

Expedition 339: Mediterranean Outflow

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: RDF	Date: 11/26/11
		Avg.	Max.						
--0--							0-46 Slightly reddish gray clay, mostly disturbed by coring		
--10--									
--20--									
--30--					3				
--40--									
39									
--40--	10YR 6/1	clay	m sand forams				46 Sharp but chemical		
--50--							lighter gray clay, bioturbated, continues into next section		
--60--	5Y 6/1	clay	m sand forams		3		occ pyritized burrows.		
--70--									
--80--									
--90--									
--100--									
--110--									
--120--									
--130--	5Y 6/1	clay	m sand forams		3				
--140--									
--150--									

SS 75 cm:  
NANNOFOSSIL Ooze  
WITH MUD

MAJOR LITHOLOGY: Terrig clay

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: RDF	Date: 1924 11/26/11
		Avg.	Max.						
0--	5Y 6/1	clay	m Sand forams		3		0-61 (continues from above) lighter gray, bioturbated clay, some reddish & greenish mottles, occ pyritized burrows		
10--									
20--									
30--	UNDISTURBED	clay	m Sand forams	69 <sup>r</sup> ps. pyrit. burrow	3		61-127 bioturbated contact greenish grey bioturbated mud, some lighter burrow fills, some intervals with pyrit. burrow fills, larger interbeds near base.	SS	
40--									
50--									
60--	UNDISTURBED	clay	m Sand forams	57 large pyrit. burrow	3		75 cm: SILTY MUD NANNOFOSSIL Ooze		
70--									
80--									
90--	UNDISTURBED	clay	m Sand forams	105-114 Numerous pyrit. burrows	3		127 - bottom gray bioturbated clay, with some reddish intervals, bioturbated		
100--									
110--									
120--	UNDISTURBED	clay	m Sand forams	burrow fill granular	3				
130--									
140--									
150--	UNDISTURBED	10 <sup>8</sup> YR 6/1	clay	m Sand forams					

MAJOR LITHOLOGY: terrigenous clay

MINOR LITHOLOGY:

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Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: PDF	Date: 11/26/01
		Avg.	Max.						
-- 0 --							0-150		
-- 10 --	5Y6/1	Clay	m sand forams	biot	3		gray clay w/ color bands <del>not</del> bioturbated but primary lamination may be visible		
-- 20 --				Dyt burr					
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --				Dyt burr					
-- 70 --					3				
-- 80 --	5Y6/1	clay	m sand forams	(not stiff) 7% pyrite in shell?			75 cm SS 75 cm NANNOFOSSIL Ooze WITH MUD		
-- 90 --	Undisturbed			82 " 84 "					
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --				127 pyt. burr					
-- 140 --	5Y6/1	clay	m sand forams		3				
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

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		Avg.	Max.						
-- 0 --	5Y6/1	Clay	m foran sand		3		0-30 (from above) gray mud, mottled/bioturbated		
-- 10 --									
-- 20 --				))))))					
-- 30 --				))))))					
-- 30 --							30 bioturbated contact.		
-- 40 --	5Y5/1			35 pyrt. burrow	3		darker clay w/ interbedded lighter clay @ ~10cm thickness		
-- 50 --				49 pyrt. b.					
-- 60 --				57 pyrt. b					
-- 70 --				62 pyrt. b					
-- 80 --	Undisturbed						75 cm: SS NANNOFOSSIL Ooze WITH MUD		
-- 80 --				81 pyrt. burrow	3				
-- 90 --				))))))					
-- 100 --							99 bioturbated contact. lighter layer, bioturbated, some Zoophycus burrows		
-- 110 --	5Y6/1			)))))) ))))?)	3				
-- 120 --							118 (to next core) section - bioturbated contact		
-- 120 --	5Y5/1						Somewhat darker gray clay, but interlayered w/ lighter & reddish material, bioturbated		
-- 130 --									
-- 140 --				137 138 pyrt 141 burrow	3				
-- 150 --	5Y6/1			))))?) ))))?)					

MAJOR LITHOLOGY: Terry clay

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: ROF	Date: 28/10 11/26/11
			Avg.	Max.						
-- 0 --		5Y 5/1	clay	M sand foram	o pxt?	3				
-- 10 --			↓ all	↓ all	pxt?					
-- 20 --										
-- 30 --					pxt?					
-- 40 --					pxt?					
-- 50 --										
-- 60 --					pxt?					
-- 70 --								75 cm: SS NANNOFOSSIL Ooze WITH CLAY		
-- 80 --										
-- 90 --	UNDISTURBED									
-- 100 --		5Y 6/1				3 4?		95 bioturbated contact 95-bottom of core lighter gray clay, bioturbated. Some zoophycus-		
-- 110 --					))))))					
-- 120 --					)))))) )))))) )))))) ))))))					
-- 130 --										
-- 140 --					pxt?					
-- 150 --										

MAJOR LITHOLOGY: Tenm clay

MINOR LITHOLOGY:

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Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					RDF	1/26/11
	5Y 5/1	clay	in sand forams				top - 13 lighter clay w/ some <sup>color</sup> banding		
	5Y 6/1	↓ all	↓ all		4		13 gradual/bioturbated contact		
	5Y 6/1	↓ all	↓ all		3		13-76 clay @ grades. from lighter to darker through the unit. bioturbated throughout but burrows visible due to color change		
				32 pyrol					
				39-41 big pyrot					
	5Y 5/1			57/84 pyrot broken & changed					
				70 pyrot red					
						SS	75 cm: NANNOFOSSIL Ooze WITH CLAY		
							biot. contact		
							76 7.6-98 darker clay unit with occ'l lighter burrow fills. biot lotta contact		
UN DISTURBED	5Y 5/1				3				
							98 98-bottom (continued) lighter clay unit, burrows more visible at the top. bottom contact in next section		
	5Y 6/1				3				
	5Y 6/1				3				
VOID									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

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Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: RDF	Date: 11/26/11
		Avg.	Max.						
0	5Y 6/1	clay	m sand forams		3		lighter top-21 cm interval with some color variation due to bioturbation, Sharp bottom contact		
10		↓ all	↓ all						
20	5Y 5/1			sharp @ 21	3		21 sharp contact more uniform mud, Sharp top, biot bottom 26 biot. contact		
30	5Y 6/1						lighter gray clay with bioturbation. Some burrows. continues through C		
40					4		SS 32cm 32 cm: NANNOFOSSIL Ooze WITH CLAY		
50									
60	5Y 6/1				4		bottom of section		
70									
80									
90									
100									
110									
120									
130									
140									
150									



MAJOR LITHOLOGY:

MINOR LITHOLOGY:

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	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: RDF	Date: 11/24/11
			Avg.	Max.						
-- 0 --	slight VOID	5Y6/1	Clay	M Sand forams	2 pyrity burrows	3	top-bottom (0-30) lighter gray clay, bioturbated ↓ - 30			
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY: