

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.					NASM	11/DEC/2011
-- 0 --										
		10YR 4/2	clay							
-- 10 --		↓				3		① NANNO GUD		
-- 20 --										
-- 30 --					grad. contact					
			clay							
-- 40 --								② SILTY GUD mottled		
-- 50 --								fining-upward		
-- 60 --					biot. contact					
	soupy		clay					③ SILTY SAND mottled shell frags		
-- 70 --								bigradational		
-- 80 --					biot. contact					
								② SILTY GUD		
-- 90 --										
-- 100 --					irregular					
								③ SILTY SAND		
-- 110 --					irregular					
								① NANNO GUD		
					grad.					
					grad. contact			③ SILTY SAND		
-- 120 --					biot. contact					
								① NANNO GUD		
								③ SILTY SAND mottled		
-- 130 --					biot. contact					
								② SILTY GUD		
-- 140 --								136 bivalve shell (entire)		
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					MDSU	11/DEC/2011
-- 0 --	10YR 4/2	clay	med sand		3 ↓		② SILTY MUD		
							① SANDY MUD		
-- 10 --									
-- 20 --							14 many sand-filled burrows		
-- 30 --							23		
-- 40 --									
-- 50 --							43 sand-filled burrow + scaphopod		
								339 U1387B 143A	
								SPCN 3521994	
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --		clay	med. sand				138		
								② SILTY MUD	
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: masu	Date: 11/05/2011
		Avg.	Max.						
-- 0 --	10YR4/1	Clay	M.S.	massive	3		① mud		
-- 10 --				Grad. c					
-- 20 --	10YR4/1	Clay	M.S.	massive	3		② SILTY MUD		
-- 30 --				Grad. c					
-- 40 --	10YR4/1	Clay	M.S.		3		③ mud		
-- 50 --				massive					
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --				Grad. c					
-- 120 --	10YR.4/1	clay	M.S.	massive	3		④ SILTY MUD		
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
-- 0 --	10YR4/1	clay	M.S.	massive	3		5 plant fragment L = 1cm ② SILTY MUD	MACM	11/DEC/2011
-- 10 --									
-- 20 --									
-- 30 --				Bio.C.					
-- 32 --	10YR4/1	clay	M.S.	massive	3		① MUD		
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: MFM	Date: 11/15/2011
		Avg.	Max.						
-- 0 --	10YR5/2	clay	M. S.	massive	3		① MUD		
-- 10 --							9-10. shell fragments		
-- 20 --									
-- 30 --									
-- 40 --	10YR5/2	clay	M. S.	Grad. C.	3		② SALTY MUD		
-- 50 --				massive					
-- 60 --									
-- 70 --				Grad. C.			68-69. shell fragment. ϕ 2cm		
-- 80 --	10YR5/2	clay	M. S.		3		① MUD		
-- 90 --				massive					
-- 100 --							96		
-- 110 --							↕		
-- 120 --							abundant forams.		
-- 130 --							100		
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

HCC

1529

12/14/2010 10:00 AM



	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --		10YR 4/1	Clay	M.S.	massive	3-		⊙ MUD	MJm	11/29/2011
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: EO	Date: 11/12/11
		Avg.	Max.						
-- 0 --		clay	m. sand	normal grading sharp contact	3 ↓		(2) SILTY MUD		
-- 10 --		clay	m. sand			sharp contact		10	(2) SILTY MUD
				sharp contact			16	shell frags	
-- 20 --	↑ 104R 412								
-- 30 --	↓							(1) NANNO MUD	
-- 40 --									
-- 50 --		clay	med. sand	biot. contact			46	(2) SILTY MUD	
				biot. contact			53	(1) NANNO MUD	
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --		clay	m. sand	grad. contact			87	(2) SILTY MUD	
-- 100 --							96	scaphopod. shell frags	
				biot. contact			104	(3) SILTY SAND mottled	
-- 110 --		silt	m. sand	biot. contact			111	shell frags	
								(2) SILTY MUD	
-- 120 --		clay	m. sand				123	sand-filled burrow	
							126		
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					ED	11/12/11
-- 0 --	10YR 4/4	clay	m. sand		3 ↓				
-- 10 --							② SILTY MUD shell frags		
-- 20 --									
-- 30 --									
-- 40 --				sharp contact					
		clay	m. sand				② SILTY MUD		
-- 50 --				biot. contact					
		silt	m. sand	mottled			③ SANDY SILT mottled shell frags		
-- 60 --				biot. contact					
		clay	m. sand				② SILTY MUD		
-- 70 --				grad. contact					
-- 80 --									
		clay	m. sand				① NANNO MUD		
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --				grad. contact					
		clay	med. sand				② SILTY MUD		
-- 130 --				biot. contact					
-- 140 --		silt	m. sand	mottled			③ SILTY SAND mottled shell frags		
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					ED	11/12/11
	10YR 4/1	clay	m. sand	mottled	3		(2) SILTY MUD		
				biot. contact	↓				
		silt	med. sand.	mottled			(3) SANDY SILT mottled shell frags		
				biot. contact					
							(1) NANNO MUD		
				grad. contact					
		clay	m. sand				(2) SILTY MUD		
				biot.					
		silt	m. sand	biot. contact			90) discontinuous sandy bed		
				biot. contact			96) mottled? (3)		
		clay	m. sand				(2) SILTY MUD		
							109 shell frags		
							119-120 discontinuous sandy layer		
				biot. contact					
		silt	med. sand.	mottled			(3) SILTY SAND mottled		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					MGM	11/DEC/21
--0--	10YR4/1	clay	M.S.	Bio.C.	3		② SILTY MUD		
		clay	M.S.				① MUD		
--10--									
--20--				massive					
--30--									
--40--									
--50--		clay	M.S.	Grad.C. normal grad. Grad.C.			② SILTY MUD		
		very fine sand	M.S.	massive			③ SILTY SAND		
--60--		clay	M.S.	Sharp.C			① MUD		
--70--				massive					
--80--									
--90--		clay	M.S.	Bio.C. normal grad. 86 ↑ 90 leg(?)			② SILTY MUD		
				Bio.C.					
--100--		clay	M.S.				① MUD		
							nestled burrows L=3-5cm		
--110--		clay	M.S.	Bio.C.			② SILTY MUD		
				Bio.C.					
--120--		v.f.s.	M.S.				③ SILTY SAND		
				Grad.C.					
--130--		clay	M.S.				② SILTY MUD		
				massive					
--140--									
--150--		U.F.S.	M.S.	Grad.C. massive			③ SILTY SAND.		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					MAM	11/DEC/2011
-- 0 --		clay	med sand		3				
	104R 4/2				↓		② SILTY MUD		
-- 10 --									
-- 20 --									
-- 30 --		silt	med. sand	biot. sharp. contact			28 + shell frags ③ SILTY SAND		
-- 40 --	undisturb.	clay	med. sand				② SANDY SILT heavily mottled (sand in burrows) shell frags		
-- 50 --									
-- 60 --		clay	med. sand	grad. contact			58 ② SILTY MUD		
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Depth	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: ED	Date: 11/12/11
			Avg.	Max.						
0	soapy									
10		10YR 4/2	clay	m.s.		3 ↓		① NANNO MUD		
22					grad. contact					
30			clay	m.s.	mottled			② SILTY MUD mottled		
39					grad. contact					
43								shell fragment		
50			clay	m.s.				① NANNO MUD		
75					grad. contact					
79			clay	m.s.	biot.			② SILTY MUD		
85			silt	med. sand	biot. contact			② SANDY SILT mottled		
90										
100			clay	m.s.				② SILTY MUD		
110					grad. contact					
120								① NANNO MUD		
130			clay	m.s.						
135								silt-filled burrows		
140										
150										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: ED	Date: 11/12/11
		Avg.	Max.						
-- 0 --									
	10YR 4/1 ↓	clay	m.s.		3 ↓		① NANMO MUD -16 silt-filled discontinuous layer		
-- 10 --									
-- 20 --									
-- 30 --							NB 0-125cm: more reddish color although color index is the same sharp color contact at 125cm		
-- 40 --									
-- 50 --									
-- 60 --				grad. contact			-57 shell frags -60		
-- 70 --							-67 shell frag - filled burrow ② SILTY MUD		
-- 80 --		clay	m.s.						
-- 90 --							-92 shell frag		
-- 100 --									
-- 110 --									
-- 120 --				biot. contact			125 color contact ↑ more reddish ↓ more grayish		
-- 130 --	10YR 4/1	silt	m.s.	mottled			③ SILTY SAND mottled shell frags fining upward		
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					ED	11/12/11
		silt	m.s.				③ SILTY SAND		
		clay	m.s.	sharp contact	3	4			
				bioturb. contact	↓	7	② SILTY MUD		
	10YR 4/1 ↓	silt	m.s.				③ SANDY SILT shell frags		
		clay	m.s.	inclined contact		26			
				biot. contact		31	② SILTY MUD mottled		
						SS 37	sand		
	soupy	silt	m.s.	mottled			③ SILTY SAND mottled clean sand → soupy (water)		
				inclined contact		50			
		clay	m.s.				② SILTY MUD		
				grad. contact		81			
		silt	m.s.				② SANDY SILT heavily mottled (sand-filled burrows)		
				biot. contact		94			
		silt	coarse sand	mottled		SS 103	cm sand		
							clean sand ③ SILTY SAND mottled		
						109	↑ shell fragment concentration		
				biot. contact		116			
		clay	m.s.				② SILTY MUD mottled		
				grad. contact		135			
		clay	m.s.				② MANNED MUD		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: Mace	Date: 10/DEC/2011
		Avg.	Max.						
-- 0 --	10Y4/1	Clay	M.S.	massive	3		① mud		
-- 10 --	10Y4/1	Very Fine sand	M.S.	massive	3		② SILTY MUD - Small shell fragment		
-- 20 --	10YR4/1	Clay	M.S.	Pro. C	3		③ mud		
-- 30 --				massive					
-- 40 --									
-- 50 --									
-- 60 --		Clay	M.S.						
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
-- 0 --							① mud	masw	11/DEC/2011
-- 10 --									
-- 20 --									
-- 30 --									
-- 40 --	10YR4/1	clay	M. S.	massive	3				
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --		Clay	M. S.	normal grad. ¹⁰⁵ grad. ₁₁₅	3		105 ② SILTY MUD		
-- 120 --		very fine sand.	M. S.	grad. C. massive			115 ③ SILTY SAND		CR
-- 130 --							shell fragments. mottled		
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: MRSW	Date: 11 DEC 2011
		Avg.	Max.						
-- 0 --	10Y4/1						③ SILTY SAND		
-- 10 --		very fine sand	medium sand	massive	3		shell fragments.		
-- 20 --				Bio. C.					
-- 23 --	10Y4/1				3		② SILTY MUD		
-- 30 --		Clay	M.S.				sand-filled burrows		milled
-- 39 --				massive					
-- 40 --									
-- 50 --									
-- 60 --									
-- 65 --				Grad C					
-- 65 --	10Y4/1								
-- 70 --		Clay	M.S.	massive			① MUD		
-- 80 --					3				
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

U1387A
44-3
Turbidite

undisturbed zone

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

3H7A

37

2011-12-14 11:50:00

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --									MGM	11/DEC/2011
-- 10 --								S.A.A		
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 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: 11/12/11
		Avg.	Max.						
--0--	10YR 4/2	clay	m.s.		3		② SILTY MUD		
--10--	↓	silt	m.s.	biot. contact mottled	↓		③ SANDY SILT mottled shell frags		onlowite
--20--									
--30--		clay	m.s.	biot. contact			② SILTY MUD		
--40--				grad. contact			inclined sandy layer		
--50--		clay	m.s.				① NANNO MUD		
--60--									
--70--							pyritized burrow		
--80--									
--90--							shell frags		
--100--									
--110--									
--120--									
--130--									
--140--									
--150--									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					ED	11/12/11
-- 0 --	10YR 4/1				3				
-- 10 --	↓	clay	m.s.		↓				
-- 20 --							① NANNO MUD		
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --				grad. contact			69		
		clay	m.s.						
-- 80 --				bioturb. contact			78		
									78-80: many black specks (monosulfur)
-- 90 --									
-- 100 --				normal grading					
		silt	m.s.						
-- 110 --									
									③ SILTY SAND with normal grading (85-112 cm → a lot of water)
-- 120 --									
									-117 large shell fragments
-- 130 --				erosional contact					
-- 140 --		clay	m.s.						
									① NANNO MUD many sand-filled burrows
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

U1387A
4H-5
Turbidite
(~31m)
CSFA

Turbidite

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					ED	11/12/11
-- 0 --	10YR 4/1				3		0-7 cm: cm-scale vertical burrows filled with silt		
-- 10 --	↓	clay	m.s.		↓		① NANNO TUD		
-- 20 --							20-22: sand-filled burrow		
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					ED	11/12/11
-- 0 --	104R 4/2				3 ↓				
-- 10 --									
-- 20 --									
-- 30 --		clay	med. sand.				① NANNO TUD		
-- 40 --									
-- 50 --							-52-53: pyrite grains (x2)		
-- 60 --							-63: shell frags		
-- 70 --									
-- 80 --									
-- 90 --									
-- 95 --				grad. contact			95		
-- 100 --	104R 4/2	clay	m.s.						
-- 107 --				biot. contact			107		
-- 110 --	104R 4/2	silt	m.s.				greenish sand: 104R 104 4/2		
-- 120 --				normal grady?					
-- 125 --							③ SILTY SAND normal grady? → bioturbations shell frags		turbidite?
-- 130 --									
-- 135 --				sharp contact			135		
-- 140 --	104R 4/2	clay	m.s.						
-- 145 --							① NANNO TUD with many sand-filled and large burrows.		
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --		10YR4/1	clay	ms.				S.S.D.	yan	
-- 10 --										
-- 20 --					massive	3				
-- 30 --	undisturbed									
-- 40 --					Grad					
-- 40 --		10YR4/1	clay	ms.	massive	3		38 ① mud		
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U1387B

4H CC

546



	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --								S.A.D.		
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
-- 0 --								EO	11/12/11
-- 10 --	10YR 4/1	clay	m.s.		3 ↓		② SILTY mud with shell frags		
-- 20 --									
-- 30 --				biot. contact			29		
-- 40 --							40 pyrite grain		
-- 50 --							44 pyritized burrow		
-- 60 --		clay	m.s.				① NANNO GUD		
-- 70 --									
-- 80 --									
-- 90 --							93 shell frags		
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U1387 B

540 A

F8.

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					ED	11/12/11
-- 0 --									
	10YR 4/1 ↓	clay	med. sand		3 ↓				
-- 10 --							① NANNO TUB		
-- 20 --									
-- 30 --									
-- 40 --							-41 entire gastropod (white)		
-- 50 --									
-- 60 --							-60 pyritized burrow		
-- 70 --									
-- 80 --							-78 pyrite grain		
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --							-139 shell fragment		
-- 150 --		clay	m.s.	biot. contact			-146		
							② SILTY TUB with shell frags		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					ED	11/12/11
--0--	10yR w/s	clay	ms sand.		3		② SILTY mud with shell fragments		
--10--	↓	clay	ms-s.	biot. contact	↓		① NANNO mud		
--20--							24 py. grain		
--30--		clay	ms.	grad. contact			27		
--40--							② SILTY mud more grayish		
							37 py. grain		
							40 py. sand-filled burrow		
							42 py. sand-filled burrow		
--50--				grad. contact			50		
--60--		clay	ms.				① NANNO mud		
--70--									
--80--									
--90--									
--100--							103 py. burrow		
--110--							112 py. burrow		
--120--									
--130--									
--140--									
--150--									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. / struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					ED	11/12/11
-- 0 --	10YR 4/2	clay	m-s.		3 ↓				
-- 10 --							① NANNO NID		
-- 20 --									
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

5H5A

7551

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --		10YR4/1	clay	M.S.				① MUD	MASU	11/DEC/2011
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --	undisturbed									
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

5H64

152

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --		10YR4/2	clay	M.S.	massive	3			MAGU	11/DEC/2011
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 83 --								83		
-- 90 --		change						⊕ mud (slightly silty)		
-- 100 --		10YR4/1								
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

SH7A

553

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --									Masm	11/Dec/2011
-- 10 --		↓								
-- 20 --		10YR4/1						① mud		
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 62 --		10Y4/1	clay	M.S.	massive.	3.		② SILTY mud		
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:


339 SHCC SHCC A
MUS/2011
Percy Anderson



Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
	10Y4/1	clay	M. S.	massive	3		Scattered.	MAM	11/DEC/2011
		clay	A. S.	bio. C massive			① mud		
		clay		massive			② SILTY mud		
	10YR4/1	clay		bio. C massive			① mud (slightly silty)		
-- 0 --									
-- 10 --									
-- 20 --									
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: 	Date: 11/12/11
		Avg.	Max.						
-- 0 --	CLAY 1 10Y 5/1								
-- 10 --		clay	m.s.				② SILTY MUD mottled		
-- 20 --		silt	m.s.	biot. mottled biot. contact			③ SANDY SILT mottled with shell fossils		
-- 30 --									
-- 40 --							① NANNO QUD a little bit more silty		
-- 50 --	CLAY 1 10Y 5/1						evolution all along the section from reddish to grayish and greenish		
-- 60 --									
-- 70 --									
-- 80 --	CLAY 2 10Y 5/1	clay	m.s.	grad. contact normal grading			② SILTY QUD normal grading		
-- 90 --		silt	m.s.	erosional contact			③ SANDY SILT		
-- 100 --		clay	m.s.				② SILTY QUD		
-- 110 --	CLAY 2 5GY 5/1	clay	m.s.	grad. contact			① NANNO QUD		
-- 120 --									
-- 130 --									
-- 140 --							142-150 cm: chondrite-type burrows 145 sand-filled burrow		
-- 150 --	CLAY 1 5GY 5/1								

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					ED	11/12/11
-- 0 --	OLEY 1 SGY	clay	med. sand		3 ↓		greenish ① NANO QUD		
-- 10 --	S/S						few sand-filled burrow		
-- 20 --									
-- 30 --									
-- 40 --							40 py. burrow		
-- 50 --									
-- 60 --									
-- 70 --							66 py. burrow		
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.					ED	11/12/11
-- 0 --										
-- 10 --		GLY1 504 512	clay	med. sand		2 ↓				
-- 20 --								① MANDU 700		
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --		↓						50 transition zone of color change from greenish to reddish color 65.66 sand-filled burrows		
-- 70 --										
-- 80 --		↓						79 84 py. grain		
-- 90 --										
-- 100 --								100 sand-filled burrow		
-- 110 --		GLY1 104 612								
-- 120 --										
-- 130 --										
-- 140 --								142 py. burrow		
-- 150 --								148 shell fossils		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					ED	11/12/11
-- 0 --									
-- 10 --	CLAY 10Y 4/2	clay	med. sand		3 ↓		14 shell fragment		
-- 20 --									
-- 30 --							32 py. grain		
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --	↓ more reddish						96 color change from greenish to reddish 100 py. grains (x2)		
-- 110 --							more reddish color although color under is the same		
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --							148 py. grain		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

6X5A .559

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
-- 0 --	10YR4/1	clay	M.S.	massive	3		① MUD.	MASU	11/DEC/2011
-- 10 --									
-- 20 --									
-- 30 --									
-- 40 --									
-- 50 --	Biscuit (?)								
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --							① 110 Gastropod fragment		
-- 120 --				Grad. c.			② 118		
-- 130 --	change ↓	clay	M.S.	massive	3		② SILTY MUD		
-- 140 --	10Y4/1						① 135 scaphopod fragment		
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: Mam	Date: 11/DEC/20
		Avg.	Max.						
--0--	10Y4/1	Clay	M.S.				② SILTY MUD		
--10--									
--20--									
--30--									
--40--				massive	3		scaphopod fragment,		
--50--									
--60--	Buixite (?)			Grad. C					
--70--		Very Fine Sand	M.S.	massive	3		③ SILTY SAND scaphopod fragment		
--80--	mouse-like	Clay	M.S.	sharp c	3		② SILTY MUD		
--90--	mouse-like			massive					
--100--									
--110--									
--120--	change ↓						(slightly sandy)		
--130--	10Y4/1								
--140--	mouse-like disturbance (?)								
--150--									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

6X 156/

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					MOSM	11/DEC/2011
-- 0 --	10Y4/1						② SILTY SAND		
-- 10 --									
-- 20 --				Grad.C			①		
-- 20 --							mm Ø		
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									



MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. / struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					ED	11/12/11
-- 0 --									
	CLAY 107 4/12	clay	m.s.				① NANNO TUD		
-- 10 --									
-- 20 --									
-- 30 --									
-- 40 --									
-- 50 --							49 py. grain		
-- 60 --							56 py. grain		
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --							98 py. burrow		
-- 110 --									
-- 120 --							123 py. burrow		
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					ED	11/12/11
-- 0 --							4: sand-filled burrow		
-- 10 --	GREY 1								
	10Y	clay	med. sand		3		① NANNO mud		
-- 20 --	4/2				↓				
-- 30 --									
-- 40 --									
-- 50 --				biot. contact				51	
		clay	m. sand	mottled			② SILTY mud mottled		
-- 60 --									
				biot. contact				63	
-- 70 --							slight change of color: more grayish and less greenish toward the base of the section		
-- 80 --	GREY 1								
	10Y								
	5/1	silt	med. sand	mottled			③ SILTY SAND mottled shell fragments		
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --				biot. contact				121	
		clay	m. sand				① NANNO mud with more silty patches (burrows?)		
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.					ED	11/12/11
-- 0 --										
-- 10 --		CLAY	clay	med. sand		3		① NANNO MUD		
		10Y				↓				
-- 20 --		5/2								
-- 30 --										
-- 36 --					biot. contact			② SILTY MUD		
-- 40 --			clay	m. s.	biot. contact.			color change (slightly) to more greenish		
-- 42 --		CLAY								
-- 49 --		10Y						py. grain		
		4/2								
-- 60 --			clay	med. sand				① NANNO MUD		
-- 70 --										
-- 80 --								py. grain		
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 140 --								140-141: sand-filled burrow		
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

7X4A

1565

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.					MASU	11/DEC/2011
-- 0 --		10Y4/1	clay	med. sand		3 ↓		- 2 py. burrow - 6 shell fragments		
-- 10 --								- 10 py. burrow		
-- 20 --										
-- 30 --								⊙ NANNO TUD		
-- 40 --								more reddish section		
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

01387 B

7XCC

1068



Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
-- 0 --	10Y4/1	clay	M.S.	massive			① mud	max	11/DEC/2011
-- 10 --					3				
-- 20 --	Biscuit 10Y4/1	clay	M.S.	Grad. massive			② SILTY mud		
-- 30 --					3				
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					ED	11/12/11
-- 0 --		clay	m.s.				① NANNO mud with mud-filled burrow		
	↑ CLEY 2 104 4/1			biot. contact	3				
-- 10 --		silt	m.s.	mottled			③ SANDY SILT mottled		
-- 20 --	↓			biot. contact					
		clay	m.s.				② SILTY mud sandy layer (discontinuous)		
-- 30 --				biot. contact			sandy layer		
-- 40 --									
-- 50 --									
-- 60 --									
	CLEY 2 107 3/4	clay	m.s.	grad color contact			65 color change darker ② SILTY mud with a little bit 68 color change of sand		
-- 70 --									
		clay	m.s.				② SILTY mud with many 83 shell frags		
-- 80 --									
	CLEY 2 104 4/2								
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
							-134 } many shell frags		
-- 140 --							-143		
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. / struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					ED	11/12/11
-- 0 --									
	CLAY				3				
-- 10 --	10% 4/2	clay	m.s.		↓		② SILTY MUD		
-- 20 --							18 shell fragments		
-- 30 --				grad. contact			29		
							32 scaphopod		
-- 40 --		clay	m.s.						
-- 50 --							① NANNO MUD		
-- 60 --									
-- 70 --				grad. contact			66		
							68		
		clay	m.s.				many shell fragments		
-- 80 --							② SILTY MUD		
							79		
-- 90 --									
				grad. contact			94		
-- 100 --		clay	m.s.						
							① NANNO MUD		
-- 110 --							with shell fragments		
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. / struct. / contact	Bioturb.	Samples	Comments	Logged by: MASU	Date: 11/DEC/2011
		Avg.	Max.						
-- 0 --	CLAY 1 104 4/2	clay	m.s.		3 ↓		① NANNO NUD		
-- 10 --									
-- 20 --									
-- 25 --							25 py. grain		
-- 28 --				biot.			28		
-- 30 --				color contact			32	more greenish ↓ more reddish	② SILTY NUD
-- 32 --	104R 4/1								
-- 40 --									② SILTY NUD
-- 49 --									49 entire gastropod (nice!)
-- 60 --									
-- 65 --									65) pyritized and slightly indurated
-- 69 --									69) sand → very angular pebbles (X2)
-- 70 --				grad. contact					
-- 73 --									
-- 80 --									① NANNO NUD
-- 90 --									
-- 95 --				grad. contact					
-- 100 --									② SILTY NUD
-- 110 --		clay	m.s.						111 shell fragment
-- 120 --									
-- 126 --				grad. contact					126
-- 127 --									127 shell fragment
-- 130 --									
-- 130 --		clay	m.s.						① NANNO NUD
-- 140 --									
-- 146 --									146 py. burrow
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

8X4A

7572

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
	10YR4/1	Clay	M.S.				① Mud	MASU	11/DEC/2011
-- 0 --									
-- 10 --				massive	3				
-- 20 --									
-- 30 --				grad. C			30		
-- 40 --		Clay	M.S.	massive	3		② SILTY MUD		
-- 50 --							51 shell fragments		
-- 60 --									
-- 70 --	Biscuit						75 bivalve fragment		
-- 80 --							85 pyritized burrow L=2cm		
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --		Clay	M.S.	massive	3		① MUD		
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: mam	Date: 11/DEC/2011
		Avg.	Max.						
-- 0 --							⊙ mud S.A.A.		
-- 10 --									
-- 20 --									
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --	Biscuit								
-- 110 --	5G 5/1	Silt	M.S	Bioc massive Bio.C	3		111 112	SILTY SAND	
-- 120 --	10XR 4/1	clay	M.S.	massive	3				
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

8x6A

74

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
	10R4/1							MAM	11/DEC/2011
-- 0 --									
-- 10 --							Small shell fragments All along the section		
-- 20 --									
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --					3				
-- 70 --									
-- 80 --				grad. c					
-- 85 --	10R4/1	clay	m.s.	massive	3		81 ② SILTY MUD		
-- 90 --									
-- 95 --				grad. c					
-- 100 --		clay	m.s.	massive	3		98 ① MUD		
-- 105 --				grad. c					
-- 110 --		clay	m.s.	massive	3		111 ② SILTY MUD		
-- 115 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

8X7A

7575

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
								Masa	11/05/2011
-- 0 --							3Acs		
	10YR 4/1	Clay	M.S				① mud		
-- 10 --							Small shell fragments all along the section		
-- 20 --									
-- 30 --				27 ↑ Grad. c	3				
	10YR 4/1	Clay	M.S				33		
-- 40 --							② SILTY MUD		
-- 50 --				normal gradly	3		pyritized burrows		
-- 60 --				Sharp. C.					
	10YR 4/1	Clay	M.S	massive	3		60		
-- 70 --							① mud		
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U1387B

8x .CC 1-76.



	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --									M. [signature]	11/DEC/2011
-- 10 --								<u>SdA</u>		
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 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: 11/12/11
		Avg.	Max.						
-- 0 --									
-- 10 --									
-- 20 --	10YR 5/1								
-- 30 --	mousse-like								
-- 40 --									
-- 50 --									
-- 60 --		63							
-- 70 --		clay	m.s.		3 ↓		① NANNO GUD		
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --				grad. contact			② SILTY GUD		
-- 140 --				sharp contact			① NANNO GUD		
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U1327B

9XCC

572



	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.					ED	11/12/11
-- 0 --	BISCUIT?	10YR						② SILTY MUD		
		5/2						① NANNO MUD		
-- 10 --								③ SANDY SILT		
								④ NANNO MUD		
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 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: 11/12/11
		Avg.	Max.						
-- 0 --									
-- 10 --	GREY L				3				
	104 411				↓				
-- 20 --	↓								
-- 30 --									
-- 40 --		clay	med. sand				① NAPOD mud		
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --				grad. contact			99		
-- 110 --		clay	m.s.				② SILTY MUD		
-- 120 --				biot. contact			123		
-- 130 --		silt	m.s.	wotted			③ SILTY SAND wotted		
-- 140 --				biot. contact			135		
-- 150 --		clay	m.s.				② SILTY MUD 147 shell fragment		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					ED	11/12/11
-0--		silt	m.s.	sharp contact			② SANDY SILT		
-10--	GLYM 104 4/12				3 ↓		10 Scaphopod		
-20--									
-30--									
-40--		clay	w.s.				② SILTY QUD		
-50--									
-60--									
-62--				grad. contact			62 py. grain		
-66--							66		
-70--									
-76--							76 py. burrow		
-80--		clay	w.s.				① NANNO QUD		
-90--									
-95--				grad. contact			95		
-100--									
-110--		clay	w.s.				② SILTY QUD		
-120--									
-127--				grad. contact			127		
-130--									
-140--		clay	w.s.				① NANNO QUD		
-150--									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					ED	11/12/11
-- 0 --							section slightly more reddish		
-- 10 --									
-- 20 --									
-- 30 --	CLAY 1 104 4/1 ↓	clay	m.s.		3 ↓		① NANNO QUD		
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --				biot. contact					
-- 80 --		clay	m.s.				② SILTY QUD		
-- 90 --				biot. contact					
-- 100 --		silt	m.s.	mottled			② SILTY QUD with more silt and more sand black patches (monosulfur) mottled		
-- 110 --				biot. contact			black patches (monosulfur)		
-- 120 --							② SILTY QUD		
-- 130 --		clay	m.s.						
-- 140 --									
-- 150 --		silt	m.s.	biot. contact mottled			② SILTY QUD with more silt and more sand		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U1387B

10X4A

1502

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					ED	11/12/11
--0--		clay	m.s.				(2) SILTY MUD shell frags		
				biot. contact					
--10--									
	CLAY 1				3		(1) NANNO QUD		
--20--	104	clay	m.s.		↓				
	4/2								
--30--	↓								
--40--				grad. contact					
--50--		clay	m.s.				(2) SILTY QUD		
--60--				grad. contact					
--70--							(1) NANNO QUD		
--80--		clay	m.s.						
--90--									
--100--							99 shell frags 104 shell frags		
				grad. contact					
--110--									
--120--		clay	m.s.				(2) SILTY MUD		
--130--									
--140--									
--150--									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

10x5A

1x3

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: masu	Date: 11/DEC/2013
		Avg.	Max.						
-- 0 --							② SILTY MUD		
-- 10 --	10Y4/1	clay	M. S.	Pro. C →	3		① MUD		
-- 20 --									
-- 30 --									
-- 40 --				massive					
-- 50 --									
-- 60 --	Biscuit								
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --	10Y4/1	clay	M. S.	Grad. c normal grading	3		② SILTY MUD		
-- 140 --				Grad. c					
-- 150 --	10Y4/1	Very fine sand	M. S.	massive	3		③ SILTY SAND		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

10x6A

1-4

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
-- 0 --							Scal.	Masm	11/Dec/2011
-- 10 --				Grad. C.	3 10				
	10Y4/1	clay	M.S.	Inverse grading	3 21		② SILTY MUD		
-- 20 --				massive					
-- 30 --	10Y4/1	clay	M.S.	massive.	3		① MUD		
-- 40 --									
-- 50 --									
-- 60 --	Biscuit								
-- 70 --									
-- 80 --									
-- 90 --							③ scaphopod.		
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

10x7A

1585

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
-- 0 --	10Y4/1	Clay	M. S.	massive	3		○ mud	MAGN	11/DEC/2011
-- 10 --									
-- 20 --							17 pyritized burrow		
-- 30 --									
-- 40 --	Biscuit								
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

10XCC

1500

01/20/2004



	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --		10Y4/1	Clay	M. S.	massive	3		⊙ mud	MASU	11/DEC/201
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					ED	11/12/11
--0--		clay	m.s.				① NANNO QUD		
				biot. contact	3				
--10--	GLYM 104 4/2 ↓	silt	m.s.	mottled	↓		13 bivalve shell		
--20--							③ SILTY SAND mottled		
				biot. contact					
--30--		clay	m.s.				② SILTY MUD		
--40--				biot. contact					
--50--									
--60--		silt	m.s.	mottled			③ SANDY SILT mottled		
	58 62								
--70--									
				biot. contact					
--80--									
--90--		clay	m.s.				89 shell fragment ② SILTY MUD		
--100--									
--110--				irregular contact					
		silt	m.s.				③ SILTY SAND		
--120--				sharp contact					
--130--		clay	m.s.				① NANNO QUD with large forams		
--140--									
--150--									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U1387B

11X2A

1588

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.					ED	11/12/11
-- 0 --										
		CLAY	clay	m.s.		3				
-- 10 --		104 4/1				↓				
-- 20 --		↓						⊕ NANNO QUD with more forams		
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

V 1387B

11X3A

589

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					ED	11/12/11
-- 0 --									
-- 10 --									
-- 20 --	CLAY 104 4/12 ↓	clay	m.s.		3 ↓		① NANNO NUD		
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --				biot. contact					
-- 120 --		clay	m.s.				② SILTY NUD shelld frags		
-- 130 --				biot. contact					
-- 140 --		clay	m.s.				③ NANNO NUD shelld frags		
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.					ED	11/12/11
-- 0 --										
-- 10 --		CLAY 104 4/2	clay	m.s.		3 ↓		① NANNO QUD more and more greenish toward the base		
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --								60) shell frags 62) shell frags		
-- 70 --										
-- 80 --								82 shell frags		
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

11x5A

1391

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
-- 0 --	10x5/1	clay	M.S.	Massive	3			masu	11/DEC/2011
-- 10 --									
-- 20 --									
-- 30 --							-29 shell fragments		
-- 40 --									
-- 50 --									
-- 60 --	undisturb								
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --				G.B			112		
-- 120 --	10x4/1						② SILTY SAND Mud		
-- 130 --							-121 shell fragment		
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

11X6A

152

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.					MASH	11/DEC/2011
-- 0 --		10Y4/1						⊙ MUD		
-- 10 --										
-- 20 --		10Y4/1						16 19 SS (more greenish zone)		
-- 30 --										
-- 40 --								42		
-- 50 --										
-- 60 --										
-- 70 --	undisturb.	10Y5/1								
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

11x7A

1513

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.					Masm	11/DEC/2011
-- 0 --		10Y5/1						S.A.A.		
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --	undisturb									
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --		10Y5/1						SCA	MAM	11/DEC/2011
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --								- 35 crack		
-- 50 --								- 38 crack		
-- 60 --								- 44 crack		
-- 70 --								- 48 crack		
-- 80 --										
-- 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: 11/12/11
			Avg.	Max.						
-- 0 --	slight flaking									
-- 10 --		CLAY 104 4/2	clay	med. sand		3 ↓		① NANNO 90D		
-- 20 --										
-- 30 --								-28 cracks		
-- 40 --		↓ more reddish						40 ↓ more reddish		
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

12387B

12x2A

1596

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: ED	Date: 11/12/11
		Avg.	Max.						
-- 0 --							-4 py. burrow		
-- 10 --	GLY-1 10Y 4/1		clay med. sand		3 ↓		-17 shell fragment		
-- 20 --							-26 shell fragment		
-- 30 --							① NANNO GUD		
-- 40 --									
-- 50 --	46 ↓						-46		
-- 60 --	more reddish								
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --	more reddish						-111 bivalve shell fragment		
-- 120 --	↑ 123						-123		
-- 130 --	GLY-1 10Y 4/1						-138 py. burrow		
-- 140 --									
-- 150 --							-149 py. grains		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U1387B

12x3A

1597

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: ED	Date: 11/12/11
		Avg.	Max.						
-- 0 --	CLAY 10Y 4/2								
-- 10 --	↓ ¹⁰ a little bit more reddish	clay	med. sand		3 ↓		① NANNO GUD with more forams		
-- 20 --									
-- 30 --									
-- 40 --									
-- 50 --							52 py. burrow		
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --	a little bit more reddish								
-- 100 --	↑ ¹⁰⁰						104 scaphopod fgmt		
-- 110 --									
-- 120 --	CLAY 10Y 4/3								
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U1387B

12x4A

1598

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: EO	Date: 11/12/11
			Avg.	Max.						
-- 0 --										
-- 10 --		GLY1 104 4/2	clay	fine sand		3 ↓		④ NANNO QUD		
-- 20 --										
-- 30 --										
-- 40 --								40 shell frags		
-- 50 --										
-- 60 --										
-- 70 --								71 shell frags		
-- 80 --										
-- 90 --								94 shell frags		
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U1387B

12 x 5A

1599

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
-- 0 --	10Y5/1	clay	M.S.	massive	3		① mud Small shell fragments All along the section	MAM	11/Dec/2011
-- 10 --									
-- 20 --									
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --	10YR5/1								
-- 70 --									
-- 80 --									
-- 90 --	10Y5/1								
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --	10Y5/1								
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U1387B

12x6A

16-0

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					Masm	11/DEC/2011
-- 0 --				Grad. C			2		
	10YR5/1	Clay	M.S.		3		② SILTY MUD		
-- 10 --									
-- 20 --									
-- 30 --				massive					
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --	Hydrate								
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --	Hydrate								
-- 130 --				Grad. C			128		
	10YR5/1	Clay	M.S.	massive	3		① mud		
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U1387B

10x7A

1601

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					MASU	11/EEC/2011
-- 0 --				grad. c					
	10Y5/1	clay	M.S				② SILTY MUD		
-- 10 --				massive	3				
-- 20 --									
-- 30 --									
-- 40 --	10Y4/1								
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U1387B

12XCC

1009



Drilling disturb.	Color	Grain-size		Sed. / struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
-- 0 --	10YR 4/1	clay	M.S.	massive.	3		② SILTY MUD	MAM	11/DEC/2011
-- 10 --							-12 shell fragments		
-- 20 --									
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
-- 0 --	10Y5/1		M.S				SCLD	YDSM	11/2002
		clay							
-- 10 --					3				
				Bio.C					
-- 20 --		clay	M.S				17 ① mud		
							(slightly silty)		
-- 30 --				massive					
-- 40 --									
-- 50 --		clay	M.S	Bio.C massive			51 ② SILTY mud		50
		clay	M.S	Bio.C massive			① mud		
-- 60 --	10Y5/1	clay	M.S	Bio.C massive			② SILTY mud		54
		clay	M.S	P.O.C massive			① mud		
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



spread

sand-filled burrow
marked
slightly silty

Expedition 339: Mediterranean Outflow

1387 B

13x3A

1605

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
-- 0 --	10Y4/1	clay	M.S.	massive	3		S.A.A. - " shell fragments.	MAM	11/15/2011
-- 10 --									
-- 20 --									
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --	10Y4/1	clay	M.S.	Grad. C. ¹¹⁰ ↑	3		" ② SILTY MUD		
-- 120 --				Grad. C. normal grading ↓ 146					
-- 130 --									
-- 140 --	10Y4/1	very fine sand	M.S.	Grad. C.	3		③ SILTY SAND		
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

1387B

13X4A

1600

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
-- 0 --							S.A.A.	mam	11 Dec 2011
	10Y5/1			massive	3				
-- 10 --									
-- 20 --									
-- 25 --				Grad.C					
-- 30 --							29		
		clay	M.S.	inverse grading	3		② SILTY MUD		
-- 40 --	5GY5/1								
-- 50 --									
-- 60 --				Grad.C					
-- 63 --							63		
							① MUD		
-- 70 --									
-- 80 --	5GY 5/1	clay	M.S.	massive	3		77 shell fragments		
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

V1387 B

13x5A

1607

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: ED	Date: 11/12/11
		Avg.	Max.						
-- 0 --									
-- 10 --	CLAY 104 4/1	clay	m.s.		3 ↓		① NANNO GUD		
-- 20 --									
-- 30 --									
-- 40 --							-42 py. grain		
-- 50 --									
-- 60 --									
-- 70 --							-67 sand-filled burrow		
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --							-131 shell fragment		
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U 1387 B

13x6A

628

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					EO	11/12/11
-- 0 --									
	grey 104 4/2				2 ↓		-7 shell fragments		
-- 20 --									
		clay	ms.				① MUD		
-- 30 --							-30 py. grain		
-- 40 --									
-- 50 --									
-- 60 --									
				grad. contact			67		
-- 70 --		clay	ms.				② SILTY MUD mottled		
-- 80 --				biot. contact			87		
-- 90 --		silt	ms.				③ SANDY SILT mottled		
-- 100 --				biot. contact			105		
							-108 scaphopod		
-- 110 --		clay	ms.				② SILTY MUD		
							-117 shell fragments		
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U1387B

13x CC

1109



Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
-- 0 --	GLEY 1							ED	11/12/11
	10Y 4/1	clay	m. s.		3				
-- 10 --					↓		② SILTY mud with shell frags		
-- 20 --							[21] cracks		
-- 22 --									
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: AR	Date: 12/12/11
		Avg.	Max.						
0--	GLEY 10y 4/1			massive	BI = 2		Red - 3: shell frag.		
3--									
10--							- 16: shell frag		
16--									
20--									
26--							- 26: Py b.		
30--									
35--							- 35: Py b.		
40--									
50--									
60--									
70--									
80--									
90--									
100--									
110--									
115--									
120--							- 115: Forams		
130--							- 130: Py b.		
140--									
148--							- 148: Shell frag.		
150--									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.					UZ	12/12/11
--0--								Fluc (same as above)		
--10--										
16	↓							-16		
--20--										
22								-22		
--30--										
34								-34		Scaphopoda shell
--40--										
43										contact: gradual
--50--		CLE 1			name	BZ = 2				
51		105								Silty mud shell frag. Forams present
54		411						-51		
--60--								-54		shell frags
--70--										
73										
--80--		59								
81		411								
--90--		↓								
--100--										
102								-102		
105								-105		shell frags
--110--								-108		
								SS		
--120--										
126										contact: gradual
--130--		59			name	BZ = 2				
131		411						-131		Shell frag. Forams present
--140--										
--150--										

Depth	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
0		OLEY							CR	12/12/11
10		10g						Same as above : mud Forams present		
13		41g						-10: Py b. -13: Py b.		
73								-73: shell frags.		
76								-76: shell frags.		
105								-105: Py b.		
109								-109: Py b.		
118								-118: Py b.		
121								-121: shell frags.		
142								-142: Py b.		
143								-143: Py b.		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
								CR	12/12/11
-- 0 --							Same as above: mud		
-- 10 --							Forams present Few shell frags (small)		
-- 20 --									
-- 30 --									
-- 40 --									
41									
44	OLEY								
-- 50 --	1								
	10g								
	31g								
-- 60 --									
-- 70 --									
73									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
134									
-- 140 --									
-- 150 --									

41: Py b.

73: Py b.

134: Py b.

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --		Same							CR	12/12/11
-- 10 --	fix									
-- 20 --		OLEY 1								
		103								
		4/4								
-- 30 --										
-- 40 --										
45 --										
46 --										
47 --										
-- 50 --										
-- 60 --										
-- 70 --										
78 --										
-- 80 --										
-- 90 --										
-- 100 --										
107 --										
-- 110 --										
119 --										
-- 120 --										
125 --										
-- 130 --										
135 --										
-- 140 --										
142 --										
-- 150 --										

Same as above: much Forams present

45
46 > shell frags.
49 Pg b.

80
SS 78: Pg b.

107: Pg b.

119: Pg b

125

> shell frags.

135

142: shell frags.

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --	disc.							Same as above: mud Shell frag. present Forams present	CR	12/22/14
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
62										
63										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

62 > Pyb.
63 >

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

NO. 10074-10075

Depth	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
0									CR	12/12/11
10	disc.							Same as above: mud Forams present		
20										
23								20 22 > foraminifera shells		
30										
40										
50								Forams		
54										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
-- 0 --							Same as above: mud Forams present Shell frag. present	CR	12/12/14
-- 10 --	disc								
-- 20 --									
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/12
		Avg.	Max.						
--0--							fall in		
--10--	10Y 4/1	clay	h. sand	massive	BI 2		myd (type 1)		
--20--									
--30--									
--40--							41. foram patch (2mm)		
--50--							46. shell fragment (1mm)		
--60--							57 Py burrow		
--70--							72. foram patch		
--80--	Biscuit						85 shell fragment		
--90--							67 shell fragment (1mm)		
--100--									
--110--									
--120--									
--130--									
--140--							129. foram patch		
--150--									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/12
			Avg.	Max.						
-- 0 --								Same as above (SAA)		
-- 10 --										
-- 20 --								17. shell fragments (~3mm)		
								21) Py burrows		
								22) Py burrows		
								23) Py burrows		
-- 30 --										
-- 40 --										
-- 50 --								46. shell fragment (1mm)		
-- 60 --										
	Biscuit									
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --								104. shell fragments (~1mm)		
-- 110 --										
								117 Py burrow		
-- 120 --								120 Py burrow		
-- 130 --										
								136. shell fragment (2mm)		
-- 140 --								140. shell fragment (1mm)		
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/11
			Avg.	Max.						
-- 0 --								SAA		
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --	Biscuit									
-- 50 --								dispersed shell fragments (~1mm)		
-- 60 --					gradational contact					
-- 66 --										
-- 70 --		2.5T 4/1	clay	ln. sand	massive	BI 2	172	• mud (type 1) (only color change)		
-- 80 --										
-- 90 --	Biscuit							87. foram patch (3mm) 91. foram patch (1mm) 96. P ₁ burrow		
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --								115. P ₁ burrow 131 shell fragment (1.5cm)		
-- 140 --					gradational contact					
-- 142 --										
-- 142 --	Biscuit	10'S 4/1	clay	ln. sand	massive			142. dispersed shell fragments (~3mm) 146		
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/12
		Avg.	Max.						
							SAA		
							23 shell fragment (1mm)		
							27. P. burrows		
							36. foram patch (1mm)		
Biscuit							41. shell fragment (1mm)		
					BI 2				
				gradational			62. foram patch (2mm)		
63	2.5Y 4/1	clay	m. sand	contact			mud (type 1) (only color change)		
				massive	BI 2		73. foram patch (2mm)		
							75. foram patch (2mm)		
							76. dispersed shell fragments (~1mm)		
							83		
Biscuit							98. P. burrow		
							103. foram patch (3mm)		
							108. foram patch (2mm)		
							113. shell fragment (1mm)		
							126		
				gradational			dispersed shell fragments (~1mm)		
136	10Y 4/1	clay	m. sand	contact			mud (type 1) (only color change)		
				massive	BI 2				
Biscuit									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Depth	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --								SF	2011 12/12	
-- 10 --							dispersed shell fragments (~1cm)			
-- 20 --							21 } Py burrows 23 }			
-- 30 --							29. Py burrow			
37							36. foram patch (2m)			
-- 40 --				coarse			• mud (type 1) (coarser than above layer)			
-- 50 --										
Biscuit										
-- 60 --							60 Py burrow			
-- 70 --							68			
-- 80 --										
90					gradational contact		84 Py burrow			
-- 90 --	Biscuit	10Y 4/1	silt	m. sand	massive (mottled)	BI 2	• silty mud (type 2)			
102					gradational contact					
-- 100 --		10Y 4/1	clay	m. sand		BI 2	• mud (type 1)			
-- 110 --	Biscuit						dispersed shell fragments (~2cm)			
-- 120 --										
-- 130 --							127			
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U1387B 15X 6A

(623)

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/12
			Avg.	Max.						
-- 0 --								SAA		
-- 10 --								9. shell fragment (2mm)		
-- 20 --								23. shell fragments (3mm)		
-- 30 --								35 shell fragments (~0.5mm)		
-- 40 --										
-- 50 --										
-- 60 --								58 shell fragments (~1mm)		
-- 70 --								67. shell fragments (~2mm)		
-- 80 --								83. shell fragment (1mm)		
-- 90 --								90. foram patch (1mm)		
-- 100 --								102. (i) shell fragments (~1mm) foram patch (~2mm)		
-- 110 --								105. shell fragment (5mm)		
-- 120 --								118. Pyburran		
-- 130 --										
-- 140 --										
-- 150 --										

discuit.

NGR
Peak at
bottom Sec T6

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U1387B

15x

7A

(1624)

UNIVERSITY OF
TORONTO

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/12
			Avg.	Max.						
-- 0 --								SAA		
-- 10 --										
-- 20 --								22. Py burrow		
-- 30 --										
-- 40 --								38 forams patches (~200)		
-- 50 --										
59										
-- 60 --		VOID								
63										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										



MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U1387B 15x

CCA (1625)

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/12
			Avg.	Max.						
-- 0 --		5GY 4/1	clay	h. sand	massive	BI 2		• mud (type 1)		
-- 10 --	Biscuit.							11. foram patch (lan)		
-- 20 --										
32										
-- 30 --			PA	L						
37										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										



MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

V1387B 16 x 2A

(620)

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --									CR	12/12/11
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
74 -										74: shell frag
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
112		5G4								BZ = 3
-- 120 --		4/1								
-- 130 --										
134 -										134: P ₅ b.
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. / struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					CR	12/12/11
-- 0 --							Same as above: mud		
-- 10 --									
16 -							- Py b.		
-- 20 --									
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --	10g 411				B2 =2				
75 -						75 SS			
-- 80 --							-80: Py b.		
-- 90 --									
-- 100 --									
105 - 106 -							-105 -106 > Py b.		
-- 110 --									
113 -	56g 411				B1 =3				
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: CRZ	Date: 12/12/01
		Avg.	Max.						
-- 0 --							Same as above Forams present		
-- 10 --									
-- 20 --									
-- 30 --									
34 -							-36: Py b.		
-- 40 --									
41 -							-41: Py		
-- 50 --									
52 -							-50: Py -52		
58 -							-58	no H60 with 10y 3/7	
-- 60 --									
-- 70 --									
-- 80 --									
89 -							-89: shell frag		
-- 90 --									
96 -							-96		
97 -							-97 > Py b.		
-- 100 --									
105 -							-105		
107 -							-107 > Py b.		
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					CR	12/12/11
-- 0 --							Same as above Forams present few shell frags.		
-- 10 --					BT =3				
-- 20 --							mottled with 10 y 4/1		
25									
-- 30 --									
-- 40 --									
43									
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
-- 0 --							Same as above Forams present	CRZ	12/12/11
-- 10 --									
14							-Pg 5 (~14)		
-- 20 --									
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/12
		Avg.	Max.						
-- 0 --		clay	in. sand	massive	BI 2		• mud (type 1) • forams present		
-- 10 --	10Y 4/1						- 13. shell fragment (1mm)		
-- 20 --							- 24. shell fragments		
-- 30 --							- 35. shell fragment (1mm)		
-- 40 --									
-- 50 --									
-- 60 --	Biscuit						- 61. shell fragment (1mm) - 65 shell fragment (1mm)		
-- 70 --									
-- 80 --							not change color chart but more darker.		
87							- 86. shell fragment (3mm)		
-- 90 --	10Y2 4/1						- 91. P ₂ burrow		
-- 100 --	Biscuit						- 100 P ₂ burrow		
-- 110 --									
-- 120 --									
-- 130 --							- 128 shell fragment (3mm)		
-- 140 --									
-- 150 --							- 148. shell fragments (a 2mm)		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/12
			Avg.	Max.						
-- 0 --								Same as above (SAA)		
-- 10 --								13. shell fragments (~1mm)		
-- 20 --								not change color chart but more lighter.		
26										
-- 30 --								31. foram patch (2mm)		
-- 40 --										
-- 50 --								53. Py burrow		
-- 60 --								62. shell fragments (~1mm)		
								67. foram patch (3mm)		
-- 70 --								70. foram patch (2mm)		
								72. foram patch (3mm)		
								dispersed shell fragments (~1mm)		
-- 80 --								81		
-- 90 --								93. Py burrows.		
								98. shell fragment (1mm)		
-- 100 --								99. shell fragment (1mm)		
-- 110 --								112. foram patch.		
-- 120 --								119. shell fragment (2mm)		
-- 130 --								128. foram patch (3mm)		
-- 140 --								146. Py burrow		
-- 150 --								148. Py burrow		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

V1387B 17x 3A

1634

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/12
			Avg.	Max.						
-- 0 --								SAA		
								2. Py burrow		
-- 10 --								14. Py burrows		
								18. Py burrow		
-- 20 --										
-- 30 --								34. Py burrow		
-- 40 --								43. Py burrow		
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --								91. shell fragment (2mm)		
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --								138 Py burrow		
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Depth	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/12
			Avg.	Max.						
-- 0 --								SAA		
-- 10 --										
-- 20 --								17 shell fragment (2mm)		
-- 30 --								33 dispersed shell fragment (~2mm)		
-- 40 --								37 shell fragment (2mm)		
-- 50 --								45 Py burrow		
-- 60 --								63 shell fragment (2mm)		
-- 70 --								70 Py burrow		
-- 80 --								73 Py burrow		
-- 90 --								79 Py burrow		
-- 100 --								87 forampatch (1mm)		
-- 110 --								90 forampatch (1mm)		
-- 120 --								111 Py burrow		
-- 130 --								135 shell fragment (1mm)		
-- 140 --								144 Py burrow		
-- 150 --								147 shell fragment (1mm)		

Biscuit

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/12
		Avg.	Max.						
-- 0 --							SAA		
							5. shell fragment (~1mm)		
-- 10 --							17. shell fragment (1mm)		
							19. shell fragments (~2mm)		
-- 20 --							22. shell fragment (3mm)		
							25. Py burrow		
							27. shell fragment (2mm)		
-- 30 --									
-- 40 --							45. shell fragment (1mm)		
-- 50 --							53. forampatch (2mm.)		
							57. shell fragments (~1mm)		
-- 60 --							60. shell fragments (~1mm)		
	Biscuit								
-- 70 --							75. foram patch (1mm)		
-- 80 --							82. shell fragment (1mm)		
-- 90 --									
-- 100 --									
-- 110 --							114 shell fragments (~2mm)		
-- 120 --									
-- 130 --									
-- 140 --							146. shell fragment (5mm)		
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/12
			Avg.	Max.						
-- 0 --								SAA		
-- 10 --								7. shell fragment (5mm)		
								16 forampatch (1mm)		
								18. Py burrow		
-- 20 --								20 forampatch (1mm)		
								27. shell fragment (1mm)		
-- 30 --								32. shell fragments (~1mm)		
								34. forampatch (1mm)		
								37. forampatch (1mm)		
-- 40 --								44 Ty burrow		
-- 50 --										
-- 60 --										
								67. shell fragment (5mm)		
-- 70 --										
-- 80 --								82. Ty burrow		
								86. Ty burrow		
-- 90 --								90. Ty burrow		
-- 100 --								103 shell fragments (~1mm)		
								104 Py burrow		
-- 110 --								110 shell fragments (~1mm)		
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

Biscuit

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U1387B

17X

7A

(1638)

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/12
		Avg.	Max.						
0							SAA 3. shell fragments (~1mm)		
10							6. shell fragment (4mm) 9. Py burrow 11. Py burrow		
20							21. shell fragments (~1mm) 23. Py burrow		
30							34. shell fragments (~1mm)		
40									
50							54. foram patch (1mm)		
60									
70									
72									
80									
90									
100									
110									
120									
130									
140									
150									

Biscuit

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/12
			Avg.	Max.						
-- 0 --								SAA		
-- 10 --								11 shell fragment (1mm)		
-- 20 --								20. shell fragment		
29										
-- 30 --			PAL							
34										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										



MAJOR LITHOLOGY:

MINOR LITHOLOGY:

U1387 B - 18X - 1A

Expedition 339: Mediterranean Outflow

U1387B (8x)

A

(1640)

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
--0--		GLY1 10y	clay		massive	BZ = 2		Thin Forams present shell frag. present	CR	12/12/11
--10--	Disturb.	4/1								
--20--										
--30--										
--40--										
--50--										
--60--										
--70--										
--80--										
--90--										
--100--										
--110--										
--120--										
--130--										
--140--										
--150--										



MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --									CR	12/2/11
								Same as above		
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 -- 51								-51 Shell frag.		
-- 60 --										
-- 70 --										
-- 80 -- 82								-82. Forams		
-- 90 --										
-- 100 --										
-- 110 -- 114								-114. Forams		
-- 120 --										
-- 130 --										
-- 135 -- 135								-135. Shell frag.		
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --									CR	12/12/11
-- 10 --								Same as above		
-- 20 --										
21		OLEY1						-- color change		
-- 30 --		10y 3/1				B1 =3		↑ Bottled with OLEY1 10y 4/1		
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --								↓ color change		
85		OLEY1 10y 4/1				B1 2		contact: gradual		
-- 90 --				matrix			91 SS	Silty mud shell frags.		
92								contact: gradual		
-- 100 --								Rud Forams present shell frags.		
-- 110 --										
-- 120 --										
-- 130 --										
136										136 shell frag
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U1387B 18X 4A

(1643)

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --									CE	12/12/11
-- 10 --								Fluid: same as above		
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --								-80: coal branch		
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
143		2.5y 417						color change		
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
-- 0 --	Same						Mud: Same as above Forams present few shell frag.	WZ	12/12/11
-- 10 --									
-- 20 --									
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --									
69									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

-40
↑

mottled
with
OLEY 1
50g
4/1

-65: shell frag.

↓

-80 color change

OLEY 1
50g
4/1

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
								02	12/12/11
-- 0 --							Same as above Forams present Few shell frags.		
-- 10 --									
-- 20 --									
-- 30 --									
36 --					B1 =3		↑		
-- 40 --							moHed with 10g 4/1		
-- 50 --									
-- 60 --									
-- 70 --									
-- 75 --									
-- 80 --									
89 --							↓		
-- 90 --	2.5 g 4/1				B1 =2		color change		
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
--0--	2.5y 411						Red: same as above	C12	12/12/11
--10--									
--20--									
--30--	10y						- shell frag.		
39 - --40--	411						-39: Py b.		
--50--									
--60--									
63 -							-63: shell frag.] Py b.	
66 -							-66: shell frag.		
69 - --70--							-69: Py b.		
--80--									
--90--									
--100--									
--110--									
--120--									
--130--									
--140--									
--150--									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
	GLESY 10y 4/1						Mud: Same as above Forams present few shell frag.	(R)	12/12/11
-- 0 --									
-- 10 --									
-- 20 --									
-- 30 --									
-- 40 --									
42							-42: Py		
-- 50 --									
-- 60 --									
63							-63 > Py b.		
64							-64 > Py b.		
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

V1387 B 18XCCA

1698



Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
-- 0 --	OLEY 10g 41g						Silty mud Foram front		
-- 10 --									
-- 20 --									
22							22 > shell frag.		
25							25 >		
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/12
		Avg.	Max.						
--0--	fall in.								
4		clay	m. sand	massive	BI 2		mud (type 1) foram present		
--10--	10Y 4/1						9. foram patch (2mm) 13. foram patch (1mm)		
--20--									
--30--	Biscuit								
--40--									
53				gradational contact			49. foram patch (2mm)		
--50--									
--60--	Biscuit	silt	m. sand	massive	BI 2		silty mud (type 2) foram present		
71				gradational contact			57. shell fragments dispersed shell fragment		
--70--									
--80--	Biscuit	clay	m. sand	massive	BI 2		mud (type 1) - foram present		
84				gradational contact			72. shell fragment (1mm)		
--90--									
--100--									
--110--									
--120--	Biscuit								
--130--									
--140--									
--150--									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

V1387 B 19x 2A

1650

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/12.
			Avg.	Max.						
-- 0 --										
-- 10 --	Biscuit				↑ coarsening upward			Same as above (SAA)		
-- 20 --										
27					gradational contact	24				
-- 30 --	Biscuit	10 ⁺ 4/1	clay	m. sand	massive	B12	31	mud (type 1)		
-- 40 --							39	foram present. dispersed shell fragment (~3mm)		
-- 50 --								50 shell fragments (~1mm)		
-- 60 --										
-- 70 --								76 shell fragments (~1mm)		
-- 80 --								75 Py burrow		
-- 90 --										
-- 100 --										
-- 110 --								106 shell fragment (2mm) 108 foram patch (3mm)		
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/12
		Avg.	Max.						
-- 0 --							• S1A		
-- 10 --							• 10 P. burrow		
-- 20 --							• 14 P. burrow		
-- 30 --									
-- 40 --	Biscuit						• 38 shell fragment (1mm)		
-- 50 --									
-- 60 --							• 63 shell fragment (3mm)		
69				bioturbated contact					
-- 70 --	Biscuit	10Y 4/1	silt	fine sand	massive (mottled)	BI 3	• Silty mud (Type 2) • foram present (75 shell fragments (2mm))		
-- 80 --					bioturbated contact				
81									
-- 90 --	Biscuit	10Y 4/1	clay	fine sand	massive	BI 3	• mud (Type 1) • foram present ↳ foram patch (2mm)		
-- 100 --									
-- 110 --							• 113 P. burrow • 114 foram patch (2mm)		
-- 120 --							• 126 shell fragment (2mm)		
-- 130 --									
-- 140 --							• 143 P. burrow		
-- 150 --							• 149 P. burrow		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Depth	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/12
			Avg.	Max.						
-- 0 --								SAA		
-- 10 --										
-- 20 --								23. foram patch (2mm)		
28					gradational contact					
-- 30 --		2.5Y 4/1	clay	m. sand	massive	BI 2		• mud (type 1) (only color change) foram present		
-- 40 --								39. foram patch, shell fragments (~1mm)		
-- 50 --								48. shell fragments (~1mm)		
-- 60 --								62. foram patch (2mm)		
-- 70 --								71. shell fragments (~1mm)		
-- 80 --										
-- 90 --										
-- 100 --								97. shell fragment. (.1mm)		
-- 110 --										
117					gradational contact					
-- 120 --		10Y 4/1	silt	m. sand	massive			• silty mud (type 2) foram present		
126					gradational contact			121. shell fragment (5mm)		
-- 130 --		10Y 4/1	clay	m. sand	massive			• mud (type 1) foram present		
-- 140 --								128. foram patches (~1mm)		
148					gradational contact					
-- 150 --		5GY 4/1	silt	m. sand	massive	BI 3		• silty mud (type 2) foram present		
159								149 shell fragments (~2mm)		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/12
		Avg.	Max.						
-- 0 --							SAA.		
-- 10 --							13. P. burrow		
-- 20 --							23 P. burrow dispersed shell fragments (~3mm)		
-- 30 --	Biscuit								
-- 40 --									
-- 50 --							47		
-- 60 --							55 shell fragment (3mm)		
67.				(gradational contact)			65. shell fragments (~8mm)		
-- 70 --	Biscuit						mud (type 1) 73 foram present		
-- 80 --	10Y 4/1	clay	fine sand	massive	BI 2		dispersed shell fragments (~2mm)		
-- 90 --									
-- 100 --							94. P. burrow		
-- 110 --							98. shell fragment (2mm)		
-- 120 --							107. P. burrow		
-- 130 --							118 P. burrow		
-- 140 --							120 foram patch (2mm)		
-- 150 --							126 shell fragments (1cm)		
							137 foram patch		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/12
			Avg.	Max.						
-- 0 --	Biscuit							<p><u>SAA</u></p> <p>13. foram patch (2mm)</p> <p>17. foram patch (2mm)</p> <p>26. foram patch (1mm)</p> <p>32. shell fragment (8mm)</p> <p>46. Py burrow</p> <p>60. shell fragments (~1mm)</p> <p>65. shell fragments (~1mm)</p> <p>80 shell fragment (1cm)</p> <p>90 shell fragments (~1mm)</p> <p>92. shell fragments (~2mm)</p> <p>94. shell fragment (2mm)</p> <p>99 shell fragment (1mm)</p> <p>106. foram patch (4mm)</p> <p>112. shell fragment (1mm)</p>		
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U1387 B 19X 7A

(1655)

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/12
			Avg.	Max.						
-- 0 --								SAA		
-- 10 --		Biscuit						13. foram patch (2mm)		
-- 20 --								26. foram patch (1mm)		
-- 30 --								32. foram patch (3mm)		
-- 40 --								43. shell fragments (~1mm)		
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U1389B 19X CCA

(1656)



Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
-- 0 --							5. P ₂ burrow	SF	2011 12/12
-- 10 --							17. foram patches (~1mm)		
-- 20 --							25. shell fragment (8mm) 26. foram patch (2mm)		
30									
-- 30 --									
35			PAL						
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --	Disturb. x	OLEY1			massive			CR	12/12/11	
-- 10 --		10Y 4/1				BZ = 2				Flud Forams present few shell frag.
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
63									contact: gradual	
66									Silty mud	
-- 70 --									66: B ₁ burrow	
72										
-- 80 --	fall-in?									
83										
-- 90 --	Disturb	OLEY1			massive					
		10Y 4/1				BZ = 2			Flud Forams present	
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
132									-B2: shell frag	
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
-- 0 --							Same as above	CPZ	12/12/11
-- 10 --									
-- 20 --									
26 -							-26: Py b.		
-- 30 --									
-- 40 --									
-- 50 --									
59 -							-59: Py b.		
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
96 -							-96 -> Py b.		
97 -							-97 -> Py b.		
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
148 -							-148 -> Py b.		
149 -							-149 -> Py b.		
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U1387B 20 x 3A

1659

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: CR	Date: 12/12/11
			Avg.	Max.						
-- 0 --								Same as above		
-- 10 --										
-- 20 --										
28								-28: Shell frag.		
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
64							-64 SS			
-- 70 --										
76								-76: Py b.		
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
113								-113: Py b.		
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --									CR	(2/12/11)
-- 10 --	bisc							Same as above		
15								-15: Py b.		
-- 20 --										
-- 30 --								-30: shell frag.		
-- 40 --										
-- 50 --								contact: gradational		
51	bisc	OLEY 10y 4/1			massive	B1 =2		Silty mud shell frag.		
-- 60 --								contact: irregular		
61	↓	↓			↓	↓		Mud		
-- 70 --								Foliarus next		
-- 80 --										
-- 90 --										
99								-99 > Py b.		
-- 100 --								-100 > Py b.		
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
146								-146 > Gastroidea shell		
148								-148 > Gastroidea shell (shell f)		
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --									UR	12/12/11
								Same as above		
-- 10 --										
-- 20 --										
66								-26 : shell frag		
-- 30 --										
33										
-- 40 --										
	fall in									
-- 50 --										
		CLay 20g 41g			marks ↓	Bz 2 ↓		Silty mud		
-- 60 --										
							66 SS			
-- 70 --										
74								contact: irregular Mud		
-- 80 --										
82								contact: gradational Silty mud shell frag.		
-- 90 --										
-- 100 --										
104								contact: gradational Mud		
-- 110 --								Torulus print		
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U1387B 20X 614

1662

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --									CR2	12/12/11
2								Same as above - 2 shell frag. Forams present		
-- 10 --										
-- 20 --										
-- 30 --								- 30 shell frag.		
-- 40 --										
-- 50 --										
-- 60 --								- 60: shell frag.		
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --		(grey)							GR	12/12/11
	disc. ↓	105 417 ↓			mass ↓	31 =2 ↓		Same as above Forams present		
-- 10 --										
19								contact: gradual		
-- 20 --								Silty mud Shell fragments abundant Forams present		
-- 30 --								contact: irregular		
34								read Forams present		
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

V1387 B 20x CCA

664

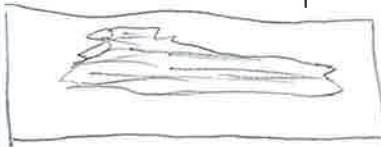
08-10-2010 08:41
 10/10/2010 08:41



	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --									CR2	12/12/11
-- 10 --								Same as above		
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
	GLEW 0Y4/1	Clay	Medium sand (Foram)	Mottled? (Massive)	BI:2		Mud (Type 1) Foam present	UN	12/Dec/2011
				Sharp contact					
	GLEW 10Y4/1	Silt	Medium sand (Foram)	Mottled?	BI:2		Type 2: Silty mud 46 shell fragments Foam present Py burrow		Fining upwards
				Partly bioturbated					
	GLEW 10Y4/1	Clay	Medium sand (Foram)	Sharp contact	BI:2		Type 1: Mud 46 shell fragments		
				Mottled?					
	gradational change			Gradational contact					
	2.5Y 4/1	Clay	Medium sand (Foram)	Mottled			Type 1: Mud		
	Biscuits								
							81 Gastro pod (in a burrow?)		
							100 shell fragments		
							117 shell fragments		
							126 lenticular-patchy silt (burrow?)		
									
							133 shell fragments		
							137 shell fragments		
							139 shell fragments		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.					N N	12/Dec/2011
-- 0 --								Type 1: Mud continued from 1A		
-- 10 --								{ Foram rich ↓ (to the bottom of this section)		
-- 20 --								-29 Shell fractions		
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --								-63 Py burrow		
-- 70 --										
-- 80 --										
-- 90 --								-94 Foram patch		
-- 100 --								-96 Shell fragments		
-- 110 --										
-- 120 --								-126 Shell fractions		
-- 130 --										
-- 140 --								-138 Shell fractions		
-- 150 --								-145 Foram patch		

Biscuits

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.					N N	12/Dec/2011
-- 0 --								Type 1: Mud continued from 2A		
								2 shell fragments		
-- 10 --										
								18 shell fragments		
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --								54 Py burrow		
-- 60 --								65 Py burrow		
-- 70 --								70 } shell fractions		
								74 }		
-- 80 --								87 } shell fragments		
								88 }		
-- 90 --										
-- 100 --										
								109 shell fractions		
-- 110 --										
								118 shell fragment		
-- 120 --										
-- 130 --										
								140 shell fractions		
-- 140 --										
-- 150 --										

Biscuits

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --									NN	2/Dec/2011
								Type 1: Mud continued from 3A		
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
(115										
-- 120 --		2.5Y 4/1	Silt	Medium Sand (foram)	Gradational contact Mottled ?	Bi: 2		Type 2: Silty Mud		
-- 130 --										
-- 140 --										
-- 150 --										

Biscuits

14
16 } Shell fractions

34 Shell fragment

Shell fractions

45

54 shell fractions

79 shell fragments

88 } Shell fractions

95

137 } shell fragments

142

144

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
--0--									NN	12/Dec/2011
								Type 1: Mud continued from 5A)		
								-6 Gastropod fragments		
--10--								-9 } shell fragments		
								-13 } shell fragments		
--20--										
26					Bioturbated contact					
		2.5Y 4/1	Silt	Silt				Type 2: Silty mud		
--30--					Mottled?	BS:2		-27 } shell fragments		
								-34 } shell fragments		
--40--										
--50--								-50.5 Shell fragments		
56					Bioturbated? contact					
		2.5Y 4/1	Clay	Silt	Mottled?			Type 1: Mud		
--60--										
67					Bioturbated? contact					
		2.5Y 4/1	Silt	Very fine sand (foam)				Type 2: Silty mud		
--70--										
--80--					Mottled?			} dispersed forams		
--90--										
--100--										
--110--										
111										
--120--										
--130--										
--140--										
--150--										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
--0--									NN	12/Dec/2011
								Type 2: Silty mud continued from 2A		
								[2-3] Forams patches		
--10--								[6-9] Shell fragments		
--20--								[19] Shell fragments		
--22--										
--25--										
--30--										
36										
--40--										
--50--										
--60--										
--70--										
--80--										
--90--										
--100--										
--110--										
--120--										
--130--										
--140--										
--150--										

biscuits

Type 2: Silty mud continued from 2A
 [2-3] Forams patches
 [6-9] Shell fragments
 [19] Shell fragments
 [22-25]

Poles - Sample

PAL

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: UN	Date: 12/Dec/01
		Avg.	Max.						
-0--							Type 2: Silty mud continued from 1A		
-10--							Shell fractions		Finning upward (turbidite?)
-20--							22 Shell fragments		
23				Gradational contact					
28	GLEXY (GY4/1)	Very fine sand	Fine sand	Mottled? Sharp	BI:2	25SS	Type 3: Silty sand		
-30--									
30	GLEXY (GY4/1)	Clay	Fine sand	Contact 6	BI:3		Type 1: Mud		
-40--				partly burrowed					
-50--									
-60--									
-70--							69-70 } burrows filled with silty sand		
-80--							75-76 } shell fractions		
-90--							81.5 Foram patches		
-100--									
-110--									
-120--							95 } Gastropod shell		
-130--							99.5 Py burrow		
-140--									
-150--									

Biscuits

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
--0--									NN	2/Dec/2011
--10--								Type 1: Mud continued from 1A		
--20--										
--30--										
--40--										
42		GLEYS 5GY 4/1	Silt	Silt	Bioturbated contact	BI:3		Type 2: Silty mud		
--50--								-50 shell fragment		
--60--					Mottled?					
--70--										
71		GLEYS 10Y 4/1	Silt	Fine Sand (Foram)	Bioturbated contact	BI:3		Type 2: Silty mud		
--80--								Foram rich		
--90--					Mottled?			(to the bottom of this section)		
--100--										
--110--										
--120--										
--130--										
--140--										
141		gradational change ↓ 2.5Y 4/1	Silt	Fine Sand (Foram)	Gradational contact	BI:3		Type 2: Silty mud		
--150--					Mottled?					

Bis Caits

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --								NN	12/Dec/2011	
							Type 2: Silty mud			
							Dispersed			
							Shell fractions			
							(to the bottom of this section)			
-- 10 --										
-- 20 --										
-- 30 --							Foram patch			
-- 40 --							Gastropod			
-- 50 --										
-- 60 --							shell fragments			
-- 70 --										
-- 80 --										
	Biscuits									
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Depth	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
--0--									NU	2/Dec/01
--10--								Type 2: Silty mud continued from 4A		
--20--								15 Shell fragments		
--23--								23]		
--28--								28 Py burrow		
--30--								30]		
--31--								31] shell fractions		
--57--								57]		
--58.5--								58.5] Py burrows		
--96--								96 Shell fractions		
--108--								108 Foram porch		
124		BLEY 10Y4/1	Clay	Fine sand (Foliam)	Gradational contact	Mottled ?	BI:2	Type 1: Mud		
--137--								137 Shell fraction		
--143--								143 Gastropod		
--150--										

Biscuits

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Depth	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
0									NN	12/Dec/01
5								5 Foram push		
12								12 Foram push		
22.5								22.5 Foram push & Py burrow		
25								25 Py burrow		
42								42 Py burrow		
47										
49										
50								Gap		
57										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Biscuits



MAJOR LITHOLOGY:

MINOR LITHOLOGY:



	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
--0--								Type 2: Silty mud	NN	12/Dec/2011
--10--	Biscuits							continued from 9A -13 Forampatches -20		
--20--										
--30-- 32										
--40--								Paleo sample		
--50--										
--60--										
--70--										
--80--										
--90--										
--100--										
--110--										
--120--										
--130--										
--140--										
--150--										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

U1387B-23X-1A

V1387B 23X1A

1681

Expedition 339: Mediterranean Outflow

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
	6LEy1			massive	B1 =2		Fluc Forams present 6: Py b.	CR2	12/12/11
6	105								
10	4/1								
20									
24							24 > Py b.		
25							25 > Py b.		
30									
33							33: Py b.		
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --									UR	12/12/11
-- 10 --								Mud: Same as above		
18								-18: gastropode shell (intact)		
-- 20 --								contact: gradual		
23		GLG ₁						Silty mud		
-- 30 --	biscuit	10g 4/1			massive	B1 =2		shell frag (few)		
-- 40 --										
-- 50 --										
52								-52: bivalve shell (intact)		
-- 60 --								contact: gradual		
		GLG ₁						Mud		
-- 70 --	biscuit	10g 4/1			massive	B2 =2		Fossils present		
79								-79: Py b.		
-- 80 --								-82: Py b.		
82								-82 > Py b.		
89								-89 > Py b.		
-- 90 --										
93								-93 > Py b.		
96								-96 > Py b.		
-- 100 --										
101								-101 > Py bs.		
103										
106								-106 Py		
108										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
-- 0 --							FluQ (Same as above)	CR	12/12/11
-- 10 --							Forams present few shell frag.		
-- 20 --									
-- 30 --									
-- 40 --									
44 -									
45 -							44 > Py b.		
-- 50 --									
53 -							53: shell frag		
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --								Med (same as above) ↓	GR	12/12/11
-- 10 --								few shell frag Forams present		
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
74 -								-74: Py b.		
-- 80 --								Mottled with log 411		
-- 90 --		OLEY 1 5 Gy 4/1								
93 -		↓						-93: Py b.		
95 -								-95: Py b.		
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
132 -								-137: Py S.		
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					CR	12/12/14
0							Fluc - 1: Py b.		Forams present
4							-4: Py b.		
10							-11: Py b.		
20									
30							color change		
40	OLEY, 10g 411				B1 =2				
46							-46 Centropode shell		
50									
60									
70									
80									
89							-89: Py b.		
90									
92							-92: Py b.		
100									
110									
117							-117: Py b.		
118							-118: Py b.		
120									
130									
140									
150									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: CR	Date: 12/12/14
			Avg.	Max.						
-- 0 --								Same as above		
-- 10 --								contact: gradual		
14										
-- 20 --	biowit	GLY 1 105 4/1			massive	B2 = 2		Silty mud shell frags		
-- 30 --										
-- 40 --										
-- 50 --										
56								contact: gradual		
-- 60 --	biowit	GLY 1 105 4/1			massive	B2 = 2		Mud Forams present few shell frag		
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

200 1/2 x 10 1/2 x 1/2
100 1/2 x 10 1/2 x 1/2
50 1/2 x 10 1/2 x 1/2

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
- 0 --										
6								Thud (same as above)	CD	12/12/11
- 10 --								- 6: Pyb. Forams present few shell frags		
- 20 --										
- 30 --										
- 40 --										
- 50 --										
- 60 --										
- 70 --										
- 80 --										
- 90 --										
- 100 --										
- 110 --										
- 120 --										
- 130 --										
- 140 --										
- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U1387B 23X CCA

(688)



	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --								Same as above	CR	12/12/11
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

U1387 B-24X-1A

U1387 B

24X 1A

1-89

Expedition 339: Mediterranean Outflow

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/12
		Avg.	Max.						
--0--	fall in								
	10Y 4/1	clay	lt. sand	massive			mud (type 1) ↳ forams present		
--10--							-14 Py burrow		
--20--									
--30--									
--40--									
--50--									
--60--							-60 shell fragment (lum)		
	Biscuit						-61 Py burrow		
--70--							-71 Py burrow		
--80--							-78 shell fragment (lum)		
--90--							-91 shell fragments (lum)		
							-93 shell fragment (lum)		
							-95 shell fragments (lum)		
--100--									
--110--									
--120--									
--130--							-133 shell fragment (lum)		
							-136 forams patches (lum)		
--140--									
--150--									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/12
			Avg.	Max.						
-- 0 --								Same as above		
-- 10 --								4. shell fragments (~0.5mm)		
-- 20 --								29. shell fragments (~2mm)		
-- 30 --								33. shell fragment (1mm)		
-- 40 --								47. Py burrow		
-- 50 --								55. forams patches (~1mm)		
-- 60 --										
-- 70 --								69. shell fragment (1cm)		
-- 80 --								84. Py burrow		
-- 90 --										
-- 100 --								99. shell? fragments (4mm)		
-- 110 --								101		
-- 120 --								119. shell fragment (1mm)		
-- 130 --								127. Py burrow		
-- 140 --										
-- 150 --										

Biscuit

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/12
			Avg.	Max.						
-- 0 --								Same as above		
-- 10 --								9. Ty burrow		
-- 20 --								19. foram patches (~1mm)		
-- 30 --								34- Py burrows		
-- 40 --								38		
-- 50 --										
-- 60 --								63 foram patch (2mm)		
-- 70 --								75 shell fragments (~2mm)		
-- 80 --										
-- 90 --								92 foram patch (2mm)		
-- 100 --								97. foram patch (2mm)		
-- 110 --										
-- 120 --								120 foram patch (1mm)		
-- 130 --										
-- 140 --								146. foram patch (1mm)		
-- 150 --										

Disturb

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/12
			Avg.	Max.						
-- 0 --								Same as above		
-- 10 --										
-- 20 --										
-- 30 --										
37					bioturbated contact			35		dispersed shell fragments (35cm - 76cm)
-- 40 --		10Y 4/1	silt	m. sand	massive (mottled)					
50										
-- 50 --		10Y 4/1	fine sand	m. sand	massive (mottled)					
-- 60 --										
70					irregular contact					
-- 70 --										
-- 80 --		10Y 4/1	clay	m. sand	massive	BE 3				
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/12
			Avg.	Max.						
-- 0 --								Same as above		
-- 10 --								5. shell fragment (3mm)		
-- 20 --								① NUD		
-- 30 --								39. foram patch		
-- 40 --								from 49 to the end of section: more forams		
-- 50 --								54. foram patch		
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --								125 shell frags		
-- 140 --										
-- 150 --										

slightly biscuit

Expedition 339: Mediterranean Outflow

V1387B 24 X 6A (1694)

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: ED	Date: 12/12/11
		Avg.	Max.						
-- 0 --							(1) mud as above with many forams		
-- 10 --									
-- 20 --									
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

BISCUIT

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U1387B

2EX

7A

(695)

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: ED	Date: 12/12/11
			Avg.	Max.						
-- 0 --										
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

BISCUIT

① QUD as above

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: ED	Date: 12/12/11
			Avg.	Max.						
-- 0 --	BISCUIT							⊕ NUD as above		
-- 10 --								13 shell frags		
-- 20 --								16 } clonidite-type burrows 20 }		
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
	gray 4/1	clay	m.s.	massive	3		① mud	masu	12/DEC/2011
-- 0 --									
-- 10 --									
-- 20 --									
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

Biscuit

5445/1

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --									MAM	12/22/2011
-- 10 --								SAA		
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --	Biscuit									
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --					115 Grad. c			121		
-- 130 --					3			② SILTY MUD		
-- 140 --					normal grading					
-- 150 --					Grad. c			147		
					3			③ SILTY SAND		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Sand.

Expedition 339: Mediterranean Outflow

25X3A

1699

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: masu	Date: 12/DEC/2011
		Avg.	Max.						
-- 0 --	10YR 1/1						SASA		
-- 10 --				Grad. C. 15					
-- 20 --		Clay	M.S.	Inverse grading 3			16 ② SILTY MUD		
-- 25 --									
-- 30 --		Clay	M.S.	3			25 ① MUD		
-- 40 --				35					
-- 50 --				massive					
-- 60 --				Grad. C. 55 normal g.			58 ② SILTY MUD		
-- 65 --		Clay	M.S.	3					
-- 70 --				Grad. C. Inverse grading 3			65 ① MUD		
-- 80 --				massive					
-- 90 --				Grad. C. 87			90		
-- 100 --				normal grading 95			② SILTY MUD		
-- 110 --		Clay	M.S.	massive					
-- 120 --				3					
-- 124 --				Grad. C. 122			124		
-- 130 --				normal grading 128			③ SILTY SAND		
-- 135 --		Very Fine sand	M.S.	3			135 shell fragments		
-- 140 --				massive					
-- 150 --									

Biscuit

Low NGR

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

25x4A

1700

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
	10Y5/1						S S S	max	12/DEC/2011
-- 0 --									
-- 10 --				12					
-- 20 --	5GY5/1	clay	M-S	Inverse grading	3		(2) SILTY MUD (slightly sandy)		
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --	Biscuit 5GY5/1	clay	M-S		3		(1) MUD		
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --	10GY4/1		146						

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

25XSA

401

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --		10Y4/1							msm	12/DEC/2011
-- 10 --								SdA		
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

Biscuit

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U1387 B

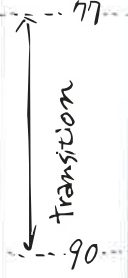
25X6 A

1709

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --									MSM	12/5/00 (2d)
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

SAD

Biscuit



5941

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.					MQW	12/DEC/2011
-- 0 --		5G4A/1	clay	M.S.	masive			⑨ SILTY MUD		
-- 10 --										
-- 20 --						3				
-- 30 --										
-- 40 --		10X4/1	clay	M.S.	Inverse grad's 35 Grad. C 45			39 ⑩ MUD		
-- 50 --					masive	3				
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --		Biscuit								
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

26X2A

1705

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --									nam	12/DEC/2011
-- 10 --								S S S		
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --		10Y4/G	clay	M.S.	steel c normal grading	3		146 (2)		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

26x3A

706

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --										
		5								
-- 10 --		5GY4/1								
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --		5GY4/1	clay	M.S.	Grad. c	3	49 50 Bivalve L=2cm ① mud			
-- 60 --										
-- 70 --					massive					
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

condrites
↓
15



high
NGR

massive

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

26X4A

1707

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --									Mar	12/8 Dec/2011
-- 10 --								S S S		
-- 20 --										
-- 30 --								33 pititized burrow L-2cm		
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --								339 U138713 26X4A 85 cold coral branch		
-- 90 --								85 cold coral branch		
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

Biscuit

10X41 42

normal grading
↑
Grad. C

3

133
(2)

10X41

Clay M.S.

massive

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

26X5A

1708

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: mam	Date: 12/05/2011
		Avg.	Max.						
-- 0 --	10Y4/1	Clay	M.S.	massive	3		② SILTY MUD		
-- 10 --	10B2.5/1	V.F.S.	F.S.	Grad. c normal & erosional c.			③ SILTY SAND		TD
-- 20 --	10Y4/1	Clay	M.S.				② MUD ①		
-- 50 --	10B2.5/1	V.F.S.	C.S.	Grad. c massive erosional c.			50 SILTY SAND shell fragments.		
-- 60 --	10Y4/1	Clay	M.S.				54 ○ sand-filled burrow φ 1cm ② MUD ①		
-- 80 --									
-- 90 --							85 ○ sand-filled burrow φ 1.5cm		
-- 100 --									
-- 110 --									
-- 120 --							121 shell fragments 125		
-- 130 --							133-135 shell fragments.		
-- 140 --									
-- 150 --									

Biscuit

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

26X6 A

709



	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --		10Y4/1	clay					S A A	yasu	12/05/2011
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --		Biscuit								
-- 70 --										
-- 80 --										
-- 85 --								(slightly sandy)		
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U1387B

26XCC

1711



Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
								MAM	12/DEC/2011
-- 0 --							N.A.A		
-- 10 --									
-- 20 --	Biscuit			grad. U					
-- 20 --		Clay	M.S.	massive	3		② SILTY MUD		
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

U1387B - 27X - 1A

Expedition 339: Mediterranean Outflow

U1387B

27X 1A

1-12



Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
	grey	clay	silt (?)					Yasm	12/20/2011
	DISTURBANCE (mousse-like)								

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U1387B

27XCC

7/3



	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --									MJK	12/DEC/2001
-- 10 --	more fine dist.	10Y5.9	clay	m-s.	massive	3	① mb			
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

Praxis

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --			Clay	M.M.	Massive	3			Masm	12/DEC/2011
-- 10 --		5G4/1								
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										



CAUTION
DISTURBED

Biscuit

122 pyritized burrow L=1cm

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
	5GY 4/1						SdA	gasu	12/DEC/2011
-- 0 --									
-- 10 --				Sharp C	3				
-- 20 --		Clay	M.S.	Inverse grading	3		② SILTY MUD		
-- 30 --				Grad. C inverse 28 33	3		① MUD		
-- 40 --		Clay	M.S.	massive	3		42 Shell fragments.		
-- 50 --				49 Grad. C normal grading	3				
-- 60 --		Clay	M.S.	54	3		② SILTY MUD		
-- 70 --				massive					
-- 80 --	Biscuit								
-- 90 --		Clay	M.S.	85 Grad. C inverse grading	3		① MUD		
-- 100 --				90 massive	3				
-- 110 --		Clay	M.S.	100 Grad. C normal grading	3		② SILTY MUD		
-- 120 --				105 massive	3				
-- 130 --		Clay	M.S.	118 Grad. C inverse grading	3		① MUD		
-- 140 --				120 massive	3				
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					Masn	12/DEC/2011
-- 0 --	10Y4/1	Clay	M.S.	grad. c.	3				
-- 10 --							② silty mud		
-- 20 --				massive					
-- 30 --									
-- 40 --									
-- 46 --				grad. c.			46		
-- 50 --		clay	M.S.	massive	3		① MUD		
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

Piscuit

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: MAGN	Date: 12/DEC/2011
		Avg.	Max.						
-- 0 --							S.A.A.		
-- 10 --									
-- 20 --									
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --									
-- 60 --	10Y5/1	Clay	M.S.	Color. C massive	3		60 ① mud		
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 120 --	10Y4/1	Clay	M.S.	Grad. C massive	3		121 ② SILTY MUD		
-- 130 --									
-- 140 --									
-- 140 --	10Y4/1	Very fine sand	M.S.	Grad. C M.S.	3		139 141-142 crack. ③ SILTY SAND		
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: Masm	Date: 12/DEC/2011
			Avg.	Max.						
-- 0 --					Bio. C			S.A.C.A. - 2		Shell fragments
		10Y4/1	Clay	M.S.	massive	3				
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --	Biscuit				71					
-- 80 --		10Y4/1	V.F.S.	M.S.	Grad. C normal grading			81		
-- 90 --					massive 94	97				shell fragments
-- 100 --		10Y4/1			Bio. C			100		
										sand-filled burrows
-- 110 --			Clay	M.S.				109		
					massive	3				
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

28X6A

1719

	Drilling disturb.	Color	Grain-size		Sed. / struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --									yaem	12/17/2011
-- 10 --								S A A		
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --					Grad. c.					
-- 55 --	Biscuit	5G44/1	clay	M. s		3		⊙ mud		
-- 60 --					massive					
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --									(more site)	
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

28X7A

1 + 20



	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --		3								
-- 10 --		10Y3/1								
-- 20 --										
-- 30 --										
-- 40 --	Biscuit							30		
-- 50 --								42		
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

30
↕
42
chondrites

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



	Drilling disturb.	Color	Grain-size		Sed. / struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --		10Y3/1	clay	M.S.	massive	3		⊕ mud	nasu	12/DEC/2011
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --	Biscuit									
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

29x4A

25

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
	10Y 4/1			10 normal grady massive			S.A.d.	mpm	12/5/2011
				25			35 (more sand.)		
		clay	m.s	Grad. C 50 Inverse grady			46 ② SILTY MUD		
				60			56 (more sand)		
		V.F.S.	m.s	Grad. C			61		
		Clay	M.S.	Sharp. C massive Grad. C			62 ③ SILTY SAND ① MUD		
				65			65 ② SILTY MUD		
Piscuit									
		clay	M.S.	massive					
							107 110 shell fragments		
							119 scaphopod		
				138 Grad. C			142		
		Very Fine Sand	M.S.	normal grady 141			③ SILTY SAND		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

29X7A

1-28

29X7A

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.					mpm	12/DEC/2011
-- 0 --										
-- 10 --		lot f/1						⊙ mud S.C.S.		
-- 20 --										
-- 30 --		Biscuit								
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										



MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

29XCC

17-29

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --										
-- 10 --		10Y 4/1								
-- 20 --	Piscent									
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

S.C.C.

Piscent

10Y 4/1



MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

30X2A

1731

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
-- 0 --							S. c. c. c.	MPSU	12/DEC/2011
-- 10 --									
-- 20 --									
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --	Biscuit								
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

Biscuit

88
10GY
4/1

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

30x4A

1733

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --									MASU	12/DEC/2011
-- 10 --								9 pyritized burrow		
-- 20 --										
-- 30 --								30 pyritized burrow		
-- 40 --								33 pyritized burrow		
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

Biscuit

Sol. cd.

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

30x 5A

1734

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
-- 0 --								MDSM	12/DEC/2011
-- 10 --									
-- 20 --									
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --	Biscuit								
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --	10Y 4/1	Clay	M.S.	normal grading ↑ 110 Grad. C ↓ 121			② SILTY MUD		
-- 130 --				massive					
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U1387B

30X CC.

1xg'z

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --		10Y4/1	clay	M.S.	massive	3.			APSM	12/DEC/2011
-- 10 --	Biscuit									
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										



MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: man	Date: 12/DEC/2011
		Avg.	Max.						
-- 0 --	10Y4/1	clay	M.S.				① mud		
-- 10 --									
-- 20 --									
-- 30 --									
-- 40 --					3				
-- 50 --				massive					
-- 60 --									
-- 70 --	Biscuit								
-- 80 --							81-82 shell fragments		
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --	10Y4/1	clay	M.S.	normal grading 110 Grad. C 126			② SILTY mud		
-- 130 --					3				
-- 140 --				massive					
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

31X2A

1739

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
-- 0 --								MAC	12/DEC/2011
-- 10 --									
-- 20 --									
-- 30 --				massive					
-- 40 --					3				
-- 50 --									
-- 60 --				58					
-- 70 --	Biscuit			inverse grading					
-- 80 --				Grad. C			80		
-- 85 --	5G41	clay	M.S	82	3		② MUD		
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

31X3A

7740

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: MAM	Date: 12/DEC/2011
			Avg.	Max.						
--0--		10Y4/1								
--10--										
--20--										
--30--		10Y4/1	clay	M.S.	normal grading	3		28		② SILTY MUD
--40--										
--50--		10Y4/1	very fine sand	M.S.	massive	3		44		③ SILTY SAND
--60--					Sharp.C.					
--70--	Biscuit	10Y4/1	clay	M.S.	massive	3		60		① MUD
--80--										
--90--										
--100--										
--110--			clay	M.S.	normal grading	3		106		② SILTY MUD
--120--					Grad.C					
--130--			Very Fine sand	M.S.	massive	3		121		③ SILTY SAND
--140--										
--150--										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

31X5A

.492

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --									MACM	12/DEC/2011
-- 10 --								SCAA		
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --		10Y 4/1	clay	M.S.	maximal	3		⊙ mud		
-- 60 --										
-- 70 --										
-- 80 --	Biscuit									
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --								119 pyritized burrow ϕ 0.5		
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

31X7A

1/11/11

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.					Maam	12/22/2011
-- 0 --										
-- 10 --								Small shell fragments All Along the section		
-- 20 --										
-- 30 --		10Y 4/1	Very fine sand	M.S.	massive	3				
-- 40 --	Biscuit									
-- 50 --										
-- 60 --					Grad.			63		
-- 70 --		10Y 4/1	clay	M.S.	massive	3		⊕ mud		
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U1387U

31XCC

1745



	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --									masu	12/DEC/2011
-- 10 --								S.S.S.		
-- 20 --										
-- 30 --		Biscuit								
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --		10Y 4/1	Clay	M.S.	4				MAGM	12/DEC/2011
-- 10 --						3		② SILTY MUD (slightly silty)		
-- 20 --										
-- 25 --										
-- 30 --	Biscuit		Clay	M.S.	inverse grading					
-- 40 --					40					
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
-- 0 --							S ₀ A.A.	apsu	12/08/2011
-- 10 --									
-- 20 --									
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --	10x4/1	clay	M.S.	Grad. C			LS MUD		
-- 80 --	Biscuit			massive	3				
-- 90 --									
-- 100 --									
-- 110 --							105 sand-filled burrow		
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

32X3A.

748.

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --		10GY 4/1						S.S.S.	MAM	12/DEC/2011
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --	Biscuit									
-- 90 --										
-- 100 --					Grad.C.					
-- 102 --		10Y 4/1	Clay	M-S		3		102 ② SILTY MUD		
-- 110 --										
-- 120 --					massive					
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
				Grad. C			5000	mpsu	12/DEC/2011
-- 0 --							5000		
	10Y4/1	Clay	M.S.				4 ① mud		
-- 10 --									
-- 20 --					3				
-- 30 --			massive →						
-- 40 --									
-- 50 --									
-- 60 --				59 ↑ Grad. C			63		
		Clay	M.S.	65 ↓			② SILTY mud		
-- 70 --			massive →						
-- 80 --									
-- 90 --				88 ↓ Grad. C			90		
		Clay	M.S.	99 ↓			④ mud		
-- 100 --			massive →						
-- 110 --									
-- 120 --				Grad. C			122		
		Clay	M.S.				⑤ SILTY mud		
-- 130 --			massive →						
-- 140 --				Grad. C			137		
		Clay	M.S.				① mud		
-- 150 --			massive →						

Piscuit

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

32x6A

1751

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
-- 0 --							S.O.D.D.	MPSU	12/10/2011
	10x 4/1	Clay	M.S.	massive	3		4 ② sand-filled burrows SILTY MUD		
-- 10 --							25		
-- 20 --									
-- 30 --				grad. c			30		
		Clay	M.S.				① MUD		
-- 40 --									
-- 50 --					3				
				massive					
-- 60 --									
-- 70 --									
	Biscuit								
-- 80 --									
-- 90 --							91		pyritized burrow
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
	10x4/1								
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

32x7A 1752

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --		10Y4/1							MASU	12/DEC/2011
-- 10 --								S.S.S.		
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

Biscuit

crack

75
80

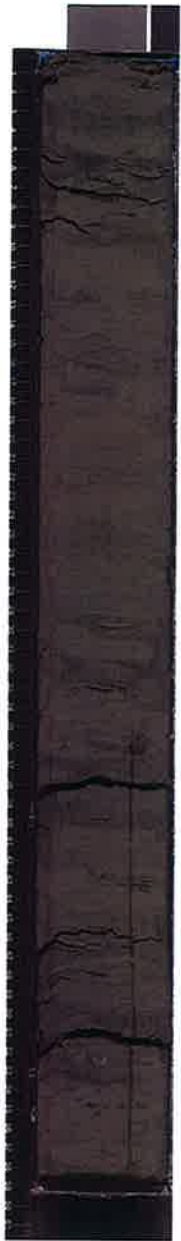
crack.

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

32X8A 1753



	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --									msm	12/DEC/2011
-- 10 --								S S A.		
-- 20 --										
-- 30 --										
-- 40 --		Biscuit								
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

39XCC 1754



	Drilling disturb.	Color	Grain-size		Sed. / struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --								S.S.S.	MacM	12/DEC/2011
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

339-339P-1A
11-27-06
11/27/06

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --		OLEY ₁							CR	13/12/11
8 -		10g								
11 -		4/1			massive ↓	B1 =2				
-- 10 --	Disurb ↓							- 8: shells - frags - 11: shell frag		
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

33x 2A

17-6

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --									CR2	13/12/11
-- 10 --								Same as above		
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
63 69 -- 70 --								68 69 shell frags		
-- 80 --										
-- 90 --										
-- 100 --										
105 -- 110 --								105: forams		
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

33x 3A

1757

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --									(R)	13/12/11
8								Same as above few shell frags.		
-- 10 --								-8: shell frag.		
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
55								-55: Forams		
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
93								-93: Forams		
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

5A 33x4A 1758

Drilling disturb.	Color	Grain-size		Sed. / struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					UR	13/12/11
-- 0 --							Same as above Forams present		
-- 10 --									
-- 20 --									
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --									
66 67							66-67 Py b.		
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

33x SA 1759

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
-- 0 --							Same as above ; Forams present.	C12	13/12/11
5							-5: Shell frag.		
-- 10 --									
12							-12: Shell frag.		
-- 20 --									
27							-27: Py b.		
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --						-60 SS			
-- 70 --									
-- 80 --									
83							-83: Py b.		
-- 90 --									
-- 100 --									
114							-114: Py b.		
-- 110 --									
-- 120 --									
122							-120 > shell frags. -122		
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

339 6A

760

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --									GR	13/12/11
7								Same as above. Forams present - 7: shell frags		
-- 10 --										
-- 20 --										
-- 30 --										
32								- 32: Py b.		
-- 40 --										
-- 50 --										
52								- 52: Py b.		
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
95										
96								- 95 - 96 > shells frags		
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
148								contact: gradual Silty mud shells frags		
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

33x ~~BA~~ 7A

1761

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --	↓ ↓	OLEY, 10g 4/1			massive ↓	B1 =2 ↓		Silty mud Abundant shell frags. Forams present	CR	13/12/11
-- 10 --										
-- 20 --										
24										
28										
-- 30 --						28 SS		shells frags.		
31										
-- 40 --										
-- 50 --										
59										
-- 60 --								shells frags.		
63										
-- 70 --										
-- 80 --										
-- 90 --										
99										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

24
31 } shells frags.

59
63 } shells frags.

-99: Gastropode shell (intact)

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

33x BA

1702

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --									CR	13/12/11
-- 10 --								Same as above Forams present		
15								-15 shells frags.		
-- 20 --										
26								-26 shells frags		
27								-27 shells frags		
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

33x CC

7-03



	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --								Same as above	R	3/12/11
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

U1387B - 34X - 1A

Expedition 339: Mediterranean Outflow

U1387B

34X1A

1764

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/13
		Avg.	Max.						
-- 0 --	2.5Y 4/1	clay	m. sand	massive	BZ 2		mud (type 1) ↳ foram present		
-- 10 --									
-- 20 --									
-- 30 --									
40									
-- 40 --	color change. ↓ 10Y 4/1	clay	m. sand	massive	BZ 2		mud (type 1) ↳ foram present		
-- 50 --							49) Py burrows 50		
-- 60 --							56, Py burrow		
-- 70 --							71 foram patch (0.5m)		
-- 80 --							74 foram patch (0.5m)		
-- 90 --									
-- 100 --									
102									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/13
		Avg.	Max.						
-- 0 --							Same as above 5. foram patch (1mm)		
-- 10 --							19. foram patch (2mm)		
-- 20 --							22. P _y burrow		
-- 30 --							29. foram patch? (4mm)		
-- 40 --							40. foram patch (2mm)		
-- 50 --							59 P _y burrow		
-- 60 --							67. shell fragment		
-- 70 --							77. foram patch (2mm)		
-- 80 --							88. foram patch (1mm)		
-- 90 --									
-- 100 --									
-- 110 --							112. foram patch (1mm)		
-- 120 --									
-- 130 --							132. P _y burrow 134. shell fragments (~1mm)		
-- 140 --									
-- 150 --									

Biscuit

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/13
		Avg.	Max.						
-- 0 --							<u>Same as above</u>		
-- 10 --									
-- 20 --							18. Py burrow		
-- 30 --									
-- 40 --							42. shell fragment (1mm)		
-- 50 --							52. Py burrow		
-- 60 --							57. foram patch (2mm)		
-- 70 --									
-- 80 --							78. shell fragment (5mm)		
-- 90 --									
-- 100 --							86. shell fragments (~1mm)		
-- 110 --							99. foram patch (2mm)		
-- 120 --							107. foram patches (~1mm)		
-- 130 --							110. Py burrow		
-- 140 --							121. foram patch (2mm)		
-- 150 --							126. shell fragments (~1mm)		
							144. shell fragment (1mm)		
							146. shell fragment (2mm)		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/13	
			Avg.	Max.							
-- 0 --	Biscuit							Same as above			
9.											
-- 10 --	Biscuit	GLTI 10Y 4/1	silt	m. sand.	massive (bottled)	BI 2		silty mud (type 2) ↳ foram present			
-- 20 --											19. foram patch
-- 30 --											36. shell fragment (1mm)
-- 40 --	Biscuit										
-- 50 --											51. shell fragment (1mm) 53. foram patch (2mm)
-- 60 --											60. S.S. 62. foram patch (1mm)
65	Biscuit	10Y 4/1	clay	m. sand.	massive	BI 2		mud (type 1) ↳ foram present			
-- 70 --											68. foram patch (2mm) 69. shell fragment (1mm) 76. shell fragments (~2mm)
-- 80 --	Biscuit	10Y 4/1	silt	m. sand.	massive (bottled)	BI 2		silty mud (type 2) ↳ foram present			
-- 90 --											
-- 100 --											
-- 110 --	Biscuit										
-- 120 --											112. shell fragment (2mm) 122. shell fragment (1mm)
-- 130 --	Biscuit				gradational contact						
134											
-- 140 --	Biscuit	10Y 4/1	fine sand	m. sand.	massive (bottled)	BI 2		silty sand (type 3) ↳ foram present			
-- 150 --											136. shell fragment (4mm)

Depth	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --								Same as above	ST	2011 12/13
Biscuit -- 10 -- 13					gradational contact		SS	8. shell fragments (~1m)		
-- 20 --		10Y 4/1	Silt	h. sand	massive			Silty mud (type 2) L foram present		
Biscuit -- 30 --										
-- 40 --					gradational contact			39. shell fragments (~2m)		
50 -- 50 --										
Biscuit -- 60 --		10Y 4/1	clay	h. sand	massive			mud (type 1) L foram present		
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --								149 shell fragment (1m)		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

01387B 34X 6A

1770

Depth	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/13
			Avg.	Max.						
0										
10										
20										
30										
40										
46										
50	Biscuit	10Y 3/1	clay	m. sand	massive	BZ 2				
60										
70										
80										
90										
100										
110										
120										
127										
130										
140										
150										

Biscuit

color change

gradational contact

Same as above

14. foram patch (1mm)

25. shell fragment (1mm)

41. shell fragments (2mm)

mud (type 1) - only color change

90

dispersed foram patch (~2mm)

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/13
			Avg.	Max.						
-- 0 --								Same as above		
-- 10 --								- 15. Py burrow		
-- 20 --								- 20 - 24. foram patch (2mm)		
-- 30 --										
-- 40 --								- dispersed foram patch (~1mm)		
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
123										
-- 130 --										
-- 140 --										
-- 150 --										

Biscuit



MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

01387B 34x CCA

(111)

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/13
			Avg.	Max.						
-- 0 --								Same as above dispersed forampatch (~1m)		
-- 10 --										
-- 20 --										
-- 30 --										
32			PAL							
38										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										



MAJOR LITHOLOGY:

MINOR LITHOLOGY:

U1387B - 35x-1A

Expedition 339: Mediterranean Outflow

U1387B 35x 1A

(1772)

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
	GLEYS (0Y4/)	Silt	Very fine sand (foram)	Mottled ?	BT-2		Type 2. Silty mud	NN	13/Dec/2011
	Biscuits						20-23 } Foram patches		
							↓ Void		
							Void ↑		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
								NU	13/Dec/2011
--0--							Type 1: Mud continued from 2 ft		
--10--	GLY1 (0Y4/1)	Silt	Silt	Gradational contact Mottled?	BI:2		Type 2: Silty mud		
15				Sharp contact					
--20--	GLY1 (0Y4/1)	Clay	Fine Sand (foram)	partly bioturbated	BI:2		Type 1: Mud		
--30--									
--40--				Mottled?					
--50--									
--60--							59 Py burrow		
--70--									
--80--							76 Shell fractions		
							81 Py burrow		
--90--									
--100--							100 Shell fractions		
--110--									
--120--									
--130--									
--140--							117 Py burrow		
--150--									

Biscuits

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --								Type 1: Mud	NN	13/Dec/21
								continued from 4A		
-- 10 --								-11 Py burrow		
								-14]		
-- 20 --								-18 Foram patch		
								-25 Py burrow		
-- 30 --										
-- 40 --								-41] Py burrow		
								-42]		
-- 50 --								-50 Foram patch		
								-51 Py burrow		
-- 60 --										
								-62] Py burrow		
								-66]		
-- 70 --										
-- 80 --								-80 Shell fractions		
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --								-147 Shell fractions		

Biscuits

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U 1387B 35X 6A

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.					U U	13/Dec/2011
-- 0 --								Type 1: Mud continued from 5A		
-- 10 --								12 Shell fragments		
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --								61 Py burrow		
-- 70 --								70 Shell fragments		
-- 80 --								77 ↓ 88 Foram patches		
-- 90 --										
-- 100 --								101		
-- 110 --								116	} Shell fragments	
-- 120 --								119		
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.					NN	13/Dec/2011
-- 0 --								Type 1 = Mud	continued from 6/1	
-- 10 --								-10 Foram patches		
-- 20 --										
-- 30 --								-31 } Foram patches -33 }		
-- 40 --					Gradational contact			Type 2: Silty mud		
-- 50 --	Biscuits	Grey 10Y4/1	Silt	Fine Sand (foram)	Mottled ?			-48 } Foram patches -54 } -56 }		
-- 60 --										
-- 70 --										
-- 80 --								-77 } Foram patches -80 }		
-- 90 --								-90.5 Py burrow		
-- 100 --	102									
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --									NN	13/Dec/11
								Type 1: Mud		continued from SA
-- 10 --										
-- 20 --										
	Biscuits									
-- 30 --										
-- 40 --										
-- 47 --										
-- 49 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										



MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/13
		Avg.	Max.						
-- 0 --	10Y 4/1	clay	lt sand	massive	BI 2		mud (type 1) ↳ foram present		
-- 10 --									
-- 20 --									
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --							69. foram patch (lum)		
-- 70 --	Biscuit						76. foram patch (lum)		
-- 80 --									
-- 90 --									
-- 100 --							105. foram patch (lum)		
-- 110 --									
-- 120 --							125. P. burrow		
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/13
			Avg.	Max.						
-- 0 --								Same as above		
								4 Py burrow		
-- 10 --								13. Py burrow		
-- 20 --								20. shell fragment (2mm)		
								25. shell fragment (2mm)		
-- 30 --								31. Py burrow		
-- 40 --										
-- 50 --								53. foram patch (2mm)		
-- 60 --								62. shell fragment (1mm)		
								63. Py burrow		
								68. Py burrow		
-- 70 --										
	Biscuit									
-- 80 --								82. foram patch (1mm)		
								83 shell fragment (2mm)		
-- 90 --										
								97. Py burrow		
-- 100 --								98. Py burrow		
-- 110 --								106. foram patch (1mm)		
								110 foram patch (2mm)		
-- 120 --										
-- 130 --										
-- 140 --										
								144. shell fragment (1mm)		
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/13
			Avg.	Max.						
-- 0 --								1. Same as above		
-- 10 --								7. shell fragments (~1mm)		
								12. Py burrow		
-- 20 --										
								25. Py burrow		
-- 30 --										
-- 40 --										
								46. Py burrow		
-- 50 --								51. Py burrow		
								57. shell fragment (2mm)		
-- 60 --								66. shell fragment (2mm)		
								73. shell fragment (1mm)		
-- 70 --										
								83. shell fragment (2mm)		
-- 80 --								87. shell fragments (~0.5mm)		
								95. shell fragments (~1mm)		
-- 90 --										
								104. foram patch (1mm)		
-- 100 --										
								127. shell fragments (~3mm)		
-- 110 --										
								137. shell fragment (3mm)		
-- 120 --										
								147. shell fragment (3mm)		
-- 130 --										
-- 140 --										
-- 150 --										


Bisquit

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/13
		Avg.	Max.						
-- 0 --							Same as above - 5. shell fragment (3mm)		
-- 10 --									
-- 20 --							- 25 shell fragment (3mm)		
-- 30 --							- 31. shell fragments (~1mm)		
-- 40 --							- 39. shell fragment (1mm)		
-- 50 --							- 47 - 48] - shell fragments (~3mm) - 51 shell fragment (1mm)		
-- 60 --									
-- 70 --							- 70. shell fragments (~1mm)		
-- 80 --							- 75 S.S - 76. shell fragment (1mm) - 82, P ₂ burrows		
-- 90 --									
-- 100 --							- 96 P ₂ burrow		
-- 110 --							- 112 P ₂ burrow - 114. shell fragments (~1mm)		
-- 120 --							- 121 - 123] P ₂ burrow - 125. shell fragments (~3mm)		
-- 130 --							- 132. P ₂ burrow - 136. P ₂ burrow		
-- 140 --									
-- 150 --									

Biscuit

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: ST	Date: 2011 12/13
		Avg.	Max.						
-- 0 --							same as above		
							5. shell fragments (~1mm)		
-- 10 --							10. shell fragment (3mm)		
-- 20 --							29. shell fragment (~1mm)		
-- 30 --									
-- 40 --							44. shell fragment (2mm)		
-- 50 --							55. shell fragments (~2mm)		
-- 60 --									
-- 70 --							79. place of sediment? 		
-- 80 --							80. shell fragments (~2mm)		
							84. foram patches (~1mm)		
-- 90 --							dispersed foram patches (~3mm)		
							96. shell fragment (3mm)		
-- 100 --									
101									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U 1389B 36X 01 (1787)

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/13
		Avg.	Max.						
-- 0 --							1. same as above		
							2. 4. shell fragments (~1mm)		
-- 10 --							12. shell fragment (1mm)		
-- 20 --							22 shell fragments (~3mm)		
							23 shell fragment (1mm)		
-- 30 --							31 P ₂ burrow		
37									
-- 40 --							1. silty mud (type 2)		
							2. foram present		
							38. shell fragment (2mm)		
							43. foram patches (~2mm)		
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

U1387B 36X CCr

(1788)



Drilling disturb.	Color	Grain-size		Sed. / struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
-- 0 --							save as above 9. foram patch (1m) 11. foram patch (1m)	SF	2011 12/13
Biscuit									
13-10--									
18	PAL								
-- 20 --									
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY: