

Expedition 374 Ross Sea:

Site: _____ Hole: _____ Core: _____ Sections: _____ Top Depth: _____

Major Lithology: _____ Minor Lithology: _____

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sec. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:
			C	St	Sd	G								
	0										* Colors.		number	
	20										Gleg 1 5/N		1	
	40										2.5Y 6/6		2	
	60										2.5Y 6/3		3	
	80										2.5Y 3/2		4	
	100										2.5Y 5/3		5	
	120										Gleg 1 6/10Y		6	
	140													
	0										Gleg 1 4/50Y		7	
	20										Gleg 1 5/106Y		8	
	40										2.5Y 6/2			
	60													
	80										Gleg 1 6/46Y		1	
	100										Gleg 1 5/104		2	
	120										5Y 5/2		3	
	140													
	0													
	20													
	40													
	60													
	80													
	100													
	120													
	140													

DBM: Diatom bearing mud
 DRM: Diatom rich mud
 MRDO: Mud rich diatom ooze
 MBDO: Mud bearing diatom ooze

core 14H-5H and 30X-end
 18H-29X

6H to 17H: See each core description.

Expedition 374 Ross Sea: U1525 Site: A Hole: 1H Core: 1-3 Sections: 0 Top Depth:

Major Lithology: Minor Lithology:

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sed. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:
			C	St	Sd	G							AES	2/7
1	0	↑								55 60	massive bioturbated Brownish yellow to light yellowish brown to gray	AES	2/7	
	20	↑								30				sandy mud with dispersed clasts. Lonestone throughout
	40	↑									DBM			
	60	↑								55 70				* mechanical shearing of pins so May be disturbed (whole core)
	80	↑								140	TD: 150			
2	0	↑									SM	1-1-5 ? 1-1-30 M 1-1-70 DRM 1-1-140 JBM		
	20	↑											Lonestone 70	
	40	↑									150 TD			
	60	↑											1-3-70 JB sandy mud	
	80	↑									SM			
3	0	↑										Lonestone: 37, 115	145 150	
	20	↑												
	40	↑												
	60	↑												
	80	↑												

Expedition 374 Ross Sea: U1525 A 24 1-3
 Site: Hole: Core: Sections: Top Depth:

Major Lithology: Minor Lithology:

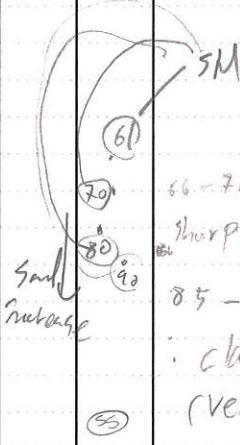
Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sed. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
			C	St	Sd	G							
1	0					Glg/					Massive bioturbated gray mud with lone stones throughout, interbedded ^{with} m-sale D. grayish brown to light olive brown clast-rich muddy diamict and brownish yellow mud. m-sale	S. Kim 7/2	
	20												
	40												
	60												
	80												
	100												
	120												
	140												
	150												
	160												
	170												
	180												
	190												
	200												
	210												
2	0										LS: 33, 37 Shell f: 138		
	20												
	40												
	60												
	80												
	100												
	120												
	140												
	150												
	160												
	170												
	180												
	190												
	200												
	210												
3	0										LS: 27, 34, 37, 66-67, 78, 79-80		
	20												
	40												
	60												
	80												
	100												
	120												
	140												
	150												
	160												
	170												
	180												
	190												
	200												
	210												

Expedition 374 Ross Sea: U1525 Site: A Hole: 4-6 Core: Sections: Top Depth:

Major Lithology: Minor Lithology:

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sed. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: <u>SKM</u>	Date: <u>7/2</u>
			C	St	Sd	G								
4	0										LS: 19-20, 22, 37-46, 63, 141			
	20													
	40													
	60													
	80					5/N								
	100													
	120													
	140													
	146									IW				
5	0										LS: 6, 20, 36, 72-75			
	20													
	40													
	60													
	80					5								
	100													
	120					4								
	140													
	151													
6	0										meta. sedimentary, ign. ...			
	20													
1	40													
	60													
	80													
	100													
	120													
	140													
	151													

2-5-61 DB sandy mud
 2-5-70 DB sandy mud
 2-5-80 DB sandy mud
 2-5-90 sandy mud
 2-5-130 sandy mud
 2-6-78 calcite
 thin lth



6
1
disturbed

78 calcite

Expedition 374 Ross Sea:

V1925

A

24

Z+CC

Site:

Hole:

Core:

Sections:

Top Depth:

Major Lithology: Minor Lithology:

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sed. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: 5/2/01	Date: 7/2
			C	St	Sd	G								
Z	0										LS: 13 cm			
	20										brannish yellow	mud		
	40						3							
	60									99 90	DBM			
	80											secem 6/7 → flow in?		
CC	0													
	20													
	34													
	40													
	60													
	80													
	100													
	120													
	140													

2-7-50 DBSandy Mud

2-CC-20 DB Sandy Mud

Expedition 374 Ross Sea: U 1525 A 3H 1-3
 Site: Hole: Core: Sections: Top Depth:

Major Lithology: Minor Lithology:

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sed. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:
			C	St	Sd	G							S. Kim	7/2
1	0 20 40 60 80 100 120 140 151										Massive gray sandy mud with dispersed clasts interbedded with m-salt clast-poor muddy diamict. below sec 4 130cm are sucked in.			
2	0 20 40 60 80 100 120 130 140 151										LS: 8, 29, 44, 82, 110, 133 130 - 143 in sec 3 clast-poor muddy diamict			
3	0 20 40 60 80 100 120 140 151										LS: 42, 61-63, 83-85, 130 3-2-130 JB Sandy Mud			

Expedition 374 Ross Sea: V1525 Site: A Hole: BH Core: 4-6 Sections: 4-6 Top Depth:

Major Lithology: Minor Lithology:

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sed. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: <u>S. Kim</u>	Date: <u>7/2</u>
			C	St	Sd	G								
4	0													
	20													
	40													
	60													
	80													
	100													
	120													
	140													
	146													
5	0													
	20													
	40													
	60													
	80													
	100													
	120													
	140													
	140													
6	0													
	20													
	40													
	60													
	80													
	100													
	120													
	140													
	140													

LS: 13, 136-140 cm

IW

LS: 0-3, 7, 142

such m.

made: due to drilling
also gray disturbance?

LS: 20-35 (more)
142

Expedition 374 Ross Sea: U1525 Site: A Hole: 34 Core: ZACC Sections: 7+CC Top Depth:

Major Lithology: Minor Lithology:

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sed. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: <u>S. Kim</u>	Date: <u>7/2</u>
			C	St	Sd	G								
7	0										LS: 13cm			
	20													
	40													
	60													
	80													
	100													
	140													
CC	0													
	20													
	40													
	60													
	80													
	100													
	140													
	0													
	20													
	40													
	60													
	80													
	100													
	140													

Expedition 374 Ross Sea: U1525 A 44 1+CC
 Site: Hole: Core: Sections: Top Depth:

Major Lithology: Minor Lithology:

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sed. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:
			C	St	Sd	G							S. Kim	7/2
/	0	↓									Massive gray sandy med to muddy sand with dispersed clasts			
	20													
	40													
	60													
	80													
9x	100										LS: 23-24, 40-50, 93-94			
	120													
	140													
	160													
	180													
CC	0	≡									27-30 void? void?			
	20													
	30													
	40													
	60													
	80													
	100													
	120													
	140													
	160													

Expedition 374 Ross Sea: U1525 A SF 1-3
 Site: Hole: Core: Sections: Top Depth:

Major Lithology: Minor Lithology:

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sed. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: <u>SKM</u>	Date: <u>7/2</u>
			C	St	Sd	G								
1	0										Massive <u>gray</u> sand mud (sandy sand) with abundant clasts.			
	20													
	40													
	60													
	80													
	100													
2	0										LS: 41, 52,			
	20													
	40													
	60													
	80													
	100													
3	0										LS: 11-13, 59-60, 68, 105-107			
	20													
	40													
	60													
	80													
	100													

Expedition 374 Ross Sea: U1525 A MF 1-3
 Site: Hole: Core: Sections: Top Depth:

Major Lithology: Massive to laminated Minor Lithology:
diatom-rich mud with silty sand laminae

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sec. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:
			C	St	Sd	G							IS	FEB 8
1	0										1: Gley 1 5/10Y (greenish gray) 2: Gley 1 5/10GY (greenish gray) 3: Gley 1 6/10GY (greenish gray) - lighter 0-91. Mottled massive to faintly laminated mud laminated 91-end of core: Mud with interlamination of silt. (silt laminae are indicated on the log) bioturbation: 96-97 → diatom-rich mud (with foraminifera fragments) limestone: 92, 96, 94, 115, 56 1: bowed			
	20					2			2					
2	40										(SS) → diatom-rich mud			
	60					1								
3	80										Matting			
	100					1								

11-1-95 JRM
 11-2-53 JBM

Expedition 374 Ross Sea: U1525 Site: A Hole: 11F Core: 4-CC Sections: 15 Top Depth:

Major Lithology: Laminated diatom rich mud with silty basal laminae Minor Lithology:

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sec. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:					
			C	St	Sd	G							15	Feb 8					
4	0	fractured	[Lithology sketch]				1					Laminated mud (silt laminae within the mud laminae)	15	Feb 8					
	20																		
	40																		
	60																		
	80		SS → silty sand																
	100																		
	120																		
	140																		
	0		fractured	[Lithology sketch]				1								fractured	15	Feb 8	
	20			PAL -15 -20															
	40																		
	60																		
	80																		
	100																		
	120																		
140																			
0	fractured	[Lithology sketch]				1						fractured	15	Feb 8					
20																			
40																			
60																			
80																			
100																			
120																			
140																			

11F-4-78: silty sand (Mudier lith)

Expedition 374 Ross Sea: U1525 Site: A Hole: 12F Core: 4-cc Sections: Top Depth:

Major Lithology: laminated diatom-rich mud with silty sand laminae Minor Lithology:

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sec. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:													
			C	St	Sd	G							IS	Feb 8													
4	0	↑					1					<p>Interlaminated mud and silt (mud laminae are more abundant)</p>	IS	Feb 8													
	20																										
	40																										
	59														59												
	60														2												
	77														77												
	80																										
	100																										
	120																										
	140																										
cc	0	↑					31					<p>limestone: 2</p>	IS	Feb 8													
	26														26												
	PAL														PAL												
	40																										
	60																										
	80																										
	100																										
	120																										
	140																										

Core summary:
 Massive to laminated mud interbedded at dm-scale. Limestones and interlaminae occur.

Expedition 374 Ross Sea: U1525 A 13F 1-3 0
 Site: Hole: Core: Sections: Top Depth:

Major Lithology: Massive to laminated greenish gray mud Minor Lithology:

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sec. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
			C	St	Sd	G							
1	0-140	///									0-33: Massive to faintly laminated (laminated in lower part) → diatom bearing mud 33-40: 2.5y 6/2 (light brownish gray) → diatom-bearing mud 40-83: intermix of two beds above in color. Normal graded laminae 83-100: massive to faintly laminated mud → DR mud 100-118: 2.5y 6/2 (light brownish gray) massive to faintly laminated (Lone Stone 52) 118-146: same as 0-33		
2	0-140	///									0-24 Laminated, fine sand, silt, color 24-42: Massive to coarsely laminated mud (6/1 4/5 6/7) 42-145: Massive, cm-scale laminae, mottled in color and texture	145	
3	0-140	///									Massive to faintly laminated mud. Sharp incline contact of color at 71	86	

Expedition 374 Ross Sea: V1525 Site: A Hole: 14F Core: 4-CC Sections: Top Depth:

Major Lithology: Laminated mud with silty sand laminae Minor Lithology:

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sed. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:
			C	St	Sd	G							IS	Feb 8
4	0						↑					Laminated mud with silty sand laminae within the mud.		
	20													
	40													
	60													
	80													
	100													
	120													
	140													
	0													
	20													
	40													
	60													
	80													
	100													
120														
140														
CC	0						↑							
	20													
	40													
	60													
	80													
	100													
	120													
	140													
	0													
	20													
	40													
	60													
	80													
	100													
120														
140														

Expedition 374 Ross Sea:

V1525

A

15F

1-3

0

Site:

Hole:

Core:

Sections:

Top Depth:

Major Lithology: massive mld

Minor Lithology:

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sed. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
			C	St	Sd	G							
1	0										massive mud greenish gray		
	20	+											
	40												
	60	53											
	80												
	100												
	120												
	140												
	160												
	180												
	200												
	220												
	240												
	260												
2	0												
	20												
	40	///											
	60												
	80												
	100												
	120												
	140												
	160												
	180												
	200												
	220												
	240												
	260												
3	0												
	20												
	40												
	60	∨											
	80												
	100												
	120												
	140												
	160												
	180												
	200												
	220												
	240												
	260												
cc	100												
	120												
	140												
	160												

146

137

60

18

Expedition 374
Ross Sea
 Clast Abundance

U1525 A 6F Dec
 Site Hole Core Top Depth
JK 9/2
 Observer Date

Offset (cm)	Sec. 1	Sec. 2	Sec. 3	Sec. 4	Sec. 5	Sec. 6	Sec. 7	CC	Memo
0									
10	10	9	5	>10				7	
20	4	9	5	6				5	
30	7	6	6	>10					
40	7	10	3	7					
50	4	>10	5	4					
60	9	10	7	5					
70	10	>10	10						
80	>10	>10	>10						
90	10	>10	>10						
100	>10	>10	>10						
110	>10	>10	5						
120	8	>10							
130	>10	10							
140	>10	10							
150	9	5							

Expedition 374 Ross Sea:

Site: _____ Hole: _____ Core: _____ Sections: _____ Top Depth: _____

Major Lithology: _____ Minor Lithology: _____

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sed. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:
			C	St	Sd	G								
	0										* Colors.			
	20										Gleg 1 5/N	number	1	
	40										2-5Y 6/6		2	
	60										2-5Y 6/3		3	
	80										2-5Y 3/2		4	
	100										2-5Y 5/3		5	
	120										Gleg 1 6/10Y		6	
	140													
	0										Gleg 1 4/5GY		7	
	20										Gleg 1 5/10GY		8	
	40										2-5Y 6/2			
	60										Gleg 1 6/5GY		1	
	80										Gleg 1 5/10Y		2	
	100										5Y 5/2		3	
	120													
	140													
	0													
	20													
	40													
	60													
	80													
	100													
	120													
	140													

DBM: Diatom bearing mud
 DRM: Diatom rich mud
 MRDO: Mud rich diatom ooze
 MBDO: Mud bearing diatom ooze

core 11H-5H and 30X-end 18H-29X

6H to 17H: See each core description.

Expedition 374 Ross Sea: V1525 A 1614 7, CC 0
 Site: Hole: Core: Sections: Top Depth:

Major Lithology: Minor Lithology:

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sed. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
			C	St	Sd	G							
7	0												
	20					(Z)							
	40												
	60												
	80												
	100												
	140												
CC	0					(Z)							
	20										Soft sediment deformation Z-12		
	40												
	60												
	80												
	100												
	140												
	0												
	20												
	40												
	60												
	80												
	100												
	140												

101

Expedition 374 Ross Sea:

U1525

A

174

1-3

Site:

Hole:

Core:

Sections:

Top Depth:

Major Lithology: Laminated diatom-rich mud with silty sand laminae

Minor Lithology: Foraminifer-bearing sandy mud

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sed. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:
			C	St	Sd	G							15	Feb 8
1	0	141										1: Gley 15/104 (greenish gray) 2: Gley 15/108Y (" ") des: 2 is lighter than 1. Laminated mud with silt laminae ± syn/post sedimentary deformation (slumping?) 17-3-136 foraminifer-bearing sandy mud		
	20						M							
2	0	141										// tilted bedding in mud and silt laminae 49-91: Mottled mud interbedded with laminae of sand with clasts. Conestones: 57, 60, 62, 67, 69, 73, 83, 91, 100, 132		
	20						1							
3	0	147										Massive mottled mud with layers of sandy mud (with foraminifer) Conestones: 1, 24, 22, 45, 85, 99 46-59, 78-91, 136-140: foraminifer-bearing sandy mud (35) → foraminifer-bearing sandy mud		
	20						2							

Expedition 374 Ross Sea: U15 25 Site: A Hole: 174 Core: 4-6 Sections: 4-6 Top Depth:

Major Lithology: Laminated diatom-rich mud with silty sand laminae Minor Lithology: Foramifer-bearing sandy mud

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sed. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:									
			C	St	Sd	G							JS	Feb 8									
4	0						2					Mottled mud, faintly laminated interbedded with sandy mud layers (with forams) 1-19, 31-50: foram-bearing sandy mud 122: green layer, glauconite?	JS	Feb 8									
	20																						
	40																						
	60																						
	80																						
	100																						
	120																						
	140																						
	140		1405	1W	120	1																	
	5		0												1				Laminated mud (with silt laminae) Limestone: 73	JS	Feb 8		
			20																				
			40																				
			60																				
80																							
100																							
120																							
140																							
140		405																					
6		0							1				Laminated mud (mottled) Faint py staining 120: burrow? py stained?	JS								Feb 8	
		20																					
		40																					
		60																					
	80																						
	100																						
	120																						
	140																						
	140	92		2	1	3																	

Expedition 374 Ross Sea: V1525 Site: A Hole: 17H Core: 7-CC Sections: 7-CC Top Depth:

Major Lithology: laminated diatom-rich mud with silty sand laminae Minor Lithology:

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sed. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:								
			C	St	Sd	G							IS	Feb 8								
7	0	↑	-				1	↓				laminated mud with silt (interlaminated, minor proportion)	↓									
	20		-																			
	40		-				2 47															
	60		-				1	↓				lonestone: 94										
	80		-																			
	100		-																			
	120		-																			
	140		-																			
	CC		0	↑	-				1	↓												
			20		-																	
			40		PAL - Z Z																	
			60		-																	
			80		-																	
			100		-																	
	0	↑	-																			
	20		-																			
	40		-																			
	60		-																			
	80		-																			
	100		-																			

Expedition 374 Ross Sea: 41525 A 184 1-3
 Site: Hole: Core: Sections: Top Depth:

Major Lithology: ① Glg 1 6/60yr Minor Lithology: ② Glg 1 5/10 (relatively dark)

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sed. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:
			C	St	Sd	G							1. Km	8/2
1	0 20 40 60 80 100 120 140 149						1 2	 		↑3		Massive to laminated, greenish gray mud sand with fine, lam/mud sand and lenses/pods with coarse or chert stringer. with microlites	18-1-25 DBM 18-1-100 DBM	
2	0 20 40 60 80 100 120 140 140						2	 				1 cm thick / lens (pods) 27-100 cm: micro fault are frequent.	18-3-80: DBM	
3	0 20 40 60 80 100 120 140 142						2	 				49-66: disturbed. 60-70: more sand, lam/lens/pods 76-142 LS: 112 (112) sand pods/lense: 101, 137 cm	142	

Expedition 374 Ross Sea:

U1525A

A

PH

4-6

Site:

Hole:

Core:

Sections:

Top Depth:

Major Lithology:..... Minor Lithology:.....

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sed. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:
			C	St	Sd	G							S. Khan	8/2
4	0													
	20					2								
	40						1							
	42						2							
	44						2							
	54						1							
	56						2							
	63						1							
	67						2							
	71													
	100						2							
	120													
	140													
	147													
5	0													
	20													
	40													
	60					2								
	80													
	100													
	113													
	120													
	140													
	6	0												
20														
40														
60						2								
80														
90														
100														
120														
140														

157

Expedition 374 Ross Sea: 015250 A 174 1-3 + CC
 Site: Hole: Core: Sections: Top Depth:

Major Lithology: Minor Lithology:

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sed. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:												
			C	St	Sd	G							9.4m	8/2												
1	0	↓				2					Massive fine bedded greenish gray mud with intervals of common clasts interbedded with lighter greenish gray and with common clasts contact is not clear due to daily disturbance.	9.4m	8/2													
	20																									
	40																									
	60																									
	80																									
	100																									
	120																									
	140																									
	150																									
	2													0	↓				2					7-111 sandy mud	9.4m	8/2
														20												
														40												
														60												
														80												
														100												
120																										
140																										
150																										
3		0	↓				2					111 in sec 2 → 3 and CC almost clay.	9.4m	8/2												
		20																								
		40																								
		60																								
		80																								
		100																								
	120																									
	140																									
	CC	100													↓				2					7-10 color mottle.	9.4m	8/2
		110																								
		120																								
		130																								
		140																								

Expedition 374 Ross Sea: U1525 A 20F 1-3
 Site: Hole: Core: Sections: Top Depth:

Major Lithology:..... Minor Lithology:.....

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sed. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:
			C	St	Sd	G							S. Kim	8/2
1	0 20 40 60 80 100 120 140						2					Massive to laminated greenish gray mud with lenticular lenses (pods) below 144 in section 2: planar laminar. class one 77-127 0-77 section 2 tilted. laminae. 20-1-40 DBM		
2	0 20 40 60 80 100 120 140						2					77-127 diastrophic laminae. to tilted laminae upward. clasts are often or porphyritic etc laminae. sec 1. 110 - 77 more fine laminae 110-120 - sand pod 132-134 } - clast with sandy Diastrophic 139-144 }		
3	0 20 40 60 80 91 100 120 140						2					62-85: sand, burrow, muscle. lense/pods Interbedded sand and mud (incl. laminae)		

Expedition 374 Ross Sea:

U1524 A

21F

1-3 + 1C

Site:

Hole:

Core:

Sections:

Top Depth:

Major Lithology: Minor Lithology:

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sed. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:
			C	St	Sd	G							SKM	8/2
1	0 20 40 60 80 100 120 140 150											Massive to laminated greenish gray mud with ma-scale clast rich sand laminae/lense/pod and lenses in the laminae interbedded with 17% finer greenish gray sandy mud to clay-rich sandy diamicte.		
2	0 20 40 60 80 100 120 140											138 ~ sec 2, 54: fine lense also gray clast rich sandy diamicte 59-63 cm 63-70 reverse grading due to brown lense LS: 69		
3	0 20 40 60 80 100 120 140											LS: 67-68 50-68 dark rich sandy diamicte 68-86 mud 86-124: mud with fine lense 130-140 clay-rich sandy diamicte		

21-CC-5 DB Muddy sand

+CC

12
12

Expedition 374 Ross Sea:

U1525

A

22F

1-3 (IC-ATP)

Site:

Hole:

Core:

Sections:

Top Depth:

Major Lithology: Minor Lithology:

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sed. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:																																																																																																																																																										
			C	St	Sd	G							S. Kim	8/2																																																																																																																																																										
1	0	↓									Massive to stratified greenish gray mud with very fine laminae with sharp clay rich contact. Interbedded with cm-scale lighter greenish gray with burrow and gradual contact.	S. Kim	8/2																																																																																																																																																											
	20													5	2							0-5: lighter greenish gray mud																																																																																																																																																		
	40													14	2														4-6: fine string/mottled laminae are present																																																																																																																																											
	60																																																																																																																																																																							
	80																																																																																																																																																																							
	100																																																																																																																																																																							
	120																																																																																																																																																																							
	140																																																																																																																																																																							
	150																																																																																																																																																																							
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140																																																																																																																																																																								
150																																																																																																																																																																								

22-2-51 JRM (minor lith)
 22-2-95 JRM
 22-2-117 JRM

Expedition 374 Ross Sea: 41525 4 23E 1-3+CC
 Site: Hole: Core: Sections: Top Depth:

Major Lithology: Minor Lithology:

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sed. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:
			C	St	Sd	G							S.Kim	8/2
1	0					1		BS			Massive to laminated greenish gray mud with micro-lute throughout 0-12 m mottling / burrow sand lenses 54-55cm 62cm sand/lense			
	20													
	40													
	60													
	80													
	100													
	120													
	140													
	150													
	2													0
20														
40														
60														
80														
100														
120														
140														
150														
3		0					2					23-3-10 DR sandy mud		
	20													
	40													
	60													
	80													
	100													
	120													
	140													
	150													

tcc 0-18 cm 18-23 -> PAI-

Expedition 374 Ross Sea: U1525 A 24F 1 (CC-ATP)
 Site: Hole: Core: Sections: Top Depth:

Major Lithology: Minor Lithology:

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sed. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:											
			C	St	Sd	G							S. Kim	8/2											
1	0	↓				1					Mudstone, massive, greenish gray, interbedded mud and siltstone varying lighter greenish, interbedded mud and fine muddy siltstone with abundant clasts	S. Kim	8/2												
	20																								
	40																								
	60																								
	61																								
	80																								
	100																								
	120																								
	140																								
	0																								
	20																								
	40																								
	60																								
	80																								
100																									
120																									
140																									
0																									
20																									
40																									
60																									
80																									
100																									
120																									
140																									

18-24 cm → sandy siltstone with abundant clasts
 34-61 cm → muddy siltstone with abundant clasts
 Ls 251-52
 oxidized mineral

Expedition 374 Ross Sea:

VIS25 A

25x

4-CC

0-

Site:

Hole:

Core:

Sections:

Top Depth:

Major Lithology: Minor Lithology:

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sed. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:			
			C	St	Sd	G							AES	2/8			
4	0											Large burrows 0-17 40: sand stringer faintly laminated Loneoteres: 144, 145 151					
	20																
	40																
	60																
	80																
	100																
	120																
	140																
	151																
	0																
	20																
	40																
	60																
	67																
80																	
100																	
120																	
140																	
0																	
20																	
23																	
40																	
29																	
60																	
80																	
100																	
120																	
140																	

25-4-70 DRM

Expedition 374 Ross Sea: U1526 A 28X 1+CC
 Site: Hole: Core: Sections: Top Depth:

Major Lithology: Minor Lithology:

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sed. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:
			C	St	Sd	G							S.K.M.	8/2
1	0	↑					2					Massive to laminated greenish grey mud with silt stringers.	S.K.M.	8/2
	20													
	40													
	60	(2)												
	80	↑												
	80	80												
	100													
	120													
	140													
	CC	0	↓											
20		↓												
34		34												
40														
60														
80														
100														
120														
140														
		0												
	20													
	40													
	60													
	80													
	100													
	120													
	140													

PAL

VOIN: no space form but empty.

* described! section.

Expedition 374 Ross Sea: U1525 A 29X 1+CC
 Site: Hole: Core: Sections: Top Depth:

Major Lithology: Minor Lithology:

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sed. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:
			C	St	Sd	G							S.K.M.	8/2
1	0 20 40 60 80 100 120 140	47 20 20 29						⊙			Massive to laminated greenish gray mud with sand streaks and carbonate concretions at 2-3 cm with pyrite staining.			
CC	0 20 40 60 80 100 120 140	21 21				2								
	0 20 40 60 80 100 120 140										* disturbed! sticks.			

Expedition 374 Ross Sea: 41525 A 30X 1A-3A 0
 Site: Hole: Core: Sections: Top Depth:

Major Lithology: Greenish gray laminated mud, diatom rich Minor Lithology: Greenish gray mud, diatom rich

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sed. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
			C	St	Sd	G							
1	0					⑧	—				GLEY 1 5/10GY ⑧ Greenish gray laminated mud Lamina of varying thickness but individually of uniform thickness, some of varying thickness 81-92: stringers of sand/gravel → Diatom-rich mud Lonestone: 1, 89 cm Some laminae identified by color, others by grain size	JSC 9/2	
	20					⑧	—						
	40					⑧	—						
	60	⊗				⑧							
	80					⑧	—						
	100					⑧	—						
	120					⑧	—						
	140					⑧	—						
	0					⑧	—						GLEY 1 6/10GY ⑥ (light) greenish gray Lonestones: 0-2, 35, 37, 39, 72-73, 86-87, 89-93, 143-144
	20					⑧	—						
	40					⑥	—						
	60	⊗				⑧	•••		②				
	80					⑥	—						
	100					⑥	•••		②				
120					⑧	—							
140					⑥	—							
0					⑥	—				Lonestone: 71, 144			
20					⑧	—							
40					⑧	—							
60					⑧	—							
80					⑧	—							
100					⑧	—							
120					⑧	—							
140					⑧	—							

30x-1-111 JRM

Expedition 374 Ross Sea:

V1525

A

31X 1-3

Site:

Hole:

Core:

Sections:

Top Depth:

Major Lithology:

Massive to laminated
interbedded Sand and mud

Minor Lithology:

Carbon-rich

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sed. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:
			C	St	Sd	G							Mof	2-9-18
1	0											40-55.5: mod. fracturing comparable to above. massive to faintly laminated at mm-scale (color) with cm-scale sand to coarse sand.	Mof	2-9-18
	20													
	40													
	60													
	80													
	100													
	120													
	140													
	140													
	140													
	140													
	140													
	2													
20														
40														
60														
80														
100														
120														
140														
140														
140														
140														
140														
3		0											35 Lone stars: 86, 126	
	20													
	40													
	60													
	80													
	100													
	120													
	140													
	140													
	140													
	140													
	140													

8 clay 5/10 6Y
 6 clay 6/10 Y

55.5

141

125

Expedition 374 Ross Sea: V1525 Site: A Hole: 31X Core: 4-6 Sections: 0 Top Depth:

Major Lithology: Minor Lithology:

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sed. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
			C	St	Sd	G							MOP 2-9-18
4	0	↑ ↓ ↑ ↓ ↑ ↓ ↑ ↓ ↑ ↓							↑ ↓ ↑ ↓ ↑ ↓ ↑ ↓ ↑ ↓		cm-scale sand to coarse sand lamina mm-scale color laminae lonestones 91, 38	101	
	20												
	40												
	60												
	80												
5	0	↑ ↓ ↑ ↓ ↑ ↓ ↑ ↓ ↑ ↓				8	49	↑ ↓ ↑ ↓ ↑ ↓ ↑ ↓ ↑ ↓	↑ ↓ ↑ ↓ ↑ ↓ ↑ ↓ ↑ ↓	55	60: soft sed. deform. ✓ 49-63: reverse gradig (R) 66-80: cm-sand/coars sand laminae & lonestone 88-101: reverse gradig (R) lonestones: 75-76 31-5-58 DRM	101	
	20												
	40												
	60												
	80												
6	0	↑ ↓ ↑ ↓ ↑ ↓ ↑ ↓ ↑ ↓				8		↑ ↓ ↑ ↓ ↑ ↓ ↑ ↓ ↑ ↓	↑ ↓ ↑ ↓ ↑ ↓ ↑ ↓ ↑ ↓		88: cm-scale coarse sand bed (R)	124	
	20												
	40												
	60												
	80												

Expedition 374 Ross Sea: U1525 Site: A Hole: 31X Core: 7,8,CC Sections: 0 Top Depth:

Major Lithology: Minor Lithology:

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sed. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
			C	St	Sd	G							
7	0-140	↑ ↓					8				115-130: Reverse grading 0-115-mm-scale color laminae gravel & sand clusters: 43, 66.5, 88, 100-103, 108-110 31-7-117 DR sandy mud 31-8-86	MOO 2-9-18	
8	0-140	↑ ↓					8				23-32: Reverse grading 52-66: clusters of gravel & sand / crudely graded?		
CC	0-140	↑ ↓					8				29.5-35: PAL Core summary: Massive diatom ooze with gravel and sand interbedded with diatom tearing laminated mud. Upper contacts of diatom-oozes with are sharp with and beds display reverse grading. Laminar is color displayed as mm-scale color change and also contains interbeds of cm to mm-scale gravel		

148

144

35

Expedition 374 Ross Sea:

01525

A

32x

1-CC

Site:

Hole:

Core:

Sections:

Top Depth:

Major Lithology:

laminated diatom-rich mud

Minor Lithology:

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sed. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:
			C	St	Sd	G							IS	Feb 9
1	0	8					⑦	↓				2: Gley 2 4/564 (dark green with gray) laminated Mud.		
	20													
	40													
	60													
	80													
	100													
	120													
	140													
	160													
	180													
	200													
	220													
	240													
	260													
2	0	8					⑦	↓				laminated mud		
	20													
	40													
	60													
	80													
	100													
	120													
	140													
	160													
	180													
	200													
	220													
	240													
	260													
CC	0	7 12					④					Mud		
	20													
	40													
	60													
	80													
	100													
	120													
	140													
	160													
	180													
	200													
	220													
	240													
	260													
280														

Expedition 374 Ross Sea: U1525 Site: A Hole: 33X Core: 1-3 Sections: 1-3 Top Depth:

Major Lithology: laminated diatom rich mud Minor Lithology: Mud-rich diatom ooze

Section	Offset (cm)	Drilling disturb.	Lithology				Color	Sed. Structures	Lith. Accessories	Bioturb.	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:
			C	St	Sd	G							IS	Feb 9
1	0						↓				7: Gley 1 4/56Y (dark greenish gray) 8: Gley 2 5/10GY (greenish gray) Laminated mud with color mottling in 0-9, 18-22.			
	20													
	40													
	60	8												
	140	150												
2	0						•••				Laminated mud. Color mottling at 9-12 (bioturbation?) Mouffault at 87.			
	20													
	40													
	60													
	120	122												
3	0						↓				Laminated mud. 0-15: Massive, mottled, bioturbated. 85 → diatom rich mud 81-90 and 105-102: intervals with higher clast content. 85 → Diatom rich mud			
	20													
	40													
	60													
	100													

33-3-50 JRM
33-3-85 JRM

