

Expedition 339: Mediterranean Outflow

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.					ED	28/11/11
-- 0 --		10Y 6/1								
-- 10 --					bioturb. contact					
-- 20 --	STRETCHED									
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --		10Y 5/1 greenish gray	CLAY	MEDIUM SAND	massive	3				
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

LITHOLOGY

10Y 5/1 greenish gray
Bioturbation 3 (slightly)

Burrows?
Chondria

Sulfur specks

50: pyrite

continue to next section

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

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		Avg.	Max.					ED	28/11/11
-- 0 --							0-38 cm: same lithology than previous section		
-- 10 --	10Y 5/1	CLAY	MEDIUM SAND	massive	3				
-- 20 --									
-- 30 --							38: pyrite		
-- 38 --	38			gradational contact					
-- 40 --							38 - end of section: new interval		
-- 50 --							10Y 4/1 dark greenish gray Bioturbation 3 burrows? sulfur specks.		
-- 60 --							64-66 cm: pyrite		
-- 70 --									
-- 80 --	10Y 4/1	CLAY	MEDIUM SAND	massive	3		85 cm: pyrite 88 cm: wood fragment, rounded shape, 1 cm-sized		
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --							120-124 cm: small lenses infilled with pyritised forams		
-- 130 --									
-- 140 --							139 cm: pyrite		
-- 150 --							continue to next section		

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		Avg.	Max.					ED	28/11/11
-- 0 --							0-136cm: same lithology as previous section		
-- 10 --							10cm: 10Y 4/1 dark greenish gray pyrite bioturbation 3 (slightly) small burrows		
-- 20 --							20-21cm: pyrite sulfur specks		
-- 30 --									
-- 40 --							40cm: pyrite		
-- 50 --	10Y 4/1	CLAY	MEDIUM SAND	massive	3				
-- 60 --									
-- 70 --									
-- 80 --							83cm: pyrite		
-- 90 --							93-94cm: pyrite		
-- 100 --									
-- 110 --									
-- 120 --							123cm: pyrite		
-- 130 --									
-- 140 --							136cm: end of section; new interval 10Y 6/1 greenish gray		
-- 150 --							continue to next section		

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			Avg.	Max.						
--0--								0-75cm: same lithology as previous section		
								-4cm: pyrite		
								-7cm: 10Y 6/1 greenish gray		
--10--								bioturbation 3 (slightly)		
								small burrows?		
--20--								sulfur specks		
		10Y 6/1	CLAY	MEDIUM SAND	massive	3		-28-29cm: pyritised burrow		
--30--										
								-34cm: pyrite		
--40--										
--50--										
--60--										
--70--										
		75			bioturb. contact			75 - end of section: new interval (more reddish)		
--80--								10Y 5/1 greenish gray		
								bioturbation 3		
--90--								sulfur specks		
--100--										
		10Y 5/1	CLAY	MEDIUM SAND	massive	3				
--110--										
--120--										
--130--								-135cm: pyrite		
--140--										
--150--								continue to next section		

MAJOR LITHOLOGY:

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Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
								nana-f	11/28/11
-- 0 --			clay m sd (forams)				D-153 continues from 4A major lithology; Greenish gray clay (10Y 5/1)		
-- 10 --							slightly bioturbated.		
-- 20 --					3		Scattered pyrite grains through the section		
-- 30 --							16-37. pyrite pipe (d = 3-5 mm)		
-- 40 --									
-- 50 --		10Y 5/1							
-- 60 --									
-- 70 --	undisturbed				3		69-72. slightly disturbed. Sampling or cutting plastic		
-- 80 --							minor lithology: Some color banding, such as greenish gray (5GY 5/1) and greenish gray (10Y 6/1).		
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --					3				
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

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Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: Yasm	Date: 28/Nov/2011
		Avg.	Max.						
-- 0 --	10Y5/1	clay	Medium sand.	Massive	3		Major lithology Greenish gray Thick bedded.		
-- 10 --	10Y5/1	Clay	Medi- sand	Massive	3		Minor lithology Greenish gray Burrow pipe filled by pyrite.		
-- 20 --	10Y5/1	Clay	Medi- sand	Massive			24 Major		
-- 30 --							Slightly banded.		
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --	10Y7/1	clay	Fine sand.	Bioturbated contact	3		63. Major lithology greenish gray sulfur specks are scattered		
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

Zoophycos

96-100cm 23% CaCO₃

151

IW

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

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	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --		10Y6/1	Clay	Medium sand	Massive	3		Major Greenish gray dark patch mottled sulfur specks are scattered	gaen	28/11/2011
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 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: YASU	Date: 28/Nov/2011
		Avg.	Max.						
-- 0 --	10Y 7/1	Clay	Fine sand.	Massive.			Major lithology Medium bedded Light greenish gray sulfur specks are scattered.		
-- 10 --					3				
-- 20 --				Bioturbated contact					
-- 23 --	5GY 5/1	Clay	Fine sand.	Massive.	3		Major lithology Greenish gray sulfur specks. Conchrites		
-- 30 --									
-- 35 --									
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY: