U1387C - 40R - 1A

Expedition 339: Mediterranean Outflow

1387 C 40R 1A

Drilling disturb.	Color	Grain-size Avg.	Grain-size Max.	Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: Masu	Date: 15/DEC/2011
slow in (?)	10Y4/1	silt	M.S	Massive (?)	2 (?)		② SILTY MUD		
							28		
	10Y4/1	clay	M.S	Parallel laminar	2		① MUD		
				sharp C			46		
	10Y3/1						③ SILTY SAND		slump.
biscuit				Contorted strata	3		56 ✓ shell fragment		
		Fine sand	granule				78		
					2		residue by 10% HCl → composition: Quartzite >80~90%; Low-grade metamorphic rock fragments approx. 10%; others ? ⇒ Recycled sediments; ✓ rounded quartzite; ✓ shell fragments; 88 bivalve; texture bi-modal → coarse: coarse-grained sand to granule; fine: v.f~f-grained sand		more gravel
	107								
	10Y3/1	silt	M.S.	sharp C	3		118 ② SILTY MUD		
undisturbed				Contorted strata			136 shell fragments		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

4082A 2096

Depth	Drilling disturb.	Color	Grain-size Avg.	Grain-size Max.	Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: MASU	Date: 15/DEC/2011
0–10					Sharp. C			9 — ③ SILTY SAND		
10–20	Und. turbance,	10Y4/1	clay	M.S.	Inclined strata.					
20–30										
30–40										
40–50	biscuit									
50–60						2		59 — ③ SILTY SAND		Slump
60–70	UD		fine sand	M.S.	Grad. C / Parallel lamina	2				
70–80		10Y4/1								
80–90										
90–100	biscuit				C. C			101 — ① MUD		
100–110	UD	10Y3/1	clay	M.S.	Parallel lamina	Z				
110–120		10Y4/1	Very fine sand	M.S.	C.C massive / sharp.C	Z		111 — ② SILTY MUD; 114 — ③ SILTY SAND		
120–130	biscuit	10Y4/1	Very fine sand	M.S.	normal grading	Z				
130–140	UD	10Y4/1	silt	M.S.	Grad. C / Parallel lamina	Z		135 — ② SILTY MUD		
140–150										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

40R 3A

2047

Drilling disturb.	Color	Grain-size Avg.	Grain-size Max.	Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: masu	Date: 15/DEC/2011
				?					
	10Y4/1	clay	M.S	Contorted strata.			① MUD		
					2				
				Curved contact.			30		
	10Y4/1	clay	M.S		2		① MUD		
				Parallel lamina					
undisturbance									
				Sharp.C			95		
	10Y3/1	clay	M.S		2		① MUD		
				Parallel lamina					
				Sharp.C			121		
	10Y3/1	clay	M.S.	contorted strata.	2		① MUD		
				Inclined C.			127		
	10Y4/1	clay	M.S		2		① MUD		
				Parallel lamina.					

-- 0 -- -- 10 -- -- 20 -- -- 30 -- -- 40 -- -- 50 -- -- 60 -- -- 70 -- -- 80 -- -- 90 -- -- 100 -- -- 110 -- -- 120 -- -- 130 -- -- 140 -- -- 150 --

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

40R4A

2048

	Drilling disturb.	Color	Grain-size Avg.	Grain-size Max.	Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: MASN	Date: 15/DEC/2011
-- 0 --		10Y 4/1	clay	M.S	Inclined lamina	2		① MUD		
-- 10 --					sharp. C			13 ① MUD; pyrite vein 7–16		
-- 20 --					wavy lamina	2		thin laminated layers of lighter and darker greenish mud.		
-- 30 --							SS 30cm	30 cm: Mud with biogenic carbonate		
-- 40 --		10Y3/1								
-- 50 --	undisturbance	10Y3/1			sharp. C	2		53 ① MUD; pyrite vein 45–56		
-- 60 --										
-- 70 --					Parallel lamina			pyrite vein 64–69		
fault -- 80 --								72-76 fault.		
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --								122-123 black-colored band.		
-- 130 --					sharp. C			135 ① MUD; pyrite vein 128		
-- 140 --		10Y4/1			wavy lamina; sharp. C			141 ① MUD		
-- 150 --					Parallel lamina					

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

40R5A

2049

	Drilling disturb.	Color	Grain-size Avg.	Grain-size Max.	Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: Mam	Date: 15/Dec/2011
-- 0 --		10Y3/1	clay	M.S.	massive	2		SAA		
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --	undisturbed									
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --		10Y4/1	clay	M.S	sharp. massive	2		① MUD		
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

40R 6A

KU50

Drilling disturb.	Color	Grain-size Avg.	Grain-size Max.	Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: MASH	Date: 15/DEC/2011
							SAA		
Undisturbance	1044/1	Fine sand	M.S.	Parallel lamina			3 ③ SILTY SAND		
		very fine sand	M.S		2				
Disturbance									
Undisturbance	1044/1	silt	M.S.	P.O.C massive	3		52 ② SILTY MUD		
	1044/1	Very fine sand	M.S.	P.O.C massive	2 66 22		58 ③ SILTY SAND 68 cm: Silty sand with biogenic carbonate		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow

TOP CC (A) 2051

	Drilling disturb.	Color	Grain-size Avg.	Grain-size Max.	Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: magn	Date: 15/DEC/2011
-- 0 --								S.A.A.		
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY: