

Expedition 339: Mediterranean Outflow

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: RDF	Date: 11/27/11
		Avg.	Max.						
--0--	5/1944	clay	m Sand forams		3		Note: Core more greenish than that above.		
--10--	SGY 5/1	all	all				0-149 Greenish gray clay with color variation due to bioturbation, OCC pteropods, sand-filled burrows, Pyritized worm burrows more common gradual/bioturbated bottom contact		
--20--	UNDISTURBED								
--30--									
--40--									
--50--				PB					
--60--				PB	3				
--70--	SGY 5/1								
--80--				PB					
--90--				Pteropod					
--100--				PB					
--110--				PB	3				
--120--									
--130--									
--140--									
--150--	SGY 4/1				3		149 - end (to next section) dk greenish gray clay, color variations from burrows.		

SG 75 - Muddy Nanno ooze

end 152.5
MAJOR LITHOLOGY:

MINOR LITHOLOGY:

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			Avg.	Max.					RDF	11/27/11
--0--		5G4 dk 4/1 grn gry	Clay		PB			(Continues) top-6 dk grn gry clay w/ some color variation due to bioturbation. 6 bioturbated bottom contact.		
--10--					PB			6-96 greenish gray clay with color variations due to bioturbation. bioturbated & very gradual bottom contact.		
--20--										
--30--		5G5 grn gry								
--40--										
--50--					PB					
--60--										
--70--										
--80--										
--90--	Undisturbed	5G5 5/1								
--100--		5G4 4/1			101.5 sand-sized mineral grains PB			96 dk greenish gray clay layer with some bioturbation. Contacts gradual/bioturbated		
--110--		5G5 5/1						105 greenish gray clay with color variations due to bioturbation. bottom contact in next section.		
--120--					117 sand-filled burr					
--130--										
--140--					118 sand-filled burr					
--150--										

95
SS - Nanno ooze w/ Mud

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MINOR LITHOLOGY:

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		Avg.	Max.					RDF	1/27/11
-- 0 --		Clay	m Sand	○ = sand-filled burrow	3		continues from above		
-- 10 --	5G4 5/1	(? max silt the above?)	(forams - rare)				greenish gray clay with color variations due to bioturbation.		
-- 20 --		↓	↓				Numerous burrows filled w/ gtz & other minerals (+ few forams)		
-- 30 --		all	all	○			unit continues to next section		
-- 40 --				PB	3				
-- 50 --				PB					
-- 60 --				PB					
-- 70 --	5G4 5/1			long scan PB					
-- 80 --				○					
-- 90 --				PB	3				
-- 100 --				PB					
-- 110 --				○					
-- 120 --				○					
-- 130 --				PB					
-- 140 --	5G4 5/1			PB (Lagen)	3				
-- 150 --				PB					

UNDISTURBED, MINOR GAS CRACKING (also, v. slight doming)

45 SS - Nanno ooze w/ clay

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

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Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: RDP	Date: 11/27/11
		Avg.	Max.						
0							bottom of above unit, biot contact		
3-14	10GY 4/1 dk gm gry	Clay (? Silt more comm?)	m sand (forams & burrow fills)				3-14 dk gm gm clay w/color variations due to bioturbation. some burrows filled w/sand grains, purplish layer near bottom (chem contact)		
14							14		
14-56	5GY 5/1	all	all				14-56 greenish gray clay, color variations due to bioturbation. some several Zoophycus burrows, gradational/ biot. bottom contact.		
56							56		
56-64	10GY 4/1						56-64 dk gm gry clay w/ color variations due to bioturbation, some sand-filled burrows. ? purplish near bottom		
64							64		
64							biot contact.		
64-75	5GY 5/1						64-75 gm gry clay w/color variations due to bioturbation. gradational/ bioturbated bottom contact.		
75							75SS Nanno Cores w/clay		
75-107							75-107		
107							107		
107	10Y 4/1						107 dk gm gry clay w/color variations due to bioturbation. A few silt-filled burrows. Continues to next sheet.		
153	5GY 4/1						153		

UNDISTURBED (some gas cracking)

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	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: RDF	Date: 11/27/11
			Avg.	Max.						
--0--			Clay	m sand (foss + biom fills)				top-141 continues: clay dk grn gry/w/ color variations due to bioturbation. gradual/bioturbated bottom contact.		
--10--		5644/1				4				
--20--										
--30--					o					
--40--					o					
--50--										
--60--						4				
--70--							175 SS	Nonno Ooze w/ Mud		
--80--										
--90--										
--100--										
--110--										
--120--					o					
--130--										
--140--						4		(to next section)		
--150--		1044/1			o			141 dk grn gray clay with color variations due to bioturbation. This is a bit lighter than above unit, but a very gradual upper contact.		

Undisturbed (minor gas cracks)

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

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Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
								nana f	11/27/11
--0--							0-37. Continued gray clay stippled		
--10--							moderate bioturbated. with some color banding		
--20--	10Y 4/1				4				
--30--									
--40--							37-53. dark gray clay moderate bioturbation scattered pyrite grains		
--50--	5GY 4/1			bioturbation contact.	4				
--60--							53-125 gray clay moderate bioturbation scattered pyrite grains		
--70--	10Y 4/1			bioturbation contact.					
--80--					4		Continued to CC. (w/ clay)		
--90--									
--100--									
--110--									
--120--									
--125--									
--130--									
--140--									
--150--									

Slightly disturbed by gas expansion.

75 SS

Nanno ooze

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

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1385A PAL 11/27/11



Depth	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
0--	Slightly disturbed	10Y 4/1	clay	med foram.		3		0-20 continues from above Slightly bioturbated- gray clay Scattered pyrite grains?	vancouver	11/27/11
10--										
20--							PAL			
30--										
40--										
50--										
60--										
70--										
80--										
90--										
100--										
110--										
120--										
130--										
140--										
150--										

MAJOR LITHOLOGY:

MINOR LITHOLOGY: