

Expedition 341 S. Alaska Margin: U1417 A 1 1 0 - 145
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			7.5YR 5/2	SS				disturbance (0-2.5 cm)	HB 6-5-13
2.5	↓ mud		gray 4-1						
10	↓								
14	↓								
20	↓		gray from 5Y 4-1					mud varying in colour as indicated	
30	↓		to 2.5Y 3-1					2 coarse layers at 29-30 and 66-67 cm, also dashes (25Y 3-1)	
40	↓		absence 5YR 4-1						
50	↓								
60	↓								
70	↓						SS diatom rich		
76	↓						SS diatom-rich		
81	↓ mud		gray 4-1					cottage cheese structure a little silt	
91	↓								
97	↓ mud								
100	↓								
108	↓								
110	↓							foram bearing? soupy	
120	↓								
130	↓								
140	↓								
150									

Expedition 341 S. Alaska Margin: U1417 A 1H 2 150 cm 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: Date:
0									LBC June 5 2013
10			↑					7cm - black laminae (+?)	
20			↑					23cm - rhizome sampling disturbance	
30			↓						
40			↓						
50	mud		↓					50-110 cm - rare black smears	
60			↓						
70			↓				SS70	very little bio, mostly mud	
80			↓						
90			↓						
100			↓						
110			↓					114-142cm - lighter (GLEY1, 7/N) laminae	
120			↓					127-131cm - rhizome disturbance	
130			↓						
140			↓						
150			↓						

deslogie ✓

Expedition 341 S. Alaska Margin: U1417 A 1 3 0-145
 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	mud		grey 4/1 (N4)					thinly laminated, darker with slightly lighter coloured laminae	HB 6-5-13
10	↓		with N7						
26 ₂₇	silt		5YR 3/2					coarser layer, 5YR 3/2, silty, 0.5 cm ash	
30	mud		grey 4/1 (N4)						
40	↓		with N7						
50	↓								
60									
70									
73									
80			N7					thinly laminated, lighter grey with darker laminae	
90			with N4 (8/1) 4/1						
100	mud								
110									
120									
130									
140									
150									

CA
0

Expedition 341 S. Alaska Margin: U1417 A 1H 4A 450cm 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: LBC	Date: June 5 2013
0										
10										
20										
30										
40	mud									
50								48-49cm - rhizome sampling disturbance		
60										
70								74-75cm - black lineations		
80										
90										
100										
110										
120										
130										
140										
150										

color bands
 GLEYI
 4/N
 with
 7/N
 bands

↑
 mud
 ↓

Expedition 341 S. Alaska Margin: U1417 A IH CC 530cm 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: <u>LBC</u>	Date: <u>June 5 2013</u>
0	<u>mud</u>		<u>grey 4/N</u>					<u>5-8cm - small black lineations</u>		
10										
12										
18	<u>PAL</u>									
20										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: W1417 Hole: A Core: ZH Section: 1 Top Depth: 0-150

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 Date: 6-5-13
0									
10	↓								
20			N4 (N7)					occasional light grey laminae, N7	
30	mud								
40									
50	↓								
60									
70									
80							SS		
82	↓								
90	mud							occasionally interspersed concretions, fine sand	
100	↓							• slightly darker areas	
110									
120									
130									
140									
150									

→ dosLogic

Expedition 341 S. Alaska Margin:

U1417

A

2H

2

0-145.5

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 Date: 6-5-13
0	↓ mud							interspersed limestones Ø fine sand; occasional medium sand	
10	↓								
20									
30			N4						
40			with						
50			some						
60			interv.						
70			N7						
80									
90									
100									
110									
120									
124	↓							no limestones	
130	mud		N4						
140	↓		(N7)						
150	↓								

Expedition 341 S. Alaska Margin:

Site: U1417 Hole: A Core: 2H Section: 3 Top Depth: 0-150

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: Date:
0	<u>mud</u>							interpersed lowstones & fine sand	HB, 6-5-13
10	<u>↓</u>		<u>N4</u>						
20									
30									
40	<u>◇</u>							41-43 cm: larger lowstone, argillite sometimes pore are "holes" in the section surface: missing part stud to working half	
50									
60									
70									
80							<u>SS</u>		
90									
100									
103									
110	<u>◇</u>		<u>N7</u>					110-111 cm: larger lowstone in print, lowstone present in working half	
120	<u>mud</u>								
130	<u>↓</u>								
140									
150									

Expedition 341 S. Alaska Margin: U1417 A 2H 5 1140cm 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: Date:
0									LBC June 5 2013
10									
20	mud							24-26cm - rhizome sampling disturbance	
30								33-150cm - black mottling 34-35cm - missing clast	
40								33-97cm → -fine/small clasts (by feed)/small voids	
50									
60	mud								
70									
80								73-77cm - rhizome sampling disturbance	
90									
100	mud							101-102cm - black spot, <u>silt</u> (clast <u>or</u> burrow?)	
110									
120								113-115cm - color layer, GLEY 4/56-11: diatom bearing	
130	mud							123cm - missing clast 124-126cm - rhizome sampling disturbance	
140									
150									

Expedition 341 S. Alaska Margin: U1417 A 2H 6 1290cm CSFA
 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: LBC	Date: June 5 2013
0								00-5cm - black mottled color		
10	mud		N4							
20		----->?						21-22: disturbed? still mud 24-32cm - rhizome sampling disturbance		
30								29-30: missing 1cm clast 30-120: small clasts throughout		
40						(m)		42: large (1cm) missing clast		
50										
60	mud									
70								73-75cm - rhizome sampling disturbance		
80										
90	mud		N4							
100						(m) (m)		100-101 - several missing clasts 104: missing larger clast		
110										
120	mud							118-120cm - rhizome sampling disturbance		
130								128-141cm - black mottled color		
140				crack			SS134			
150	IW						IW	140-145: small clasts		

Expedition 341 S. Alaska Margin: U1417 A 2H CC 1516cm 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:	Date:
									LBC	JUN 5 2013
0								3-5cm: 5Y, 5/4 color change; more silt		
10	mud		N4							
20	PAL						PAL			
21										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

in DC

Expedition 341 S. Alaska Margin:

11/14/13 A 3H 1 0-149
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: Date:
0								YF 06/06/13	
10			Gley 1 N4					0-37: * rare blade mottles * rel. high water content * gradational lower boundary	
40								37-150: * as 0-37, but lower water content * shalification due to very (!) weak color variations * interstratified mud	
70					2				
150								EOS	

slight pull-down along liner walls

in DC

Expedition 341 S. Alaska Margin: U1414 A 3H 2 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: Date:
0									PF 06/06/13
10								0-150: * interstratified mud * stratification due to colour variations (very weak!) * rare black mottles * interspersed clasts (lithic & muddy) < 2mm	
40								~30: ~5mm thick & ~5mm wide sandy-silt lens	
50								~40: ~5mm thick & 10mm wide silt lens	
70			N4		2				
130								~120: ~5mm thick & 1cm wide sandy-silt lens	
150									EOS

slight pull-down along liner walls

in DL

Expedition 341 S. Alaska Margin: U1417 A ZH 3 D-145
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: Date:
0								0-145. * interstratified mud * stratification due to colour variations * rare black mottles ^{to very weak} * interspersed clasts (lithic & muddy) < 2mm	JF 06/06/13
50	0							49.5-51.5: metamorphic clast flake; sub-angular to sub-rounded;	
70	0		N4		2			67: sub-rounded clast	
120	0%							119.5-122: aggregate of clasts (< 5mm diameter)	
150								EOS	

slight pull-down along liner walls

in DC

Expedition 341 S. Alaska Margin:

U1497

A

34

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: Date:
0								0-150: * interstratified mud * Stratification due to color changes (very weak!) * trace black nodules * interspersed clasts (clastic & muddy) < 2mm	YF 06/06/03
10									
20									
30									
40									
50								3.5-6: mud clast 15.5-16.5: mud clast	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

N4

slight pull-down along liner walls

in DL

Expedition 341 S. Alaska Margin: U1417 A 3H 5 0-143
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								0-82	VF 06/06/13
10								* inter stratified mud	
20								↓ stratification due to <u>very</u> weak colour changes	
30								↓ rare black mottles	
40			N4		2			↓ interspersed clasts (lithic & muddy); < 2mm	
50								↓ gradual lower boundary	
60								36.5-37.5: mud clast	
70								51.5-54.5: mud clast with some sand	
80								62.5-63.5: lithic clast	
90								67-68: mud clast	
100			10y 4/1		4			82-108	
110								↓ heavily bioturbated diatom ooze	
120								↓ gradual lower boundary	
130								↓ cottage cheese structure w/ <u>not</u> bioturbated	
140								* rare black mottles	
150								108-143	
								* as 0-82	
								* 111-112 lense of diatom ooze	

slight pull-down along liner walls

in 9L

Expedition 341 S. Alaska Margin: 41417 A 3H 6 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:
0								0-111.5: * interstratified mud * stratification due to <u>very</u> weak colour changes * have black mottles * interspersed clasts (lithic & muddy) < 2mm * gradational lower boundary	PF 06/06/13
60			N4						
80					2				
100								100-102: mud clast with some sand	
110								111.5-113.5: * heavily bioturbated diatom ooze * sharp lower boundary * cottage cheese structure when wet bioturbated * have black mottles	
120			N04 4/1		4				
140			(5Y 2.5/1)		2			143.5-144.5: * sandy mud * massive lower & sharp upper boundary	
150								144.5-150: see 0-111.5	

Expedition 341 S. Alaska Margin: U1417 A 4H 1 2440cm CSF-A
 Site: Hole: Core: Section: Top Depth:

Major Lithology: MLD 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: <u>LBC</u>	Date: <u>JAMES 2013</u>
0								0-150: small clasts (granules) 0-150: intermittent black mottling 0-150: occasional ephemeral greenish beds		
10	mud		N4							
20						clast-22cm				
30		Soup				clast void - 30cm		28-31: soupy		
40	mud	Soup	N4			clast void - 42-43		39-44: soup 44-48: crack		
50										
60										
70	mud		N4			clast - 66-67				
80							SS80			
90								93-102 crack		
100			N4							
110	mud							109-115: crack		
120										
130	mud									
140										
150										

CA
4

Expedition 341 S. Alaska Margin: U1417 A 4H 2 2590cm 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:	Date:
									LBC	JUN 25 2013
0								0-150 cm - intense black mottling 0-150 cm - granule clasts		
10	mud		N4					B-37cm - crack		
20										
30										
40	mud		N4							
50						52.5 - former clast		→ white, altered		
60										
70	mud		N4							
80								B2-141cm - crack		
90										
100								100-102cm - black zone, disturbed, fine silt layer		
110	mud		N4							
120										
130						129.5 - former clast		→ white, altered		
140										
150										

Expedition 341 S. Alaska Margin: U1417 A 4H 3 2740cm CSF-A
 Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology: ASH

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: LBC	Date: JUNE 5 2013
0								0-150 cm - small clasts throughout		
10	mud		N4			7 - several missing clast				
20						22 - clast				
50	mud		N4			48 - clast				
80						77 - former clast		→ brown, altered		
90	mud		N4					88 - 131 cm - crack		
120			N4							
140	ASH mud	ASH	N6 GLEY N4				SS140	138-141 - ash bed tilted GLEY N6; tuff? coarse silt. 141-146 - disturbed		
150	IW						IW			

Expedition 341 S. Alaska Margin: U1417 A 4H 4 2891 cm 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: LBC	Date: JUNE 5 2013
0								0-150cm - intermittent black mottling, granules dispersed		
10	mud	silt	N4					4cm - silt layer 5-119cm - crack		
20										
30										
40	mud		N4							
50								45-49 - disturbance < 45-47 purplish 47-49 grey, 50-114 fine silt		
60										
70										
80	mud		N4							
90										
100							SS100			
110		silt						110 - silt (fine) layer		
120	mud		N4					123-131 - crack		
130										
140										
146	END									
150										

→ DL ✓

Expedition 341 S. Alaska Margin: U1417 A 4 6 0-147
 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: Date:
0	↓ mud		N4					dispersed clast, mostly fine sand, grain size silt to fine sand	HB, 6-5-13
10	↓ mud								
20	↓ mud		Gley 1 3/2					mottled with silty patches, Gley 1 3/4	
30	↓ mud								
34	↓ mud								
40	↓ mud		N4					dispersed small clasts, silt to vfr, individual larger clast @ 41cm-46cm, argillite, and 128.5-129.5 two clasts side by side, 1cm d,	
50	↓ mud								
60	↓ mud								
70	↓ mud								
80	↓ mud								
90	↓ mud								
100	↓ mud								
110	↓ mud								
120	↓ mud								
130	↓ mud								
140	↓ mud								
150	↓ mud								

→ DL ✓

Expedition 341 S. Alaska Margin: U1417 A 4 7 0-92
 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									AB, 6-5-13
10	↓ mud		N4					dispersed small clasts, silt - vfs,	
20	↓								
30	↓								
40									
42		△	5YR 5/1				SS	graded volcaniclastic bed, turbidite, grading ms → fs, colours changes from dark brown grey 2.5/2 to lighter brown 7.5 YR 5/2	
48.5									
50									
51									
60	↓ mud		N4					dispersed clasts, φ 1cm,	
70	↓								
80	↓								
90									
100									
110									
120									
130									
140									
150									

CA
6

Expedition 341 S. Alaska Margin: 11417 A 5H 1 3390 cm 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: LBC	Date: JUNE 5 2013
0								0-150: granule clasts 100-150: intermittent black mottling		
10	mud		N4			12-clast(p)		prefix = diatom rich (from SS)		
20										
30										
40	mud		N4							
50										
60										
70	mud		N4			66-clast(p) 70-clast void	SS70	diatom rich		
80										
90										
100										
110	mud	silt silt	N4				SS108	105-110cm: black layer, silt 111cm: green layer, GLEYI 5G 4/1 (dark greenish grey), silt 114-115: patch, altered, mud, olive		
120						117-clast(p)				
130										
140										
150										

Expedition 341 S. Alaska Margin: U1417 A 5H 2 3540cm CSF-A
 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: LBC	Date: JUNE 5 2013
0								0-145: granule clasts dispersed		
10	mud		N4					118-150: intermittent black mottling		
20						clastvoid (10%)		16cm-17cm		
30						33-clastvoid				
40	mud		N4							
50				50-58 Crack		51-farmer clast		brown/black (peb)		
60										
70										
80	mud		N4							
90										
100										
110										
120	mud		N4							
130						136-138 many p. clasts				
140								142cm: green patch (56 4/1)		
								145cm: " layer (56 4/1)		
150	silt		10Y 5/1					145-150 clasts (gran) dispersed		

Expedition 341 S. Alaska Margin: U1417 A 5H 3 3690 cm CSF-A
 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: LBC	Date: JUN 5 2013
0	silt?		10Y 5/1		???		SS5	greenish grey, mottled, 0-11: diatom rich 0-117: granule clasts dispersed		
10	mud		N4		burrow?			11-16: burrows? 16-145: intermittent mottling black		
50	mud		N4	52.5 Crack						
76						76-wood!				
90	mud		N4							
107-108								107-108 = disturbed, more green grey color		
150	IW						IW			

Expedition 341 S. Alaska Margin:

U 1417 A 5 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: <u>HB</u> Date: <u>6-5-13</u>
0								no dispersed clasts, a silt lamina, 1mm, at 31.5cm, massive mud	
10	↓ mud								
20	↓		N4						
30	↓							silt	
40	↓								
46	—								
50								dispersed clasts, fs	
60	mud		N4						
70									
80									
90									
100									
110									
120									
130	—								
132								dispersed clasts, 1 clast 2cm φ at 133cm	
140			N4						
150									

Expedition 341 S. Alaska Margin:

U 1417 A 5 5 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 Date: 6-5-13
0	↓							no clasts	
10	mud		N4						
20	↓								
21									
30	↓							dispersed small clasts	
40	mud							clast 1.5m at 122cm	
50	↓								
60	↓								
70									
80	↓								
90	mud								
100	↓								
110	↓								
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1417

A

6H

CC

4472cm 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:	Date:
0	mud		Z4						LBC	JUNE 5 2013
10				7-13 m. 18/19						
13	PAL									
20										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

in desc logic

Expedition 341 S. Alaska Margin:

Site: U1417 A Hole: 7H Core: 1 Section: 0-150

Major Lithology: Mud/biosilicious

beaming mud below ~95

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								* interstratified mud w/ gradational boundaries	MF 06/06/13
10				?				* 0 - ~20 cm: slightly higher water content, gradational lower boundary; drilling disturbance?	
20								* interspersed black nodules	
30								* strongest bioturbation between ~20 - ~60 cm	
40		Gley 1 N4			2-4			* interspersed clasts (<2mm)	
50									
60							65 SS	~63.5-65.0 slightly higher silt content (mud with out biogenic mat.)	
70									
80								~77.5-78.0 slightly higher silt content	
90									
100								~95-EDS generally slightly more "fluffy", most probably due to higher content of biosilicious material; gradational upper boundary	
110							117 SS	to biosilicious-bearing mud	
120									
130									
140									
150								EDS due to colour banding	

some pull-down along liner walls

↑

in dialogue

Expedition 341 S. Alaska Margin:

U1417 A 7H 2 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: Date:
0			<i>Gley N4</i>					<i>interstratified mud with gradational boundaries; due to colour banding</i>	<i>YF 06/06/13</i>
10								<i>* 0-1 cm: like ~95-EDC in section 1</i>	
20					<i>2-4 (see comments)</i>			<i>* bioturbation: most intense between ~16-28 & 142-144</i>	
30								<i>30-32.5: very fine sand, erosive lower, sharp upper boundary</i>	
40								<i>* interspersed black mottles</i>	
50									
60							<i>62 SS</i>	<i>~58.5-59.0: ^{coarse silt to} very fine sand; erosive lower & sharp upper boundary</i>	
70									
80									
90									
100									
110									
120									
130							<i>127 SS</i> <i>125 SS</i>	<i>~128: slightly more fluffy lamina (~2mm) more fluffy;</i>	
140								<i>~148.5-EDS (until ~5cm in section 3): sandy mud (very fine sand); stratified EDS</i>	
150									




Some pull-down along lines walls

25/3/14

in descending

Expedition 341 S. Alaska Margin: U1417 A 7H 3 0-131 cm
 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: JM	Date: JUNE 6 2013
0			2.5Y 2.5/1					0-5 cm, silty/fine sand patches		
10								clast (φ 2cm) at 9-11.5cm, 		
20								5-131 cm massive mud		
30					Z ↑			slightly mottled until 35cm bioturbation/oxidation (black patches)		
40								silt lenses @		
50			gley 1 4/1					33 cm 43.5 cm 47 cm 88 cm 97 cm		
60								color bedding throughout section		
70								interspersed black mottles		
80										
90										
100										
110										
120										
130										
140										
150										

in decolour

Expedition 341 S. Alaska Margin: 41413 A 7H 4 0-149

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: Date:
0								* interstratified mud with gradational boundaries; due to colour banding	MF 06/06/13
10								* interspersed clasts (generally <2mm)	
20								* interspersed black mottles	
30									
40			Gley N4						
50					2-3				
60									
70									
80									
90									
100									
110								N91.5: pyrite formation (<1mm)	
120								↔ biosilicious bearing mud	
123							123.55	~109-124: scattered lenses of slightly coarser matrix & clasts (mud & rock clasts?); slightly brighter	
130								127-124: like one broken big clast or several clasts <2cm; clay stone	
140								Some lenses are a bit more brownish/yellowish	
150									

some pull-down along liner walls

in descloger

Expedition 341 S. Alaska Margin: U1417 A 17H 5 0-146
 Site: Hole: Core: Section: Top Depth:

Major Lithology: M40 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								0-~68 *interstratified mud (due to colour banding); gradual boundary	MF 06/06/13
10					2			9-10: sandy-mud clast	
20								* inter. spaced clasts (<2mm)	
30			Gley 1 N4					* interspersed black mottles	
40								44-45: sandy-mud clast	
50									
60									
70			Gley 1 N4					68-89.5: chaotic; slightly lighter matrix than above	
80					3-4		97 SS	mud with lenses of diatom ooze (colour of lenses: 54 4/1 to 54 2.5/1)	
90			@ 54 3/1				90 SS	89.5-91.0: sub-rounded to angular glassy silt with ^{some} evasive lower & sharp upper boundary	
100			Gley 1 N4		4			worked ash?; stratified	
110								91.0-138.0: gradual transition (upcore) from bioschleous-beanymud to mud; ←?	
120								* increasing (upcore) bioturbation from 2-04	
130								* bioturbation of ash down to ~98 cm	
140					2			* up-core change from cottage-cheese to massive	
150			SEE → see up				EOS	* interspersed black mottles	
								~138-140: Gley 1 104 4; well-developed cottage-cheese structure	
								140-141: Gley 1 N3; cottage-cheese structure	
								141-146: see upper part of section 6	

in description

Expedition 341 S. Alaska Margin:

4147

A

7H

6

0.5-149 cm

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: mud

Minor Lithology: silty 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					↓			0.5-10 mud, disturbed	JM 6.6.13
10								17-15 cm silty layer	
20								silt lenses (brown) @ 18 cm & 24 cm ↳ SY 3/1	
30									
40			grey		2-3				
45	massive mud		4/1						
50									
60									
70								silty lenses @ 72 & 77 cm	
80									
90								silt layer @ 92 cm	
100					96 cm			silt layer @ 98 cm, 99.5 cm	
110									
115								114-126 cm silty mud	
120	(silty) mud								
130								139.5 cm	
140									
145								silt lens @ 142 cm	
150					↓				

in desclog 2

Expedition 341 S. Alaska Margin:

41417

A

7

7

0-70.5cm

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: Date:
0									JM 6.6.73
10								silt layer @ 5cm	
20	massive mud		grey 4/1		1-2			silt lens @ 12cm	
30								clast @ 18.5cm : ϕ 1cm slab dogstone	
40							3955	silt lens @ 24cm, 32cm	
50								2 clasts @ 38.5cm : ϕ 1cm volcanoclast (ufft ?), subrounded	
60								silt lens @ 49.5cm	
70								clast @ 56cm, ϕ 1-2cm, subrounded	
80								silt lenses @ 60cm, 62.5cm	
90									
100									
110									
120									
130									
140									
150									

in DL

Expedition 341 S. Alaska Margin: 41417 A 8 1 0-145cm
 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: Date:
0								0-7: probably disturbed	JM 66.18
10								7-145: * all massive mud * interspersed clast * interspersed black mottles +	
20	mud		N4						
30									
36.5								- 36.5cm silt lens	
40									
50									
60									
67								67: lithic clast ($\phi \approx 0.8cm$)	
75								75: lithic clast ($\phi \approx 0.7cm$)	
80									
90								94-95: lithic clast	
97								97-100cm silt lens	
100									
109.5								- clast at 109.5cm (silt lens) mark $\phi 1cm$ subrounded	
110									
122								- clast $\phi 0.5cm$ @ 122cm subrounded	
130									
140									
150									

in DC

Expedition 341 S. Alaska Margin: U 1417 A 94 1 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:
0			N4		1			0-44.5 * massive mud * rare black mottles 9-11.5 silty lens 46.5-47.5: red high water content * gradational lower boundary	TF 06/06/13
10									
20									
30									
40									
50								47.5-150: * interstratified mud * stratification due to colour changes * interbedded black mottles	
60									
70								58-60.5: sand lens (coarse sand) 65-66: mud lens (silty)	
80								81.5: mud lens + lithic clast	
90									
100								95: 2mm thick silty lamina 102-103.5: lithic clast	
110									
120								112: ~ 3mm lithic clast	
130									
140								129: ~ 2mm lithic clast	
150								139-140: lithic clast	

in DL

Expedition 341 S. Alaska Margin:

U1417

A

9H

3

0-145

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		4			0-72 * interstratified mud * heavily bioturbated * mottled * increased amounts of diatom ^{bearing} between 42-66 * gradational lower boundary	HF 06/06/13
10									
20									
30									
40									
50									
60									
70									
80			N4		3			66-119: * massive mud * rare mottles * gradational lower boundary	
90									
100									
110									
120									
130			N4		4			119-136: * massive mud * heavily bioturbated (also with diatom-filled bioturbation) * gradational lower boundary	
140								136-145: * massive mud * slightly bioturbated; rare black mottles	
150									

EDS

in DL

Expedition 341 S. Alaska Margin: U1417 A g 4 0 - 149cm

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: Date:
0			N4		slight (N)			massive mud: 0-8cm	JM 6.6.13
10	ash			N3			SS/ATG	8-11cm silt layers with ash volcaniclastic leaning sand slacks	
20			N4		3			11.5-15cm ash, fine-grained, clean glass	
30	mud							21-22.5cm bioturbate, brown filled with ash	
40					1			15-60cm color bedding	
60								63-64cm clast, green silt/layers	
70					4			62-86cm silt/diatoms zone heavily bioturb., mottled green, brown	
80								88-130cm moderately bioturbate mud	
100					2-3				
120								black siltstone	
130									
140			N4					135-138cm clast in massive mud, Ø 4cm	
150								130-149cm, slightly bioturbated	

m DC

Expedition 341 S. Alaska Margin: U1417 A 9H 6 0-135
 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					0-34: * mud * heavily bioturbated ↳ some part of the underlying strata has been bioturbated upward * sharp lower boundary (uneven) * interspersed black mottles	YF 06/06/93
34-38.5		MSR5/2			0			34-38.5: * sand with mid-dark with few diatoms * erosive lower boundary	
38.5-70			N4		3			38.5-70 * bioturbated mud * some black mottles	
70-135								70-135: * massive mud * few black mottles * interspersed clasts * slight bioturbation	
135			N3		1			135: 3mm lithic clast	
135								135: EOS	

1

Expedition 341 S. Alaska Margin:

Site: U1417 Hole: A Core: 10 Section: 2 Top Depth: 0-150

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									HB, 6-6-13 dispersed small sand grains moderately bioturbated, sand brought in from layers below abundant clasts, 0.5-1cm ϕ , epiclastic, lower contact irregular, good cast dispersed small clasts larger clasts, 0.5-1cm ϕ clast, 3cm, subrounded, argillite silt layer, slightly bioturbated
10	mud		N4						
15.5			N4		mod.				
20									
23.5									
30	fine sand		N2.5/1				SS		
40									
50									
60									
70			N4						
80	mud								
90									
100									
110									
120									
130									
140									
143.5									
146			N6/1						
150	mud		N4						

Expedition 341 S. Alaska Margin: U1417 A 10 3 0-145
 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: Date:
0									HB, 6-6-13
10								disposed clasts, fs • individual large clasts	
20	↓		N4						
30									
40									
50	mud								
60	⁵⁴ silt ₆₂		SP6 3/2					greenish silt, disposed clast	
70	↓				silt				
80									
90	mud		N4						
100									
110									
120									
130									
133									
135								greenish silt, colour SP6 3/2	
140									
150									

Expedition 341 S. Alaska Margin:

U1417

A

10

4

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:
0								dispersed clast, silt → fs	
10									
20									
30			N4		slight				
40	mud								
50									
60									
70									
80									
90									
96									
100								greenish silt	
110	mud + silt		N4 + SPB 3/4		strong			strongly bioturbated	
120								mud N4 intermixed with silt SPB 3/4	
130								dispersed clasts	
140	mud		N4						
150									

2

Expedition 341 S. Alaska Margin: U1417 Site: A Hole: 10H Core: 5 Section: 7240cm 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: Date:
0									LBC - June 6 2013
10			N4	12-16 crack			SS 16	16: green layer, 56, 4/1 => lots of diatoms	
20	mud								
30									
40						30-clast void			
50						44-clast void			
60	mud		N4						
70	turbidite	fine up	N4					silt-70cm	} smear slide:
80								fine sand-79cm	
90						88-clast void			
100								0-107-granule clasts, black mottling	
110	mud		N4					107-150: no clasts, black mottling	
120									
130									
140									
150									

3

Expedition 341 S. Alaska Margin: U1417 A 11 2 0-150
 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: Date:
0									HB, 6-6-13
10	mud		10Y		silt	dispersed clasts fs			
18									diatom ooze!
20	diat. ooze		10Y4/2				SS		
40									
40.5	↓ mud		10Y			dispersed clasts fs			
50									
60	◇ ↓				silt	clast 2 cm brsillite			
70									
80	◇					clast 0.5 cm			
90									colours banded 10Y4/2, 10R2S/1, 10G3/1
100	diatom ooze		colours banded 10Y4/2						
110									diatom ooze
119							SS		
120									
130	◇ ↓ mud				silt	clast 3 cm arisillite dispersed clast fs			
140									
150									

2

1

Expedition 341 S. Alaska Margin:

Site: U147 Hole: A Core: 11 Section: 3 Top Depth: 0-130

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									AB, 6-6-13
10	↓					dispersed clasts			
20	↓				fish	ss			
30	mud		N4						
40	↓								
50	↓				fo				
60	↓								
70	↓								
80	↓								
90	↓				mud cracks				
100	↓								
110	↓					clast			
113	◇					1cm			
118	◇					2.5cm			
120	↓								
130	↓								
140	RL								
150	↓								

Expedition 341 S. Alaska Margin:

U1417

A

11H

5

8190 cm 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: LBC	Date: JUNE 6 2013
0								0-101: granules		
10	mud		N4			12-13-clast void				
20						26-27-pebble				
30										
40										
50	mud		N4							
60										
70										
80	mud		N4			81-pebble				
90										
100	END			(V)		96-99-2cm clast		→ pulled from 100 98-99: void from clast pull		
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

U1417

A

11H

6

8291cm 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: LBC	Date: June 6 2013
0								0-31: black mottling		
10										
20	mud		N4							
21-25								→ argillite pebble		
30										
36						pebble				
39-41.5	turbidite? fine up		5Y 5/1				SS40	39-41.5: silt (fine?) up to mud, sharp bottom, gradation at top		
40										
47						clast void				
50	mud		N4							
57-59						clast void				
60										
69-70								void, destroyed		
70	END			VOID						
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

U1417

A

12H

Z

8690cm 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: LBC	Date: JUN 26 2013
0	mud		N4							
10										
20										
30										
40						38-clast void		25-57: small clast drag		
50						49-clast void 53- former sed clast		49-73: crack, slight		
60								60-61: silt layer, bowed,		
70	mud		N4			65-66- alt. sed clast 68-69- alt. sed clast 70- alt. sed. clast				
80										
90										
100						98- pebble 99- pebble				
110										
120	mud		N4			115- pebble				
130										
140								138- black layer 143- black silt lens 146- brown mud layer		
150						148- pebble				

Expedition 341 S. Alaska Margin: U1417 Site: A Hole: 12H Core: 3 Section: 88400m 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: LBC	Date: JUNE 6 2013			
0	mud		N4			4-6-elongate sed. clast							
10						13-14-pebbles	16-29: small clast pulled up						
20	mud		N4										
30													
40													
50	mud		N4										
60													
70													
80													
90	mud		N4			82-84-pebble							
100													
110													
120													
130													
140	IW					110-115-pebble							
150													

Expedition 341 S. Alaska Margin:

UK17

A

B

2

0-150.5

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: Date:
0	↓							massive mud	UB; 6-6-13
10	mud					dispersed clasts			
20	↓					Bi. through out 2/cm			
35	↓								
40	□					□ clast 6x5 cm		(well rounded argillite	
50	↓		N4						
60	↓								
67	□					□ clast 4 cm		rounded argillite	
70	↓								
80	↓								
90	↓								
96-98	□					□ clast 3 cm		subrounded argillite	
100	↓								
110	↓								
120	↓								
129	□					□ 0.5		subangular	
130									
139									
140	silt	10/312						structureless, diatom in mud	
142	mud								
150									

4

Expedition 341 S. Alaska Margin:

Site: U1417 Hole: A Core: 13 Section: 3 Top Depth: 0-143

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						fs clasts			
10	↓					trace			
20	und		N4						
30	↓								
44									
48	diatom ooze		10Y4/2				CS	diatom ooze cottage cheese structure	
53									
60						clasts abundant,			
70	und		N4						
80	•••					clast-rich			
90	und								
95									
97								10Y4/2 diatom ooze	
100								massive und	
110	und								
120									
130	clast 1cm					clast 1cm		subangular, limestone	
140									
150	1W						1W		

Expedition 341 S. Alaska Margin: U1417 A B 4 0-136
 Site: Hole: Core: Section: Top Depth:

Major Lithology: und 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								massive und	
10									
20	und		N4						
34									
40	diatom ooze		10Y W2					collage Scese str.	
50							ss	diatom ooze	
54									
60	und							massive und small clasts very rare	
70	◇					◇ unrec clast			
80	◇					◇ clast in WH 2cm		subrounded	
90									
100	◇					◇ 2cm		subrounded	
110									
120									
130									
140	HS					HS			
150									

Expedition 341 S. Alaska Margin:

U1417

A

14H

1

104.40m 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: LBC	Date: JUN 6 2013
0								*granule throughout		
10	mud		N4							
20				soupy				0-36: soupy, slight to mod.		
30										
40										
50	mud		N4					47-121: small clast dragged		
60							SS60	- diatoms, but not many		
70										
80										
90										
100										
110										
120										
130						132 - pebble				
140										
150										

Expedition 341 S. Alaska Margin: U1417 A 14H 4 108.90 m 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: <u>LBC</u>	Date: <u>June 6 2013</u>
0				0-20 clast drag				0-20: small clast drag		
10										
20	mud		N4			21- pebble 25- clast void 26- pebble		19-150: crack, slight		
30										
40										
50						47-48- alt. sed clast 50- alt. sed clast				
60	mud		N4					66-117: small clast drag		
70										
80										
90										
100										
110										
120	mud		N4			118-120- pebble				
130						129- alt. sed clast				
140						138-139 clast void				
150										

Expedition 341 S. Alaska Margin:

Site: U1417 Hole: A Core: 14 Section: 5 Top Depth: 0-150

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	diatom ooze		10Y 4/2					coarse c. str.	
7									
10									
10	mud		N4			disposed clasts			
20									
30									
30	diatom ooze		10Y 4/2						
40									
48.5									
50								3 cm subrounded aspillite	
60								miss'g clast	
70								1.5 cm clast, subangular	
80	mud		N4						
90									
100									
100								601 - 604 sub-angular clast	
110									
120									
130									
140	diatom ooze		10Y 4/2					coarse ooze str.	
150									

Expedition 341 S. Alaska Margin: U1417 Site: A Hole: 15H Core: 5 Section: 119.90 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: <u>LBC</u>	Date: <u>Jun 26 2013</u>
0								clasts present		
10	mud		N4	10-21				→ small clast drag		
20				14-17				→ large clast drag, in W		
30										
40										
50										
60	mud		N4							
70										
80								76 - green layer		
90								89 - green layer		
100										
110								106 - green layer		
120	mud		N4							
130						131 - clast void				
140										
150										

Expedition 341 S. Alaska Margin: U1417 A 15H 6 121.40m 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: <u>LBC</u>	Date: <u>JUN 26 2013</u>
0								*clasts present		
10	<u>mud</u>		<u>N4</u>							
20										
30										
40						<u>39-pebble</u>				
45						<u>44-pebble</u>		<u>44-71 - small clast drag</u>		
50	<u>mud</u>		<u>N4</u>							
60										
70										
80								<u>81-96: small clast drag</u>		
90										
100	<u>mud</u>		<u>N4</u>							
110							<u>SS110</u>			
120										
130										
140						<u>139-140 void clast</u>				
145						<u>142-pebble</u>				
150										

Expedition 341 S. Alaska Margin:

U1417

A

16H

2

124.90 m 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: L. Childress	Date: June 6 2013
0								*clasts present		
10								mud w/ interbedded diatom rich layer		
20	mud		N4			21+ altered sed. clast		7-23: crack, slight		
30										
40						35-pebble				
50				o		51- clast void				
60										
70	diatom rich?	67	N4							
80										
90	mud		N4							
100										
110										
120				∇		118-122 clast void				
130										
140										
150										

Expedition 341 S. Alaska Margin:

U1417

A

16H

3

126.40 m 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: L Childress	Date: June 26 2013
0	mud		N4					*clastic present		
10	diatom rich ?		N4 w/ olive							
20								21 - black patch - bioturbation?		
25								25-69: small clast drag		
30										
40										
50										
54-57						54-57 - clast void				
60	mud		N4							
70										
80						81 - pebble				
90										
100										
106	diatom ooze	106	N4 w/ olive					SS110 - diatom ooze		
113		113		(V)		113-115 - clast void				
120										
131								131 - brown silt layer		
140										
150	IW						IW			

Expedition 341 S. Alaska Margin:

U1417

A

16

6

0-121.5

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 Date: 6-6-13
0	mud					clasts, fs, present		
10	mud							
20	mud							
30	mud							
40	mud		N4					
50	mud							
60	mud							
70	mud							
80	mud							
90	mud							
100	mud							
110	mud							
120	mud							
130	mud							
140	mud							
150	mud							

Facies as described

Expedition 341 S. Alaska Margin:

41417

A

17

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: Date:
0								0 - 122 cm Facies 2	JH - 7.6.93
10									
20									
30									
40									
50									
60	Mud								
70									
80									
90									
100									
110	ooze							109 - 121 cm diatom ooze diatom ooze highly color mottled	
120								122 - 150 cm facies 1	
130	Mud							124 - 127.5 deformation	
140								clast ϕ 0.5 cm @ 142 cm	
150									



Expedition 341 S. Alaska Margin: U1417 A 17H 4 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:
0									PF -06/JUN/13
10								for facies description see bench sheet U1417 A 17H 1	
20								0-86: interdispersed Facies 2; some brachiopods & volcaniclastic intervals	
30								86-98.5: Facies 1	
40								98.5-122: Facies 2, 116.5-119.5 sandy mud with some volcanic glass & turbidite	
50								122-136.5: Facies 1	
60								136.5-145.5: Facies 2; interdispersed brachiopods mlh?	
70								145.5-150: Facies 1	
80									
90									
100									
110									
120									
130									
140									
150									

EDS

Expedition 341 S. Alaska Margin:

41417

A

17

5

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: Date:
0								0-40 cm Facies 1	JL 7.6.93
5								5-9 cm medium - fine sand bed facing upward	
10								↓ turbidite	
13-14								sand lense @ 13-14 cm (pull-down for turbidite?)	
40								40-124 cm Facies 2	
60	mud								
93-96								clast (dropstone) @ 93-96 cm ϕ 4 cm	
109-110								distal facies layer @ 109-110 cm	
124-150								124-150 cm Facies 1	

Expedition 341 S. Alaska Margin:

41417

A

18H

1

0-149 cm

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								0-2 cm = ss-py	JH/F .07/Jan/13
10								for facies description see hand sheet 41417 A-18H 1	
20								16-18 cm void crack	
30								0-141: facies 1	
40				see →				↳ sediment does not fill entire line → disturbed?	
50								width	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

ECS

Expedition 341 S. Alaska Margin:

Site: U1417 Hole: A Core: 18H Section: 3 Top Depth: 0-133

in DC

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									PF 02/20/13
10								For facies description, see barrel sheet U1417 A 18H 1	
20								0-28: Facies 1; gradual transition to fine, 0-18: liner not entirely filled with red	
30								28-133: Facies 2;	
40								84-85 lens with bioturbation-bearing mud (<5mm)	
50								~40-50: UPWARD (1/8) bending along lines wells (up to 9cm)	
60									
70									
80								0-109: ~2cm wide 8 cm deep "trench" due to drag of plastic piece from exploded liner	
90									
100									
110									
120									
130									
140									
150									

EVS

Expedition 341 S. Alaska Margin:

U1417

A

18H

CC

0-34

in DC

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								for facies description see barrel sheet U1417 A 18H A	
10								0-29:	
20								Facies 2; clast are meta sediments? some sandy(?) intervals, lighter silty Lo volcanic clasts	
30								29-30: Sample beating?	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

41419

A

1971

3

2-140

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								for faces description see barrel sheet 41419 A-A	TF 12/15/13
10								0-2.5:	
20								* faces 2	
30								2.5-140:	
40								* faces 1	
50								* ash layers at: 63, 67, 71.5	
60								↳ some sharp lower contacts!	
70								* ash clasts at: 20.5, 57.5-58.5	
80								* Sand clast at: 40	
90								* Sand blatta: 76.5-78.5	
100								67: crystal ash ferruginous silt	
110								76.5-78.5: very-fine sand	
120									
130									
140									4
150								140-150: SAMPLE	

Expedition 341 S. Alaska Margin:

U1417

A

19

4

0-135 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: Date:
0									JM - 7.06.13
10								0-87 cm Facies 1	
20									
30									
40	Mud								
50									
60								clast @ 62 cm	
70									
80								(carbonate?) lens @ 81 cm (white fine grained material)	
90									
100								87 - 135 cm Facies 2	
110	Mud							- dark (silty?) layer @ 92 cm	
120								- clast @ 95 cm next to lens filled with brownish silty stuff	
130								- lens filled with white fine-grained material @ 101.5 cm (carbonate!)	
140								- 103-135 cm dispersed clasts	
150									

4

WRM

Expedition 341 S. Alaska Margin:

U1417 A 22H 1 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:
0									MF 07/JUN/13
10	Scand clasts							for facies description see barrel sheets U1417 17H 1 & 21H 2	
20								0-45	
30								* facies 1	
40								* scattered sand clasts up to 2cm wide & 1cm high	
50								* gradational lower boundary	
60								45-139.5	
70								* facies 3; mixing with underlying sand between ~133-139.5	
80								139.5-143.5 sharp lower boundary	
90								* fining upward from fine to very fine volcanoclastic-rich sand	
100								* coarse lower boundary	
110								* mixing with fac	
120								143.5-150	
130								* facies 3	
140									
150									EDS

25y25/4

EDS

Expedition 341 S. Alaska Margin:

Site: U1417 Hole: A Core: 224 Section: CC Top Depth: 0-42

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: <u>RF</u> Date: <u>07/JUN/13</u>
0								<p>for facies description see barrel sheet U1417 174 1</p> <p><u>0-36:</u> Facies 2</p> <p><u>36-42:</u> SAMPLE</p> <p>EOC !</p>
10								
20								
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								