

Expedition 339: Mediterranean Outflow

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
								CVZ	30/11/11
--0--	5y 4/1	sandy mud		mainly	BJ=5		shell fragments overlap ③		
--10--							contact: inclined		
17	5y 4/1	silty mud		massive	BJ=2		shell fragments throughout the section ②		Minor litho
--20--									
--30--									
--40--									
--50--									
--60--									
--70--									
--80--									
--90--									
--100--									
--110--									
--120--									
--130--									
132	5y 4/1	sandy mud		mainly	BJ=3		contact: irregular shell fragments overlap ③		
--140--									
--150--									



MAJOR LITHOLOGY:

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			Avg.	Max.						
--0--		5y 4/1	mud		massive	BJ=2		Thin litho ①		
--10--										
--20--										
--30--										
--40--	undis. turbid									
45										
--50--										
51										
--60--										
68										
--70--										
71	undis.	5y 4/1	sandy mud		massive	BJ=3		Contact: irregular shell fragments overlap ③		
79										
--80--										
82			silty mud		massive	BJ=2		contact: irregular ②		
88										
--90--										
--100--	undis.									
--110--										
--120--										
--130--										
--140--										
143	undis.		mud		massive	BJ=2		contact: gradual ①		
--150--										

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			Avg.	Max.						
-- 0 --		5y 4/2	mud		massive	3J=2		(1) Shells fragments throughout the section		
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
66							-66 Shell fragment			
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
147							contact: irregular			
-- 150 --			Sandy mud				(3)			

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		Avg.	Max.					ED	01/12/11
--0--		clay	med. sand		2		① NANNO NUD layers with more sand (burrows?)		
--10--	SY 4/2				↓		14 cm 30-43 cm 51 cm 67 cm		
--20--									
--30--		clay	medium sand	bioturb. contact			28		
--40--	SY 4/2								
--50--									
--60--									
--70--									
--80--									
--90--									
--100--									
--110--				bioturb. contact wotted			107		
--120--	SY 4/2	very fine sand	medium sand						
--130--				wotted bioturb. contact					
--140--	SY 4/2	clay	med. sand				134		
--150--		clay	medium sand				146		

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		Avg.	Max.					ED	01/12/11
-- 0 --		clay	medium sand		2 ↓		② CALC. SILTY MUD		
-- 10 --	SY 4/1								
-- 20 --									
-- 30 --									
-- 35 --				bioturb. contact			③ SILTY SAND with biogenic calc.		
-- 40 --							bioturbated sand bed - shell fragment - top mottled		
-- 50 --	SY 4/1	very fine sand	medium sand			SS	55 cm Calcareous silty mud sand with biogenic carbonate		
-- 60 --									
-- 68 --				bioturb. contact			② CALC. SILTY MUD		
-- 70 --	SY	clay	medium sand				layers with more sand:		
-- 80 --	4/1						burrows   71-75 cm 83 cm 96-98 cm 121-129 cm		
-- 82 --							132-142 cm 145-148 cm		
-- 90 --	SY 4/1						① SAND MUD		
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

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Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: ED	Date: 01/12/11
		Avg.	Max.						
-- 0 --		clay	m. sand	massive	2 ←		① NANNO MUD		
-- 10 --	S4 4/4						18 shell fragment		
-- 20 --									
-- 30 --							34 cm shell fragment		
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --							105 cm small patches with more sand (burrows?)		
-- 110 --									
-- 120 --									
-- 130 --							136-139 cm a large patch with more sand and shell fragments		
-- 140 --									
-- 150 --									

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01/12/11

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
-- 0 --	5Y 4/1	clay	m. sand	in situ	2		① NANO NUD	ED	01/12/11
-- 10 --									
-- 20 --									
-- 30 --							26 cm small patch more sand (burrows?)		
-- 40 --							43 cm small patch with more sand (burrows?)		
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

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Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					ED	01/12/11
-- 0 --	Sy 412				2		① NANNO NUD		
-- 10 --									
-- 20 --									
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --							<p><u>CORE SUMMARY</u></p> <p>NANNOFOSSIL NUD, CALCAREOUS SILTY NUD and SILTY SAND WITH BIOGENIC CARBONATE.</p> <p>Dark gray.</p> <p>NI background alternating with mottled CSN and SSWC beds</p> <p>gradational, irregular and bioturbated contacts.</p> <p>Slight to sparse bioturbation.</p> <p>5 SILTY SANDS with biogenic carbonate beds.</p> <p>Shell fragments abundant.</p>		
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

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