

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					ED	01/12/11
-- 0 --	SY 4/2	clay	medium sand		2		① mud		
-- 10 --									
-- 20 --									
-- 30 --							32 shell fragm		
-- 40 --									
-- 50 --						SS	52 cm Nanofossil Mud		
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --	SY 4/2	clay	medium sand (fine)	gradational contact			92 cm		② silty mud
-- 100 --									
-- 110 --						SS	110 cm Calcareous SILTY MUD		
-- 120 --									
-- 130 --	SY 4/2	very fine sand	medium sand (fine)	bioturb. contact			125 cm		③ mottled bed with more sand and shell fragment
-- 140 --									
-- 150 --									continue to next section.

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					ED	01/12/11
--0--	SY 4/1	very fine sand	medium sand (fine)		2 ↓		continue ③ sandy bed (mottled) - shell fragment		
--10--			fine sand						
--20--									
--30--									
--40--									
--50--	SY 4/1	clay	medium sand (fine)	bioturb. contact			- 46 cm ② silty mud mottled - 59 shell fragment		
--60--									
--70--							- 73 shell fragment		
--80--							- 78 shell fragment		
--90--							- 82-86 cm: burrow filled with more sand (black)		
--100--	SY 4/1	clay	medium sand	gradational contact			- 98 cm ① mud		
--110--							- 110 cm: greenish layer, discontinuous, coarser (fine sand)		
--120--									
--130--									
--140--									
--150--							- 147 shell fragment		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: ED	Date: 01/12/11
		Avg.	Max.						
--0--	S4 4/1	clay	med. sand	massive	2 ↓		① mud section		all along the
--10--									
--20--									
--30--									
--40--									
--50--									
--60--									
--70--									
--80--									
--90--									
--100--									
--110--									
--120--									
--130--									
--140--									
--150--									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

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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 --		5Y 4/2	clay	silt		2 ↓		① mud all along the section fine sand-filled burrows		
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --								48 shell fragment		
-- 60 --								58 shell fragment		
-- 70 --								75 shell fragment		
-- 80 --										
-- 90 --								92 shell fragment		
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: ED	Date: 01/12/11
		Avg.	Max.						
-- 0 --	SY 4/1	clay	med. sand	massive	no ↓		① NUD.		
-- 10 --									
-- 20 --									
-- 30 --									
-- 40 --									
-- 45 --		clay	medium sand (braun) fine sand	bioturb. contact			② SILTY NUD mottled shell frags		
-- 50 --									
-- 55 --									
-- 60 --		very fine sand	medium sand (braun) fine sand	bioturb. contact			③ MUDDY SAND mottled shell frags		
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 110 --		clay	medium sand (braun) fine sand	sharp contact			drilling disturbance? ② SILTY NUD mottled shell frags		
-- 116 --							110-151 cm = vertical giant burrow filled with fine sand particles		
-- 120 --									
-- 130 --							131 shell frags		
-- 135 --		clay	med. sand	gradational contact			135 NUD		
-- 140 --							138 shell frags		
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.					ED	01/12/11
-- 0 --		SY 4/2	clay	med. sand.	massive	2 ←		① NOD		
-- 10 --								8-15 cm 18-20 cm 20-23 cm] large burrows filled with fine sand		
-- 20 --								small burrows (rounded)		
-- 30 --								-31 shell fragment		
-- 40 --								-38 shell fragment		
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --								-79 pyrite grain		
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: ED	Date: 01/12/11
			Avg.	Max.						
-- 0 --		Sy 4/2	clay	med. sand		2 ↓		① nvd		
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

33-35cm: py. burrow

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.					ED	01/12/11
-- 0 --		sy 4/1	clay	med. sand.		2 ←		qud		
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

CORE SUMMARY
 NANNOFOSSIL MUD, CALCAREOUS SILTY MUD,
 CALCAREOUS SILTY SAND.
 Background: NANNOFOSSIL MUD (dark gray)
 alternating with dark gray CALCAREOUS
 SILTY MUD and CALCAREOUS SILTY SAND (mottled)
 CSS is always preceded and followed
 by CSF.
 2 sandy beds (Sections 1,2,5)
 shell fragments. Burrows more
 recognisable.
 sand-filled burrows.

MAJOR LITHOLOGY:

MINOR LITHOLOGY: