Expedition 341 S. Alaska Margin: U1418 A 1H 1A 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: MF 24/JUN/13 Date:
0	Mud		2.5Y 4/2					0-3:	
	Mud							* Massive mud (diatom bearing)	
10								* oxidized layer	
								* gradational lower boundary	
20			10Y 4/1					* appearance of brown dots/patches down to 8 cm	
30								* slight bioturbation	
								* patches of diatom ooze possible	
40								3-144:	
								* massive mud (diatom bearing)	
50								* slight bioturbation	
								* interbedded intervals of diatom ooze	
60								↳ 0.5-2.5 cm thick	
								↳ partly bioturbated	
70								↳ bioturbation partly filled with diatom ooze (e.g. 100-103 cm)	
80								↳ patch of ooze with cemented burrow (77.5-82.5)	
90					slight				
100								* very minor colour variations to more brownish & greyish (occasionally)	
110								* Scattered black mottles	
120									
130									
140									
150		SAMPLE						145-150: Sample IW	

Expedition 341 S. Alaska Margin: U1418 | A | 1H | 2A | 0-150

Site: | Hole: | Core: | Section: | Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: MF 24/JUN/13 Date:
0	Mud		10Y 4/1					0-16:	
10								* massive mud (diatom bearing)	
								* interbedded intervals of diatom ooze	
20								↳ 0.5-2.5 cm; occasionally slightly greener	
30	DO							* some black mottles (scattered)	
								* gradational lower boundary	
40								* very little colour variations to more brownish & greyish (occasionally)	
50									
60								16-44	
70					Slight			* diatom ooze	
								* gradational lower boundary	
80								44-146	
								* as 0-18	
90									
100									
110									
120									
130									
140									
150		SAMPLE						146-150: IW	

Expedition 341 S. Alaska Margin: U1418 A 1H 3A 0-70

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: MF 24/JUN/13 Date:
0	Mud		10y 4/4					0-69:	
10								*see section 2, 0-18 cm	
20					slight				
30									
40									
50									
60								69-70: VOID	
70								EOS (End of section)	
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 41418 A 1 4 0-96 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology: sand

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 24.6.'13
0								0-96 cm: very few black mottles gradual color change towards dark gray	
10			10Y 4/1		very slight				
20	sand		N4					16.5-25 cm: more soupy = slightly coarser (fine to medium sand), much qz, little biotite, hornblende (pretty clean)	
30			10Y 4/1						
40	mud								
50									
60									
70	sand		N4					70-72 cm: slightly soupy = fine to medium sized sand (lithic grains; lots of quartz, hornblende, less biotite)	
80									
90	mud								
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 1 CC 0-15cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology: sand

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 24.6.13
0	mud		N4		0			mud	
								7-9cm fine sand	
10	mud							mud	
	X						PAL	15-20cm sample	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 (Site:) A (Hole:) 2H (Core:) 1A (Section:) 4.80 m CSF-A (Top Depth:)

Major Lithology: Mud Minor Lithology:

Logged by: Childrers Date: June 24 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0					none	absent		
10				SOUPY (destroyed)				
20								
30								
40	mud		N4					
50								
60								gradational
70		COLOR BAND		SOUPY (mod)				*thin laminated faint green color bands
80	mud		N4					
90								
100								
110								
120								
130								
140								
150								

Expedition 341 S. Alaska Margin: U418 (Site:) A (Hole:) 2H (Core:) 2A (Section:) 6.30m CSF-A (Top Depth:)

Major Lithology: INTERBEDDED Silt & mud Minor Lithology:

Logged by: Childress Date: JUNE 24 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0				*	none	absent		* all slightly soupy
10								
20				BOWED (SLIGHT to mod.)				
30		COLOR BANDS (CB)						* faint very thin bedded green color bands
40	interbedded silt & mud		N4					interbed: thin laminated silt beds, @ ~1-15cm intervals
50								
60								
70								
80								
84								gradational!
90								84-143: faint very thin bedded gray color bands
100	mud	CB	10Y 4/1					
110							SS112	mud, no bio
120								gradational
121								
130	interbedded silt & mud	CB	10Y4/1	BOWED slight				inter bed: thin lam. silt beds, @ ~2-5cm intervals
140								
143	VOID		VOID					
150	IW					IW		

Expedition 341 S. Alaska Margin: U1418 (Site:) A (Hole:) 2H (Core:) 3A (Section:) 7.80m CSF-A (Top Depth:)

Major Lithology: Mud Minor Lithology:

Logged by: Childress Date: June 24 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0								
10				SOUPY				
20	mud	COLOR BANDS	10Y 4/1	(mod)				thin laminated gray color bands
30								
40								
50								
60								0-62: very sparse black mottling. @62 & 130cm, black mottle.
70								* appear to have been some silt layers, but soupiness has destroyed them.
80								
90								
100								
110								
120								
130								
140								
147	VOID		VOID					
150								

Expedition 341 S. Alaska Margin: U1418 A 2H 4 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-24-13 Date:
0									
10									
16								clast in WH, 0.5 cm, subrounded, argillite	
20			5Y4/1						
30								colour banding 5Y4/1 to 5Y8 N4	
40	mud								
50							050	mud, bioturb, silt bearing	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

→DLV

Expedition 341 S. Alaska Margin: U1418 A 2H 5 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded silt and mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 06-24-13 Date:
0								colour banded 5Y4/1 with N4	
10									
20									
30	interb. silt and mud		5Y4/1					silt laminae	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150								sand patches, lamina	

→ D2 ✓

Expedition 341 S. Alaska Margin: U1418 A 2H 6 0-142

Site: Hole: Core: Section: Top Depth:

Major Lithology: mix bedded silt and mud Minor Lithology: mud

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-24-13 Date:
0	mud								
							S6	coarse silt	
10								colour banding	
20	mud								
30									
40									
50			5Y4/1						
60								mix bedded silt and mud	
70									
80									
90									
100									
110									
120									
130									
140								clast, 2 cm ø, subrounded pegillite in WH!	
150									

→D2 ✓

Expedition 341 S. Alaska Margin: U1418 A 2H CC 0-23

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded silt + mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-23-13 Date:
0									
10									
18 20 23	PAL								
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 (Site:) A (Hole:) 3H (Core:) 1A (Section:) 0-149 (Top Depth:)

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

Logged by: KF Date: 25/JUN/13

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	Mud		N4	slight bowing along liner walls	none			0-149 * interbedded mud and silt * mostly colour banded mud * silt lamina up to ~5 mm thick ↳ > 20 laminae with irregular spacing between < 1 and ~7 cm ↳ sharp to gradational lower & upper boundaries of silt laminae * colour banding to slightly more greenish and greyish (→ towards N5) * Some coarser laminae may contain very fine sand
10								
20								
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

Expedition 341 S. Alaska Margin: U1418 A 3H 2A 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: MF Date: 25/JUN/13
0	Mud		N4					0-145:	
10								≠ exactly as section 1	
								⇒ see there for details	
20								But, 1 granule at 52 cm!	
30									
40									
50				slight bouning along liner walls	none				
60									
70									
80									
90									
100									
110									
120									
130									
140									
150							IW	145-150: Sample IW	

Expedition 341 S. Alaska Margin: U1418 A 3H 3A 0-151

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: MF 25/JUN/13
0	Mud		N4					0-151	
10								*exactly as section 1 ⇒ see there for detail	
20								But, two granules/pebbles at 29 & 78 cm	
30				slight bowing along liner walls	none				
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 3H 4A 0–150

Site: Hole: Core: Section: Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: IF 25/JUN/13
0	MUD		N4	increasing bowing from slight in upper parts to moderate in lower	0			0–144:	
10								↑ exactly as section 1 ⇒ see there for details	
20								But, two lonestones at 122 + 138 (granules)	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150							IW	144–150: Sample IW	

Expedition 341 S. Alaska Margin: 414 18 A 3H 5 0 - 149 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology: Silt

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 25.6.13
0								throughout section: color banding (slightly darker grey bands)	
10			N4		O				
20								interbedded mud & silt: mud with ≤ 1 cm silt laminae	
30								- clast @ 32 cm, ϕ 0.4 cm	
40					O			clast @ 44 cm, ϕ 0.5 cm	
50									
60									
70			N4						
80									
90									
100									
110					O				
120			N4						
130									
140									
150									

bowing (lin. distort.)

Expedition 341 S. Alaska Margin: 41418 A 3H 6 0 - 120 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology: Silt

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 25.6.13
0								- color banding throughout section (N4 to N4-N5)	
10					O			- interbedded mud & silt	
20								→ thin (≤ 1 cm) silt layers.	
30			N4						
40					O				
50				moderate bioturb.					
60									
70									
80					O				
90									
100									
110									
120	X						IW	120-125 : sample	
130									
140									
150									

Expedition 341 S. Alaska Margin: 4X18 A JH 7 0-68 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology: Silt

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 25.6.'13
0								- color banding throughout section	
10	silt		N4					- interbedded mud & silt (≤ 1.5 cm layers)	
20	mud			moderate bowling	0			- few black mottles	
30			N4						
40								color banding frequency increases with depth (but is mainly independent from silty layers)	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 414 18 A 3H CC 0-17 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology: Silt

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 25.6.13
0									
10	Mud		NC	slight	0			interbedded mud & silt (mm-<1cm layers), color banding	
20	X						PAL	17-22 cm: sample	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 4H 1A 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-25-13 Date:
0								colour banded	
10								greenish grey > dark grey > black	
11–14								FeO rich	
20			black N2.5					FeO rich	
30								greenish grey 5GY 3/2	
40			5GY 3/2					dark grey N4	
								black N2.5	
50									
60									
70									
77–78	silt/mud								
80									
90									
100									
110							SS110	mud with silt layers	
120									
130	mud		N4						
140									
150									

Expedition 341 S. Alaska Margin: 1418 A 4H 2A 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-25-13 Date:
0									
10									
20									
30									
40									
50	mud		N4						
60									
70								silty mud	
80								silty mud	
90									
100								silty mud	
110									
120									
130									
140									
150	IW								

Expedition 341 S. Alaska Margin: U1418 A 4H 3A 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-25-13 Date:
0									
10									
20									
30									
40									
45	mud								
50			N4						
60									
70				Possibly disturbed				silty mud	
80									
90								silty mud	
100									
110									
120								silty mud	
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 4H 4A 0–144

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-25-13 Date:
0								clast, subrounded, metabasalt, 15cm Ø	
10									
20									
30									
40	mud								
50			N4						
60				Gravic disturb					
70									
80								black, FeO } silty mud	
90									
100									
110									
120								} black patches FeO	
130			N4					silty mud	
140	mud		5GY3/2						
150	IW								

Expedition 341 S. Alaska Margin: U1418 (Site:) A (Hole:) 4H (Core:) 5A (Section:) 29.80m CSF-A (Top Depth:)

Major Lithology: MUD (DIATOM BEARING) Minor Lithology:

Logged by: Childress Date: JUNE 25 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0					none			0-73: intermittent black mottling
10								
20								
30	diatom bearing mud							
40			5G 4/1			absent		40-53: crack, slight
50								
55							SS56	diatom bearing mud
60								
70								
73								gradational
80				BOWED (slight)				
90	INTER-BEDDED SILT & MUD		N4			absent	SS94	silt (fine) thinly laminated ~~mud~~ layers @ ~1-5cm intervals (maybe fine silt?)
100								
110								107-119: crack, slight
118								
120					122-125: clast			
130	mud		N4					
140								
150								

Expedition 341 S. Alaska Margin: U1418 | A | 4H | 6A | 31.30m CSF-A

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 25 2013
0					none ⇓					
10	Inter-bedded silt & mud		N4	BOWED (slight)		absent		silt beds: thinly laminated (1-3mm), @ ~<1-10cm intervals		
20										
30										
40										
46								→ gradational		
50										
60		COLOR BANDS		BOWED (slight to mod)				faint green (~1cm) color bands		
70	mud		N4			absent		sparse black mottling		
80										
90										
100										
110										
120	IW						IW	121		
								126		
130										
140										
150										

Expedition 341 S. Alaska Margin: U1418 (Site:) A (Hole:) 4H (Core:) 7A (Section:) 32.56 m CSF-A (Top Depth:)

Major Lithology: MUD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 25 2013
0					none	absent				
	mud		N4							
10								gradational		
	INTER-BEDDED SILT & MUD		N4							
19								18-19: dark black band		
20								"		
30								sparse black mottling		
40	mud		N4							
50										
60										
62								"		
	INTER-BEDDED SILT & MUD	COLOR BANDS	N4	SOFT (slight)				black (<1 cm) color bands		
70								73		
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1418 (Site:) A (Hole:) 4H (Core:) CC-A (Section:) 33.29m CSF-A (Top Depth:)

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 25 2013
0				X none	none ↓	absent ↓				
10	mud		N4					black mottling		
20										
	PAL						PAL	24		
30								29		
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1418 (Site) A (Hole) 5H (Core) 1A (Section) 33.30m CSF-A (Top Depth)

Major Lithology: INTERBEDDED SILT & MUD Minor Lithology:

Logged by: Childress Date: JUNE 24 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0				SOUPY (SLIGHT) 7.5		absent		
10	mud		N4		none			
20								
25								25-84, 87-123: very thin (<1cm) green color bands (CB)
30	c.b. interbedded silt & mud w/clay			BOWED (SLIGHT to MOD.)				
40			N4				SS41	calcareous bearing mud ⟹ in bed, 40% silt, 60% clay
								interbedded: thin (<0.5cm) bands of @ ~1-10cm intervals (most beds more N3 than N4)
50		CB						2 lighter gray beds @ 114-116
60								
70								
80	v.b. silt (84, 87)		N3				SS85	volcaniclastic bearing silt (30% glass)
90	c.b. interbedded silt & mud w/clay		N4					
100		CB						volcanic bearing silt
110								
120								
123						present		
130						127cm (>2mm)		
140	mud		10Y 4/1					
150								

Expedition 341 S. Alaska Margin: U1418 (Site) A (Hole) 5H (Core) 2A (Section) 34.80m CSF-A (Top Depth)

Major Lithology: Mud Minor Lithology:

Logged by: Childress Date: June 24 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0						>2mm		
10	mud		N4		none	absent		
20								
30								
40								
50							SS50	mud; no bio
58								irregular
60	sand		N4	soupy heavy				
62								irregular
70	mud		N4			67		
78								78cm: sand
80				BOWED (slight)				
90	mud		N4					
100								gradational
								100-150: black mottling
110								
114	mud		5GY 4/1					gradational
	mud		N4			116		
120								
122								123: ~2mm sand bed
	interbedded sand & mud		N4					
130								
134								
140	mud		N4					
148	VOID		VOID					
150								

Expedition 341 S. Alaska Margin: U1418 (Site:) A (Hole:) 5H (Core:) 3A (Section:) 36.30m CSF-A (Top Depth:)

Major Lithology: MUD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 24 2013
0	mud		N4		none	absent				
2								3-29: black mottling		
10	mud ↓		10Y 4/1							
								*rare beds (thin lam.) & patches of very fine silt		
20										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150	IW					IW				

Expedition 341 S. Alaska Margin: U1418 | A | 5H | 4A | 37.80 m CSF-A

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: MUD Minor Lithology:

Logged by: Childress Date: June 24 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0								
10								
20								
30								
40								
50								
	mud		10Y 4/1					*rare beds (thin lam.) and patches of fine silt
60								
70								
80								
90								
100								
110								
120								
130								
133								
140	mud	COLOR BANDS	5Y 3/1	BOWED (mad.)				*1-4cm thick green color bands
150								

→ DL

Expedition 341 S. Alaska Margin: U1418 A 5H 5 0–145

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded mud and silt Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: KB, 06-24-13 Date:
0									
10	interb. mud and silt		N4					colour banding	
20								interbedded	
30								clay bearing / clay and mud	
40								interbed (silt) 4mm – 10mm thick, some laminae ash, rather silty mud than silt	
50							SS48	17 interbeds / laminae	
60								volcaniclastic bearing silt, ↓ 20%	
70								mud silt bearing	
80							SS81	volcanic ash	
90	interb. mud + silt		N4					sand / ash 5Y 6/1, beige	
100								dark grey 11 silt interbeds / laminae	
110								mud	
120	mud		5Y 4/1				SS115	mud, dark grey / green	
130								silt laminae	
140									
150	IW								

→ DL ✓

Expedition 341 S. Alaska Margin: 1145 | A | 5H | 6A | 0-141

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: mud Minor Lithology: intercalated mud + silt

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-24-13 Date:
0									
10	mud		5/4/1					silt bands	
20									
22									
30	intercal. mud + silt		N4						
40									
42									
50	mud		5/4/1					silt bands	
60									
66									
70	intercal. mud + silt		N4						
80									
82									
90	mud		5/4/1						
100									
110									
120									
130									
140									
150									

→DLV

Expedition 341 S. Alaska Margin: U1418 A 5H 7A 0-62

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-24-13 Date:
0									
10									
20									
30	Mud		5Y4/1						
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

→DLV

Expedition 341 S. Alaska Margin: U1418 A 5H CC 0-14

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-24-13 Date:
0									
	Mud		5Y 4/1						
9									
10	BAL								
14									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 (Site:) A (Hole:) 6H (Core:) 1A (Section:) 42.80m CSF-A (Top Depth:)

Major Lithology: Interbedded Silt & Mud Minor Lithology:

Logged by: Childress Date: June 24 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0					none			0-22: may be some interbeds but D.D too much
10	mud		N4	SOUPY (mod. to high)		abs.		
20				22				
30	INTER-BEDDED SILT & MUD			BOWED (slight to mod.)		present		inter beds: thinly laminated silt (1-3mm thick) @ ~1-10cm intervals
40								40-45: black & green color bands
50							SS55	mud, w/ silt
60								
70								
80								
90								
100								
110								
120								
130					130 (>2mm)			
140								
150								

Expedition 341 S. Alaska Margin: U1418 (Site:) A (Hole:) 6H (Core:) 2A (Section:) 44.30m CSF-A (Top Depth:)

Major Lithology: INTERBEDDED SILT & MUD Minor Lithology:

Logged by: Childress Date: JUNE 24 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0				BOWED	none	present (few granules)		0-150: bowed, slight to mod.
10	INTER-BEDDED SILT & MUD		N4					
20								interbeds: thin laminated silt, @ ~1-10cm intervals
30								
40								
						46 (>2mm)		
50				SOUPY				49-62: soupy: mod. 55: crack, mod.
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

Expedition 341 S. Alaska Margin: U1418 (Site:) A (Hole:) 6H (Core:) 3A (Section:) 45.80 m CSF-A (Top Depth:)

Major Lithology: INTERBEDDED SILT & MUD Minor Lithology:

Logged by: Childress Date: June 24 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (I.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0					none ↓	maybe a few granules in working		
10		COLOR BANDS		BOWED (SLIGHT to mud)				
10–20	INTER-BEDDED SILT & MUD		N4					* faint, 2mm to 2cm green/black bands
70							SS71	→ silt w/ mud
80								83-84: black mottles
88		↓		↓				→ gradational
90–150	mud ↓		N4 ↓					104-105: silt layer
150	IW				IW			

Expedition 341 S. Alaska Margin: U1418 (Site:) A (Hole:) 6H (Core:) 4A (Section:) 47.30m CSF-A (Top Depth:)

Major Lithology: INTERBEDDED SILT & MUD Minor Lithology:

Logged by: Childress Date: June 24 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0					none ⇓	absent		
10								
20								
30	Interbedded Silt & Mud		N4					
40								
50								
60								
70								
80								
90								
98								→ gradational
100	mud		5GY 4/1			abs.		
105								→ gradational
108	sand	N6	N3			abs.	SS107	→ normal graded (NG sand)
110						>2mm ↓ present		
120	mud		5GY 4/1			121		
130						131		
140	OJIM						OJIM	
150								

Expedition 341 S. Alaska Margin: 1141B A 6H 5A 0–150

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded silt and mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, CG-EL-B Date:
0	interb. silt and mud								
10				Fracturs				12 silt laminae, "fossils"	
20			10Y4/1						
30									
36									
40				↓				mud smeared over/along the core surface masking the true stratigraphy	
50	↑ mud ↓ see disturbance								
60				along core dist. mud					
70			10Y4/1						
80									
90									
100									
106									
110	interb. silt and mud ↓		10Y4/1					11 silt laminae, "fossils"	
120									
130									
140									
150	IW								

Expedition 341 S. Alaska Margin: U1418 A 6H 6A 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded silt + mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-24-13 Date:
0									
10									
20	interb. silt and mud		10Y 4/1						
30								8 silt fraws	
40									
50									
60									
70				Cracks					
80									
90									
100									
109									
110							sd/l	sand vf	
112									
120			10Y 4/1					12 silt fraws	
130	interb. silt + mud								
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 6H 7A 0-65

Site: Hole: Core: Section: Top Depth:

Major Lithology: Interb. Bedded silt + mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-7-13 Date:
0									
10	interb. silt + mud		10YR 4/1	Drilling disturb.			SS18	B silt laminae, "bedded" mud	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 6H CC 0-28

Site: Hole: Core: Section: Top Depth:

Major Lithology: white bedded silt + mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-24-13 Date:
0	white silt + mud		10YR 7/1	Cracks					
10									
20									
23									
28	PAL								
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 (Site:) A (Hole:) 7H (Core:) 1H (Section:) 0-150 (Top Depth:)

Major Lithology: interbedded mud + silt Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: LB, 6-24-13 Date:
0									
								colour banded	
10									
20									
30	interb. silt + mud		N4						
								16 silt laminae	
40									
							65	mud, brown	
50								dark laminae, [illegible] mud, occasionally	
								colour banding	
60									
				Drilling disturb.				dark grey-green (minor) 5G 4/1	
70								dark grey (major) N4	
80									
								mud with clay	
90									
100									
110									
120									
	◇					◇		1 clast, subrounded, argillite, 0.4 cm	
130									
140									
150									

Expedition 341 S. Alaska Margin: 11415 A 7H 2A 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded silt & mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-24-13 Date:
0									
10									
20	interb silt & mud		N4					colour band with dark specks, grey 5GY 4/1	
30									
40								34 silt laminae limestone clast, 0.5 cm Ø, rounded, argillite	
50								mud with clay	
60									
70				Scarce					
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 A 7H 3A 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded silt + mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-24-13 Date:
0									
10									
20	interb. silt + mud								
30			N4					colour banding with 5GY 4/1	
40									
45	◇					◇		clast, angular, 1.5 cm ø, argillite	
50									
								25 silt laminae	
60									
								mud with clay	
70									
80				Porous					
90									
100									
110									
120									
130									
140									
150	IW								

Expedition 341 S. Alaska Margin: U1417 A 7H 4A 0-15

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded silt + mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: KB, 6-24-13 Date:
0									
10									
20	interb silt + mud							colour bandi; N4 with 5GY 4/1	
30			N4					lb. silt laminae	
40									
50									
60				Gravel					
70							SS73	silt, vf, 25% mud	
80									
90								colour banded mud	
100	mud		5GY 4/1				SS98	mud with silt	
110								occasional lagers/laminae + patches of black ("anoxic") mud	
120				Gravel				clast, rounded, argillite?, 0.4 cm ø	
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 (Site:) A (Hole:) 7H (Core:) 5A (Section:) 58.30m CSF-A (Top Depth:)

Major Lithology: INTERBEDDED SILT & MUD Minor Lithology:

Logged by: Childress Date: JUNE 24 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0					none ⇓	>2mm		
10								
20	Inter-BEDDED SILT & MUD		N4	BOWED (slight to mod)				
30								
40								
50						48		
60								
70								
74						75		→ gradational
80	mud		5GY 4/1			04(2Y)		→ sparse black mottling
90								
100								
105								→ gradational
110	Inter-BEDDED SILT & MUD		N4	BOWED (slight to mod)				→ sparse black mottling
120								
130								
140								
150								

Expedition 341 S. Alaska Margin: U1418 (Site:) A (Hole:) 7H (Core:) 6A (Section:) 59.80m CSF-A (Top Depth:)

Major Lithology: Interbedded Silt & Mud Minor Lithology: Mud

Logged by: Childress Date: June 24 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0					none ⇓	absent ⇓		
10				BOWED				
20				(slight to mod)				
30	Inter-bedded Silt & Mud (IBSM)		N4					
40								
50								
60								
70								
80								
84								
90	mud	COLOR BANDS	N4					-gray/black color bands, ~1cm thick
100								
103	IBSM		N4	BOWED (s to m)				
110								
111								-sparse gray/black color bands (~1 cm thick)
120	mud		N4					
								127: silt layer
130								
140								
150								

Expedition 341 S. Alaska Margin: U1418 | A | 7H | 7A | 61.30m CSF-A

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: Mud | Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 24 2013
0					none	absent				
				BOWED (slight to mod.)				5-10: black color bands		
10	mud		N4							
20										
27–29	mud		N 2.5/1				SS29	mud		
30										
40	mud		N4					43: black color band		
50										
55										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1418 (Site:) A (Hole:) 7H (Core:) CC-A (Section:) 61.85 m CSF-A (Top Depth:)

Major Lithology: Mud Minor Lithology:

Logged by: Childress Date: June 24 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0					none	absent		
10	mud		N4	BOWED (slight to mod.)				
20								
30 (29–34)	PAL						PAL	
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

Expedition 341 S. Alaska Margin: U1418 (Site:) A (Hole:) 8H (Core:) 1A (Section:) 52.30 m CSF-A (Top Depth:)

Major Lithology: MUD Minor Lithology:

Logged by: Childress Date: JUNE 24 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0					none			
10	mud w/silt		N4					11-14: core liner void, slight to mod.
20								
30								
40								
50	ash		N5				SS51	ash, well sorted 50.5-51.5: gradational upper
60						57- 1cm clast		
70								82, 89, 144: <1cm, fine silt layers
80	mud w/silt		N4					
90								
100							SS100	mud, w/silt
110								
120								
130								
140								135-142: core liner chunk, void, mod.
150								

Expedition 341 S. Alaska Margin: U1418 | A | 8H | 2A | 53.80m CSF-A

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: Mud | Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 24 2013
0					none ⇓	absent ⇓				
10	mud w/silt		N4							
20										
28										
30		CRUSHED								
40		LINER ← VOID								
50										
56.5										
60										
70										
80										
90	mud w/silt		N4							
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1418 | A | 8H | 3A | 55.30m CSF-A

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 24 2013
0	mud silt		N4 5Y 4/1	BOWED.		only large				
10	mud		N4	slight						
20	0					18-19: ~2cm clast				
30										
40										
50										
60										
70										
80										
90	0					86-89: 3cm clast		92, 138cm: ~0.5cm black bands		
100										
110								108: heavily drilling disturbed sand layer		
120										
130										
140										
150	IW						IW			

Expedition 341 S. Alaska Margin: U1418 A 8H 4A 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Interbedded silt + mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-24-13 Date:
0								colour banding N4-5Y4/1	
10	interb. silt + mud		N4					10 silt laminae	
20								3 black laminae, reduced	
30									
40									
50									
60									
70				Green					
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 8H 5A 0-151

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded silt + mud Minor Lithology: mud

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB 6-24-13 Date:
0									
								colour banding N4 - 5GY 4/1	
10	interb. silt + mud								
20			N4						
								11 silt laminae	
30				Gravity Stress					
40							SS39	silt	
50									
60									
								colour banding N4 - 5GY 4/1	
70	mud		N4					pebble, subrounded, argillite	
								granule, subrounded, argillite	
80									
90	interb. mud + silt							colour banding N4 - 5GY 4/1	
100			N4					6 silt laminae	
110									
120				Gravity Stress					
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 8H 6A 0-158

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded silt & mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-24-13 Date:
0									
10									
20									
30	interb silt + mud							2 black laminae, reduced	
40								18 silt laminae	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 8H CC 0-52

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology: sand

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-24-13 Date:
0									
	mud		D4						
10								vole bear, sand	
13.5									
19	sand	△					SS18	sand	
20									
22	△					△		broken clast, ? foraminifera, granules, argillite	
	mud		N4						
30	△					△		rounded clast, granule argillite, sand	
40									
45	PAL								
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 9H 1A 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: MF Date: 25/JUN/13
0	Mud		N4					0-150	
10								* interbedded mud & silt	
20								* ±15 silt laminae	
								↳ continuous & discontinuous	
30								↳ < 7 mm thick	
								↳ spacing ~2- >30 cm	
40								↳ sharp to gradational boundaries	
50								* ~0.5-1 cm thick black discontinuous strata & patches	
60								↳ scattered/irregular	
								* very subtle colour banding to more greyish/greenish	
70								* scattered lonestones (granules)	
80									
90					Slight - moderate				
100									
110									
120				very little bowing					
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 (Site:) A (Hole:) 9H (Core:) 2A (Section:) 0-150 (Top Depth:)

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

Logged by: MF Date: 25/JUN/13

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	Mud		N4					0 - 150
10								* interbedded mud & silt
								* < 10 silty laminae
20								↳ continuous & discontinuous
								↳ < 7 mm thick
30								↳ spacing: 3-50 cm
								↳ sharp to gradational boundaries
40								
								* scattered, ~0.5-1 cm thick black patches & strata
50				very little bioturb.	slight - moderate			
60	reworked? see							* very subtle colour banding to more greyish / greenish
								* 1 pebble in working half ~ 117 cm
70								* scattered lonestones
80								↳ lonestone ~ 70.5 dragged out of silty interval
								↳ reworked?
90								
100								* interval with diatom rich mud ~ 124; thickness unknown, but the larger area around contains rel. few silty laminae & has low magn. susceptibility
110								
120								
130								
140								
150								

Expedition 341 S. Alaska Margin: U1418 A 9H 3A 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: MF 25/JUN/13 Date:
0	Mud		N4					0-5.5	
10					none			* interbedded mud & silt * 4 continuous to discontinuous silt laminae (~2mm)	
20									
30								5.5-27.5	
40								* interbedded sand & mud * 5.5-7.0 (bed of fine sand), 8.5-17.5 (fine to medium sand bed), 2 patches of fine to medium sand between 21-24 cm; 27.0-27.5 (fine sand lamina) ↳ patches: flow in? ↳ bed between 8.5-17.5 with shell fragments	
50									
60									
70					slight				
80								27.5-145:	
90				slight bowing				* interbedded mud & silt * > 25 silty laminae ↳ < 2mm thick ↳ continuous & discontinuous ↳ mostly sharp lower boundary ↳ sharp to gradational upper boundaries ↳ spacing: < 5mm to ~7 cm. ↳ Note: rel. few/no laminae in the ~27 cm below the lowermost sand	
100									
110									
120									
130									
140								* scattered black mottles [* scattered lowerbank] * slight colour banding to greyish/greenish	
150							1W	145-150: Sample 1W [* some intervals with volcanic glass]	

Expedition 341 S. Alaska Margin: U1418 A 9H 4A 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: HF 25/JUN/13
0	Mud		N4					0-150:	
10								* interbedded mud & silt	
20								* > 10 continuous to discontinuous silt laminae (<2 mm)	
30								↳ sharp to gradational, straight to irregular boundaries	
40					slight			↳ spacing ~0.5 - ~50 cm	
50								↳ rel. few laminae above ~111 cm	
60								↳ highest laminae density between ~111 - ~136 cm	
70				slight	moderate			* scattered black mottles	
80								* yellowish/brownish interval with very gradational boundaries between ~55 - ~82 cm	
90								↳ enhanced bioturbation and more black mottles	
100					slight			* scattered limestones (granule)	
110								* slight colour banding to more greyish/greenish	
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 9H 6 0 - 150 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology: silt

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 25.6.13
0								- intensive black mottling	
10	mud		N4					- interbedded mud & silt (silt layers < 1 cm)	
20								- very slight color banding	
30								- clast @ 27 cm, ϕ 1 cm, black well rounded metasediment (in U1H)	
40								- clast @ 34 cm, ϕ 0.5 cm	
50									
60									
70				very slight boring	moderate				
80			N4						
90									
100	mud								
110									
120									
130			N4						
140								clast @ 139 cm, ϕ 0.5 cm	
150									

Expedition 341 S. Alaska Margin: U1418 A 9H 7 0 - 55 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 25.6.13
0								- black mottling	
10	Mud							- mud interbedded with silt (thin silt patches/layers ~ 0.5 cm)	
20	Mud		N4	Slight smearing				less silt layers than in the upper 1-6 sections of this core	
30									
40	Mud								
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 41418 A 9H CC 0-8cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 25.6.13
0	mud		N4	0	slight			mud lift some black mottling	
10	X						PAL	8-13 cm sample	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 (Site) A (Hole) 9H (Core) 5 (Section) 0–150 cm (Top Depth)

Major Lithology: Mud Minor Lithology: Silt

Logged by: JM Date: 25.6.'13

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0								- intensive black mottling (partly more silt here) *
10	mud							→ clayey mud interbedded with silt layers (< 1cm thick)
								→ only slight color banding
20								* concretions (bioturbated mud = fecal pellet)
30			N4					
40	mud				moderate			- moderate bioturbation – esp. where black mottling occurs
								→ here we get some fecal pellets (black silty concretions)
50								
60								
70				slight boring				
80	mud							
90			N4					
100								
110								
120	mud							
130								
140								
150								

Expedition 341 S. Alaska Margin: U1418 A 10H 1A 0-102

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: IF 25/JUN/13
0	Mud		N4					0-7.5; 11-29; 64.5-102:	
1 10	VOID							* massive mud with occasional interbedding of <2mm thick, discontinuous laminae (3 pcs. between ~75-82)	
2 20	Mud							* black mottles	
30								* scattered lonestones (granules)	
40	VOID							* very subtle colour variations to more greenish/greyish	
50	CRUSHED LINER				Slight			54.5-64.5:	
60	Sand							* graded sand from medium to fine	
70	Mud							↳ some mud included ⇒ disturbance related to crushed liner (?)	
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 10H 2A 0-114

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: MF 25/JUN/13 Date:
0	HOLE		N4					0-114:	
	Mud							* mud with biosilica	
10								* generally mud, but intervals with increased amounts of biosiliceous components from 27-45, 77.5-113.	
20								↳ SS: diatom bearing mud	
30	MORE BIOSILICA							↳ SLIGHTLY more greenish	
40								↳ more bioturbated	
								↳ VERY gradational boundaries	
50	Mud							* granule & pebble limestones	
60					slight			* 0-4: hole over half of core	
70									
80								80-82: breccia pebble	
90	MORE BIOSILICEOUS								
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 10H 3A 0 – 98

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Logged by: IF Date: 25/JUN/13

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	Mud (more biosil)		N4					0 – 20.5 ; 62 – 98.
10								* mud with biosilica
20								* generally mud, but intervals with increased amounts of biosiliceous components from 0 – 20.5 ; 62 – 79
30								↳ SLIGHTLY more greenish
40								↳ more bioturbated
								↳ VERY gradational boundary
50								* granule & pebble lonstones
								* gradational lower boundary
60								
70	Mud more biosil.				slight			20.5 – 62:
								* interbedded mud & silt/sand
80	Mud							* mostly mud
								* silt/sand laminae up to ~1.5 cm
90								↳ continuous & discontinuous
100								↳ typically sharp lower boundaries
110								↳ sharp to gradational upper boundaries
120								↳ spacing: <0.5 – ~5 cm
130								* gradational lower boundary
140								
150								

Expedition 341 S. Alaska Margin: U1418 A 10H 4 0–150 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Logged by: JM Date: 25.6.13

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	mud		N4		0			0–6 cm: (silty) mud
10								6–122 cm: slightly greenish grey mud with little black mottles (= bioturbation)
20			10Y 4/1				SS (25)	diatom bearing mud
30	mud			0				
40								lithified burrow @ 46 cm (Ø 1 cm)
50								
60								
70	mud				slight		SS RZ	diatom-rich mud (rads & spicules, too)
80			10Y 4/1					
90				0				
100								clast @ 94 cm, Ø 1 cm, sub-rounded metasediment; 2 clasts @ 101 cm, Ø 0.5 cm; clast @ 105 cm, Ø 1 cm, granitoid
110								clast @ 110 cm, Ø 0.5 cm
120								clast @ 117 cm, Ø 2 cm, sub-angular black Qz bearing metasediment
130	mud		N4		0			clast @ 135 cm, Ø 0.5 cm
140								
150								148–150 cm, slightly coarser

Expedition 341 S. Alaska Margin: 41418 | A | 104 | 5 | 0 – 138 cm

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: Mud | Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 25.6.13
0								clayey mud, very slight color variations	
10								– almost no color banding (only very subtle color changes)	
20	mud		N4		0			– few very thin silty layers in the lower part	
30									
40									
50									
60				slight boring					
70									
80								clast @ 76 cm, Ø 1 cm, sub-rounded, black sedimentary (metasilt etc.)	
90	mud		N4	few cracks	0				
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 10H 6 0–135 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology: Silt

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 25.6.'13
0								clast @ 4 cm, ϕ 0.5 cm	
								" 6 cm, ϕ 0.5 cm	
10								" 17 cm, ϕ 0.5 cm	
			N4						
20					O			clast @ 20 cm, ϕ 1 cm, surrounded by sediment	
30									
40								clast @ 40 cm, ϕ 0.3 cm	
50	mud		N4						
				?					
60					O			silt layers (~ 0.5 cm thick)	
70				slight				↓ mud interbedded with silt (thin layers)	
80									
90									
	silty				O				
100									
	mud		N4						
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 10H 7 0-110 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 25.6.13
0								mud interbedded with very thin silt layers (≈ 0.5 cm thick)	
10									
20	silt				0				
30			N4						
40								clast @ 45 cm, ϕ 1.5 cm subrounded metasediment	
50									
60									
70					0			clast @ 71 cm, ϕ 1 cm, subrounded metasediment (in WH)	
80	silt		N4						
90									
100								clast @ 100 cm, ϕ 0.5 cm	
110								clast @ 105 cm, ϕ 0.5 cm	
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 41418 A 10H 8 0 - 27cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology: silt

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 25.6.13
0									
10			N4	slight x sev. -y	0			clayey mud with few silty layers 0-2cm clast, ϕ 2cm, subrounded, metasediment	
20								→ very thin (<0.5cm) silt layers	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 41418 A 10H CC 0-37 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 25.6.13
0									
	mud								
10			N4		O			- clayey massive mud - one silt layer (< 0.5 cm)	
20								clast @ 22 cm, ϕ 1 cm, subrounded metasediment	
30								clast @ 24 cm, ϕ 0.5 cm	
40	X						PAL	37-42 cm sample	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 | A | 11H | 1A | 0-150

Site: | Hole: | Core: | Section: | Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: MF 25/JUN/13
0	Mud		N4					0-150:	
10								* interbedded mud & silt/sand	
20								* mainly colourbanded mud	
								↳ SLIGHT colour variations to lighter & darker grey	
30									
1								* silt/sand laminae	
40				½ moderate bowling				↳ continuous to discontinuous	
								↳ < 5 mm	
50								↳ mostly sharp lower boundaries	
								↳ sharp and gradational upper boundaries	
60								↳ Spacing ~1 - ~40 cm	
								↳ > 10 pcs	
70					Slight			* scattered black mottles	
80								* one granule clast	
90								▽ ! silt/sand laminae often associated with darker colour bands or substituting darker colour bands	
100				Moderate bowling					
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 11H 2A 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: MF Date: 25/JUN/13
0	Mud		N4					0-150:	
10								* interbedded mud & silt/sand	
								* mainly colour banded	
20								↳ SLIGHT colour variations to lighter & darker grey	
30								* silt/sand laminae	
40								↳ continuous to discontinuous	
								↳ < 1 cm	
50								↳ ~ 10 pcs	
								↳ mostly sharp lower boundaries	
60								↳ sharp to gradational upper boundaries	
70								↳ spacing: ~5 mm – ~45 cm	
80								* scattered black mottles + one strata around 56 cm	
90								* scattered silt/sand patches	
								↳ bioturbated?	
100								* scattered granules + pebble clasts	
110									
120									
130									
140									
150									

slight to moderate bowing

slight to moderate

Expedition 341 S. Alaska Margin: U1418 A 11H 3A 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: MF 25/JUN/13
0	Mud		N4					0-150	
10								* interbedded mud & silt/sand	
								* mainly colour banded	
20								↳ SLIGHT colour variations to lighter & darker grey	
30								* silt/sand laminae	
40								↳ continuous to discontinuous	
								↳ < 5 mm	
50								↳ > 30 pcs	
								↳ mostly sharp lower boundaries	
60								↳ sharp to gradational upper boundaries	
								↳ spacing: ~5 mm – ~20 cm	
70					Slight				
80								* scattered black mottles + one strata around 14 cm	
90								* scattered silt/sand patches	
								↳ bioturbated	
100								* rel. large dark & light intervals between ~52-138	
110									
120									
130									
140									
150							IW	145-150: Sample IW	

Expedition 341 S. Alaska Margin: U1418 A 11H 4 0–150 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Logged by: JM Date: 25.6.13

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0								☆ clayey mud with few silt layers (patches 5–10 cm: fine/medium sized sand bed – sharp lower boundary, fining upward
10								
			N4		O			
20								clast @ 20 cm, ϕ 2 cm, subrounded metasediment
								clast @ 19–23 cm, ϕ 5 cm, subrounded, fine-grained black metasediment (i-WH)
30								
40								
								73–133 cm: slightly lighter greenish gray clayey mud (few black mottles)
50								
60								
				slight bioturb.				
70								clast @ 74 cm, ϕ 1 cm (subrounded)
								clast @ 75 cm, ϕ 0.5 cm (i-WH)
								clast @ 78 cm, ϕ 1 cm (i-WH)
80								
90								
			5GY 4/1					
100								clast @ 103 cm, ϕ 0.5 cm (i-WH)
110					slight			
120								
130								clast @ 131 cm, ϕ 1 cm (i-WH)
		color change						
140			N4		O			clast @ 146 cm, ϕ 1 cm (i-WH)
150								

Expedition 341 S. Alaska Margin: 64418 A 11H 5 0–150 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology: Silt

Logged by: JM Date: 25.6.13

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0								interbedded mud & silt – very slight color banding
10								
20	mud		N4					
30								
40								
50	mud	slight color banding			very slight			
60				moderate bowing				60–83 cm: silty layers (each ca 0.5 cm thick), eroded/irregular boundaries
70								
80								
90								86–89 cm: fine–medium sized sand, lithic grains (biotite, ...) sharp erosive lower boundary, fining upward
100								
110			N4					
120								
130								
140								silty patch / layer
150								

Expedition 341 S. Alaska Margin: U1418 A 11H 6 0-150cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology: Silt

Logged by: JM Date: 25.6.13

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0								
10			N4					clast @ 7.5 cm, ϕ 1 cm, sub-rounded, siltstone (~WH)
20	mud							clast @ 10-12 cm, ϕ 3 cm mica-bearing (metasediment?) rock
30								
40								clast @ 35 cm, ϕ 1 cm, sub-rounded metasediment (~WH)
50								
60				slight bowing	no to slight			→ interbedded mud silt (dispersed patches & thin (< 0.5 cm) layers)
70								↳ discontinuous shape, irregular eroded boundaries
80			N4					→ v. slight color banding
90								
100								
110	mud							
120								
130								
140	mud							
150								

Expedition 341 S. Alaska Margin: U1418 A 11H 7 0-62 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JH Date: 25.6.13
0									
10								interbedded mud & silt → thin silt layers (~0.5 cm)	
20	mud		N4	moderate bowing	0				
30									
40	mud							37-62 cm lines bended & not completely filled	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 1H CC 0-15cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology: silt

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 25.6.13
0									
	mud		N4	X	0			mud with silt layers (~0.5cm)	
10								crack @ 8-9cm	
	X						PAL	15-20cm sample	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 12H 1A 0–150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Logged by: TF Date: 25/JUN/13

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	Mud		N4					0–3.5 mousse like 0–135: * interbedded mud & silt/sand * barely visible colour variations to slightly lighter & darker grey * scattered black mottle (very few) * scattered silt/sand patches ↳ bioturbation? * scattered granule & pebble clasts
10								
20								
30								
40								
50								*Silt/sand Laminae ↳ continuous to discontinuous ↳ < 10 mm ↳ > 15 pcs ↳ mostly sharp lower boundaries ↳ sharp to gradational upper boundaries ↳ spacing ~5 mm – ~10 cm ↳ more or less absent above 54 cm
60				slight burrow	slight			
70								
80								
90								
100								100 cm: clast of mica-rich metamorphic rock
110								
120								
130								
140	X							135–150 cm SAFF sample
150								

Expedition 341 S. Alaska Margin: U1418 A 12H 2A 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HF 25/JUN/13 Date:
0	Mud		N4					0-135:	
10								* interbedded mud & silt/sand	
								* scattered black mottles	
20								* scattered silt/sand patches	
								* scattered granule/pebble clasts	
30									
40								* silt/sand laminae	
								↳ continuous to discontinuous	
50								↳ < 3 mm	
								↳ ~10 pcs	
60				slight bioturb	slight			↳ relatively scattered	
								↳ mostly sharp lower boundaries	
70								↳ sharp to gradational upper boundaries	
80								↳ spacing: ~1cm – ~30cm	
								↳ absent above 64cm	
90									
100									
110									
120									
130									
140							07IM	135-150: Sample 07IM	
150									

Expedition 341 S. Alaska Margin: U1418 A 12H 3A 0–150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: PF 25/JUN/13
0	Mud		N4					0–145	
10								* interbedded mud & silt/sand	
								* scattered black mottles	
20								* scattered silt/sand patches	
								↳ bioturbation	
30								* scattered granule clasts	
40								* silt/sand laminae	
50								↳ continuous to discontinuous	
								↳ < 5 mm	
60								↳ > 20 pcs	
								↳ mostly sharp lower boundaries	
70				slight bioturbation	slight			↳ sharp to gradational upper boundaries	
80								↳ spacing: ~1 – ~30 cm	
90									
100									
110									
120									
130									
140									
150							IW	145–150: Sample IW	

Expedition 341 S. Alaska Margin: U1418 A 12H 4A 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Logged by: MF Date: 25/JUN/13

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	Mud		N4					0 - 122
10								* interbedded mud & silt/sand
								* scatted black mottles
20								* scatted silt/sand patches
								↳ bioturbation?
30								* scattered granule & pebble clasts
40								* 65, 70: pebbles of metasediments?
								* slight colour variations
50								below ~70 cm
								↳ to slightly more greenish/
60				slight bioturb				reddish-brownish
70								* silt/sand laminae
								↳ continuous to discontinuous
80								↳ < 1 cm
								↳ ~10 pcs
90					slight			↳ mostly sharp lower boundary
								↳ sharp to gradational upper boundary
100								↳ rel. scatted
								↳ spacing ~1 cm - ~30 cm
110								
120	SAND				NONE			122 - 125
	Mud							* sand
130								* Grading from medium to fine
								* erosive lower boundary
140					slight			* irregular upper boundary
								125 - 150.
150								↳ see 0-122

Expedition 341 S. Alaska Margin: 414-18 A 12H 5 0–150 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology: Silt

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 25.6.13
0								- interbedded mud & silt	
10	mud							- very slight color banding	
20								! silt layers are very thin (≤0.5 cm) with sharp boundaries and irregular/eroded? shape	
30									
40	mud	color bands	N4						
50									
60				slight bowing	very slight				
70									
80									
90									
100	mud		N4						
110									
120									
130									
140	mud								
150									

Expedition 341 S. Alaska Margin: U1418 A 12H 6 0 – 150 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology: Silt

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 25.6.13
0									
10	Mud							- interbedded mud & silt - slight color variations	
20								- silt layers are very thin (≤ 0.5 cm) often discontinuous	
30								clast @ 26.5 cm, ϕ 0.5 cm	
40			N4		0			clast @ 43 cm, ϕ 0.5 cm	
50	Mud								
60									
70									
80									
90				moderate bioturbating					
100									
110	Mud								
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 12H 7 0–58 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: sand Minor Lithology: silt

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 25.6.13
0									
10								- interbedded sand with thin (0.5 cm) silt layers (very discontinuous)	
20					0			- very slight color variations	
30	sand		N4						
40									
50									
60				moderate swirling					
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 41417 A 12H CC 0-30cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology: silt

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 25.6.13
0									
	Mud			moderate drilling disturb.				(interbedded) Mud with	
10		U	N4		0			silt layers: discontinuous (~0.5cm thick)	
20									
	Mud								
30	X						PAL	30-35cm sample	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 (Site:) A (Hole:) 13H (Core:) 1A (Section:) 107.30m CSF-A (Top Depth:)

Major Lithology: Mud Minor Lithology:

Logged by: Childress Date: June 25 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0				MOUSSE LIKE (destroyed)	none ↓	none		may contain pieces of liner
10								
20								
30								
40	mud		N4	SOUPY (slight to mod.)				-occasional thin laminated silt layers, but very disturbed
50								
60								
70								
80	END							83
90								
100								
110								
120								
130								
140								
150								

Expedition 341 S. Alaska Margin: U1418 (Site) A (Hole) 13H (Core) 2A (Section) 110.13m CSF-A (Top Depth)

Major Lithology: MUD Minor Lithology: INTERBEDDED SILT & MUD

Logged by: Childress Date: JUNE 25 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0				SOUPY (mod) ⇓	none ⇓	absent		
10								
20								
30								
40	mud		N4					
50								
60								
70								
80 (79)	INTER-BEDDED SILT & MUD (IBSM)		N4					gradational
90								"
100								
110	mud		N4					
120								
130 (128)	IBSM		N4					"
(131)	mud		N4					"
140	END							138
150								

Expedition 341 S. Alaska Margin: U1418 (Site) A (Hole) 13H (Core) 3A (Section) 111.51 m CSF-A (Top Depth)

Major Lithology: Mud Minor Lithology:

Logged by: Childress Date: June 25 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0					none ⇓	absent ⇓		
10				BOWED (mod)				
20								
30	mud		N4	SOUPY (mod)			5530	mud, no bio - several thin laminated silt layers, maybe clay, but too disturbed to describe well
40								
50								
60	END							62
70								
80								
90								
100								
110								
120								
130								
140								
150								

Expedition 341 S. Alaska Margin: U1418 (Site) A (Hole) 13H (Core) 4A (Section) 112.13m CSF-A (Top Depth)

Major Lithology: INTERBEDDED SILT & MUD (w/ CLAY) Minor Lithology: MUD

Logged by: Childress Date: JUNE 25 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0								
10	mud		N4		none	absent		
15								→ gradational
20								
30	INTER-BEDDED SILT & MUD w/ clay		N4	BOWED (mod.)				– thin to laminated layers/interbeds of silt, some N5 @ ~1-10cm intervals, some clay mixed w/ silt ↳ most disturbed by drilling
40								
50				GAS EXP. (slight)				
60								
70								
80								
90								
100								
110								
120								
130								
140								
145	VOID				VOID		VOID	
147	END							
150								

Expedition 341 S. Alaska Margin: U1418 A 13H 5A 0-128

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded silt + mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-25-13 Date:
0				Grows wood to base					
10							SS10	? coarse silt mud silt interbed's muddy	
20									
30								31 silt laminae	
40									
44									
50			N4						
60									
70				Gas, gas: explosive					
80									
85									
90	interb silt + mud								
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 13H 6A 0–140

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded mud + silt Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-25-13 Date:
0									
10									
20									
30	interbed. silt + mud								
40			N4	Crosscuts mud at 40 cm					
50									
60									
70								29 silt laminae	
80									
90									
100									
110								sand	
118	sand		10YR 4/1				SS117	small load casts at base	
120	interbed. silt + mud								
130			N4						
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 13H 7A C

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded silt + mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-25-13 Date:
0									
10	interb								
15									
20	B							small clast, granule, ash-like? large clast, small pebble in GH, ash-like?	
30	GH +								
40	mud		N4						
50								89 silt laminae	
60									
70									
80									
90									
100									
110							3114	silt	
120									
130									
140	mud		N4						
143									
150									

Grass wood

Expedition 341 S. Alaska Margin: U1418 A BH CC 0-75

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded silt + and Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-25-13 Date:
0									
10								black patches, FeO	
20	Mud		N4						
30									
40									
47				Bag					
50									
60									
66	0					0		small clast, 0.6 cm, rounded, basalt?	
70	VAL								
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 14H 2A 0-10

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded silt + mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-25-13 Date:
0									
10									
20	interb silt + mud							colour boundary N3 < 5Y 3/2	
30									
40			5Y 3/2					lb silt Quartz	
50									
60									
70				Drilling disturb					
80							SS8	muddy barren	
90									
100									
110									
120									
130									
140									
150	IW								

Expedition 341 S. Alaska Margin: U1418 A 14H 1A 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded silt + mud Minor Lithology: sand

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-25-13 Date:
0	interb. silt + mud								
10			N3					3 silt laminae	
20								colour banding N3 > 5GY 3/2	
30									
34–37	sand	△	N4				SS36	sand	
40						◇		clast, fine grained sdst. in (N4) subangular, 1.5 cm Ø	
50	interb. silt + mud			Gravity slump					
60								15 silt laminae	
70			5GY 3/2						
80								colour banding N3 < 5GY 3/2	
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 (Site:) A (Hole:) 14H (Core:) 3A (Section:) 121.40m CSF-A (Top Depth:)

Major Lithology: INTER-BEDDED SILT & MUD Minor Lithology:

Logged by: Childress Date: JUNE 25 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0								
10				BOWED (mod)				
20							SS25	silt
30								*sparse black mottling
40								-silt thinly laminated layers @ ~1-10cm intervals, some N5
50								
60								
70								
80	INTER-BEDDED SILT & MUD		N4		none	absent		
90								
100							101	
110								
120								
130								
140								
150								

Expedition 341 S. Alaska Margin: W418 (Site:) A (Hole:) 14H (Core:) 4A (Section:) 122.41 m CSF-A (Top Depth:)

Major Lithology: INTERBEDDED SILTS MUD Minor Lithology:

Logged by: Childress Date: JUNE 25 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0								
10								
20	INTER-BEDDED SILTS MUD		N4	MOUNED (mid to high)	none	absent		
30								-silts thinly laminated layers @ ~1-10cm intervals, some N5
40								
50								
60								
70								70
80								
90								
100								
110								
120								
130								
140								
150								

Expedition 341 S. Alaska Margin: U1418 (Site:) A (Hole:) 14H (Core:) CCA (Section:) 123.11m CSF-A (Top Depth:)

Major Lithology: MUD Minor Lithology:

Logged by: Childress Date: JUNE 25 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0								
				~~				crack @ 4 cm, slight to mod
10								
	mud		N4		none	absent		patches of silt @ 6, 8, 15 cm
20								
								25
	PAL						PAL	
30								30
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

Expedition 341 S. Alaska Margin: U1418 (Site:) A (Hole:) 15H (Core:) 1A (Section:) 123.10m CSF-A (Top Depth:)

Major Lithology: INTER-BEDDED SILTS MUD (W/ CLAY) Minor Lithology: MUD

Logged by: Childress Date: JUNE 25 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0						absent		
10				BOWED (slight)				
20	INTER-BEDDED SILTS MUD (w/ clay)							silts: thinly laminated, @ ~1-5cm intervals, some N5.
30			N4		none			
40	IBSM w/clay							
43								gradational
50								48-65: black mottling
60						>2mm ↓ present		
70						72, 74		
80	mud		N4		none	82		
90						88		
100								
110								
120								
122								gradational
130	IBSM w/clay		N4	BOWED (slight)		absent		silts: thinly laminated, @ ~1-5cm intervals, some N5
140								
150								

Expedition 341 S. Alaska Margin: U1418 (Site:) A (Hole:) 15H (Core:) 2A (Section:) 126.10m CSF-A (Top Depth:)

Major Lithology: INTERBEDDED SILT & MUD Minor Lithology: MUD

Logged by: Childress Date: JUNE 25 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0								
10								
20	Inter-BEDDED SILT & MUD (IBSM)		N4	BOWED (slight to mod)	none	absent	SS22	mud, no bio; silts: thinly laminated, @ ~1-10 cm intervals, some N5
30								
40								
47								gradational
50		w/ patches or blebs						50: N5 sand patch
60						present		
70	mud		N4					
	sand					74 (?? mm)		74-82: heavily disturbed sand layer
80								
86								gradational
90								
100	IBSM		N4			absent		silts: thinly laminated, @ mostly 1-2 cm intervals
110								
120								gradational
130	mud		N4		none	absent		
140								
150								

Expedition 341 S. Alaska Margin: U1418 A 15H 3A 0-121

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded silt + mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-25-13 Date:
0									
10	interb. silt and mud		5GY 3/1					colour banded 5GY 3/1 > N3	
20									
30								5 silt laminae	
40									
50				Gravity core					
60							SS60	mud, barren	
70								granule, angular, granule in WH!	
80									
90									
100									
106									
110								sand patch, core disturbance, cross cutting fissures of mud	
112									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 11415 A 15H 4A 0-67

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded silt + mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-25-13 Date:
0									
10	interb mud + silt		5Y 3/1					occasional patches, black, FeC	
20							SS26	silt with mud	
30				Lig 2				lighter coloured muddy silt	
40								ll silt laminae	
50									
60				Sources					
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 15H CC 0-21

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded silt + mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-25-13 Date:
0	interb silt + mud		10Y 3/1	fossils				lt. silt laminae	
10									
16									
20	RAL								
21									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 (Site) A (Hole) 16H (Core) 1A (Section) 127.80m CSF-A (Top Depth)

Major Lithology: MUD (W/ SILT) Minor Lithology: INTERBEDDED SILT & MUD

Logged by: Childress Date: JUNE 25 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0					none ⇓			
10								
20								
30				BOWED (mod. to high)			5535	mud, no bio
40								
50	mud w/ silt	w/ patches of silt	N4					- silty patches throughout that may have been layers/interbeds, but destroyed.
60						present		
70						73 (>2mm)		
80								
90								
100								
110								
118								
120	INTERBEDDED SILT & MUD		N4	BOWED (slight to mod	none	present		silts: thin laminated, @ 1-3 cm intervals, normally graded, some N5
130								
140						144 (>2mm) 145 (")		
150								

Expedition 341 S. Alaska Margin: U1418 (Site:) A (Hole:) 16H (Core:) 2A (Section:) 129.30m CSF-A (Top Depth:)

Major Lithology: INTER BEDDED SILT & MUD Minor Lithology:

Logged by: Childress Date: June 25 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0						present		
10	INTER-BEDDED SILT & MUD		N4	BOWED (slight to mod.)	none			
20						17-(>2mm)		silts; thinly laminated to laminated (1mm to 1cm), @ <1 to 10cm intervals (mostly), some N5, many normally graded thicker layers
30								
40							SS38	silt, no bio
50								
60								
70								
80								
90								
100								
110								
120								
130								
140	IW						IW	140
150								150

Expedition 341 S. Alaska Margin: U1418 A 16H 3A 0-112

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded silt + mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-25-13 Date:
0									
10								colour banding weakly developed, N4 > N3 dark grey => very dark grey silt up	
20									
30	interb mud + silt		N4				SI25	10 silt laminae	
40									
50									
60				Heavy					
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 1148 A 16H 4A 0-61

Site: Hole: Core: Section: Top Depth:

Major Lithology: ultra bedded mud + silt Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: B, 6-25-13 Date:
0									
	ultra bed							color banding varies,	
10	silt +							N4 > N3	
	+								
20	mud		N4						
30								14 silt laminae	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1415 A 16H CC 0-23

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded silt + mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-25-13 Date:
0	interb. silt + mud			Gravity core				2 silt laminae	
10									
18									
20	PAL								
23									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 17H 1 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology: interbedded silt + mud

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0						clasts present			
10	interb. silt + mud			slight to mod.					
20			N4					8 silt laminae rounded pebble, small lam, ? argillite?	
30									
40				frozen,					
50									
57									
60	mud					clast present	SS65	mud, barren black particles present, FeO	
70									
80									
90			N4						
100				frozen, slight to mod					
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 1148 A 17H 2 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded silt + mud Minor Lithology: sand

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-25-13 Date:
0			N4					sand	
25						clast present			
10									
20									
30	interb. silt + mud			slight to mod					
40								23 silt laminae	
50			N4						
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 | A | 17H | 3 | 0 - 104

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: interbedded silt + mud Minor Lithology: mud

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: KB, 6-25-13 Date:
0									
10	mud		N4						
20									
30									
40			N4	Stones, slight				sand	
42									
50									
60	interb. silt + mud							8 silt laminae	
70			N4						
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 111418 | A | 17H | 4 | 0-74

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: interbedded silt + mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-25-13 Date:
0	interbedded mud + silt		N4						
10			N4				SS8	sand	
20	interbedded silt + mud		N4	Soupy sediment					
30								17 silt laminae	
40									
50							SS2	silt	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 17H CC 0-34

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded silt + wood Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: KB, 6-25-13
0	interb. silt + wood		N4					3 silt laminae	
10									
20									
30	PAL								
34									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 18H 1A 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded silt + mud Minor Lithology: sand

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-25-13 Date:
0									
10	interb. silt + mud								
20			N4					9 silt laminae	
30									
40									
50		△	N4	slight to moderate			SS50	sand silt (less 10% disturbed)	
60									
70	interb. silt + mud						2265	mud/barren	
								7 silt laminae	
80			N4						
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 111418 | A | 18H | 2A | 0 - 140

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: interbedded silt + mud Minor Lithology: mud

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-25-13 Date:
0								massive mud	
10	mud		N4						
20									
30	interb. silt + mud								
40									
50			N4	fizzing slight + mud				16 silt laminae	
60									
70									
80									
90									
100			N4						
110						clasts present			
120	mud		N4						
130									
140									
150	IW								

Expedition 341 S. Alaska Margin: 1146B A 18H 3A 0-145

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded silt + mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-25-13 Date:
0						clasts present			
10	interb silt + mud								
20									
30									
40			N4						
50								? silt laminae	
55	◇					◇		granule, 0.4 cm, angular, ?arsilite?	
60									
65	◇					◇		1 cm, subangular, ?arsilite?	
70									
80									
90									
100							SS100	silt with mud	
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 18H CC 0-24

Site: Hole: Core: Section: Top Depth:

Major Lithology: Interbedded silt + mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: KB, 6-25-13
0	Interb silt + mud		N4					Li silt laminae	
10									
19									
20	PAL								
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 19H 1A 0–150

Site: Hole: Core: Section: Top Depth:

Major Lithology: wwd Minor Lithology: wtb bedded silt + wwd

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-15-13 Date:
0									
10								9 silt laminae	
20	wtb silt + wwd		N4						
30							SS30	wwd with silt	
40									
50									
60									
70						clasts present		granule, 0.3 cm, subrounded, ash?	
80									
90	wwd								
100			N4					2 cm, rounded, siltstone	
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 19H 2A 0-151

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-25-13 Date:
0						Clasts present			
10									
20	Mud		N4	Slight					
30									
40									
49									
50		△	N4	Bioturb.				sand	
						Clasts present			
60									
70	Mud		N4						
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 1148 A 9H 3A 0-112

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology: sand

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-25-13 Date:
0						clasts present			
	mud								
10			N4						
20									
30									
40									
46.5									
48		△	N4				SS48	sand	
50									
60			N4						
	△								
70							△	clast, granule, subangular siltstone?	
	mud								
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 19H 4A 0-66

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded silt + mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: KB, 6-25-13
0									
10	interb silt + mud								
20			N4						
30				drilling disturb			SS28	15 silt laminae silt	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 11148 A PH CC 0-48

Site: Hole: Core: Section: Top Depth:

Major Lithology: thin bedded silt + mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-25-13 Date:
0									
	thin bed silt + mud		N4	Good				5 silt laminae	
10									
20				Very slight					
21									
	PAL								
26									
30	mud		N4					lower tone, lam, siltstone, subrounded	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 20H 1A 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded silt + mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: NB, 6-25-13 Date:
0									
10	interb. silt + mud								
20									
30								21 silt laminae	
40			N4					a few patches of black sands	
50									
60									
70				frozen slight					
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 111418 A 20H 2A 0–150

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded silt + mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-25-13 Date:
0						clasts present			
10	interb. silt + mud							granule, subrounded	
20								8 silt laminae	
30			N4						
39 40								granule, subangular	
50									
60 61 64	sand		N4					sand	
70						clasts present			
80 83	interb. silt + mud		N4						
90								9 silt laminae	
100									
110									
120									
130									
140									
150	IW								

Expedition 341 S. Alaska Margin: 1114S A 20H 3A 0-105

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded silt + mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-25-B Date:
0						clasts present			
10	interbedded silt + mud								
20									
30									
40			14	Drilling disturb.			SS42	8 silt laminae silt	
50									
60									
70	0						0	clast, subrounded, 1 cm, siltstone?	
80									
90									
100	0/114								
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 11478 A 2H 4A 0-60

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded silt + mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-25-13 Date:
0									
10	interb. silt + mud						SS14	silt 18 silt laminae	
20			N4	Broken disturb.					
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 20H CC 0-

Site: *Hole:* *Core:* *Section:* *Top Depth:*

Major Lithology: interbedded silt + mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: KB, 6-25-13
0	interb. silt + mud		N4					3 silt laminae	
10									
20	PAL								
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 21H 1A 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: MF	Date: 26/JUN/13
0	Mud		N4		slight - moderate			0-150 * diatom bearing mud * scattered black mottles * scattered silt patches (<5mm) * scattered lonestones (granules & pebbles) * gradational lower boundary * diatom amounts vary significantly throughout the unit from barren to diatom ooze; however, even though we tried to utilize physical properties it was not possible to define boundaries for ooze intervals & after a long discussion within the group we decided to call this unit "diatom-bearing mud"		
10										
20										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1418 A 21H 2A 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: MF Date: 26/JUN/13
0	Mud		N4					0-59	
10								* massive mud	
								* scattered black mottles	
20								* scattered silt patches (<5 mm)	
								* 1 patch of carbonate (~2mm; ~20 cm depth)	
30								* 1 lonestone (granule)	
								* gradational lower boundary	
40									
50									
60					light to moderate			59-150:	
								* interbedded mud & silt/sand	
70								* silt to fine sand beds/laminae	
								↳ max. 1.5 cm thick	
80								↳ continuous & discontinuous	
								↳ sharp lower boundaries (erosive)	
90								↳ sharp & gradational upper boundaries	
100								↳ massive to graded ↳ 123.5-125	
								↳ some slightly lighter than matrix	
110								↳ spacing typically ~5 mm - ~10 cm ↳ except of in sect. 3, below ~60 cm ↳ no lam. there	
								↳ ash patches ~143.5-145.5	
120								↳ 20+ pcs.	
								* scattered silt/sand patches	
130								* few black mottles	
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 21H 3A 0-111

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0			N4					0-111	FF 26/JUN/13
10								* see section 2, 59-150	
								↳ ~25 pcs	
20								↳ no silt/sand laminae below ~60 cm (only scattered patches	
30								↳ max 0.5 cm thick	
40					slight-moderate			* 1 granule clast	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 21H 4A 0-62

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: MF Date: 26/JUN/13
0	Mud		N4					0-31.5:	
10								* see section 2, 59-150	
								↳ 3 discontinuous laminae	
20								* gradational boundary	
								* dark patch around 19.5	?
30									
	Mud							31.5-62:	
40					slight - moderate			* massive mud	
								* scattered ash patches	?
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 21H CC 0-35

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: MF Date: 26/JUN/13
0	Mud		N4		slight-mod.			0-27	
10								massive mud	
20								* few white fragments (< 1.5 mm) → most probably not carbonates, because of no reaction with HCL	
30	SAMPLE							27-35: SAMPLE PAL	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 22H 4 0-60cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology: silt

Logged by: JM Date: 26.6.13

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0								0-32 cm silty mud with few bioturbated black mottles
10			10Y 4/1		slight			
20								
30								2 clasts @ 27 & 28 cm, ϕ 0.5 cm
40			N4		none			32-60 cm: interbedded mud & silt; silt layers (~0.4 cm) with sharp lower boundaries
50								clast @ 32-36 cm, ϕ 4 cm, fine-grained black metasiltstone (argillite?)
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

Expedition 341 S. Alaska Margin: U1418 A 22H CC 0-22 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud & silt Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 26.6.13
0									
10	interbedded mud & silt		N4	0	0			mud interbedded with silt - thin (0.4 cm) layers of silt with sharp lower boundaries	
20									
25	X						P.A.L	22-27 cm 1 sample	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 41418 A 22H 1 0-150cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Logged by: JH Date: 26.6.13

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0			N4					0-6cm: fluffy appearance (silt-rich)
10								sand lense @ 11cm, medium size poorly sorted ϕ 0.5cm
20			N4					6-65cm: mud with silt, black mottles, slight color variations, silt layers & patches, clast @ 44cm, ϕ 0.3cm, bioturbated
30	mud							
40				0	slight			65-150cm: slightly more greenish gray (10Y 4/1), black mottles, mud with silt layers & patches → bioturbated
50								
60								
70			10Y 4/1				SS (74)	clast @ 69cm, ϕ 0.5cm diato-bearing mud
80								clast @ 83cm; ϕ 0.5cm
90	mud							
100					bioclast			
110	ooze						SS (106)	diato-ooze
120								119-121.5cm: fine sand, sharp lower boundary (erosive), gradational upper boundary, poorly sorted
130	ooze		10Y 4/1					
140								
150								

Expedition 341 S. Alaska Margin: U1418 A 22H 2 0 - 140 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud with silt Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 26.6.13
0			10Y 4/1						
10			5Y 3/1					thin (0.5 cm) sand layer @ 8 cm poorly sorted, fine - medium, sharp erosive lower boundary (5Y 3/1)	
20								- mud	
30								black mottles, few silty patches (Ø ~ 0.5 cm), fluffy appearance	
40	slight seam			0					
50	mud with silt								
60			10Y 4/1						
70					moderate				
80									
90									
100									
110							SS 118	diato-seam mud	
120									
130									
140	X						IW	140 - 150 cm: sample	
150									

Expedition 341 S. Alaska Margin: 412418 | A | 22H | 3 | 0-120 cm

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JH Date: 26.6.13
0					Lod.			0-6 cm: slate mottles, fluffy (silty)	
10								6-9 cm: sand layer, sharp erosive lower boundary, gradational upper boundary, fining upward, poorly sorted fine to medium sand	
20	clayey mud		10Y 4/1		slight				
30				O				- silt layer (~0.3 cm thick) & sand lense @ 34 cm, Ø 2 cm, poorly sorted, fining upward	
40								- clast @ 35.5 cm, Ø 0.8 cm, sub-rounded	
50	clayey mud								
60									
70			10Y 4/1				SS (75)	diatom bearing mud with silt	
80									
90								88-120 cm: silty mud with many slate mottles, bioturbated	
100	silty mud		10Y 4/1		moderate				
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 23H 1A 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: MF 26/JUN/13
0	Mud		N4					0-150	
10								* interbedded mud & silt/fine sand	
20								* very slight colour variations in mud to slightly more greenish or darker grey	
30								* scattered silt patches	
40								* silt/fine sand laminae	
50								↳ continuous to discontinuous	
60								↳ generally sharp & erosive lower boundaries	
70				slight bioturb	slight			↳ sharp to gradational upper boundaries	
80								↳ some (sandy) laminae lighter than mud matrix	
90								↳ max. 1 cm thick	
100								↳ spacing: 3 mm – ~7 cm	
110								↳ massive to graded	
120								↳ ~50 pcs.	
130								* slightly more greenish between ~120-149; more massive; scattered lonestones	
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 23H 2A 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: MF 26/JUN/13
0	Mud		N4					0-150	
10								* like section 1	
								↳ see there for details	
20									
								add. silt/sand laminae:	
30								↳ ~40 pcs	
								↳ spacings: 3mm - 19cm	
40									
50								* scattered granule clasts	
60									
70				slight bioturb	slight				
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 23H 3A 0–101

Site: Hole: Core: Section: Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: MF Date: 26/JUN/13
0	Mud		N4					0–101	
10								* like section 1 ↳ see there for details	
20								ad. silt/sand laminae: ↳ > 30 pcs. ↳ spacing: 5 mm – 3 cm	
30									
40								* 2 sand beds (very thin) ↳ 42.5 – 43.5 (graded) ↳ 49 – 51 (massive) ↳ erosive lower boundary ↳ sharp (49–51) + gradational upper boundary	
50									
60				slight bioturb.	slight				
70									
80								* one granule limestone	
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 23H 4A 0-70

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: IF 26/JUN/13
0			N4					0-70:	
10								* like section 1	
								↳ see there for details	
20								↳ more pronounced colour banding between ~20-~42 cm	
30				slight bioturb.	slight			↳ no silt laminae above 17 cm sand	
40								↳ ad. silt/sand laminae	
								↳ ≤ 15 pcs	
50								↳ spacing: ~5 mm – ~8 cm	
								↳ max. 7 mm thick	
60								* scattered granule lonestones	
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 23H CC 0-28

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: HF 26/JAN/13
0				heavy boring	slight			0-23	
10								↳ liche section 1	
								↳ ~4 laminae	
20								↳ max. 3mm thick	
	PAL						PAL	23-28: Sample PAL	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 24H 1 0-140cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology: Silt

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JH Date: 26.6.13
0								throughout section:	
10								slight color banding, few black mottles very	
20			N4						
30								! silt layers in upper part of this section !	
40									
50				0	more to slight			clast @ 45 cm, Ø 1 cm	
60	mud interbedded w/ silt								
70									
80								80-83 cm: normal graded fine to med sand, sharp lower boundary, poorly sorted	
90								clast @ 86 cm, Ø 0.8 cm; clast @ 88 cm, Ø 1 cm	
100			N4						
110									
120									
130									
140	IW						IW	140-150 cm IW sample	
150									

Expedition 341 S. Alaska Margin: U1418 A 2H 2 0-150 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 26.6.13
0								- massive mud with very few black mottles, slight color variations	
10									
20					0			- occasional thin silt layers (in total = 3), discontinuous	
30			N4						
40	mud								
50									
60									
70								75-77 cm: poorly sorted fine to medium sand	
80							SS (82)	irregular erosive sharp lower boundary	
90								74-150 cm: diatom-rich mud (slightly lighter)	
100	diatom mud		10 YR 4/1						
110								few black mottles	
120				slight					
130	mud								
140								clast @ 148 cm, ϕ 0.5 cm within sand patch	
150									

Expedition 341 S. Alaska Margin: 41418 A 24H 3 0-102 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 26.6.13
0								mud (slightly darker N4 to 10Y 4/1)	
10								clast @ 12 cm, ϕ 0.5 cm	diatoms!
20								clast @ 20 cm, ϕ 0.5 cm	
30									
40			N4					between 36 cm & 52 cm: few 0.5 cm spots of light gray (2.5Y 6/1) fine material (→ reworked clean ash glasses)	
50			2.5Y 6/1						
60									
70									
80								thin silt layers @ bottom of section sharp/irregular boundaries	
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 41418 A 24H 4 0.79 m

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 26.6.13
0								massive Mud with slight color variations	
10								sporadic silt layers (<0.5 cm)	
20									
30			N4						
40					slight				
50									
60									
70							SS (67)	67-69 cm light gray (2.5Y 6/1), glassy fine ash (clean)	
80								sharp bioturbated upper & lower boundaries	
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 24H CC 0-22cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 26.6.13
0								0-4cm: Light gray (2.5Y 6/1) ash, clear, glassy	
10	mud		N4		slight			mud with few black mottles	
20									
	X						PAL	22-28cm PAL sample	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 25H 1A 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: MF 26/JUN/13 Date:
0	Mud		10Y 4/1					0-62	
10								* diatom bearing mud	
								* black mottles	
20									
30									
40									
50				slight bioturbing	moderate to high				
60			5Y 3/1 10Y 4/1 5Y 3/1 10Y 4/1 5Y 4/1		None			62-69	
								* interbedded mud & sand/silt	
70	Mud							↳ 62.0-63.5: massive sand, erosive lower boundary; sharp & irregular upper boundary; olive dark gray (5Y 3/1)	
								↳ 65.5-66.0: discontinuous, fine, graded sand erosive lower b. + gradational lower boundary; 5Y 3/1; much pyrite (see macroscale)	
80			10Y 4/1		moderate to high			↳ 68.5-69.0: discontinuous; massive silt erosive lower + sharp upper boundary, 5Y 4/1	
90			N4		none			↳ mud as above	
	Mud							69-87	
								* as 0-62	
100					slight			87-91:	
110								* set of three sand intervals ~1 cm each, overlain by 5 mm mud that is covered with ~0.5 cm discontinuous very fine sand	vfs m fs vfs ms
120								↳ irregular, sharp boundaries between intervals	
130								91-150:	
								* interbedded mud & silt/sand	
140								* silt laminae	
								↳ max. 5 mm; spacing: 3 mm - 7 cm; none laminae lighter than matrix; continuous to discontinuous, sharp lower boundaries; sharp to gradational upper boundaries; ~20 pcs.	
150								* scattered silt patches (< 5 mm)	
								* scattered granule clasts	

Expedition 341 S. Alaska Margin: U1418 (Site:) A (Hole:) 25H (Core:) 2A (Section:) 0 – 150 (Top Depth:)

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: HF 26/JUN/13
0			N4					0–150	
10								* interbedded mud & silt/sand	
								* silt laminae as in section 91–150	
20								* 49.5–50.5: graded fine- to very fine sand bed with erosive lower boundary	
30		ash patches						* 96.5–97: massive very fine sand laminae with erosive lower boundary	
40									
50								* some colour banding (< 1 cm to ~23 cm) below 70 cm	
60								* scattered ash (?) patches (2.5Y 6/1), to < 1 cm, between 29–43 cm	
70								~15 pcs, spacing ~7 mm – ~15 cm	
80									
90				slight bioturb.	slight				
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 | A | 25H | 3A | 0–100

Site: | Hole: | Core: | Section: | Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: MF 26/JUN/13
0	plug		N4					0–100	
10								* interbedded mud & silt	
								* silt laminae as in section 1	
20								91–150	
								↳ max. 2 mm	
								↳ spacing ~3 mm – ~20 mm	
30								↳ ~20 pcs	
								↳ silt laminae often associated with darker parts of colour-bedded mud	
40									
50								* some colour-banding of greenish & dark greyish	
60									
70				slight bioturb	slight				
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 25H 4A 0-75

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: MF 26/JUN/13
0	Mud		N4					0-58:	
10								* continuation of section 3	
20								58-62	
30								* graded fine to very fine sand with muddy laminae	
40				slight laminating	slight			* erosive lower & sharp upper boundary	
50									
60				slight	none				
70					slight			62-75:	
75								* continuation of section 3	
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 25H CC 0-24

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: MF Date: 26/07/13
0	Mud		N4	slight disturbing	slight			0-18.5	
10								* Continuation of section 3	
20							PAL	18.5-24: Sample PAL	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 26H 1 0–140 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology: Silt

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 26.6.13
0									
10					O			i-bedded mud & silt silt layers: ~0.5 cm thick, sharp erosive boundaries	
20	wried		N4						
30									
40									
50									
60									
70									
80									
90								clast @ 92.5 cm, Ø 0.5 cm in silt layer	
100			N4						
110					O				
120									
130									
140	X						IW	140–150 cm sample	
150									

Expedition 341 S. Alaska Margin: U1418 A 26H 2 0-150 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 26.6.'13
0								0-55 cm massive mud intercalated with few very thin silt layers	
10	mud								
20					0			clast @ 26 cm, Φ 0.5 cm	
30	intercalated with silt		N4					-- - 34.5 cm, Φ 0.5 cm; 31-33 cm silty interval with few grey (2.5Y 6/1) mini lenses	
40					slight		SS (40)	mud with volcanic glass	
50									
60								slight color variations few mini lenses of bioturbated ash ?	
70	bios. beard w. silt		10Y 4/1					clast @ 70 cm, Φ 0.5 cm; -- - @ 59 cm, Φ 0.5 cm	
80									
90							SS (85)	biosilic. seaming mud	
100								95-97 cm sand, poorly sorted, erosive lower boundary	
110	mud		N4						
120									
130	mud				0			125-150 cm: massive mud	
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 26H 3 0-101 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 26.6.13
0								intrusedded mud & silt	
10								→ silt layers (~0.4 cm), sharp bound.	
								clast @ 14.5 cm, ϕ 0.5 cm	
20					O				
30									
40			N4						
50									
60									
70					O				
80									
								clast @ 86.5 cm, ϕ 0.5 cm	
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 41418 A 26H 4 0-61 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 26.6.13
0									
	Mud							interbedded mud & silt	
10					O			silt layer: discontinuous & thin (0.4 cm)	
20			N4						
30								clast @ 31.5 cm, ϕ 0.5 cm	
40	Mud				O				
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 26H CC 0-28 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology: Silt

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 26.6.13
0	Mud								
								Intrabedded mud & silt	
10			N4		0			silt layers (0.4 cm) very discrete.	
20									
	Mud								
30							PAL	28-33 cm sample	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 27H 1A 0-151

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: MF 26/JUN/13
0	Mud		N4					0-142	
10								* interbedded mud with silt	
								* mud slightly colour banded	
20								↳ between more greenish & greyish	
								* few & small black mottles	
30								* light ash (?) patches between 45-53 + 95-97 + ~3 (<10 mm)	
40								* silt laminae	
								↳ <2 mm thick	
50								↳ continuous to discontinuous	
								↳ sharp (erosive) lower boundaries	
60								↳ sharp upper boundaries	
								↳ rel. few 3 pcs (↳ spacing: 0.5 - >50 cm)	
70								* scattered limestones (granules)	
80								142-144	
90								* graded sand (from fine sand with mud [5Y 3/1] [lower cm]	
100								to muddy very fine sand [5Y 4/1] [upper cm] ⇒ rel. sharp transition	
110								between intervals	
								* erosive lower boundary	
120								144-151	
130								* as 0-142	
140		5Y 4/1		none					
150		5Y 3/1 N4							

slight bioturb. slight to moderate

Expedition 341 S. Alaska Margin: U1418 A 27H 2A 0-150

Site: Hole: Core: Section: Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: Mineral, fossils Misc structures Glauconite %	Samples	Core Description, comments, contacts, other	Logged by: Date: MF 26/JUN/13
0	Aud		N4					0-150:	
10								* as section 1, 0-142	
								* bad silt laminae	
20								↳ ~19pcs.	
								↳ < 6mm thick	
30								↳ Spacing: ~5mm – ~30cm	
40								* scattered granule & pebble lonestones.	
50									
60				slight bioturbing	slight				
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 27H 3A 0-101

Site: Hole: Core: Section: Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: Mineral, fossils Misc structures Glauconite %	Samples	Core Description, comments, contacts, other	Logged by: Date: MF 26/JUN/13
0			N4					0-43	
10								# as section 1, 0-142	
								# ad silt laminae	
20								↳ < 5 pcs	
								↳ < 2 mm thick	
30					slight			↳ ~2 - 11 cm	
40			5Y 3/1		none			37-43 *	
								* limestone of grey wacke (?) in mud	
50									
60				slight burrows				43-45:	
70					slight			# graded sand (5Y 3/1) from medium to muddy very fine sand	
								# erosive & deformed lower boundary	
80								↳ most probably related to load from overlying clast	
90								45-101:	
100								# as section 1, 0-142	
110								# ad silt laminae	
								↳ 8 pcs.	
120								↳ < 2 mm thick	
								↳ spacing: 3-20 cm	
130									
140									
150									

Methods-?-Fig?

Expedition 341 S. Alaska Margin: U1418 A 27H 4A 0-73

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: Mineral, fossils Misc structures Glauconite %	Samples	Core Description, comments, contacts, other	Logged by: Date:
0	Mud		N4					0-73	
10								* as section 1, 0-142 cm	
								* ad silt laminae	
20								↳ ~15 pcs	
								↳ < 5 mm	
30								↳ spacing: ~1- ~16 cm	
40				slight horizontal	slight			* one black lamina (70-70.5)	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Methods-?-Fig?

Expedition 341 S. Alaska Margin: U1418 A 27H CC 0-25

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: Mineral, fossils Misc structures Glauconite %	Samples	Core Description, comments, contacts, other	Logged by: Date: MF 26/JUN/13
0				slight to mod. bioturbing	slight			0-19	
10								# as section 1, 0-142 cm	
								# add silt laminae	
20							PAL	↳ < 5 pcs	
								↳ < 5 mm thick	
30								↳ spacing: ~2-7 cm	
40								19-25:	
								Sample PAL	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 28H 1 0-140cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology: Silt

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: Mineral, fossils Misc structures Glauconite %	Samples	Core Description, comments, contacts, other	Logged by: JM Date: 26.6.13
0								interbedded mud & silt	
10	interbed. mud & silt							silt layers are thin (0.5cm) and often discontinuous	
20			N4		very slight			- slight color variations - very few black mottles	
30									
40									
50									
60								clast @ 62cm, ϕ 0.5cm	
70	interbed. mud & silt								
80			N4						
90								clast @ 93cm, ϕ 0.5cm	
100								102-140cm just mud	
110									
120	just mud		N4		very slight		SS (120)	just mud	
130									
140								IW sample 140-150cm	
150									

Methods-?-Fig?

Expedition 341 S. Alaska Margin: U1418 A 28H 2 0-150cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: Mineral, fossils Misc structures Glauconite %	Samples	Core Description, comments, contacts, other	Logged by: JM Date: 26.6.13
0								0-55cm mud with slight color variations few silty patches	
10								clast @ 10cm, subrounded, ϕ 1cm (in UH)	
20									
30	mud		N4		slight				
40									
50									
60								57-98cm: slightly greener mud clast @ 57cm, ϕ 1cm, subrounded	
70			10Y 4/1		moderate		SS (75)	dispersed mini lenses of gray (2.5Y 6/1) material (ash!) → volcaniclastic lithified layer @ 61cm, 0.8cm diatom bearing (few specimen)	
80									
90									
100			5Y 3/1					98-150cm mud with silt (patches) 103-105cm: sand (poorly sorted, fining upward, sharp erosive lower boundary)	
110									
120	mud with silt		N4		very slight				
130									
140									
150									

Methods-?-Fig?

Expedition 341 S. Alaska Margin: 4418 A 28H 3 0-101 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology: silt/sand

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: Mineral, fossils Misc structures Glauconite %	Samples	Core Description, comments, contacts, other	Logged by: JM Date: 26.6.13
0								interbedded mud & silt	
10			N4					- silt layers up to 1 cm thick, sharp irregular boundaries, often discontinuous	
20									
30									
35							SS (35)	fine sand (all minerals) layer	
40									
50			N4						
60					very slight			clast @ 60 cm, Φ 0.8 cm, subrounded	
70									
76								silt or fine sand layer: 76-77 cm (5Y5/1)	
80								83-101 cm: slightly lighter/greenish mud but pretty massive	
83			10Y 4/1						
90									
100									
110									
120									
130									
140									
150									

Methods-?-Fig?

Expedition 341 S. Alaska Margin: U1418 A 28H 4 0-74 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology: silt

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: Mineral, fossils Misc structures Glauconite %	Samples	Core Description, comments, contacts, other	Logged by: JM Date: 26.6.13
0	mud							mud interbedded with thin (0.3cm) silt layers (pyrite discoat.) sharp boundaries	
10									
20	mud		N4					massive mud!	
30					0				
40									
50	mud								
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Methods-?-Fig?

Expedition 341 S. Alaska Margin: U1418 A 28H CC 0-22.5 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: Mineral, fossils Misc structures Glauconite %	Samples	Core Description, comments, contacts, other	Logged by: JM Date: 26.6.13
0								just mud (massive)	
10	mud		N4		0			crack @ 10 cm, moderate	
20								22.5 - 27.5 cm PAL sample	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Methods-?-Fig?

Expedition 341 S. Alaska Margin: U1418 (Site:) A (Hole:) 29H (Core:) 1A (Section:) 0-145 (Top Depth:)

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

Logged by: RF Date: 26/JUN/13

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: Mineral, fossils Misc structures Glauconite %	Samples	Core Description, comments, contacts, other
0	Mud		10Y 4/1					0-70.5
10								* mud with multiple patches of light ash (?), esp. below 22 cm (<5 mm)
20								* scattered granule clasts
30								
40					moderate			
								70.5-145
50								* interbedded mud & sand
60				light bioturbing				* colour banded mud to slightly more greenish & greyish
70			5Y 4/1 N4					* sand beds between 15-25 cm at: 70.5-73.0 & 107.5-109.0
80								* grading from medium to very fine sand
90								* erosive lower, sharp to gradational upper boundary
100								* scattered patches of ash (?) (<1 cm)
110			5Y 4/1 N4		slight			* scattered lonestone (granule)
120								
130								
140								
150								

sand beds were added to Desclogik as separate intervals on July 9th 2013

Methods-?-Fig?

Expedition 341 S. Alaska Margin: U1418 A 29H 2A 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: Mineral, fossils Misc structures Glauconite %	Samples	Core Description, comments, contacts, other	Logged by: YF Date: 26/JUN/13
0			5Y 4/1					0-26 → sand beds linked as separate beds in Desclogite on July 9th 13	
10			N4					* interbedded mud & sand	
								* for details see section 1, 70.5-145 cm	
20								* sand beds at 1-2.5; 24-25.5	
			5Y 4/1					* pebble & granule limestones, e.g. sedimentary rock	
30			N4					26-150	
40								* interbedded mud & silt/sand	
50								* mud slightly colour banded to more greenish/greyish	
60				slight burrow	slight			* silt laminae	
								↳ continuous to discontinuous	
70								↳ sharp lower boundaries	
								↳ sharp to gradational upper boundaries	
80								↳ ~15 pcs	
								↳ max 6 mm	
90								↳ spacing ~2 - ~15 cm	
100								* scattered limestones (granules & pebbles)	
110									
120									
130									
140									
150									

Methods-?-Fig?

Expedition 341 S. Alaska Margin: U1418 A 29H 3A 0-100

Site: Hole: Core: Section: Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: Mineral, fossils Misc structures Glauconite %	Samples	Core Description, comments, contacts, other	Logged by: Date: MF 26/JUN/13
0			N4					0-100	
10								* interbedded mud & silt/sand	
								* for details see sect. 1, 26-150	
20								* add silt laminae:	
								↳ max 5 mm	
30								↳ > 30 pcs	
								↳ spacing: 5 mm - 8 cm	
40								* scattered lonestones	
50				slight bioturb.	slight			* volcaniclastic bearing silt lamina ~ 28.5 - 29.0	
60								separate interval in Description	
70									
80									
90									
3									
100									
110									
120									
130									
140									
150									

Methods-?-Fig?

Expedition 341 S. Alaska Margin: U1418 A 29H 4A 0-57

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: Mineral, fossils Misc structures Glauconite %	Samples	Core Description, comments, contacts, other	Logged by: Date: MF 26/JUN/13
0			N4					0-57	
10								# interbedded mud & silt	
								# for details see sect. 1, 26-150	
20								# ad silt laminae	
								↳ max. 1 cm	
30				slight bioturb	slight			↳ > 10 pcs	
								↳ spacing: 1 cm - > 16 cm	
40								# one granule lonestone	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Methods-?-Fig?

Expedition 341 S. Alaska Margin: U1418 A 29H CC 0-30

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: Mineral, fossils Misc structures Glauconite %	Samples	Core Description, comments, contacts, other	Logged by: MF Date: 26/JUN/13
0			N4	slight boring	slight			0-25	
10								# interbedded mud & silt	
3								# for details see sect. 1, 26-150	
20								# cal silt laminae	
								↳ < 3 mm	
							PAL	↳ ~8 pcs	
30								↳ spacing: 5 mm – > 10 cm	
40								# three pebble lonestone (small)	
50								25-30: Sample PAL	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 30H 1 0-140 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: Mineral, fossils Misc structures Glauconite %	Samples	Core Description, comments, contacts, other	Logged by: JM Date: 26.6.13
0								- significant color banding	
10	mud				O			- massive mud with very few partides & layers of silt	
20									
			N4						
30								clast @ 32 cm, ϕ 0.5 cm	
40								clast @ 38 cm, ϕ 0.5 cm	
50	mud							clast @ 52 cm, ϕ 0.5 cm	
60				slight banding					
70					O				
80								clast @ 77-78 cm, ϕ 1.5 cm, sub-rounded metasediment	
90									
100			N4						
110	mud								
120									
130									
140	X							140-150 cm IW sample	
150									

Methods-?-Fig?

Expedition 341 S. Alaska Margin: 41418 A 30H 2 0-150 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: Mineral, fossils Misc structures Glauconite %	Samples	Core Description, comments, contacts, other	Logged by: JK Date: 26.6.13
0								- massive mud with very slight color banding	
10			silt					- few silty layers or patches	
20			N4					clast @ 24.5 cm, ϕ 0.5 cm	
30									
40									
50									
60									
70							SS (77)	71-74 cm: silt bed with sharp erosive lower boundary	
80								volcaniclastic bearing mud (glass 12 %) !	
90			N4					clast @ 93 cm, ϕ 0.2 cm	
100									
110									
120									
130			N4						
140			silt					clast @ 143 cm ϕ 0.5 cm	
150									

Methods-?-Fig?

Expedition 341 S. Alaska Margin: U1418 A 30H 3 0-116 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: Mineral, fossils Misc structures Glauconite %	Samples	Core Description, comments, contacts, other	Logged by: JM Date: 26.6.13
0								- slight color banding	
10					0			- massive mud with few silty patches & irregular layers	
20			N4						
30	Mud								
40									
50				Slight bioturb					
60									
70					0				
80			N4						
90			5Y 4/1					93-96 cm: very fine sand, poorly sorted, sharp erosive lower boundary, fining upward	
100									
110	Mud								
120									
130									
140									
150									

Methods-?-Fig?

Expedition 341 S. Alaska Margin: U1418 A 30H 4 0-53 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: Mineral, fossils Misc structures Glauconite %	Samples	Core Description, comments, contacts, other	Logged by: JM Date: 26.6.13
0								clast @ 3 cm, ϕ 0.5 cm	
10					0			massive mud, very slight color banding	
20	Mud		N4	slight bow, ↗					
30					0			clast @ 33-34 cm, ϕ 1 cm, sub-rounded	
40	Mud								
50								clast @ 51 cm, ϕ 0.5 cm	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Methods-?-Fig?

Expedition 341 S. Alaska Margin: 41418 A 30H CC 0-9cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: Mineral, fossils Misc structures Glauconite %	Samples	Core Description, comments, contacts, other	Logged by: Date: JM 26.6.13
0	mud		N4		0			just mud	
10	PAL							9-15cm = sample	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Methods-?-Fig?

Expedition 341 S. Alaska Margin: U1418 A 3H 1A 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: white bedded silt + mud Minor Lithology: mud, sand

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-26-13 Date:
0									
10	white bed silt + mud		N4					11 silt laminae mud ≤ 10 cm	
20									
30									
40									
50									
55									
60						clasts pres.		granule conglomerate, subangular, argillite	
70	mud		N4						
80								mud	
86									
90									
100									
110									
115			N4					sand	
116									
120	interbedded					clast pres.		"metagabbro" clast, 25 cm long axis, subangular	
			N4					5 silt laminae, mud ≤ 5 cm	
130								siltstone, 3 cm, subrounded	
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 31H 2A 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology: mottled silt + mud

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-26-13 Date:
0									
	mottled silt + mud							7 laminae mud ≤ 10 cm	
10			N4						
20									
26									
30									
40									
50	muds		N4					3 laminations, 0.5-1 cm, pebbles, subrounded	
60									
70				Drilling disturb.					
80									
90									
100									
110									
113	sand						S116	sand	
117									
120								1.3 cm clast, subangular, ash like?	
	mud								
130									
140	SAF								
150									

Expedition 341 S. Alaska Margin: 11418 A 31H 3A 0-117

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology: thin bedded silt + mud

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-26-13 Date:
0						clasts present			
								silt lenses	
10									
20			N4						
30	mud								
40									
								silt lenses	
50									
								silt lenses	
60			N4						
70									
80									
90	interbed silt + mud							4 silt laminae	
								mud ≤ 10 cm	
100			N4						
110									
117									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 31H 1A 0-60

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology: interb silt + mud

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: JB, 6-26-13
0	1.5-5cm		1/4					6 silt laminae mud ≤ 3cm	
10							SS12	silt (lamina)	
14						pyrite			
20	mud		1/4						
30								granule, subangular, mud?	
40									
45									
50	1.5cm		1/4						
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 A 31H SC 0-17

Site: Hole: Core: Section: Top Depth:

Major Lithology: 1b sm Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: AB, 6-26-13
0	1bsm								
10	PA2							1 lamina mud ≤ 7cm	
17									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 (Site) A (Hole) 32H (Core) 1A (Section) 203.00 m CSF-A (Top Depth)

Major Lithology: MUD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: Mineral, fossils Misc structures Glauconite %	Samples	Core Description, comments, contacts, other	Logged by: Childress	Date: JUNE 26 2013
0–14	mud		N4	GAS (SLIGHT)	none					
14–16	SAND	NG	N3				SS16	sand; 14-16: normally graded sand (to silt) gradational upper, irregular lower contacts		
16–34	INTER-BEDDED SILT & MUD w/CLAY (IBSM w/clay)			BOWED slight to mod		absent		silts: thinly laminated, @ ~1-5cm intervals		
34–56	mud		N4			53 (>2mm)				
56–66	IBSM w/clay					absent		silts: thinly lam., @ 0.5-1cm intervals		
66–102	mud	COLOR BANDS (CB)	N4			absent	SS80	66–115cm: -faint green/gray color bands (<1cm thick) mud, no bio		
102–115	IBSM (w/clay)	CB	N4			present		silts: thin lam., @ <.5 to 5cm intervals		
115–130	IW		IW			IW				
130	END									

Methods-?-Fig?

Expedition 341 S. Alaska Margin: U41B (Site) A (Hole) 32H (Core) 2A (Section) 204.30m CSF-A (Top Depth)

Major Lithology: MUD Minor Lithology:

Logged by: Childress Date: June 26 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: ~~Mineral, fossils~~ ~~Misc structures~~ ~~Glauconite %~~ clasts	Samples	Core Description, comments, contacts, other
0					none			
10	mud		N4	BOWED slight to mod				
20								
24								
30	INTER-BEDDED SILT & MUD w/clay (IBSM)		N4					silts: thinly lam., @ ~5-10cm intervals
40								
50							ES48	mud, no bio
60								
70	mud		N4					
80						80-81: 1.5cm clast		
90								
						96 (>2mm)		
100								
110								
120		CB						119-139: color bands (gray, ~1cm thick) (CB)
127								
130	IBSM w/clay	CB	N4					silt: thin lam., @ 2cm intervals
133								
	mud	CB	N4					
140	END						139	
150								

Methods-?-Fig?

Expedition 341 S. Alaska Margin: U1418 | A | 32H | CC-A | 205.69m CSF-A

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: MUD (w/silt) Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: ~~Mineral, fossils~~ ~~Misc structures~~ ~~Glauconite %~~	Samples	Core Description, comments, contacts, other	Logged by: Childress	Date: June 26 2013
0				GAS EXP. (slight to mod.)	none			0-36: bowed, slight to mod.		
						7-9: 3cm x 1cm clast				
10	mud (w/silt)		N4					several thin lam. silt layers (15-22cm)		
20						17 (>2mm)				
30						27 (u)				
								36		
40	PAL					PAL				
	END							121		
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Methods-?-Fig?

Expedition 341 S. Alaska Margin: U1478 | A | 33H | 1A | 0-150

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: wk bdded silt and mud Minor Lithology: mud

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-26-13 Date:
0									
10	mud		N4						
20									
29									
30	bsm		N4			present			
40								ossiferous pebble, 1.5 cm in diam	
50								34 silt laminae	
								mud < 12 cm	
60								colors banded	
70								with bladis sand, #3	
80									
90								granules, subrounded, ossiferous	
100									
							3/107	silt	
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 11418 A 33H 2A 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: wavy bedded silt & mud Minor Lithology: mud

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB Date: 6-26-13
0	lbsm					present			
10	D					D		dropstone argillite pebble, 2 cm	
20			N4						
30								82 silt laminae,	
40								mud ≤ 11 cm	
50								colour banding N4 > N3	
60									
70									
80									
90							92	mud	
100									
108									
110									
120	mud		N4					4 silt laminae, mud ≤ 6 cm	
130									
136									
140	lbsm		N4						
150									

Expedition 341 S. Alaska Margin: U1418 | A | 33H | 3A | 209.10m CSF-A

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: MUD (w/ SILT) Minor Lithology:

Logged by: Childress Date: June 26 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0						present (granules)		
10	mud (w/silt)		N4	x	none			
20								
30								
40								
50								
60 (58)	END							
70								
80								
90								
100								
110								
120								
130								
140								
150								

Expedition 341 S. Alaska Margin: U1418 | A | 33H | CC-A | 209.68m CSF-A

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: MUD (w/ silt) Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 26 2013
0	mud w/silt		N4	GAS (slight)	none	>2mm ↓				
10						16(2x				
20	PAL						PAL			
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										