			Same as prev. section	
2												
4												
6												
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46										0	Jmean shale shows 10-20% bioturbation	
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110-117 CaCO_3 concretions

1 - granite clast none

[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	
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400-U1606B-21R-6-A | SHLF12800961

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400-U1606B-21R-7-A | SHLF12800991

[illegible]

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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	10/2/20
0		1						4		0	Comments	
2												
4											(0-150cm) copy + paste	
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113-118cm) pyrite burrows
also visible on x-ray

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	10/2/23
Comments												
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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				ER	10/2/20
0		1						4		0	(0-150cm) dark greenish gray sandy mud Chondrite becoming more prominent most burrows dark gray	
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Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (≥ 5 mm) up to 10	Comments
		C	S	Sd	G	D				
	2						4		0	(0-150cm) same as above
	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				ET	10/2/23
0		1						4		0	Comments	(0-61cm) copy and paste
2		1						NA				
4		1										
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150		1										
152		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	10/2/23
Comments												
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Moderately fractured disturbance throughout

0-39: ^{bioturbid} mud w/ dispersed sand
Avg 1-2.5/10x

39-end: interbedded muddy sand, sandy mud, and mud w/ disp. sand and a few 75mm clasts — beds are on the ~5 cm thickness scale — is designated as "bioturbid sandy mud"; i.e., too high-res of divisions to capture in GEODESC

dark gray, fine-grained clast (matrix igneous?)

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	16/12/23
0											Comments	
2												
4											0-46: slightly fractured	
6												
8											46-73: strongly fractured	
10												
12											73-end: slightly fractured	
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0-46: slightly fractured
 46-73: strongly fractured
 73-end: slightly fractured

0-50: dark brown bioturbid
 sandy mud (the similar
 interbedded character is
 basal part of overlying
 section)

50-end: dark brown,
 bioturbid muddy sand
 w/ dispersed clasts
 (sand is dominantly UM to
 LC w/ some sparse VC)

Weakly
 stratified

2

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	10/2/23
Comments												
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→ a few granules,
no clasts
→ 5mm

0-60: dark brown, bioturbid,
weakly stratified muddy
sand
(gradational LC)

33-34: dark, cryptically laminated
bed → possibly organic-
rich (terrestrial)

60-104: grayish-brown-dark
bioturbid, weakly stratified
sandy mud
(gradational LC)

104-end: grayish-brown-dark
bioturbid mud w/
dispersed sand

75 + 128: ikaite/glauberite
pseudomorphs

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	10/2/23
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[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				Comments		
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CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
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sandy mud greenish
grey - medi-

for
all
sect.

weak sand laminae
almost interbedded
for 33-43 cm.

mud greenish grey
with sand, - medi.

sandy mud weak lam.
(interbedded?)

mud with sand

sandy mud
mud with sand.

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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sandy mud. greenish grey med.

sandy mud greenish grey med.

weak sand laminae

55-58 c } calcareous
103-108 c } blb
bioturbated

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
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mud with sand greenish
shell frag. gray medium

all
sects.

Sandy mud.
weak sand laminae
sand pockets (60%),

shell frag

bleb of bioturbated calc. mud.
mud with sand.

sandy mud.
weak laminae

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
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CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
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sandy mud greenish
grey med.

calc bleb bioturbate

calc bleb bioturbated

[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				Sandra	10/02/2023
Comments												
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0-150 cm: Dark grey bioturbated mud w/ dispersed fine to fine sand throughout
 - few coarse sand grains and
 - black-lined burrows throughout core.

102 cm: black soft mud
 1 quartz grain, well rounded with it.

SS shows black soft mud is full of sponge spicules, possibly a burrow fill?

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	10/02/2023
0											Comments	
2												
4											0-25cm and 45-150cm: Dark gray bioturbated mud — dispersed fine to v. fine sand	
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0-25cm and 45-150cm:
Dark gray bioturbated
mud — dispersed fine
to v. fine sand

26cm: red-brown rock clast
~ 5mm

25-45cm: sandy mud
w/ dispersed clasts
(more dispersed sand)

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	10/02/2023
Comments												
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148												
150												
152												

I W

0-140 cm = same as S2.
granule at ~2cm - w/
dispersed clasts
- dispersed w/ fine to
coarse sand grains
24cm: small pseudomorph
reddish brown (orange)
glendonite?

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	10/02/2023
0											Comments	
2												
4											Same as s.3 - dispersed sand	
6												
8												
10												
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72							3					
74												
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148												
150												
152											148cm: black (trifid volcanic?) granule	

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	10/02/2023
Comments												
0										0		0-124 cm: same as S.4
2												
4												
6												
8												
10												
12												
14												
16												
18												
20												
22												
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42												
44												
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52												
54												
56												
58								3				68-69cm: pyritized burrow fills with black mud
60												
62												
64												
66												
68												
70												
72												
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76												
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112												
114												
116												
118												
120												
122												119-125cm: calcareous mud, yellowish between 119-120cm; interval is disturbed
124												
126												
128												
130												
132												
134												
136												
138												
140												
142												
144												
146												
148												
150												
152												

0-124cm: same as 1.4

68-69cm: pyritized burrow
fills with black mud119-125cm: calcareous
mud, yellowish between
119-120cm; interval is
disturbed

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				BRR	10/2/23
Comments												
0								4			0-10: strongly brecciated	
2											10-end: slightly fractured	
4												
6												
8												
10												
12												
14												
16												
18												
20												
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152												

greenish-grey I -dark
bioturbated mud
w/ dispersed

a few pockets/clusters
of medium to vc sand
grains (burrw fill)

distinct black-filled
traces throughout the
entire core

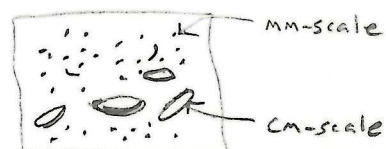
</

0-10: strongly brecciated
 10-end: slightly fractured

greenish-grey I-dark
 bioturbated mud
 w/ dispersed

a few pockets/clusters
 of medium to vc sand
 grains (burrer fill)

distinct black-filled
 traces throughout the
 entire core



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	10/2/23
0												
2												
4												
6												
8												
10												
12												
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150												
152												

slight fracturing disturbance

greenish-gray-dark

bioturbid mud w/
dispersed sand

similar trace/burrows
to Section I

a few vc to granules
scattered about ... very
sparse

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	10/2/23
0											Comments	
2												
4												
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152												

slight fracturing disturbance

greenish-gray-dark
bioturbid mud w/
dispersed sand

- the dispersed sand
is vt to lower fin
at most ... this is
almost a true mud

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	10/2/23
Comments												
0												
2												
4												
6												
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152												

0-107: slight fracturing
disturbance

107-end: severely bioturbated

0-122:

Greenish-gray-dark

bioturbated mud w/
dispersed sand

(mostly vt tot, saw
one ~2 mm grain)

122-128: calcareous mud

(and also partially
carbonate-cemented)

128-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				Sandra	10/02/2023
0											Comments	
2											0-27cm: Dark greenish grey bioturbated sandy mud; 9-27cm biscuits	
4												
6												
8												
10												
12								3			27-150cm: Same color, but muddy sand w/ dispersed clasts (fine sand)	
14												
16												
18												
20												
22											44-45cm: shell fragments	
24												
26												
28												
30												
32											56cm: black volcanic clast 149cm as well	
34												
36												
38												
40												
42								4			70-150cm: crude stratification, horizontal	
44												
46												
48												
50												
52										1		
54												
56												
58												
60												
62								3				
64												
66												
68												
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72												
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76												
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92								2				
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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				Sandra	10/02/2023
0											Comments	
2											0-17cm: Dark green with grey muddy fine sand w/ dispersed coarse sand grains	
4												
6											17-98cm: Dark greyish brown fine to medium sand, poorly sorted - crude horizontal stratification throughout section	
8												
10											98-131cm: fine muddy sand, Some concentrations of coarse sand grains 102-106 cm, also at 132 cm, maybe burrow fills?	
12												
14											131-134cm: Yellowish green calcareous mud	
16												
18											134-150cm: Grayish brown sandy mud	
20												
22												
24												
26												
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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				Sandra	10/02/2023
0											Comments	
2												
4											0-72cm: Greyish brown muddy ^{fine} sand w/ dispersed clasts, bioturbated and stratified (weakly)	
6												
8											72-93cm: muddy very fine sand	
10												
12											93-122cm: sandy mud w/ yellowish traces (calcareous)	
14												
16											122-131cm: sandy mud w/ dispersed clasts	
18												
20												
22												
24												
26												
28												
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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				Sandra	10/02/2023
0											Comments	
2											0-10 cm: sandy mud	
4											grading down to	
6											10-60 cm: muddy fine	
8											sand, moderately sorted	
10											w/ yellowish traces	
12											at 51 and 61 cm	
14												
16												
18												
20												
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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	10/02/2023
											Comments	
0											0-20cm: Same as S.4.	
2											20-104cm: Greyish brown	
4											poorly sorted muddy	
6											sand w/ dispersed clasts	
8											(in clusters)	
10											30-32cm: cluster of coarse	
12										1	sand grain in yellowish	
14											mud	
16												
18												
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[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				Comments	
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2												
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14												
16												
18												
20										1		
22												
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26		~										
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30												
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34								(3)				
36												
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76										1		
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dark greyish yellow
muddy sand.
with dispersed clasts
mainly > 2, < 5 mm.

- coarse sand pocket

1 pseudomorph after ikaite.
42 cm: transported (?)
intraclast.

shell frag.

shell frag

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	3 Oct
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C-base interbedded
cm-scale beds are
~1-3 cm thick
inverse/reverse bedded
000° Sand burrows washed out

1 < 5 mm

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (≥ 5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				L. Ives/GA	2 Oct 23
0											Comments	
2		4									muddy sand 0-37	
4		sample										
6												
8												
10												
12								3			0-9 cm	
14												
16												
18											Bioturbated -	
20											interbedded faint →	
22											horizontal bioturbation	
24											Some vertical	
26												
28											LC gradational - 20 cm	
30												
32												
34												
36												
38												
40										10		
42											37-53 cm	
44										1	brown grey	
46										50	interbedded	
48											reverse graded	
50											Sands / mud	
52											shells +	
54											rare	
56												
58												
60										60	64 cm gradational (graded to	
62											pebbles)	
64												
66												
68										70		
70												
72												
74											occasional vertical / inclined	
76											burrows	
78												
80												
82												
84												
86												
88												
90											Muds unmassive well sorted	
92											Sands fine to medium	
94												
96												
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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				L Ives	2 - Oct - 23
Comments												
-0												
-2												
-4												
-6												
-8												
-10										10		As above
-12												↳ muddy sand
-14												
-16										1		
-18										20		
-20												
-22												
-24												-- 21cm grad
-26												IL S+M, as above
-28												↳ varies in:
-30												- degree of mixing
-32												- thickness of lam.s
-34												- coarseness + Sorting of
-36												Sands
-38												
-40												
-42												
-44												
-46												
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-146												
-148												
-150												
-152												

Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (≥5 mm) up to 10	Logged By:	Date:
		C	S	Sd	G	D				L Ives	2-Oct. 23
Comments											
	① free ↓						② ↓			AS above 0-91cm	

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				L. Ives	2-Oct-23
Comments												
0		①						④	=		As previous w/ subtle laminations ↳ sands are also a bit more dispersed than above	
2		↓						↓				
4		frac.										
6												
8												
10												
12												
14												
16												
18												
20												
22												
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74												
76												
78												
80												
82												
84								②	1		grad @ 83:m	
86								↓			possibly a less bioturbated version of the same above	
88											IL S+M	
90											↳ dark gray, but mud has a reddish-brown color	
92											↳ sand doesn't really occur in the mud laminae, but it's been dragged up & down thru bioturbation	
94											↳ larger crusts occur in the sand	
96											↳ shell frag. continue, still burrows, not pyritized	
98												
100												
102												
104												
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114												
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144												
146												
148												
150												
152											EOS	

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				L. Ives	2 Oct 23
Comments												
0		①						④			As above ↳ including skulls + pyritized burrows	
2		↓										
4		fract.										
6												
8												
10												
12												
14												
16												
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80												
82												
84												
86												
88												
90												
92												
94								②			93cm gradational IL Stm ↳ sands are same as above ↳ grey mud as lams	
96												
98												
100												
102												
104												
106												
108												
110												
112												
114											103cm gradational As 0-93cm	
116								④				
118												
120												
122												
124												
126												
128												
130												
132												
134												
136												
138												
140												
142												
144												
146												
148												
150											EOS	
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				L. Ives	2 Oct 23
Comments												
0		②						?	=	0		
2		b.s.										
4												
6												
8												
10												
12												
14												
16												
18												
20												
22												
24												
26		27										
28		④										
30		brecc.										
32												
34		36						X	X	X		
36												
38												
40		①						↓				
42		↓										
44		fine.										
46												
48												
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142												
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146												
148												
150												
152												

1

→ 1 remarkably round blk mafic pebble (2cm)

EOS

[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				Comments	
0												
2												
4												
6												
8												
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132												
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140												
142												
144												
146												
148												
150												
152												

0-base: bioturbated
thinly interbedded
mud & sand.
inclined 6-7°

sand beds thicken
downward, from ~1cm
to ~3cm (general
trend)

1

2

IW

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								0				
2												
4												
6												
8												
10												
12												
14												
16												
18												
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136												
138												
140												
142												
144												
146												
148												
150												
152												

0-6cm: poorly sorted
fine sand
massive

6-17: sandy mud
stratified / bedded
CaCO₃ cemented

thinly
17-base: interbedded
sand and mud

- Bioturbation increases
downward

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	0	0						3			o. base: thinly interbedded mud + sand Bio tur bated - varies - with disp clasts. Some coarse sand to granules mixing in Sand beds becoming thicker in this section (3-5cm) Horizontal bedding	
2												
4												
6												
8												
10												
12												
14												
16												
18												
20												
22	1							1				
24												
26												
28												
30												
32												
34												
36												
38												
40												
42	2							2				
44												
46												
48												
50												
52												
54												
56												
58												
60												
62	3											
64												
66												
68												
70												
72												
74												
76												
78												
80												
82	0											
84												
86												
88												
90												
92												
94												
96												
98												
100												
102	0											
104												
106												
108												
110												
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118												
120												
122	0											
124												
126												
128												
130												
132												
134												
136												
138												
140												
142	0											
144												
146												
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				Comments	
0												
2												
4												
6												
8												
10												
12												
14												
16												
18												
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142												
144												
146												
148												
150												
152												

0-base: interbedded mud
and sand

- Sand (f) seems
cleaner and better
sorted than in
above sections

inclined bedding
 $\sim 6^\circ$

fine-grained
bedding

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								3				
4												
6												
8												
10												
12												
14												
16												
18												
20												
22												
24								2				
26												
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32												
34												
36												
38								3				
40												
42												
44												
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48												
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52												
54								0				
56												
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146												
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	3 Oct
0								3			0 - 48 IB M+S	
2												
4												
6												
8												
10												
12												
14												
16												
18												
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150												
152												

[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				GG	3 Oct
0												
2												
4												
6												
8		S					4					G-base as above
10												13 m/s c d.s.p. clasts
12												
14												
16												
18												
20												
22												
24												
26												
28												
30												
32												
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52												
54							3					
56												
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68												
70												
72							1					
74												
76							3					
78												
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152												

IW

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	3 Oct
0		1						0-4				
2												
4												
6												
8												
10												
12								3				
14												
16												
18												
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36												
38								4				
40												
42												
44										2		
46												
48												
50												
52												
54												
56												
58												
60												
62												
64												
66												
68												
70								2				
72												
74												
76												
78												
80												
82												
84												
86												
88												
90												
92								4				
94												
96												
98												
100												
102												
104												
106												
108												
110												
112												
114								2				
116												
118												
120												
122												
124												
126												
128												
130								3				
132												
134												
136												
138												
140												
142								4				
144												
146												
148												
150												
152												

0-base Interbedded s+m
medium grey w dispersed clay
(generally 3-5mm)

muds - light grey
sands - darker grey
up to coarse (macroscopic)
mossy med

Thinly bedded
Sharp based mud
grading upward to sand
also reverse grading
where visible



Bioturbation variable
from 2 - 4
at times well mixed
indistinct bedding
to well preserved

burrows generally
indistinct
predominantly sand filled
Some larger sand backfilled cm-scale

Clasts - 3-5mm
fine grained black

nb
max 8°
inclined beds

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	10/03/23
0											Comments	
2		4						NA		0		
4											(0-33cm) interbed mud and sand dark grey	
6												
8												
10												
12												
14												
16												
18												
20		1						3				
22												
24												
26												
28												
30												
32												
34												
36		1								0	(33cm-124cm) sandy mud dark grey	
38												
40												
42												
44												
46												
48												
50												
52												
54												
56												
58												
60												
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146												
148												
150												
152												

(124-150cm)
sandy mud
dark grey
grey burrows
pyrite in burrows

[illegible]

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:	Comments
			C	S	Sd	G	D				E+	10/3/23	
0		1						3		0			(0-150cm)
2													copy + paste
4													shell fragments rare
6													very fine to fine sand
8													
10													
12													
14													
16													
18													
20													
22													
24													
26													
28													
30										1			
32										0			
34													
36													
38													
40													
42													
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142													
144													
146													
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				ET	10/3/22
0		1						3		0	(0-18cm)	
2											muddy sand	
4											dark grey	
6												
8												
10												
12												
14												
16												
18												
20												
22								3		0	(18-35cm)	
24											sandy mud	
26											dark grey	
28												
30												
32												
34												
36												
38												
40												
42											(35-40cm)	
44											sandy mud	
46											dark grey	
48											laminated	
50											~0.5cm	
52											some carbonate in laminae	
54												
56												
58												
60												
62												
64												
66												
68												
70												
72											(40cm-137cm)	
74											muddy sand	
76											dark grey	
78											shell fragments	
80											some burrows infilled	
82											with carbonate	
84												
86												
88												
90												
92												
94												
96												
98												
100												
102												
104												
106												
108												
110											* Coccoliths in	
112											smear slide	
114												
116												
118												
120												
122												
124												
126												
128												
130												
132												
134												
136												
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142												
144												
146												
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				Et	10/3/23
0		1						3		0	Comments	
2												
4											Cc-18cm J1 muddy sand dark grey	
6												
8											(18cm-150cm) sandy mud dark grey	
10												
12											shell fragment rare	
14												
16											large coarsening downcore	
18												
20												
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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	10/3/22
0		1						3		0	Comments	
-2												
-4											(0-150cm)	
-6												
-8											sandy mud	
-10												
-12											dark grey	
-14												
-16											shell fragments	
-18												
-20											calcareous infill	
-22												
-24											in burrow	
-26												
-28											pyrite in burrows	
-30												
-32												
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[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				ET	10/3/25
											Comments	
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 98 100 102 104 106 108 110 112 114 116 118 120 122 124 126 128 130 132 134 136 138 140 142 144 146 148 150 152		1						3		0		(c-84cm) sandy mud dark grey

[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				Comments	
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-2												
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[illegible]

[illegible]

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Comments
			C	S	Sd	G	D				
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-116											</

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		41										
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[illegible]

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:	Comments
			C	S	Sd	G	D				GS	3 Oct	
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[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				CG	3 Oct
Comments												
0		S						S	W	X	0-50x Bo. mud	
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[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				GG	30/8
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in hole

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (≥5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				64	3 Oct
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C-base: B.O. Mud

[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				GG	3 Oct
0											Comments	
2	Σ							5	U	0	O-base Biotubated mud	
4											dark greenish grey.	
6												
8												
10												
12												
14												
16	B ₁₀₀										Burrens are mud lined	
18											occasional sand lined	
20											generally horizontal	
22											thin (3mm) long up to 20mm	
24	Σ										few pyritised burrows - same	
26											Rare fossil, brachiopod	
28											fish vertebrae	
30											light brown	
32											Calcareous blebs throughout	
34											further burrowed	
36											discontinuous across core face.	
38												
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72												
74	Σ										Also pyritised burrow linings	
76											reburrowed	
78												
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pyrite
e.g. core 6A - 123cm
7A - 67cm

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				BOR	10/3/23
0											Comments	
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4											0-39: strongly fractured	
6												
8											39-end: slightly "	
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0-39: strongly fractured

39-end: slightly "

greenish-grey-dark
bioturbated mud-very sparse dispersed
sand that is lower
very fine (almost silt!)-no bigger grains, def
no clasts

-one small (3mm) shell frag

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
0											Comments	
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4											Slightly fractured disturbs	
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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
0											Comments	
2											slightly fractured disturbance	
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slightly fractured disturbance

greenish-gray-dark
bioturbated mud
w/ dispersed sand

- more pockets/clusters (burrow
fills?) of fine sand,
relative to overlying
section; some medium-
grained sand w/in these
pockets

- some weak horizontal to
sub-horizontal 'vibes', hard
to tell if remnant bedding/
lamination or horizontally
oriented burrows/traces

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
0											Comments	
2								3			slightly fractured disturbance	
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20											4-6 cm: pyritized organic matter (?)	
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36											0-63: greenish-grey-dark	
38											bioturb'd mud w/	
40											dispersed sand	
42											(gradational Lc)	
44												
46												
48												
50	SS										63-end: greenish-grey-dark	
52											bioturb'd sandy mud	
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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
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slightly fractured disturbance

greenish-gray-dark
bioturbid mud w/
dispersed sand

- sand in pockets/clusters
(burrow fills, likely) and
generally vt to fine-
grained w/ spars medium
grains)

- similar to overlying
section, these clusters
appear to be in 25-10 cm
intervals where they are
more abundant

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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144												
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148												
150												
152												

slightly fractured disturbance

greenish-grey-dark
bioturb'd mud

w/ dispersed sand

(sand size similar to
above sections, a few
medium grains here
and there)

[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		X									BZ	10/3/23
-2		X										
-4		X										
-6		X										
-8		X										
-10		X										
-12		X										
-14		X										
-16		X										
-18		X										
-20		X										
-22		X										
-24												
-26	PAL											
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-152												

[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												
2												
4												
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10												
12												
14		①										
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152												

dark greyish yellow
Sandy mud,
with dispersed clasts
($< 2\text{mm}$).

- shell dissolved.
(230, 75-)

intraclasts: coarse
cemented grains $\neq$ from
the surrounding matrix.
not calcitic.

burrows filled with
dark material

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												
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dark greyish yellow
muddy sand.

with disp clasts
(granules 1-2 mm).
pseudomorph after iKaite

burrows filled
with dark material
pseudomorph after iKaite (?)
in the crack.
dissolved shell.

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												
8												
10												
12								(3)				muddy sand dark greyish yellow with disp clasts.
14												
16												
18												
20		(1)										
22												
24												
26												
28												
30												
32												
34												
36												
38												
40												
42												
44		(1)						(2)				sharp wavy laminat ⁿ /interbedded calcareous muddy with disp clasts Sand.
46												
48												
50												
52												
54												
56												sharp contact horizon
58												
60												
62												
64												
66												
68								(3)				dark greyish yellow muddy sand.
70												
72												
74												
76												
78												
80												pseudomorph after ikaite
82												
84												
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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				L Ives	3-Oct-23
0											Comments	
2		④									fall-in	
4		Severe									0-9cm	
6												
8												
10												
12												
14		②						④	=	0	9cm - end: dk brown muddy sand	
16								↓	↓	↓	w/ dispersed clasts	
18											↳ strongly bioturbated laminae	
20											↳ mixture of dk brown + medium yellow	
22											@ glendonite 36cm	
24											brown	
26												
28												
30												
32												
34												
36												
38												
40												
42											↳ cm-scale interval w/ dispersed	
44											coarse-grained sand occur	
46											through out	
48											the one called out	
50											Below has pebble-	
52											57cl clasts	
54											--- 51cm gravel	
56											w/ dispersed clasts	
58											→ grey SR-R sandy	
60											interclasts +	
62											black rocks up to 1cm	
64												
66												
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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				L. Ives	03 Oct 23
0		①						④			Comments	
2		↓						↓				
4		frac.									O - end: As above ↳ dispersed sand intervals also have interclasts of gny.	
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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				L. Ives	03-Oct-23
Comments												
0		①						④			0-95 cm ↳ dk brown bioturbated muddy sand (as above) ↳ Shells present (small fragments) ↳ fewer "granule bearing" beds 	

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (≥5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				L. Ives	03 Oct 23
Comments												
0		①						②?	=			0-9cm : laminated muddy sand w/ dispersed clasts (w/ gry intraclasts) ↳ mud brown w/ gry ^{rounded} intraclasts muddy
2												Sharp @ 9cm
4								?				9-16cm: AS in bottom of 4A mud w/o clasts
6												Sharp @ 16cm
8								?				16-36cm : IL M+S w/ dispersed gry mud intraclasts up to 5cm diameter
10												Sharp @ 36cm
12								?				36-58cm: mud gry brown muddy sand
14												Sharp @ 58cm + wavy
16												58-65cm: finny upward <u>gry</u> muddy sand
18								?				Sharp, wavy contact @ 65cm
20												
22												
24												
26												
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clear
laminations
infilling
wavy surface.

2 → two, rounded gneiss pebbles @ and above
75cm contact

75-80cm: → this is where the
grey begins

+ wisps of calcareous mud

80-97: dk gry muddy sand

97-105cm: brecciated muddy sand.

105-113cm: muddy sand w/ black burrows

113 - end cm

as 80-97.

this gry muddy sand looks
identical to the intraclasts

CM Scale	Samples	Drilling Disturbance	Lithology					Bioturbation	Sedimentary Structures	Clast Count (>5 mm) up to 10	Logged By:	Date:
			C	S	Sd	G	D				L-Fres	3-Oct 23
											Comments	
-0		(1)						(5)			O-end	
-2											↳ thoroughly bioturbated	
-4											muddy sand w/ dispersed clasts	
-6											↳ clasts: rounded quartzite +	
-8											up to 4mm diameter.	
-10											bigger ones in XSCAN	
-12											↳ no intraclasts	
-14											↳ remnants of laminations are	
-16											rare preserved sand + mud	
-18											intervals	
-20											↳ shells + sand-filled burrows	
-22											↳ carbonate "whiffs" occur at	
-24											16 cm, 50cm, 89cm, 128cm	
-26											↳ these interval tend to be	
-28											better-sorted / less bioturbated	
-30											↳ fizzis mildly. Maybe an early	
-32											cement that inhibits mixing??	
-34												
-36												
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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				L. Fres	3 Oct 23
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As above: → small calcareous
Whorls throughout
bioturbated dk gray
muddy sand w/ dispersed
clasts up to 1cm,
but mostly granules
↳ sand filled burrows
↳ shells
→ big, gneissic, round pebble.

— 101
cemented interval
— 103

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											start at 5 pm	
2											0-80cm: Dark greenish grey sandy mud w/ dispersed clasts - yellowish calcareous traces and clear burrow fills are present and these are locally cemented (11-15cm)	
4												
6												
8												
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											80-150cm: muddy sand	
											92cm: yellowish intraclast or burrow fill?	
											clasts are intermediate igneous rocks (diorite) 4-5mm in size	
											135cm: mud intraclast?	

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												0-139cm: Dark greenish grey muddy sand, w/ds
2												- some coarser sand, more poorly sorted.
4												clasts < 5mm
6												
8												
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30									28 H			
32									32			
34												
36												- yellowish traces with calcareous cemented sandstone
38												
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74									72			
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IW

0-139cm: Dark greenish
grey muddy sand, w/disp clasts

- some coarser sand,
more poorly sorted.

clasts < 5mm

- yellowish traces with
calcareous cemented
sandstone

89cm: diorite pebble

138cm: granitic granule

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												
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0-70 cm: Dark greenish grey
muddy sand

- yellowish tracer

70-80 cm: Yellow carbonate
cemented sandstone

80-103 cm: Dark greenish
grey sandy mud

103-147 cm: muddy sand
w/ dispersed clasts

- mafic and intermediate
igneous lithologies,
also granitic granule

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											0-4cm: same as S.3	
2											4-149cm: Dark greenish	
4											grey sandy mud w/	
6											dispersed clasts	
8											- shell fragments are present	
10											- yellowish traces	
12											- clasts are intermediate	
14											to mafic igneous	
16												
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