

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
--0--		2.5Y 5/4							MAM	27/DEC/2011
--10--								② SILTY MUD (slightly sandy) Brownish - reddish.		
--20--			stc	M.S.		2		slightly sandy		
--30--										
--40--										
--50--							48			
--60--	undisturbed	2.5Y 4/1			mottled.	3				
--70--										
--80--							83			
--90--										86-88cm sand-filled burrows
--100--										
--110--							2			
--120--										
--130--										
--140--										
--150--										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: MASM	Date: 27/DEC/2011
		Avg.	Max.						
-- 0 --							② SILTY MUD Brownish-leadish		
-- 10 --	2.5Y 5/1			mottled			sand-filled burrows		
-- 20 --		silt	M.S.		3				
-- 30 --									
-- 40 --									
-- 45 --				grad. contact					
-- 50 --	2.5Y 5/1						① MUD -54-55 cm scapophod fragment.		
-- 60 --	undisturbance	clay	M.S.		2				
-- 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: MAMM	Date: 27 DEC 2011
		Avg.	Max.						
-- 0 --							① MUD		Brownish-red-dish
-- 10 --	2.5Y 5/1								
-- 20 --									
-- 30 --									
-- 40 --		clay	M.S.						
-- 50 --									
-- 60 --	undisturbance								
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --				Grad. c.					
-- 120 --	2.5Y 5/1	clay	M.S.				② SILTY MUD		
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: Mason	Date: 27 Dec 2011
		Avg.	Max.						
-- 0 --	10Y 4/1						more sandy		
-- 10 --		clay	M.S.		2		② SILTY MUD		
-- 20 --					23				
-- 26 --				B.o.C.	3				
-- 30 --					32				
-- 32 --							③ SILTY SAND		
-- 40 --	10Y 4/1	v.f.s.	M.S.				dispersed small shell fragments.		
-- 50 --					1				
-- 60 --				sharp. c.			60.5 ~ 60.8 Small shell fragments at base		60.8
-- 70 --									
-- 75 --	10Y 4/1	clay	M.S.		2		② SILTY MUD		
-- 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 --	<i>undisturbed</i>							<i>S/A</i>	<i>MAR</i>	<i>27 Dec / 2011</i>
-- 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: YASU	Date: 27/DEC/2011
		Avg.	Max.						
-- 0 --	2.5Y 4/1	clay	M-S				② SILTY MUD		
-- 10 --							Small shell fragments.		
-- 20 --				20					
-- 30 --				Mottled.	3				
-- 40 --									
-- 50 --				47					
-- 60 --	undisturbance			Grad c			60		
-- 70 --		clay	M-S				① MUD		
-- 80 --						2			
-- 90 --									
-- 100 --				Grad.			102		
-- 110 --		clay	M-S		2		② SILTY MUD		
-- 120 --		v-f.s.	M-S	Bio.			114		
-- 130 --					2		③ SILTY SAND few shell fragments.		
-- 140 --				Bio.C			137		
-- 150 --		clay	M-S		2		② SILTY MUD		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: MASM	Date: 27/Dec/2011
			Avg.	Max.						
-- 0 --		2.5Y 4/1						② SILTY MUD		
-- 10 --			clay	M.S.		2		very small shell fragments all along the section		
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --	undisturbed									
-- 70 --					Grad. c.					
-- 74 --										
-- 80 --		2.5Y 4/1						① MUD (more reddish)		
-- 90 --			clay	M.S.		2				
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 145 --					Very Gradual c.					
-- 150 --		2.5Y 4/1	clay	M.S.		2		③ SILTY MUD		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: Max	Date: 27 Dec 2011
			Avg.	Max.						
-- 0 --										
-- 10 --			clay	M.S.		2				
-- 20 --		25Y R1								
-- 30 --										
-- 40 --										
-- 50 --					Mottled					
-- 60 --										
-- 70 --	undisturbance									
-- 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: MAGM	Date: 27 DEC 2011
			Avg.	Max.						
-- 0 --										
-- 10 --								SAA		
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --		undisturbance								
-- 90 --										
-- 100 --										
-- 110 --							3			
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					Malm	27/Dec/2011
-- 0 --							SAA		
-- 10 --									
-- 20 --									
-- 30 --									
-- 40 --					3				
-- 50 --									
-- 60 --				-----60					
-- 70 --	undisturbance								
-- 80 --									
-- 90 --				Method.			90-93 : vertical scaphopod.		
-- 100 --							101-102 : vertical scaphopod		
-- 110 --							109 : shell fragments		
-- 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 --		25Y 4/1						SAA	MAM	27 DEC 2011
-- 10 --										
-- 20 --										
-- 30 --					noted	3				
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

undisturbance

↑  
sand-filled burrows  
↓

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: MGM	Date: 27 DEC 2011	
			Avg.	Max.							
-- 0 --								S.S.S.			
-- 10 --											
-- 20 --											
-- 30 --											
-- 40 --											
-- 50 --	undisturbance.										
		2.5Y 5/1	clay	M.S.	normal a Grad. c.	3		52	normal grading	① MUD	
		2.5Y 4/1	v.f.s.	M.S.		2				③ SILTY SAND	58
-- 60 --											
	2.5Y 4/1	clay	M.S.	Sharp. c.	3		59		② SILTY MUD		
-- 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: MAGN	Date: 27/Dec/2011
		Avg.	Max.						
-- 0 --							S S S		
-- 10 --									
-- 20 --									
-- 30 --							-27 shell fragment		
-- 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.					MAGM	27/Dec/2011
-- 0 --	25Y 4/1	clay	M.S				slightly reddish ② SILTY MUD		
-- 10 --							dispersed small shell fragmt. all along the section		
-- 20 --									
-- 30 --				Mottled					
-- 40 --					3				
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --									
-- 82 --							↑ large silt-filled burrow		
-- 88 --							↓		
-- 90 --				Grad.c			90		
-- 90 --		silt	M.S				④ SANDY MUD		
-- 100 --					3				
-- 110 --				sharp.c					
-- 110 --		clay	M.S				110		
-- 110 --				Mottled					
-- 110 --				Grad.c	3				
-- 120 --									
-- 120 --							119		
-- 120 --		silt	M.S				④ SANDY MUD		
-- 130 --									
-- 130 --					3				
-- 140 --									
-- 140 --							139: shell fragmt.		
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: <i>masu</i>	Date: <i>21/Dec/2011</i>
		Avg.	Max.						
--0--	<i>2.5Y4/1</i>			<i>bio. c.</i>	<i>3</i>		<i>S S S S</i>		<i>small shell fragments all along the section</i>
							<i>② SILTY MUD</i>		
--10--		<i>clay</i>	<i>M-S</i>				<i>Mottled</i>		
--20--									
--30--				<i>bio. c.</i>					
		<i>clay</i>	<i>M-S</i>				<i>① MUD</i>		<i>Mottled</i>
--40--				<i>bio. c.</i>					
		<i>clay</i>	<i>M-S</i>				<i>② SILTY MUD</i>		<i>Mottled</i>
--50--				<i>bio. c.</i>					
		<i>clay</i>	<i>M-S</i>				<i>① MUD</i>		
--60--				<i>bio. c.</i>					
		<i>clay</i>	<i>M-S</i>				<i>② SILTY MUD</i>		
--70--				<i>bio. c.</i>					
		<i>silt</i>	<i>M-S</i>				<i>④ SANDY MUD</i>		
--80--	<i>undisturbance</i>								
				<i>Irregular. c.</i>					
--90--							<i>② SILTY MUD</i>		
		<i>clay</i>	<i>M-S</i>				<i>Mottled</i>		<i>few small shell fragments</i>
--100--									
				<i>irregular. c.</i>					
--110--		<i>clay</i>	<i>M-S</i>				<i>① MUD</i>		
		<i>clay</i>	<i>M-S</i>	<i>irregular. c.</i>					
--120--				<i>irregular. c.</i>			<i>② SILTY MUD</i>		<i>Mottled</i>
							<i>① vertical scaphopod MUD</i>		
--130--		<i>clay</i>	<i>M-S</i>						
				<i>bio. c.</i>					
--140--							<i>② SILTY MUD</i>		
		<i>clay</i>	<i>M-S</i>	<i>bio. c.</i>					
--150--		<i>silt</i>	<i>M-S</i>				<i>③ SANDY MUD</i>		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: MAM	Date: 27/Dec/2011
		Avg.	Max.						
--0--	25Y 4/1				3		SOD		
--10--				Irregular			12		
--20--		clay	M.S.						⊙ SILTY MUD small shell fragments
--30--					3				
--40--									
--50--									
--60--									
--66--	undisturbance			bro.c.			66		
--70--		silt	M.S.						⊙ SANDY MUD small shell fragments
--80--									
--90--									
--100--									
--110--									
--120--									
--130--									
--134--				bro.c.			134		⊙ SILTY MUD
--140--		clay	M.S.		3				137-139 = vertical scaphopod
--142--				irregular			142		
--150--	✓	clay	M.S.		3				⊙ MUD

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: MAM	Date: 27 Dec 2011
		Avg.	Max.						
-- 0 --									
	254 411				3		Small shell fragments all along the section		
-- 10 --									
-- 20 --									
-- 30 --				bio. c.			30		
		Site	M.S						
-- 40 --									
-- 50 --									
-- 60 --	undisturbance								
-- 70 --				Irregular. C			74		
		clay	M.S						
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --	Fluidized?	clay	M.S	Bio. c.			117		
				Bio. c.					
-- 130 --	undisturbance	site	M.S				125		
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: MAM	Date: 27 DEC 2011
		Avg.	Max.						
	2.5 4/1				3		S.S.S small shell fragments all along the section		
undist.									
disturbance				bio.c			30 ② SILTY MUD		
undisturbance		clay	MS				63-65: small shell fragments		
undisturbance				very gradual c			80 ① MUD		
		clay	MS						
				bio.c			129 ③ SILTY MUD		
disturb?		clay	MS	bio.c			143 ④ SANDY MUD		
		silt	MS						

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: masm	Date: 27/Dec/2011
			Avg.	Max.						
-- 0 --										
-- 10 --								small shell fragments all along the section		
-- 20 --								SOS		
-- 30 --										
-- 40 --										
-- 50 --		undisturbance								
-- 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.						
								MAM	27/DEC/2011
							④ SANDY MUD		
	2.5Y 4/1	silt	MS		3		small shell fragments all along the section		
	undisturbance ↓			Pro. C					
		clay	MS		3		② SILTY MUD		
-- 0 --									
-- 10 --									
-- 20 --									
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --									
-- 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: <i>MAGW</i>	Date: 21 Dec 2011	
			Avg.	Max.							
-- 0 --	Flourish	2.5Y 4/1	clay	M.S.		3		② SILTY MUD Small shell fragments all along the section  mottled.			
-- 10 --											
-- 20 --											
-- 30 --											
-- 40 --	Undisturbance							↑ 34 ↓ 39 more mud.			
-- 50 --											
-- 60 --											
-- 70 --											
-- 80 --											
-- 90 --									↑ 80 ↓ 114 more sand		
-- 100 --											vertical scaphopod .112cm
-- 110 --											
-- 120 --											
-- 130 --											
-- 140 --											
-- 150 --											

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: MASU	Date: 28/Dec/2011
		Avg.	Max.						
-- 0 --							(reddish) Small shell fragments all along the section SSS		
-- 10 --	2.5Y 4/1								
-- 20 --									
-- 30 --		clay	M.S		3				
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --				Bio. C					
-- 84 --							84		
-- 90 --									
-- 90 --		silt	M.S		3		② SILTY MUD (very sandy)		
-- 100 --									
-- 110 --				Bio. C					
-- 110 --							110		
-- 120 --									
-- 120 --									mottled (sand-filled burrows) 119
-- 130 --		clay	M.S		3				
-- 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 4/1						SAD	MPM	28/Dec/2011
-- 10 --				(bio.c) Grad.c	3				
-- 20 --		clay	M.S	(bio.c) Grad.c			② SILTY MUD		
-- 30 --							④ SANDY MUD		
-- 40 --									
-- 50 --		silt	M.S						
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --				(bio.c) Grad.c					
-- 110 --		clay	M.S	(bio.c) Grad.c			② SILTY MUD		
-- 120 --							① MUD		
-- 130 --		clay	M.S				② echinoderm spine		
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:




Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
	2.5Y 4/1						Small shell fragments all along the section	masm	27/Dec/2011
							S.S.S.		
				Grad. C	3				
		silt	M.S				46 ① SANDY MUD		↓ more reddish.
				Bio. C			66		
		clay	M.S				② SILTY MUD		
				Bio. C			90		
		clay	M.S				① MUD (very sandy)		
				Grad. C			132		
		clay	M.S	Bio. C			② SILTY MUD		
		silt	M.S				137 ① SANDY MUD		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Domed

flow-in

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --		2.5Y 4/1						Sd.S	mpem	27 Dec 2011
-- 10 --					bio. C.	3		small shell fragments all along the section		
-- 20 --								② SILTY MUD -19-21: shell 		
-- 30 --			clay	M.S						
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --					Grad. C			① SANDY MUD		
-- 80 --			silt	M.S						
-- 90 --					Inclined. C.			② SILTY MUD		
-- 100 --			clay	M.S						
-- 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 --									mpm	27 Dec 2011
-- 10 --		2.5Y 4/1				3		S S S		
-- 20 --										
-- 30 --					grad. U					
-- 40 --		2.5Y 4/1	clay	M-S		2		34 ① MUD		
-- 50 --					C.C.					
-- 60 --		10Y 4/1	clay	M-S		2		① MUD		
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

reddish ↑  
 ↓  
 greenish

50

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
								MPSM	27/DEC/2011
-- 0 --							SAA		
-- 10 --	10Y 4/1				2				
-- 20 --									
-- 30 --									
-- 40 --	2.5Y 4/1	clay	M.S	odor. C			⊙ MUD		↑ greenish ↓ reddish
-- 50 --					2				
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

3069

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
-- 0 --	10% 4/1						S.S.S.	MJSM	27/DEC/2011
-- 10 --					2				
-- 20 --									
-- 30 --				(disturbance?) Irregular. C.					
-- 40 --	↓	st	M.S		2		⊕ SANDY MUD		
-- 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: MASW	Date: 27/DEC/2011
		Avg.	Max.						
--0--	10Y 4/1	clay	M.S.		2		① MUD Small shell frags. all along the section		
--10--									
--20--									
--30--									
--40--	✓			bio.C					
--43--									
--50--	2.5Y 4/1	clay	M.S.		3		② SILTY MUD (very sandy)		
--60--				marked					
--70--									
--77--				bio.C					
--80--		silt	M.S.		3		③ SILTY SAND		
--90--				bio.C					
--93--									
--100--		clay	M.S.	marked bio.C	3		③ SILTY MUD		
--101--									
--110--		clay	M.S.	marked	3		① MUD		
--114--				bio.C					
--120--		clay	M.S.		3		② SILTY MUD		
--130--									
--140--									
--150--									

undisturbed

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
							S.S.S.	masm	27/Dec/2011
				bio.C			10		
	2.5Y 4/1						⊕ MUD		
		clay	M.S.				small shell frags. all along the section.		
undisturbance									
							80 ↑ very silty		
							↓ 99		
		clay	M.S.	bio.C			⊕ SILTY MUD		
<del>crack</del>									
				bio.C			116		
		clay	M.S.				⊕ MUD		
U.d.									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. / struct. / contact	Bioturb.	Samples	Comments	Logged by: MOSM	Date: 21 Dec 2011
		Avg.	Max.						
-- 0 --							⊕ MUD		
-- 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: mas	Date: 21/12/2011
		Avg.	Max.						
	25Y 4/1				3		① SdSd		
		clay	M.S.				Small shell fragments all along the section		
				Grad.c			57		
							② SILTY MUD		
		clay	M.S.	Mottled.					
				Grad.c			110		
		clay	M.S.				① MUD		
				Grad.c			130		
		clay	M.S.				② SILTY MUD		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: MAS	Date: 27/Dec/2011
		Avg.	Max.						
							SdA		
					2		small shell fragments all along the section		
				Grad.C					
	2.5Y 4/1	clay	M.S.				21 ① MUD		
				Grad.C					
		clay	M.S.	grad.C			57 ② SILTY MUD		
							64 ④ SANDY MUD		
		silt	M.S.						
				Grad.C					
		clay	M.S.	Mottled			121 ③ SILTY MUD		
				grad.C					
							132 ④ SANDY MUD		
		silt	M.S.	Mottled					

undisturbance.

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
	25Y 4/1						SdA small shell fragments all along the section	masu	20/DEC/2011
undisturbance					2				
				bio.C			47		
		clay	M.S	mottled	2		② SILTY MUD -57↑ (very sandy) -57↓		
flow-in?				Grad.C			67		
		silt	MS		2		④ SANDY MUD		
				sharp c			84		
		clay	M.S		2		① MUD 96-98: echinoderm spine		
undisturbance									
					3		140 mottled.		
				bio.C			149		
		silt	M.S		2		④ SANDY MUD		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --									Mass	27/Dec/2011
-- 10 --								SAA small shell fragments all along the section		
-- 20 --					bio. C					
-- 30 --		25Y 4/1	clay	M.S	Matted			② SILTY SAND sand-filled burrows		
-- 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							YASU	21/Dec/2011
-- 10 --								S S A		↓ greenish
-- 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: <i>MASH</i>	Date: <i>27/Dec/2011</i>
		Avg.	Max.						
--0--	<i>10Y 4/1</i>	<i>clay</i>	<i>M.S.</i>		<i>2</i>		<i>① mud</i>		
		<i>silt</i>	<i>M.S.</i>		<i>3</i>		<i>④ SANDY mud</i>		
--10--									
--20--	<i>fall-in potentially</i>						<i>Small shell fragments all along the section</i>		
--30--									
				<i>irregular</i>			<i>reddish</i>		
--40--							<i>① mud (very silty)</i>		
--50--	<i>25Y 4/1</i>	<i>clay</i>					<i>mottled</i>		
							<i>53-57 py. sand-filled burrows</i>		
--60--									
--70--							<i>67 gastropod</i>		
--80--									
--90--	<i>mid-section base</i>								
--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 --									MAM	27/DEC/2011
-- 10 --		25Y 4/1	clay	MS.		Z		① mud  very small fragments all along the section.		
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

undisturbance

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --		25Y 4/1.							YAM	27/DEC/2011
-- 10 --								same as above.		
-- 20 --										
-- 30 --										
-- 40 --							2			
-- 50 --										
-- 60 --										
-- 70 --	undisturbed.									
-- 80 --										
-- 90 --										
-- 96 --					very gradual c					
-- 100 --		25Y 4/1	clay	M.S.				② SILTY mud		
-- 110 --							3			
-- 120 --										
-- 130 --										
-- 140 --										
-- 146 --										
-- 150 --										
								146 1 150		sand-filled burrows.

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
	10Y 4/1						S.S.A.	Maen	27/08/2011
					3		Small shell fragments all along the section		
				Gravel					
	10Y 3/1	silt	M.S.				52 ④ SANDY MUD		
				Bio.C					
	10Y 4/1	clay	M.S.				72 ② SILTY MUD Mottled.		
				Bio.C					
	10Y 3/1	silt	M.S.				90 ④ SANDY MUD mottled		
							114 117 very muddy		
							132: Gastropod.		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
--0--		10Y 8/1						MASU	27/Dec/2011	
--10--							SAD			
--20--										
--30--							small shell fragments all along the section			
--40--										
--50--										
--60--										
--70--										
--80--										
--90--										
--100--										
--110--										
--120--							Mottled			
--130--										
--140--										
--146--								146		
--150--								② SILTY MUD		

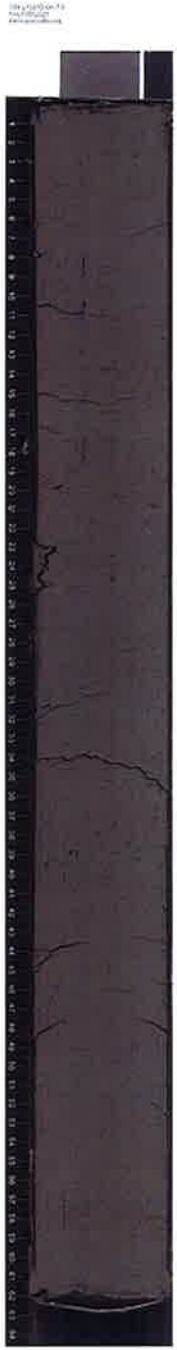
MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --		2.5Y 4/1	clay	M.S.		3				20/10/2011
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --	undisturbance									
-- 80 --		2.5Y 4/1	clay	M.S.	Very Gradational C.			58		
-- 90 --								① MS		
-- 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.A.A.	MAW	27 Dec 2011
-- 10 --									
-- 20 --									
-- 30 --	undisturbance								
-- 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 --								maen	27/Dec/2011
-- 10 --							SAD many cracks. (?)		
-- 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 --	Fall-in							MAGM	27/DEC/2011	
-- 10 --										
-- 20 --		2.54 4/1	clay	MS.			① mud (reddish.)			
-- 30 --										
-- 40 --										
-- 50 --							50-51cm: vertical scaphopod.			
-- 60 --							59-65cm: slightly silty			
-- 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 --	2.5Y 4/1	clay	MS		2		⊙ mud	man	27/08/2011
-- 10 --	10Y 4/1								
-- 20 --									
-- 30 --									
-- 40 --	2.5Y 4/1								
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --				very gradual C <sub>1</sub>			80		
-- 90 --		clay	MS	very gradual C <sub>2</sub>	2		⊙ silty mud (very muddy)		
-- 100 --		clay	MS		2		⊙ mud		
-- 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 4/1	clay	M-S.				SDD	MAPM	21/02/2011
-- 10 --							11-12 echinoderm spine		
-- 20 --									
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:



089



Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
-- 0 --	<i>unaltered bed</i>						<i>SdA</i>	<i>masu</i>	<i>21 Dec 2011</i>
-- 10 --									
-- 20 --									
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --									
-- 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: NN	Date: 28/Dec/2011
			Avg.	Max.						
--0--		2.5Y 4/1	Clay	Fine sand (Foram)	Massive	BI:2		Type 1: Mud • Foram present • Py burrow		
--10--										
--20--										
--30--										
--40--										
--50--								52 Py burrows		
--60--										
--70--	Undisturbed									
--80--										
--90--					Gradational Contact ↓					
95		2.5Y 4/1	Silt	Fine sand (Foram)	Massive	BI:3		Type 2: Silty mud • Foram present • Dispersed shell fragments		↑ Finning upward
--100--										
--110--										
115	Crack									
116					Gradational Contact ↓					
--120--										
126	2.5Y 4/1	Silt	Fine sand	Massive	BI:3		Type 2.5: Sandy mud			
129	2.5Y 4/1	Silt	Fine sand (Foram)	Massive	BI:3		Type 2: Silty mud			↑ Coarsening upward
--130--										
--140--										
--150--										
153										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: N N	Date: 29 Dec 2011
		Avg.	Max.						
							Type 2: Silty mud (same as above)		
4	2.5Y 4/1	Clay	Very Fine Sand (in brown)	Gradational contact	BI: 2		Type 1: Mud		
							<ul style="list-style-type: none"> <li>Dispersed shell fragments</li> <li>Foram present</li> </ul>		Coarsening upward
							57 scaphopod		
				Gradational contact					
89	2.5Y 4/1	Silt	Very Fine Sand	Massive	BI: 3		Type 2: Silty mud		
				Gradational contact			<ul style="list-style-type: none"> <li>Foram present</li> <li>Dispersed shell fragments</li> </ul>		Coarsening upward
92	2.5Y 4/1	Silt	Fine Sand	Massive	BI: 3		Type 2.5: Sandy mud		
							<ul style="list-style-type: none"> <li>Foram present</li> <li>Dispersed shell fragments</li> </ul>		
				Gradational contact					
129	2.5Y 4/1	Silt	Fine Sand (in brown)	Massive	BI: 3		Type 2: Silty mud		
							<ul style="list-style-type: none"> <li>Foram present</li> </ul>		Fining upward
							142 scaphopod		
148									
150									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
0-3				Rotational contact			Type 2: Silty mud	NN	28 Dec 2011
3-10	25Y 4/1	Clay	Very fine sand (in burrows)	Massive BI: 3			Type 1: Mud • Foram present • Burrows filled with coarser grain • Py burrow • Foram present - 26 Shell fragment (echinoid spine?)		↑ coarsening upward
37-38							Gap		
38-149									
149-150									

Undisturbed

107  
111 Py burrows

119 Small shell fragments  
 ↓  
 < 1mm

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --								NN	28/Dec/11	
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --		gradual change								
-- 50 --							48 Dispersed small shell fragments 49			
-- 60 --							↓ Slightly reddish mud (but color chart is the same as above. (2.5Y 4/1)) 53 Py burrow			
-- 70 --	Undisturbed									
-- 80 --							83 Py burrow			
-- 90 --										
-- 100 --							101 shell fragment			
-- 110 --										
-- 120 --										
-- 130 --							133 Small shell fragments			
-- 140 --										
(47) -- 150 --										

MAJOR LITHOLOGY:

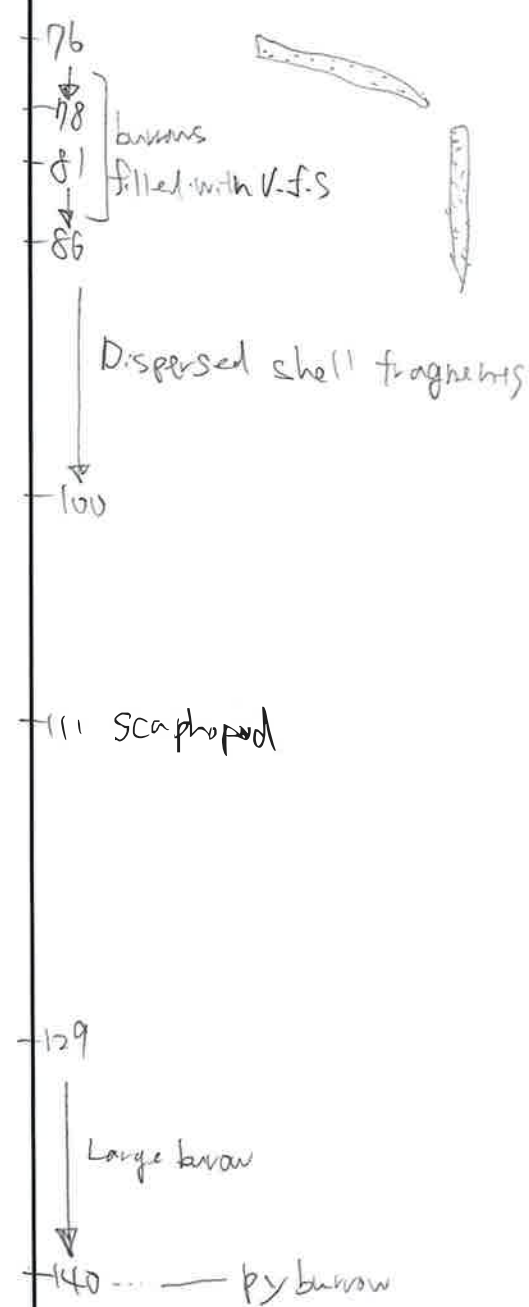
MINOR LITHOLOGY:

Depth	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --									NN	28/Dec/2011
-- 10 --								Type 1: Mud (same as above)		
								3: shell fragments in a burrow		
								Calcareous Mud		
-- 20 --								19 shell fragment		
-- 30 --										
-- 40 --										
-- 50 --								45 Py burrow		
-- 60 --										
-- 70 --	Undisturbed									
-- 80 --										
-- 90 --								81		
								Dispersed small shell fragments		
-- 100 --								101		
								102 Large shell (Pecten?)		
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --					Sharp contact ↓					
-- 148 --		5Y 3/2	Vary Fine sand	Fine sand	Massive	BI:2		Type 3: Silty sand		
-- 150 --								Well-sorted.		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.						
-- 0 --							Type 3: Silty sand (same as above)	NN	28 Dec/11
-- 10 --							Silty mud with Bio Carb.		
18									
-- 20 --	2.5Y 4/1	Clay	Fine Sand (in burrows)	potentially sharp base? Bioturbated contact	BJ3		Type 1: Mud		
-- 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: N N	Date: 28/Dec/2011
		Avg.	Max.						
--0--							Type 1: Mud (same as above)		
--10--									
--20--									
--30--									
--40--									
--50--									
53	2.5Y 4/1	Silt	V.f. Sand	Gradational contact ↓	BI:3		Type 2: Silty mud • Foram present [59-60] shell fragments		
--60--									
64	2.5Y 4/1	Clay	V.f. Sand	Bioturbated contact ↓	BI:4		Type 1: Mud • Intense bioturbation (burrows filled with silt - v.f. sand)		
--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 --									NV	28 Dec 2011
								Type 1: Mud (same as above)		
-- 10 --										
-- 20 --								18 shell fragments		
21										
24										
29										
-- 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: CR	Date: 28/12/11
		Avg.	Max.						
--0--	Oily 10g 4/1			massive	BI =2		Silty mud shells-fragments abundant Forams present		
--10--									
--20--									
--30--	Undisturbed						Sandy mud with biocarb.		
--40--									
42 44							-42 -44 > Scaphopoda shell		
--50--									
--60--									
62 64							-62 -64 > shell fragments (bivalves) and Scaphopoda shells		
68							-68: bivalve shell-fragment		
--70--							-70: shells-fragments and Scaphopoda shells		
71	Contact: irregular								
77 79	10g 4/1			massive	BI =2		fluc Forams present few shell fragments -78 -79 > Scaphopoda shell		
--80--	Undis.								
--90--									
92									contact: gradual
--100--	10g 4/1			massive	BI =2		Silty mud shell fragments abundant		
--110--	Undis.								
110							contact: irregular		
--120--	10g 4/1			massive	BI =2		fluc few shell fragments Forams present		
--130--	Undis.								
--140--									
--150--									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --									CR	28/12/11
-- 10 --								Med: Same as above		
-- 20 --										
28								contact: gradational		
-- 30 --		10g 4/1			unamic	B <sub>I</sub> =2		Silty mud shell fragments		
-- 40 --	undis									
42								contact: gradational		
-- 50 --		10g 4/1			unamic	B <sub>I</sub> =2		Med Few shell fragments Forams present		
-- 60 --	undis							→ Color: No H <sub>2</sub> O with 5g 4/1 (new reddish)		
-- 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: CR	Date: 28/12/15
		Avg.	Max.						
--0--	10g 3/1						Mud: Same as above Forams present Few shell fragments		
--10--	mottled with 5g 4/1								Mottled with 5g 4/1 (reddish)
--20--									
--30-- 32							-32 Py burrow		
--40--									
--50-- 52							-52: Py burrow		
--60--									
--70--									
--80--									
--90--									
--100--									sandy mud with bio carb
--110--									
--120--									
--130--									
135 --140--							-135: Py burrow		
--150--									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: CR	Date: 28/12/11
			Avg.	Max.						
-- 0 --								Mud : same as above Forams present, few shell fragments		
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
107										
-- 110 --										
117										
-- 120 --										
-- 130 --										
135										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --									CRZ	28/12/11
-- 10 --								Same as above: mud		
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --										
-- 70 -- 72		GLY <sub>1</sub> 10y 4/1						color change (gradational)		
-- 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.					AZ	28/12/11
-- 0 --							Rud: Same as above		
-- 10 --									
-- 20 --									
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --									
67 --							67: Shell fragment		
-- 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.					ARZ	28/12/11
-- 0 --							Text: Same as above Forams present Shell fragment present (less abundant than above)		
-- 10 --									
-- 20 --									
24								24: Py burrow	
-- 30 --									
31								31: Py burrow	
-- 40 --									
43								43: Py burrow	
-- 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 --								Sarcocorn above	CR	28/12/11
-- 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: SF	Date: 2011 12/28
		Avg.	Max.						
-- 0 --	10Y 4/1	clay	med. sand (foram)	massive	BI 3		mud - foram present		
-- 10 --									
-- 20 --									
-- 30 --									
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --									
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --									
-- 140 --									
-- 150 --									

-- 29, P. burrow

-- 37, shell fragment

-- 45, shell fragment

-- 63, shell fragments and echionoids fragment

-- 86, P. burrow

-- 104, shell fragment

-- 112, shell fragments

-- 123 } P. burrows

-- 128 }

-- 131 } shell fragments

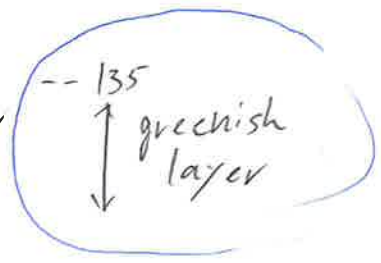
-- 139 }

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/28
		Avg.	Max.						
-- 0 --							Same as above		
-- 10 --							8) py burrows 10) py burrows		
-- 20 --							21, shell fragments		
-- 30 --									
-- 40 --									
-- 50 --							51 ~ 53. scaphopods fragment (white)		
-- 60 --							65. shell fragments		
-- 70 --									
-- 80 --							79. foram patches		
-- 90 --							92, py burrow		
-- 100 --									
-- 110 --									
-- 120 --									
-- 130 --	105 4/1								
-- 135 --	135 4/1						135, py burrow		
-- 140 --	105 4/1 (greenish)						138, py burrow		
-- 150 --									

not change color chart but more greenish



MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/28
		Avg.	Max.						
-- 0 --							Same as above		
-- 10 --	(greenish) 10Y 4/1						13. shell fragments 15. py burrow		
-- 20 --	14 10Y 4/1						22 py burrows		
-- 30 --							28 30, foram patch 33 large py burrow		
-- 40 --				gradational contact			42, foram patch		
48									
-- 50 --	2.5Y 4/1	clay	m. sand (foram)	massive	BI 3		49 py burrow mud foram present		only color change
-- 60 --							Calcareous Mud.		
-- 70 --							67. S.S. 70, shell fragment 68) py burrows 73)		
-- 80 --									
-- 90 --				gradational contact					
92	10Y 4/1	silt	m. sand (foram)	massive	BI 2		silty mud - foram present		
-- 100 --							99. shell fragment 102, shell fragment		small shell fragment
109				gradational contact					
-- 110 --	10Y 4/1	clay	m. sand (foram)	massive	BI 3		mud - foram present 112-115, coarse particle filled burrow		
-- 120 --									
-- 130 --									123 small shell fragments
-- 140 --									
142									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/28
		Avg.	Max.						
-- 0 --							Same as above		
-- 10 --									
-- 20 --				gradational contact			17. shell fragment		
21	2.5 4/1	clay	m. sand (foram)	massive	BZ 3		mud - foram present 25. py burrow		only color change
-- 30 --									
-- 40 --							40. py burrow 47. py burrow		
-- 50 --				gradational contact			54. py burrow		
58									
-- 60 --	10Y 4/1	silt	m. sand (foram)	massive	BZ 3		Silty mud - foram present		
-- 70 --							65. py burrow		coarsing upward
-- 80 --							75. shell fragments		
-- 90 --							93. shell fragments		
-- 100 --							103. shell fragments		fining upward
109				gradational contact (+bioturbation)					
-- 110 --	10Y 4/1	clay	m. sand (foram)	massive	BZ 3		mud - foram present 111. shell fragments 112. py burrow		
116									
-- 120 --	10Y 4/1	silt	m. sand (foram)	massive	BZ 3		Silty mud foram present		
-- 130 --				gradational contact (+bioturbation)			129-130. py burrow		
138									
-- 140 --	10Y 4/1	clay	m. sand (foram)	massive	BZ 3		mud - foram present 140. coarse particle filled burrow		
144									
-- 150 --	10Y 4/1	silt	m. sand (foram)	massive	BZ 3		Silty mud - foram present		
149									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/28
		Avg.	Max.						
--0--							Same as above		
10				gradational contact (+bioturbation)			py burrows		
--10--	10Y 4/1	clay	m. sand (foram)	massive	31 3		mud - foram present py burrows 17 18. shell fragments 20, py burrow 22. shell fragment		
--20--									
--30--									
--40--							42, shell fragments		
--50--							50, scaphopods fragment		
--60--							55-56 bivalves fragment		
--70--							63. shell fragment		
--80--							67. shell fragment		
--90--							75 shell fragments		
--100--							80, scaphopods fragment.		
--110--							86		
--120--							102, shell fragments		
--130--									
--140--							117. shell fragments 118, py burrow		
--150--							133 shell fragments		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					SF	2011 12/28
-- 0 --							Same as above		
-- 10 --							8~10. py burrows		7
-- 20 --							23~25, py burrow 25~26. shell fragments		Small shell fragments
-- 30 --							28~30, py burrow		32
-- 40 --									
-- 50 --							50, py burrow 55, shell fragments		
-- 60 --									
-- 70 --									
-- 80 --							77, shell fragment 80, scaphopods fragment py burrows		172
-- 90 --							81, scaphopods fragment 89, scaphopods fragment		
-- 100 --									Small shell fragments
-- 110 --									
-- 120 --							114, py burrows 118, py burrows		
-- 130 --							120, shell fragment 123, py burrows 128, py burrows		121
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: SF	Date: 2011 12/28
		Avg.	Max.						
-- 0 --				gradational contact			Same as above		
3 -- 0 --	10Y 5/1	clay	ln. sand (foram)	massive	BI 3		had - foram present 6-7, shell fragments		only color change
-- 10 --							12, py burrow		
-- 20 --									
-- 30 --							31, shell fragments		
-- 40 --									
-- 50 --							57, shell fragments		
66 -- 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 12/28
		Avg.	Max.						
-- 0 --							Same as above		
-- 10 --				gradational contact			10-11, shell frag hearts		
19. -- 20 --	5GY 4/1	clay	m. sand (foram)	massive	BZ 3	25. S.S	mud - foram present 24. shell fragment 28. shell fragment Calcareous Mud.		only color change
30 -- 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: NN	Date: 28 Dec 2011
		Avg.	Max.						
	2.5Y 4/1	Clay	Fine sand (foram)	Massive	BI:2		Type 1 = Mud - Foram present - Py burrow - Dispersed small shell fragments ↓ < 1mm - Reddish-brownish color		
							-41 -48 -50 } Py burrows		
							-61 Shell fragment		
	Undisturbed						-76 Py burrow		
							-94 burrow filled with silt & shell fragments		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: NN	Date: 28 Dec 2011
			Avg.	Max.						
-- 0 --	Undisturbed						Type 1: Mud (same as above)			
-- 10 --							Relatively silty. (due to burrows)			
-- 20 --										
-- 30 --										
-- 40 --										
-- 50 --										
-- 60 --								58 Py burrow		
-- 70 --										
-- 80 --										
-- 90 --										
-- 96 --										
-- 100 --										
-- 100 --		2.5Y 4/1	Silt	Medium Sand (foram)	Massive	EJ: 2	Type 2: Silty mud		Fining upward	
-- 110 --							112 burrows filled with f.s-silt			
-- 120 --							124 burrows filled with silt & shells			
-- 130 --										
-- 140 --							138 140			
-- 141 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Depth	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
-- 0 --								NN	28/Dec/2011	
-- 7 --							Type 2: Silty mud (same as above)			
-- 10 --							Relatively coarser part			
-- 15 --										
-- 20 --										
-- 30 --							Gap			
30.5										
-- 40 --										
-- 50 --							Coarsening upward			
55										
56							Gap			
-- 60 --										
68							Gradational contact			
-- 70 --	2.5Y 4/1	Clay	M. sand (fine)	Massive BI:2			Type 1: Mud			
71							Gap			
-- 80 --										
-- 90 --	Undisturbed								Mud	
-- 100 --										
-- 110 --										
112.5							Gap			
113.5										
117	Crack						Gradational contact			
-- 120 --	Crack									
122	2.5Y 4/1	Silt	F. sand	Massive BI:3			Type 2: Silty mud			
123							tube worm?			
127.5							Gap			
-- 130 --										
132	Crack									
135	Crack									
137	Crack									
-- 140 --									Silty mud	
143.5										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
--0--								NN	28/Dec/2011	
							Type 2: Silty mud (same as above)			
--10--										
--20--										
--30--					Gradational contact					
31		GLY 1 4/1 10Y	Silt	Fine sand	Massive	BI:3				
--40--							Type 2.5: Sandy mud			
							• Foram present			
							• Relatively dark brownish color			
--50--					Gradational contact					
55							49-55 } Dispersed shell fragments			
--60--		GLY 1 4/1 10Y	Silt	Fine sand (in burrows)	Massive	BI: 2 ↑ Average.	Type 2: Silty mud			
							Relative ly coarse part (due to burrows)			
--70--							69 ↑ BI:3			
							• Foram present			
							• Relatively reddish-brown color			
--80--										
87	check									
--90--										
--100--										
108	check				Gradational contact					
--110--							112 shell fragments			
115		GLY 1 4/1 10Y	Clay	Fine sand	Massive	BI:2	Type 1: Mud			
--120--							• Foram present			
--130--										
138							Gap			
--140--										
145										
--150--										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Depth (m)	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
0 - 4	(Crack)							NN	28/Dec/2011	Type 1: Mud (same as above)
27 - 30	Undisturbed	GLEI 4/10Y	Silt	Very fine sand	Massive	BI: 2				Type 2: Silty mud • Foram present
30 - 82		GLEI 4/10Y	Clay	Very fine sand (Foram)	Massive	BI: 2				Type 1: Mud • Foram present
82 - 130		GLEI 4/5GY	Clay	Very fine sand (Foram)	Massive	BI: 2				Type 1: Mud • Foram present • Relatively greenish grey color.
148 - 150										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
		Avg.	Max.					NN	28 Dec 2011
-- 0 --							Type 1: Mud (same as above)		
-- 10 --							11 Py burrow		
-- 20 --							Calcareous mud		
-- 30 --							35 Foram patch		
-- 40 --									
-- 50 --									
-- 60 --									
-- 70 --	Undisturbed								
-- 80 --									
-- 90 --									
-- 100 --									
-- 110 --		Clay	Medium sand (foram)	Massive BS:2			Type 1: Mud		
-- 120 --							<ul style="list-style-type: none"> <li>Foram present</li> <li>Relatively brownish grey color</li> <li>Py burrows</li> </ul>		
-- 130 --									
-- 140 --									
-- 150 --									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Gradational (color) contact

Undisturbed

GLY 1  
4/10Y

69  
75 } Py burrows

143  
145

	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
			Avg.	Max.						
--0--								NN	28/Dec/2011	
							Type 1: Mud (same as above)			
--10--							12 ↓ small shell fragments			
--20--	Crack						14 Nannofossil Mud.			
--30--										
--40--	Crack						37 Py burrow			
--50--										
--60--	Crack									
--70--	Undisturbed				Gradational contact					
76		2.5Y 4/1	Silt	Very fine sand	Massive BI-2		Type 2: Silty mud			
--80--							- Foram present - Dispersed shell fragments			
							- 86 Py burrow			
--90--										
95.5										
--100--										
--110--										
--120--										
--130--										
--140--										
--150--										

Fining upward

MAJOR LITHOLOGY:

MINOR LITHOLOGY:





	Drilling disturb.	Color	Grain-size		Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:			
			Avg.	Max.									
--0--	Undisturbed							NN	28/Dec/2011	Type 2: Silty mud (same as above)			
--10--													
--20--												18 Foram patch	
--30--													27
32													Relatively coarser part
--40--													
--50--													
--60--													
--70--													
--80--													
--90--													
--100--													
--110--													
--120--													
--130--													
--140--													
--150--													

MAJOR LITHOLOGY:

MINOR LITHOLOGY: