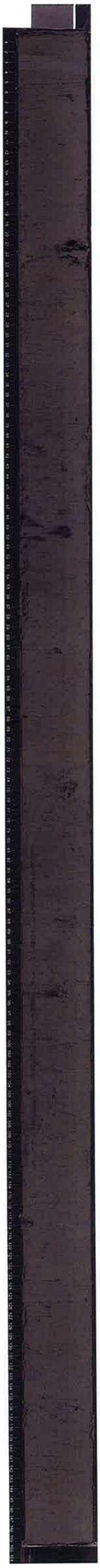
339-U1389D-11H-1-A_SHLF^593021_20111228021624_.tif

Expedition 339: Mediterranean Outflow

3/14



Drilling disturb.	Color	Grain-size Avg.	Grain-size Max.	Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: NN	Date: 28/Dec/2011
Undisturbed	2.5Y 4/1	Clay	Fine sand (foram)	Massive	BI:2		Type 1 : Mud · Foram present · Py burrow · Dispersed small shell fragments ↓ <1mm · Redish-brownish color 41 Py burrows 48 50 61 Shell fragment 176 Py burrow 94 burrow filled with silt & shell fragments		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

339-U1389D-11H-2-A_SHLF3593051_20111228022206_.tif

Expedition 339: Mediterranean Outflow

3115

Drilling disturb.	Color	Grain-size Avg.	Grain-size Max.	Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: NN	Date: 28/Dec/2011

-- 0 --

Type 1: Mud (same as above)

-- 10 --

Relatively silty (due to burrows)

-- 20 --

-- 30 --

-- 40 --

-- 50 --

58 Py burrow

-- 60 --

-- 70 --

Undisturbed

-- 80 --

-- 90 --

Gradational change

96

-- 100 --

2.5Y 4/1 | Silt | Medium sand (foram) | Massive | BJ:2

Type 2: Silty mud

Fining upward

-- 110 --

112 burrows filled with f-s-silt

-- 120 --

124 burrows filled with silt & shells

-- 130 --

138

-- 140 --

140

141

-- 150 --

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

3116

Drilling disturb.	Color	Grain-size Avg.	Grain-size Max.	Sed. struct. / contact	Bioturb.	Samples	Comments
Undisturbed	2.5Y 4/1	Clay	M. sand (foram)	Massive (Gradational contact)	BI:2		Type 1: Mud (Gradational contact)
	2.5Y 4/1	Silt	F. sand	Massive (Gradational contact)	BI:3		Type 2: Silty mud (tube worm?)

Logged by: N N

Date: 28/Dec/2011

-- 0 --
-- 10 --
-- 20 --
-- 30 --
30.5
-- 40 --
-- 50 --
55
56
-- 60 --
68
-- 70 --
71
-- 80 --
-- 90 --
-- 100 --
-- 110 --
112.5
113.5
117
-- 120 --
122
127.5
128
-- 130 --
132
135
137
138
-- 140 --
143.5
-- 150 --

Type 2: Silty mud (same as above)

7

Relatively coarser part

15

Gap

Coarsening upward

Silty mud

Gap

Mud

Type 1: Mud

Gap

Gap

Fining upward

123

Type 2: Silty mud

tube worm?

Gap

crack

crack

crack

crack

Silty mud

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

3117

	Drilling disturb.	Color	Grain-size Avg.	Grain-size Max.	Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: NN	Date: 28/Dec/2011
0–30	Undisturbed							Type 2: Silty mud (same as above)		
31		GLEY1 4/1 10Y	Silt	Fine sand	Massive (Gradational contact)	BI:3		Type 2.5: Sandy mud • Foram present • Relatively dark brownish color		
49–54								Dispersed shell fragments		
55		GLEY1 4/10Y	Silt	Fine sand (in burrows)	Massive (Gradational contact)	BI: 2 (Average.)		Type 2: Silty mud Relatively coarser part (due to burrows) BI:3 69 • Foram present • Relatively reddish-brown color		
87	crack									
108–109	crack									
112								Shell fragments		
115		GLEY1 4/10Y	Clay	Fine sand	Massive (Gradational contact)	BI:2		Type 1: Mud • Foram present		
138–140								Gap		
145										

Coarsening upward

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

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3118

Expedition 339: Mediterranean Outflow

Depth	Drilling disturb.	Color	Grain-size Avg.	Grain-size Max.	Sed. struct. / contact	Bioturb.	Samples	Comments
-- 0 -- 4	Crack							Type 1: Mud (same as above)
-- 10 --								
-- 20 --					Gradational contact			
27 -- 30 --		GLEY1 4/10Y	Silt	very fine sand	Massive	BI: 2		Type 2: Silty mud · Foram present — Fining upward
-- 40 --								
-- 50 --								
-- 60 --	Undisturbed							
-- 70 --								
-- 80 --					Gradational contact			
82 -- 90 --		GLEY1 4/10Y	Clay	very fine sand (Foram)	Massive	BI: 2		Type 1: Mud · Foram present — Coarsening upward
-- 100 --								
-- 110 --								
-- 120 --					Gradational (color) contact			
-- 130 --		GLEY1 4/1 5GY	Clay	very fine sand (Foram)	Massive	BI: 2		Type 1: Mud · Foram present · Relatively greenish grey color.
-- 140 --								
148 -- 150 --								

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

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3119

Expedition 339: Mediterranean Outflow

Drilling disturb.	Color	Grain-size Avg.	Grain-size Max.	Sed. struct. / contact	Bioturb.	Samples	Comments
Undisturbed	GLEY1 4/1 10Y	Clay	Medium sand (foram)	Massive; Gradational (color) contact	BI:2		Type 1: Mud (same as above) 11 Py burrow Calcareous Mud 35 Foram patch 50 69–75 Py burrows Type 1: Mud • Foram present • Relatively brownish grey color • Py burrows

Logged by: N N

Date: 28/Dec/2011

-- 0 -- -- 10 -- -- 20 -- -- 30 -- -- 40 -- -- 50 -- -- 60 -- -- 70 -- -- 80 -- -- 90 -- -- 100 -- -- 110 -- -- 120 -- -- 130 -- -- 140 -- 143 144 145 -- 150 --

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

339-U1389D-11H-7-A_SHLF?593201_20111228024855_.tif

Expedition 339: Mediterranean Outflow

3120

	Drilling disturb.	Color	Grain-size Avg.	Grain-size Max.	Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: NN	Date: 28/Dec/2011
0–95.5	Undisturbed; Crack (20, 44, 60)	2.5Y 4/1	Silt	Very fine sand	Massive; Gradational contact (86)	BI:2		Type 1: Mud (same as above); 12–14 small shell fragments; Nannofossil Mud; 37 Py burrow; Type 2: Silty mud · Foram present · Dispersed shell fragments; 86 Py burrow; Fining upward		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

3121

Drilling disturb.	Color	Grain-size Avg.	Grain-size Max.	Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: N N	Date: 28/Dec/2011

Undisturbed

Type 2: Silty mud (same as above)

18 Foram patch

27 Relatively coarser part

32

MAJOR LITHOLOGY:

MINOR LITHOLOGY: