

Expedition 341 S. Alaska Margin:

41418

F

4R

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:
0			N4	minor mud - light				0-150 diatom bearing	MF-02/26/13
10			to 10y 4/1					Mud with dispersed clasts	
20								* colour banding between N4 & 10y 4/1	
30								* occasional lamination (down to sub-mm) - some lamination might be drilling disturbance	
40								* scattered clasts, mostly black grains of medium to coarse sand	
50								to also clast in thin laminae	
60								* increasing clast size (to granule & pebble) below ~ 131 cm	
70								* occasionally somewhat enhanced accumulation of clast in flow in between biscuits	
80								* varying amounts of clast	
90								* some intervals with calcareous bearing diatom ooze (based on similar slide in section 2, 114 cm)	
100									
110									
120									
130									
140									
150									

biscuits + flow in (oldest) slight to moderate (varying)

Expedition 341 S. Alaska Margin: U1418 F 4R 2A 0-138  
 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					0-128	MF 02/Jul/13
10		flow in	to 10y 411					* see section 1 * no distinct lamination visible	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110								~105: pebble of green stone	
120								118-120: granules of millstone, quartz & feldspar	
130									
140							1W	128-138: Sample 1W	
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			<u>U4</u>					<u>0-139</u>	<u>PF 02/Jul/13</u>
10			<u>to 10y 411</u>					<u>* see section 1</u>	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

fine to medium (varying)  
 silt & clay (slight)

varying thickness of  
 intervals with higher  
 clast contents. (up to  
 20 cm)

74-139 color banded  
 \* Interbedded mud with diamict  
 \* varying amounts of clast  
 \* intervals with higher clast contents  
 often associated with lighter (10y 411)  
 intervals, but not always.  
 \* color banding often gradational  
 between more greyish (lower)  
 & more greenish grey (upper),  
 but sharp between greenish  
 grey & grey. (Not always)  
 \* tops of clast - mud interval  
 sometimes gradational and  
 sometimes sharp / coinciding  
 with sharp boundaries from greenish  
 grey to dark grey

Expedition 341 S. Alaska Margin: 41418 F 4R 4 0-147

Site: Hole: Core: Section: Top Depth:

Major Lithology: Diamicton 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								clayey mud (N4)	JM 2.7.13
10								- interbedded mud & diamicton	
20								N4 to 10Y 4/1 color variations	
30								- clast poor to clast-rich diamictons	
35								- some very fine (micron) laminations (brownish)	
40							SS (79)	clasts include sub-angular silt clay/siltstone-greenstones, quartz grains	
50								gradational boundary between individual diamictons	
60									
70									
80								mud with vol. ash	
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 41418 F 4R 5 0-130  
 Site: Hole: Core: Section: Top Depth:

Major Lithology: clayey mud & diacrit 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								clayey mud with diacrysts - clast @ 6cm, $\phi$ 3cm, angular siltstone - fine laminations (~1cm) - clast-poor diacrysts dominate - mainly sharp upper boundaries <u>0-50cm</u> = mud with dispersed clasts <u>50-130cm</u> = muddy clast-poor diacryst clast @ 61cm, $\phi$ 3cm, sub-rounded greenstone clast @ 88cm, $\phi$ 1cm, quartz mud with volc. ash	JM 2.7.13
10									
20			N4						
30			to						
40		very slight columnar sandstone	10y 4/1	25-52 fine mudstone, clayey, laminated	0		SS (41)		
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

meta-  
siltstone  
with  
ash  
at  
22

Expedition 341 S. Alaska Margin: U1418 F 4R CC 0-24

Site: \_\_\_\_\_ Hole: \_\_\_\_\_ Core: \_\_\_\_\_ Section: \_\_\_\_\_ Top Depth: \_\_\_\_\_

Major Lithology: Med f. clay 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 2.7.13
10		0		vertical	0			clayey med. with clast-poor diamic → med. with dispersed clast	
20			N4						
30	PAL							24-29 sample	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 7 SR 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:
0			N4	Mud. SR Mud.				0-100	TF 02/jul/13
10								* Muddy, clay-poor diamic * slight colour banding between N4 and towards 107.4/1	
20								* varying clay contents * mostly clasts < 1mm (mostly black)	
30									
40									
50									
60								* intervals with rel. high sand content: ~ 11-13 cm, ~ 26-28 cm, ~ 35-37 cm, ~ 109.5 - 119	
70									
80									
90									
100									
110								~ 110. pebbles of greenstone & granitoid rock	
120									
130									
140								135-110: Sample SAFF	
150									



Expedition 341 S. Alaska Margin: U1418 F SR 2A 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:
0			N4					0-141	PF 02/jul/13
10								* Muddy, clay-poor diatomid	
20								† slight colour banding between N4 and towards 10 y 4/1	
30								‡ varying clay contents	
40								§ mostly clasts < 1mm, but less than in Section 1	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Essentially slight banding

~89.5 - 91.5 cm: lamination (max. 3mm)

~101.5 - 103.5: pebble of greenstone

141-151: Sample 1W

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					0-150	MF 02/JUL/13
10								* Muddy, clay-poor diamict	
20								* slight colour banding between N4 and towards 107.4M	
30								* varying clay contents	
40								* mostly clasts < 1mm	
50								* occasional fine/medium sand laminae < 3mm with occasional boundaries, both in more clay-rich and greenish grey beds	
60								* lamination between ~107-135 cm, eventually more, but not visible due to cutting surface; LO laminae max. 5mm	
70								1 sand	
80								* occasional mud clasts, e.g. ~102	
90								~60cm: mud clast	
100								66-67 granitic pebble	
110								~107-~135: occasional lamination / very thin bedding	
120								enhanced clay content due to flow in?	
130								~125: red sand grains	
140								~128: siltstone or basalt pebble(?)	
150								LO not possible to distinguish	

Expedition 341 S. Alaska Margin: 4748 F SR 4 0-1502  
 Site: Hole: Core: Section: Top Depth:

Major Lithology: md / diamic 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 2.7.13
10								muddy clastose diamic (cagey!!!)	
20			N4					- slight color variations from N4 to 107 417	
30		very slight color banding		very slight silt churning	0			- grains of lithic, etc. dispersed throughout section	
40								low-stone @ 30-31 cm, $\phi$ 2 cm, well rounded granitoid (ae, top. S. 107k)	
50									
60									
70					0				
80									
90								clast @ 98-100 cm	
100			N4					dark gray/greenish, coarse lithic - lentic clast, $\phi$ 3 cm, subangular	
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 F JR 5 0-100cm  
 Site: Hole: Core: Section: Top Depth:

Major Lithology: Diat 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 27.13
10								<p>→ muddy <u>clast-poor diat</u> (clayey)</p> <p>clasts: subangular black metabasalts, feldspars, greenstones (~0.1-0.4 cm)</p> <p>- color variations between N4 &amp; 10Y 4/1</p> <p>- thin darker laminae (1-)</p>	
20			N4		0				
30									
40									
50									
60									
70									
80			N4						
90								86-95 cm: higher accumulation of clasts (clast-rich diat)	
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 41478 F 5R 6 0-68c  
 Site: \_\_\_\_\_ Hole: \_\_\_\_\_ Core: \_\_\_\_\_ Section: \_\_\_\_\_ Top Depth: \_\_\_\_\_

Major Lithology: Dia-ict 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								- clast poor dia-ict (muddy)	JM 2.7.13
10					0			N4 to 10Y 4M color variations	
20								- thin dark laminae (N4)	
30			N4						
40		very subtle mottling		little flow					
50					0			48-49.5cm: clast-rich intervals	
60								56-58cm: - -	
70									
80									
90									
100									
110									
120									
130									
140									
150									



Expedition 341 S. Alaska Margin:

Site: 41418 Hole: F Core: SR Section: CC Top Depth: 0-150

Major Lithology: Diacid 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	NF	0	0			luddy clast-poor diacid	JM 27-13
10								med-sized grs, fsp, grains	
20	PAL						15-20		
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 F 6R 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:
0			<u>M4</u>	<u>mud</u>					<u>MF 02/Jul/13</u>
0-135								<p>0-135:</p> <ul style="list-style-type: none"> <li>* Muddy, clast-poor diamict</li> <li>* slight colour banding between M4 and towards top 4/1</li> <li>* varying clast content</li> <li>* mostly clasts &lt; 1 mm (mostly black)</li> <li>* occasional sand laminae with gradual lower &amp; upper boundaries</li> <li>* some mud clast, e.g. ~20 cm</li> <li>* 11-16.5: nit tone, partly altered</li> <li>* occasional lamination, e.g. ~44 cm</li> </ul> <p>↳ generally rel. few clasts compared to surrounding section.</p> <p>↳ could also be flow in? (43-44 cm)</p> <p>↳ sub-mm</p> <p>↳ ~48 cm, 63 cm, ~78-90 cm</p>	
135-150								135-150: Sample 071M	

Expedition 341 S. Alaska Margin: U1418 F 6R 2A D-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					0-150	KF 02/Jul/13
10								* Muddy, clay-poor diamict	
20								* light colour banding between N4 and towards 109 411	
30								* varying clast contacts	
35								* mostly clasts < 1 mm (mostly black)	
40								* occasional sand laminae	
50								with gradual lower & upper boundaries -> could occasionally also be flow in?	
60								* no mud clast	
70								* granule & pebble clast of sandstone, siltstone/claystone & granitoid fragments	
80								* occasional lamination, < 5mm	
90								~14 cm, ~65-70 cm, ~114-120, ~125-130	
100									
110									
120									
130									
140									
150									

sandstone  
granitoid?

slight bioturbation, but slight flow in

Expedition 341 S. Alaska Margin: U1418 F 6R 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:
0			N4					0-150	RF 021 JUL /13
10								* Muddy, clast poor diammit	
20								* slight colour banding between N4 and towards top 4/1	
30								* varying clast contents	
40			hard clast					* mostly clasts < 1 mm (mostly black)	
50								* few mm clasts, e.g. ~39.5 & 110	
60								* occasional lamination	
70									
80									
90									
100									
110			hard clast						
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: W418 Hole: F Core: 6R Section: 4 Top Depth: 0-140

Major Lithology: Dialect 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									DM 27/13
10								- clast-poor w-dy dialect	
20			N4					- veg fine grained clasts (b. sh. & g. grains, lithics) dispersed throughout	
30								- very slight color banding	
40		slight color banding						- very clay-rich mud	
50								- siltier clasts, early redox-lr slake into siltstones	
60									
70									
80									
90									
100			N4						
110									
120									
130								@ 135 cm, $\phi$ 2 cm white limestone	
140							X		
150									



Expedition 341 S. Alaska Margin: 41418 F GR 5 8-1000  
 Site: Hole: Core: Section: Top Depth:

Major Lithology: Diamicton 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								clast-poor waddy diamicton	JM 2.7.13
10					0			- very clay-rich mud!	
20								Very fine/narrow color banding	
30								- grains & clasts dispersed throughout section (black interbedded clasts)	
40		color banding	N4						
50									
60					0				
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 41418 F GR 6 0-79.5  
 Site: Hole: Core: Section: Top Depth:

Major Lithology: Diatom 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								→ clast-poor waddy dia: ct with sand	JM 2.7.13
10			NK		0			clast @ 10cm: granitoid	
20								clast @ 17-21cm, w. k. sandstone / subangular, Ø 5cm	
30		0						+ black siltstone	or shist 2-3
40								<u>44-46cm: sandy flow in!</u>	
50					0				
60			NK						
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 44418 F BR CC 0-150

Site: \_\_\_\_\_ Hole: \_\_\_\_\_ Core: \_\_\_\_\_ Section: \_\_\_\_\_ Top Depth: \_\_\_\_\_

Major Lithology: Dicoid 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 2.7.13
10			N4	crack	0			clast-poor waddy dicoid clasts + black vitric. waste	
20	PAL						15-20	sample	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 11418 ♀ 7R 1A D-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: dark poor waddy diorite Minor Lithology: mud with dispersed clasts

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			worm		□		3 cm, angular, black + grey banded	LAB, 07-02-13
10			N4						
20						△		6 cm sandstone, subrounded	
30						△		"greenstone", basalt?	
40				↑		△		black sand + gtz vein	
50	clast poor waddy diorite		N4					coarse sand grains + granules dispersed in mud	
60								clast concentration zones	
70									
80						△		meta-diorite, 0.8 cm, subrounded	
90						△		siltstone 2 cm, subrounded	
100									
110	mud with disp clasts		N4					Sanct color bands dark grey - dark green grey 10/9/11 throughout cores with warts!	
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 11415 F 7R 2A 0-150  
 Site: Hole: Core: Section: Top Depth:

Major Lithology: mud w. dispersed clast 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, 07-02-13
10	mud w. disp. clasts							↑ faint colony bands, N4-10Y4/1 dkt grey - dklt greenish grey	
20			N4					↓	
30									
40								clast mid layer, coarse sand blast det, granule, angular	
50									
60				↑ bioturb. mud.					
70								mud with sand grains	
80								meta-chert, angular, 2 cm	
90				↓			SS13	clast mid layer, coarse sand siltstone	
100									
110								blast siltstone, granule	
120									
130									
140									
150									



Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: TR Section: 3A 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	und								AB, 07-02-13
10	w. disp. clasts		N4						
20									
30									
40									
50	und. det. frag. diam.		N4	↑			SS4	granite sized sand grains und. with fairly laminated dis. frag. $\approx$ 67 1/2 d. s. greenish grey	
60	B					B			
70	und. w. disp. clasts		N4	↓					
80									
90									
100									
110									
120		△						upward increase of d. s. (c.s.) down = d. s. layers	
130									
140									
150	W								

Expedition 341 S. Alaska Margin: U41B F 7R 4A 313.00m CSF-A

Site: F Hole: 7R Core: 4A Section: 313.00m CSF-A Top Depth:

Major Lithology: <sup>silty</sup> MUD (w/ dispersed clasts) 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: JULY 2 2013
0						> 2mm + granules				
10								* 15cm, 1.5cm siltstone * greenish gray color bands up to 1cm		
20	silty MUD w/ dispersed clasts	COOL-OP B SOZAB	N4	B S C U T (mod.)	none					
30										
40								* 37cm: 1cm siltstone		
50										
60										
70										
80										
90										
100	END									
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

U1410 Site: F Hole: 7R Core: 5A Section: 314.00m CSF-A Top Depth:

Major Lithology: silty Mud (w/ dispersed clasts) 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: July 2 2013
0						granules ↓				
10										
20	silty MUD w/ dispersed clasts	LOBLOL COZAB	N4	BISCUIT (mod)	none			greenish gray color bands (up to 1cm thick)		
30										
40							SS42	silty mud		
50										
60										
70										
80										
90	END									
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U141B F 7R CC-A 314.91cm CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: Silty Mud w/ DISPERSED CLASTS 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:
									Childress	July 2 2013
0						granules				
10	silty mud w/ dispersed clasts	X	N4	B-1 G-C I-T (mod)	none					
30	PAL						PAL			
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1418 F BR 1A 318.20m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: Silty Mud w/ dispersed clasts 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: July 2 2013
0	Silty Mud w/ dispersed clasts	MOZAB ROLL	N4	Bioturbation (slight)	none	> 2mm + granules				
10								→ fine grained "granite" w/ fabric (mica) (1cm) * greenish gray color bands (most < 5mm thick)		
20										
30										
40								high		
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

U1418

F

BR

CC-A

318.80 m CSF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: Silty Mud (w/ dispersed clasts)

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:
									Childress	July 2 2013
0	Silty Mud w/ dispersed clasts	COLOR BAND	N4	1-cm-3 (5-10)	none	granules		*greenish gray color bands (mm.s)		
10										
13	PAL						PAL			
18										
20										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										



Expedition 341 S. Alaska Margin: 11418 F 9R 1A 0-150  
 Site: Hole: Core: Section: Top Depth:

Major Lithology: mud w. disp. clasts 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								2 sandstone clasts, rounded, 7 and 3 cm	AB, 07-02-13
10									
20	mud w. disp. clast		N <sub>4</sub>					fine of laminated	
30								brown silty mud with 5% 1/4" (dark green) silt clasts, about 1/2 cm	
40									
50									
60							SSS	mud, w. bio dispersed clasts in	
70								mud mostly w. sand + oc. sand, a few granules	
80									
90								clast det, pebble 0.6 cm,	
100									
110									
120									
130									
140									
150								granite clast, 0.8 cm,	

Expedition 341 S. Alaska Margin: U1418 7 9R 2A 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud w disp. clasts 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, 07-02-13
10	<u>mud w disp. clasts</u>								
20									
30								<u>clast matrix coarse sand, some granules</u>	
40									
50			<u>Wh</u>						
60									
70									
80									
90									
100									
110	<u>mud w disp. clasts</u>						<u>sltd</u> <u>sltd</u>	<u>diatom ls. mud</u> <u>Prily laminated 58/31 with N4</u>	
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: UM18 Hole: ♀ Core: 9R Section: 3A Top Depth: 0-150

Major Lithology: ud 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>ud</u>								<u>AB, 0-150</u>
10	<u>ud</u> <u>sand</u>								
20									
30									
40			<u>SS/SH</u>		<u>slight to mud</u>				
50									
60									
65									
70	<u>ud</u>		<u>SS/SH</u>						
80							<u>some purple crin. burrows</u>		
90									
100									
110					<u>mod. to heavy</u>				
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1418 F 9R 4A 332.40m CSF-A  
 Site: Hole: Core: Section: Top Depth:

Major Lithology: MMP Minor Lithology: Diatom Bearing 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:
									Childress	June 2 2013
0						+ granules ↓				
10			10GY 4/1							
20	diatom bearing mud							15mm clay clast		
30					mod.					
40										
50						50				
60										
70						70		meta sandstone		
80	mud		N4			BISCUT (mid)				
90					slight					
100										
110						111				
120										
130										
140						137				
150	IW						IW			

Expedition 341 S. Alaska Margin: U1418 F 9R 5A 333.90m 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:
									Childress	July 2 2013
0										
10	mud		N4		slight			14-33: gas exp. (slight to mod)		
20										
30										
40										
50								56-76: crack: mod.		
60										
70										
80										
90										
100										
110	mud		N4		none	sparse granules				
120										
130										
140										
150										

COLOR BAND LAMINAE

B-S-C-U-T

(slight)

parallel

greenish gray color bands/laminae, 1-5mm thick

5595 mud, no bio

Expedition 341 S. Alaska Margin: U1418 F 9R 6A 335.40 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: Childress	Date: July 2 2013
0						granules		0-94: gas exp. (slight to mod)		
10										
20										
30	mud			(mod) ↓	slight					
40			N4	+ GAS						
50										
60	mud w/ common clasts		56 4/1		mod.			SS63- mud, very little bio (trace)		
66.5										
70	mud		N4		mod.					
74										
80	mud w/ common clasts		56 4/1		high					
90										
94										
100										
110										
120										
130										
140										
150										



Expedition 341 S. Alaska Margin:

U1418

F

9R

CC-A

336.34 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:	Date:
									Childress	July 2 2013
0										
10	mud w/ dispersed clasts		N4		mod.	+ granules 4cm (> 2mm)				
17				CRACK dest.						
20	PAL						PAL			
22										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: UM18 Hole: F Core: 10R Section: 1A Top Depth: 0-150

Major Lithology: clay 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	clay								AB, 07-02-13
10	clay with coll. clasts		NY						
20									
30								clay coarse sand, a few granules	
37									
40	clay with disp. clasts		SS 1/4/1	bioturb. void	woodbark			di. zooplankton	
50									
60									
68									
70	clay with disp. clasts		SS 1/4/1					Parallel laminae SS 1/4/1 with NY	
80									
90									
100									
110									
120									
130									
140									
143	clay w.d.c.		NY						
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 10R Section: 2A 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: <u>AB</u> Date: <u>07-02-13</u>
0	<u>mud</u>								
10	<u>mud w/bs disp. clasts</u>		<u>N4</u>						
20									
30									
40									
50									
60									
70	<u>mud w/bs disp. clasts</u>	<u>parallel laminated</u>	<u>SSY/4</u>	<u>← bioturb. mud. →</u>					
80									
90	<u>mud w. disp. clasts</u>		<u>SSY/4</u>	<u>← bioturb. →</u>	<u>heavy</u>		<u>SS87</u>	<u>mud, no bio</u>	
100									
110	<u>mud</u>		<u>N4</u>						
120									
130									
140	<u>mud</u>								
150									

Expedition 341 S. Alaska Margin:

Site: UM18 Hole: 9 Core: 10R Section: 3A 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>								<u>AB, 07-02-13</u>
10	<u>w. dispad clasts</u>								
20			<u>Nh</u>						
30									
40									
50									
60				<u>brisk mud.</u>					
70									
80									
90									
100	<u>Mud</u>								
110			<u>Nh</u>		<u>irregular</u>				
120	<u>Mud w. d.c.</u>		<u>58% Nh</u>						
130					<u>ropy</u>		<u>5130</u>	<u>dist. b. mud</u>	
140									
144	<u>Mud</u>		<u>Nh</u>	<u>Mud</u>					
150									

Expedition 341 S. Alaska Margin:

11418

F

10R

4A

342.10m CSF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: INTER-Bedded mud & DIAMICT

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: July 2 2013
0										
10										
20								20-22cm: 2cm siltstone		
30	mud w/ dispersed clasts				slight					
40										
50			N4	B I S C U T (slight to mod)	slight					
60	mud w/ silt	P L A M I N.			high	absent		5560: mud, no bio (30% silt)		
70	inter-bedded mud & diamict	P L A R M I N. (in mud only)						⇒ "clast rich muddy diamict", some beds w/ largest clasts sorted to top		
80								2-3 cm beds		
90					slight			91-92: 1cm siltstone		
100								106-114: crack, slight to mod		
110										
120										
130										
140										
150								149: 1cm siltstone		

Expedition 341 S. Alaska Margin:

11418

F

10R

5A

343.60 m CSF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: Mud (w/clasts)

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:
									Childress	July 2 2013
0						> 2mm ↓ 4				
10	mud	P.L. A.A.	N4		mod					
20	w/ common clasts	R.M.								
30										
40										
50										
60										
70										
80										
90										
100	inter- bedded mud s. diamet	fin med shly.			slight			5596 mud, no bro ~2cm beds, "clast-rich muddy diamet"		
110	mud w/ dispersed clasts				none	present granules				
120										
130	END									
140										
150										



Expedition 341 S. Alaska Margin:

U1418

F

10R

CC-A

344.89m SF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: Mud (w/ CLASTS)

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:
									Childress	July 2 2013
0	mud w/ common clasts		N4	Bioturb. (in situ)	none	>2mm tgr. tub.				
10										
20										
30	PAL						PAL			
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: U18 Hole: F Core: 11R Section: 1A 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>		<u>5 3/4</u>	<u>clasts</u>					<u>HB, 07-02-13</u>
10	<u>well disp. clasts</u>		<u>5 3/4</u>					<u>rounded siltstone clast, 6 cm long axis</u>	
20								<u>parallel laminated 5 3/4 w/ S N4</u>	
30									
40									
50		<u>parallel laminated</u>							
60									
70									
80									
90									
100	<u>well disp. clasts</u>		<u>N4</u>	<u>biscuit mud blocks</u>					
110									
120									
130									
140	<u>Q117</u>								
150									

Expedition 341 S. Alaska Margin:

Site: U418 Hole: F Core: HR Section: 2A 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>		<u>N4</u>						<u>JB, 07-02-13</u>
10	<u>mud</u>		<u>5g/4/1</u>						
20					<u>moderate</u>		<u>18</u>	<u>mud, no bio</u>	
30									
40									
50	<u>mud</u>		<u>5g/4/1</u>						
60	<u>will disp. clasts</u>								
70									
80									
90									
100									
110									
120	<u>mud</u>	<u>○</u>	<u>5g/4/1</u>	<u>disrupt + crack, mud to clasts</u>	<u>moderate</u>			<u>Open and currow</u>	
130									
140	<u>mud</u>		<u>70/4</u>						
150									

Expedition 341 S. Alaska Margin: U1418 F 11R 3A 350.30 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>Childress</u>	Date: <u>July 2 2013</u>
0										
10										
20	mud		N4		slight					
30								SS20 - mud, no bio.		
38										
40		SAND				absent				
45										
50										
60										
70										
77	grainy mud w/ dispersed clasts									
80										
90					mod	granules				
97										
100										
110	mud				slight	absent				
120										
130										
138										
140	IW						IW			
150										

Expedition 341 S. Alaska Margin:

U1418

F

11R

4A

351.80m CSF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: Diatom Bearing 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:
									Childress	July 2 2013
0										
10	mud w/ dispersed clast		N4		mod.	granules				
24	gradational									
24-30				B I S C U I T (mod. to high)						
40			5G 4/1		heavy			* brown/green mottling (intermittent) - 1mm voids common (gas pockets?)		
60	diatom bearing mud									
70						absent				
100							2S102	diatom bearing mud		
136.5										
140	mud w/ dispersed clasts		N4		mod.	precipit (2, >2mm)				
150										

Expedition 341 S. Alaska Margin:

U1418

F

11R

5A

353.30m CSF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: MUD (w/ dispersed clasts)

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:
									Childress	July 2 2013
0								0-150: biscuit, mod to high		
10				Biscuit						
20	mud		N4		none	absent				
30				GAS EXP (slight to mod)						
40										
50	mud w/ dispersed clasts	PARALLEL LAM.			slight					
60										
70						granules				
80						79 (72mm)				
90										
100										
110										
120										
130	END									
140										
150										



Expedition 341 S. Alaska Margin:

U141B F 11R CC-A 354.62m CSF-A  
 Site: Hole: Core: Section: Top Depth:

Major Lithology: MUD Minor Lithology:

Offset (cm)	Lithology	Sec. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:
									Childress	July 2 2013
0										
10	Mud SS	MLLPP L.A.M.	NH	T-cms-ly (?)	none	*		(mica) banded sandstone (not meta) 4.5cm		
17										
20	PAL						PAL			
22										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U418 F RR 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: Date:
0									HB, 07-02-13
10	mud with disp. clasts		N4						
30	o					o		concretion granule, rounded, black siltstone	
50	mud		N4						
60							set	mud. no tab	
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 1148 Hole: 7 Core: 12R Section: 2A 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	mud		N4						Logged by: JB, 07-07-13 Date:
10									
20	mud		N4						
30	mud with disp. clasts								
37									
40	mud		N4						
50									
60									
70	mud								
80	mud w/ d. clasts		N4						
90									
100									
104	mud		N4						
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U48 Hole: 9 Core: DR Section: 3A 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: <u>AB</u> Date: <u>07-02-13</u>
0									
10	<u>mud</u>		<u>U4</u>			<u>clasts</u> <u>1+1</u>			
20									
30									
40									
50									
60							<u>SSB7</u>	<u>calc. brn. mud</u>	
70									
80									
90									
100	<u>0</u>					<u>0</u>		<u>altstone, 2.2 cm, rounded</u> <u>3 sandstone, 1 cm, rounded</u>	
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 11418 F 12R 4A 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	<u>mud</u>								<u>AB, 07-02-13</u>
10			<u>N4</u>						
20									
30									
40									
50									
60				<u>heavy</u>					
70									
80	<u>mud w. disp. clast</u>		<u>N4</u>	<u>bioturb</u>				<u>finely gray clayey sand; some bioturb. 2.B at 91 cm well developed</u>	
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

W418

F

12R

5A

363.00m CSF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: Mud (w/ dispersed clasts)

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: July 2 2013
0						trace granules / sand (coarse)				
10										
20										
30	mud w/ dispersed clasts	PARALLEL LAMINATION	N4	BISCUIT (high)	none			*extremely trace # clasts		
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140	lw						lw			
150										



Expedition 341 S. Alaska Margin:

U1417

F

12R

6A

364.50m 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: July 2 2013
0										
10										
20	mud	PARALLEL LAM.	N4		none					
30						absent				
40										
41										
45	mud					> 2mm @ 43cm				
50								SS52 → pyritized burrows mud, no bio		
60										
65	calc. bearing mud				mod.					
70								SS71 → calcareous bearing mud		
80										
90										
91										
95										
100	mud	PARALLEL LAM.			none					
110										
120	END									
130										
140										
150										

Expedition 341 S. Alaska Margin: U1410 F 12R 7A 365.71m CSF-A  
 Site: Hole: Core: Section: Top Depth:

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

Offset (cm)	Lithology	Sec. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:
									Childress	July 2 2013
0										
10										
20										
30	mud	PARALLEL	N4	BISCUIT (high)	none	absent				
40										
50										
60										
66	END									
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U41B Site: F Hole: 12R Core: CC-A Section: 366.37m 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:
									Childress	July 2 2013
0										
10	Mud		N4	B S S C C U T (high)	none	absent				
17	PAL						PAL			
22	END									
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 13R Section: 1A 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>	<u>sheep</u>	<u>W4</u>						<u>AB, 07-02-13</u>
10									
20									
26								<u>sharp contact</u>	
30	<u>mud</u>		<u>S7 1/2</u>						
40									
50									
60					<u>bissect, sand</u>				
70									
80									
90									
100	<u>mud</u>		<u>S7 1/2</u>					<u>transitional</u> <u>parallel laminated M and</u> <u>S7 1/2 (dark greenish grey)</u>	<u>dark grey</u>
110		<u>parallel laminated</u>							
120	<u>o</u>						<u>o</u>	<u>broken up small pebbles of mica sand,</u> <u>max. 2.6 cm.</u>	
130									
140	<u>mud</u>		<u>S7 1/2</u>					<u>transitional</u>	
150									

Expedition 341 S. Alaska Margin:

Site: U18 Hole: 7 Core: BR Section: 2A 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>		<u>5G/4/1</u>						<u>HB, 07-02-13</u>
10									
20								<u>sharp contact</u>	
30	<u>mud w. dip clasts</u>		<u>5G/4/1</u>				<u>SS30</u>	<u>mud, no bio</u>	
35								<u>transitional</u>	
40	<u>mud</u>		<u>5G/4/1</u>		<u>dark</u>			<u>transitional</u>	
50	<u>mud w. dip clasts</u>		<u>114</u>						
60									
70					<u>bioturb. / loamy</u>				
80	<u>mud</u>		<u>5G/4/1</u>					<u>sharp contact</u>	
90							<u>SS81</u>	<u>mud, no bio</u> <u>&amp; zooplucos</u>	
100					<u>strong</u>				
110								<u>sharp contact</u>	
110.5	<u>mud with low freq clasts</u>		<u>10Y3/2</u>						
120									
130									
140	<u>HW</u>							<u>pebbles few, rounded, sep sandier</u>	
150									

Expedition 341 S. Alaska Margin: U1418 F 13R 3A 369.70m 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:
									Childress	July 2 2013
0	mud		N3		none	>2mm	553	mud, no bio		
4.5						+gran:				
10			SB 4/1		mod.			1mm voids		
20								SS16a mud, no bio		
30	grad.		N4	B I S C O I T (mod. to high)	slight	a few granules				
40										
50	mud						54			
60										
70										
80										
90							89			
92							93			
100	mud w/ abundant clasts						95			
							98			
							100			
							105			
110										
107										
120	mud w/ dispersed clasts	POLO UPZAW						greenish gray color bands (1-3cm thick)		
							123			
							124			
130										
							132			
140										
							142(2v)			
150										



Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 13R Section: 4A Top Depth: 371.20m CSF-A

Major Lithology: Mud (w/ dispersed clasts) 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									Childress July 2 2013
10	mud w/ abundant clasts		N4		none				
20									
26									
30	mud w/ dispersed clasts	PARALLEL							
40									
50									
60									
70									
80									
90									
100	END								
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 F 13R CC-A 372, 20m 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:
									Childress	July 2 2013
0	mud	PAR, LAM	N4		none	absent				
7										
10	PAL						PAL			
12										
20				B S C O U L T (mod)						
30										
40				B D W (slight)						
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

U1418

F

14R

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:
0			N4	minerals fall in - heavy				0-140	MF 03/Jul/13
10								* Mud with dispersed clasts	
20								* occasional lamination (mostly < 1mm thick laminae, but occasionally thicker, up to ~3mm	
30								↳ laminae derived from cloner variation and occasionally from deposition of sand	
40								interval that are most, a few grains thick	
50								* mud/sand clast occur	
60								* lithic grains mostly < 1mm, and up to 1cm large	
70					None			* lithic grain occur as concretion as well as in interval of larger amount, up to 3cm thick	
80								* some colour variation (mostly on laminae scale)	
90								↳ variation between "roughly N4 & 10y 411"	
100								* one full-in clast at ~7-11cm	
110									
120									
130									
140								140-150: Sample SCRE	
150									

Expedition 341 S. Alaska Margin: U1418 F MR 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:
0			N4					0-150 * see section 1	MF 03/Jul/13
10									
20									
30									
40									
50			Mud/sand clast					S5 mud with sand (inside mud/sand)	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 F 14R 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:
0			U4					0-150	MF 03/Jul/13
10								see section 1	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

bioturb & flow in (slight to moderate)  
 NONE

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 14R Section: 4 Top Depth: 0-141cm

Major Lithology: med 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								= med with dispersed clasts	JM 3.7.13
10					0			med with clast-poor diam: ctr → clasts include fine to medium sized grains to 0.5cm pebbles	
20			N4						
30			to 10Y 4/1					laminations to 1m to 5m → grain-size differences	
40		slight color banding						N4 to 10Y 4/1 variations	
50								- few med layers with fine sand grains	
60								- intervals with higher clast abundance often with gradational boundaries	
70									
80									
90									
100					0				
110									
120									
130									
140							140-150	sample	
150									



Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 14R Section: 5 Top Depth: 0-150

Major Lithology: *hd w. siltst* 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 3.7.13
10								<i>hd with dispersed clasts</i> <i>→ fine to coarse grained sand</i>	
20			<i>M4</i>		<i>0</i>			<i>→ some fine laminations</i> <i>(1 cm to 5 cm thick)</i>	
30	<i>clays</i> <i>hd</i>		<i>1.0Y</i> <i>4.1N</i>					<i>- relatively few clasts</i>	
40		<i>slight color banding</i>							
60									
80									
100									
110					<i>0</i>				
140								<i>limestone @ 142 cm, φ 3 cm</i> <i>black, argill. siltstone</i>	
150									

Expedition 341 S. Alaska Margin: UN418 F 14R 6 0-78c

Site: Hole: Core: Section: Top Depth:

Major Lithology: red siltstone 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									
10	layers		N4		0			red with dispersed clasts (layers red!)	JH 3.7.13
20			to 10Y 4/1					very subtle color changes	
30		subtle color banding	4/1	biscuit				very fine laminations occur	
40									
50					0			last 5 cm, 0.5 cm slab	
60								interstratified	
70								69-70 cm: doestone: slab from	
80								interstratified	
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 41418 F 14 R CD 0-19

Site: \_\_\_\_\_ Hole: \_\_\_\_\_ Core: \_\_\_\_\_ Section: \_\_\_\_\_ Top Depth: \_\_\_\_\_

Major Lithology: sd 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>sd</u>	<u>col. bedding</u>	<u>N4</u>	<u>sd</u>	<u>0</u>			<u>hard with very few fine sized sand grains, subtle laminations</u>	<u>JM 3.7.13</u>
10			<u>to y</u>						
20	<u>PAL</u>		<u>to y</u>				<u>13-24</u>	<u>sample</u>	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 F 15R 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:
0			N4	none high				0-54	MF 03/jul/13
10								* Mud with dispersed clasts	
20								* 12-13: mica-rich pebble (granuloid or metamorphic?)	
30								* 23 cm: one grain of coarse sand	RED
40								* lamination (< 5 mm)	
50									
60									
70								54-150:	
80								* clay-poor muddy diamicite with sand	
90								* slight colour banding	
100								* varying amounts of clasts; mostly < 1 mm	
110								* some accumulations in beds with gradual upper & lower boundaries	
120								↳ "distinct, clay-rich beds"	
130								* very occasional lamination	
140									
150									

bracket & full-in (slight - moderate)

Expedition 341 S. Alaska Margin: U1418 F 15R 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:
0			N4					0-9	MF 03/Jul/13
10								* clast-free muddy diamicite with sand	
20								↳ see section 1, 54-150 for details	
30									
40								9-150	
50								* Mud with dispersed clasts	
60								* rel. much lamination < 5mm	
70								* some colour banding between max greenish grey and dark grey	
80								* also clast-mil. laminae, mostly up to 5mm thick	
90								* occasional mud/sand clast	
100								* clast mostly < 1mm	
110									
120									
130									
140									
150									

brinoid & flow-in (objets de moderate)

mud + sand clast

Expedition 341 S. Alaska Margin:

U1418

F

15R

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:
0			N4					0-150 to see Sed. 2, 9-150 cm * more lamination / colour-lamination & less clast than in overlying units	FF 031 / 04/13
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Mud hair clast

bioclasts & flow-in (aligned to molecules)



Expedition 341 S. Alaska Margin: 61418 F 15R 4 0-136

Site: 61418 Hole: F Core: 15R Section: 4 Top Depth: 0-136

Major Lithology: Mud with dispersed clasts 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								clayey mud	JM 3.7.13
10					0			- with very fine planar laminations (1-5cm)	
20			N4					- few dispersed clasts (= distinct layers)	
30			to 10% 4/1					→ fine to med grains (fine)	
40		subtle color banding							
50				slight bioturbation					
60									
70									
80									
90									
100					0				
110									
120								clast 123cm, black calcareous	
130									
140							136 151		
150									

Expedition 341 S. Alaska Margin: 41418 F 15R 5 0-150cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Med # Diamic 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 3.7.13
10		Sed. color sandy	N4					med with dispersed clasts (only few fine 0-60cm fine (1-5mm) clasts) → fine grain ed clasts	
20			To						
30			N4 4/1						
40									
50									
60									
70			N4					60-150cm = higher occurrence of diamic intervals (= few more clasts) = clast-poor diamic	
80			To					→ fine to coarse (fine grains clasts @ 1cm (~ 0.8cm))	
90			N4 4/1					= <u>muddy diamic (clast-poor)</u>	
100								→ gradual boundaries	
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 41418 F 15R 6 0-135

Site: \_\_\_\_\_ Hole: \_\_\_\_\_ Core: \_\_\_\_\_ Section: \_\_\_\_\_ Top Depth: \_\_\_\_\_

Major Lithology: hard, silty 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 3.7.13
10			N4		0			muddy diamict (clast-poor)	
20			to 10/41					- slight lamination (1-5cm) - fine to coarse cyclic grains dispersed throughout section	
30									
40									
50									
60									
70								clast @ 69cm, white-green granitoid? $\phi$ 0.6cm foram @ 68.3cm	
80									
90									
100					0				
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 41418 F 15R CC 0-100

Site: \_\_\_\_\_ Hole: \_\_\_\_\_ Core: \_\_\_\_\_ Section: \_\_\_\_\_ Top Depth: \_\_\_\_\_

Major Lithology: muddy diamic 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>diamic</u> <u>sed</u>		<u>N4</u>	<u>0</u>	<u>0</u>			<u>muddy drst. poor diamic</u> <u>- few fine to med sized grains</u> <u>- laminations (~4 cm)</u>	<u>JM 3.7.13</u>
10	<u>PAL</u>						<u>10-15</u>		
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 16R Section: 1A Top Depth: 0-148

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	none				0-148	MF 03/jul/13
10								* Mud with dispersed clasts	
20								* mostly laminated, but occasionally very thin beds	
30								↳ N4 with colour banding towards top 4m	
40								↳ mostly gradational, but occasionally sharp boundaries between colour laminae/beds	
50								* rel. few limestones (compared to overlying sections)	
60								↳ max 5mm large	
70								* occasional laminae / very thin beds with rel. many clasts	
80								↳ often associated with the more greyish beds, but not always	
90								↳ of more. coarse sand	
100								↳ relatively well-preserved lamination!	
110									
120								* very occasional occurrence of mud (sand clasts)	
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 F 16R 2A 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					0-145 ↓ Mud with dispersed clasts ↳ for details see section 1	PF 03/Jul/13
10									
20									
30									
40									
50									
60								54.5-56.0: granitic clast?	
70									
80									
90									
100									
110									
120									
130									
140									
150									



Expedition 341 S. Alaska Margin: U1418 F 16R 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:
0			N4					0-133	MF 03/Jul/13
10								* mud with dispersed clasts ↳ for details see section 1	
20								↳ decreasing lamination down-core (more difficult to distinguish)	
30								~35-4.5: pebble of greenstone	
40								28-31: sub-rounded pebble of basalt	
50			N4					* mud-sand-gravel patch ↳ ice rafted?	
60								~44.5-46.5 pebble of diorite	
70								~43-48: nanno-fossil bearing	
80									
90									
100									
110									
120									
130									
140							1W	133-150: Sample 1W	
150									

Expedition 341 S. Alaska Margin: U1418 F 16R 4 0-135  
 Site: Hole: Core: Section: Top Depth:

Major Lithology: mu-d 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 3.2.13
10								- mud with very few dispersed clasts	
20			N4					- fine to coarse calcic grains	
30								- some fine laminations (1-5cm)	
40								- slightly lighter @ bottom	
50								207-135 ← (but same)	
60									
70									
80									
90									
100									
110									
120							55 (127)	clay - no fossils	
130									
140							135 150	sample	
150									

Expedition 341 S. Alaska Margin: 41428 F 16R S 0-136  
 Site: Hole: Core: Section: Top Depth:

Major Lithology: hard 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 (clayey)		N3					hard like dispersed clasts	JM 5.7.13
10			N4 to		0			→ fine to med lithic grains	
20			10Y 4M		0			clast @ 71cm = black meta-sediment & granitoid	
30									
40									
50									
60									
70									
80					0				
90			N4						
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: W1418 F 16R 6 0-121c  
 Site: Hole: Core: Section: Top Depth:

Major Lithology: M-1 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								0-98c: clayey mud with calc. sand	JM 3.7.13
10			N4					brighter mud: calcareous bearing mud	
20			to		0				
30			to						
40			4(1)						
50									
60							SS (54)	→ calc. bearing mud (slightly brighter)	
70									
80									
90			N4						
100			to		0			98-121c: mud with dispersed clasts	
110			to					clast @ 101.5c = 0.2 grain (0.3c)	
120			4(1)					111-121c: many fine grains + 0.5c clasts (in mud)	
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1418

F

17R

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:
0			N4	moderate				0-150	MF 03/Jul/13
10								* Interbedded mud & diamict	
20								* Mud slightly colour banded ↳ between N4 and 10y 4/1	
30								* occasional limestones, e.g. pebble of weathered pebble ~ 75 cm	
40								* lamination, typically < 5 mm	
50								* some deformation structure, e.g. ~ 36 cm ↳ real or drilling disturbance	2
60								* occasional mud / sand clasts	
70								* diamict ↳ mostly sandy / very fine sand / mud	
80								↳ some clast up to 5 mm ↳ very rarely clast up to ~ 2 cm	
90								↳ mostly ~ 5 mm to 4 cm thick, occasionally less than 5 mm	
100								↳ very gradual upper & lower boundaries	
110								↳ diamict very often associated with dark grey intervals (i.e. darker parts of colour banding)	
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1418 F 17R 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:
0			Ny					0-150 * see section 1	MF 03/JUL/13
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

briccut & flow - in (aligned to moderate)



Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 17R Section: 3A Top Depth: 0-137

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					0-137. # see section 1	MF 03/Jul/11
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140								135-150: Sample 1W	
150									

Expedition 341 S. Alaska Margin:

Site: LN418 F Hole: 17R Core: 4 Section: 0-150cm  
 Top Depth:

Major Lithology: med

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								0-4cm - diastict - clast @ 6cm, $\phi$ 0.3cm color banded / laminated clayey med	JH 3.7.13
10			N4					( $\rightarrow$ 10Y 4/1 beds less clayey)	
20			10Y 4/1					- clast @ 26.5cm, $\phi$ 0.3cm	
30				0	0				
40								- clast @ 45cm, $\phi$ 0.2cm	
50								- clast @ 56cm, $\phi$ 1.2cm	
60								- laminations (0.1-0.5cm) & beds (~1cm) of N4 to 10Y 4/1 colored med	
70		color banded							
80	clayey med			0					
90									
100									
110					0				
120								clast @ 118cm, $\phi$ 0.2cm	
130									
140								clast @ 146cm, $\phi$ 0.3cm	
150									

Expedition 341 S. Alaska Margin:

Site: 41418 Hole: F Core: 17 R Section: 5 Top Depth: 0-150cm

Major Lithology: M-d

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>DM</u> <u>3.7.13</u>
10				0				clast @ 12.5 cm, $\phi$ 2 mm	
20			N4		0			→ color banded clayey mud with laminations (1-5 cm)	
30			to						
40			10.2						
45			4/2					clast @ 44.6 cm, $\phi$ 0.3 cm	
50		color banded							
60	clayey								
70				0					
80								clast @ 86 cm, $\phi$ 0.2 cm	
90					0				
100									
110									
120								clast @ 125 cm, $\phi$ 0.2 cm	
130				0					
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41418 F 17R Hole: 6 Section: 0-150cm Top Depth:

Major Lithology: *sd* 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								color banded, highly laminated clayey mud + thin beds	JM 3.7.73
10									
20					○			distinct layer (<1cm) @ 13cm, fine sand grains	
30			N4						
40			to					clast @ 39cm, φ 0.3cm	
50			10x 4/12						
60		color banding		○					
70								clast @ 68.5cm, φ 0.2cm	
80								laminar: 1-5cm beds up to 2cm thick	
90	clayey mud								
100									
110									
120					○				
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1417 Hole: F Core: 17R Section: CC Top Depth: 0-80

Major Lithology: M-d 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>M-d</u>	<u>0</u>	<u>N4</u>	<u>0</u>	<u>0</u>			<u>M-d</u>	<u>JM 3.7.13</u>
10	<u>PAL</u>						<u>S-14</u>		
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1418

F

18R

1A

415.20 m CSF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: Diatom Bearing 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: Childress	Date: July 3 2013
0						2mm				
10	mud		N4		slight	granules				
20										
30										
40	diatom bearing mud			B I S C U T (mod. to high)		43		pyritized burrows @ 42.5, 49.		
50						granules				
60					mod.					
70										
80										
90										
100								scot - diatom bearing mud		
106.5						102				
110	mud				slight	granules present				
120										
130										
140										
150										



Expedition 341 S. Alaska Margin: 11418 F 18R 2A 416.70m 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:
									Childress	July 3 2013
0			5G 411		none	granule				
10	mud						556	mud, no bis		
20										
30										
40	mud		N4		slight	few granules				
50										
60										
70										
80										
90	diatom bead mud				slight to mod.	heavy spores				
100										
110	mud									
120								120cm mud clast		
130										
140	IW						IW			
150										

Expedition 341 S. Alaska Margin:

U14(B)

F

18R

3A

418.20 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:	Date:
									Childress	July 3 2013
0						>2mm ↓				
10										
20										
24										
30	mud		N4		none	absent				
34										
40	mud w/ common clasts					granules				
50										
51										
56										
60	mud		5G 4/1		slight					
70						absent				
79.5										
80										
85										
90		PARALLEL LAM.	N4		none		S385	muddy, no bro		
100										
110	mud									
120										
130										
131										
132										
136										
140	mud w/ abundant clasts					granule				
140	mud									
150										

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: BR Section: 4A Top Depth: 0-150

Major Lithology: mud w. common clasts Minor Lithology: mud w. dispersed clasts

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								HB, 07-03-13
6	coarse							IRD layer, coarse sand + granules	
10	fine		NY					finer, dark grey (NY) to grey (NS)	
20	dispersed clast								
30									
40									
50	mud with coarse clasts	5gr 4/1		↑			550	mud, no bio fairly laminated 5gr 4/1 (dark grey) some colour banding	
60									
70									
80									
90									
100									
110									
116	coarse						515	mud, no bio IRD layer } coarse sand + granules	
120									
127	coarse							IRD layer }	
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U118 Hole: 9 Core: 188 Section: 5A Top Depth: 0-150

Major Lithology: mud w. dispersed clasts Minor Lithology: mud w. common clasts

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					laminated N4 > N5	AB, 07-03-13
10	mud w. disp. clasts								
20	mud								
30	mud w. common clasts		N4			○		laminated N4 > N5	
40						○		mud clast 4cm long axis, with coarse sand + granules	
50									
60	mud w. disp. clasts		N4					laminated N4 > N5	
70									
80									
90									
97								100 layers, coarse sand, granules	
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: 7 Core: BR Section: 6A Top Depth: 0-129

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									Logged by: <u>AB</u> Date: <u>07-03-13</u>
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 111115 Hole: F Core: 18R Section: CG Top Depth: 0-16

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		Core desk				HB, 07-03-13
10	PAL								
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									



Expedition 341 S. Alaska Margin: U1418 F 19R 1A 424.90m 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: July 3 2013
0				8 C.C.S. K.N.N. V.V.		2-8cm: 5cm ~ clast (siltsand)		} 0-8: D.D. = destroyed		
10	mud		5G4/1		mod.				- 1-2mm voids (gas bubbles?)	
20										
30										
31										
32										
33										
34										
35										
36										
37										
38										
39										
40										
41										
42										
43										
44										
45										
46										
47										
48										
49										
50										
51										
52										
53										
54										
55										
56										
57										
58										
59										
60										
61										
62										
63										
64										
65										
66										
67										
68										
69										
70	mud		N4							
71										
72										
73										
74										
75										
76										
77										
78										
79										
80										
81										
82										
83										
84										
85										
86										
87										
88										
89										
90										
91										
92										
93										
94										
95										
96										
97										
98										
99										
100										
101										
102										
103										
104										
105										
106										
107										
108										
109										
110										
111										
112										
113										
114										
115										
116										
117										
118										
119										
120										
121										
122										
123										
124										
125										
126										
127										
128										
129										
130										
131										
132										
133										
134										
135										
136										
137										
138										
139	mud									
140										
141										
142										
143										
144										
145										
146										
147										
148										
149										
150	198.5 sand		N6		mod.		SS140	sand, med to coarse grain (w/ clay) w/ black <del>sp</del> grains (siltsand)		

Expedition 341 S. Alaska Margin: U1418 F 19R 2A 426.40 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: Childress	Date: July 3 2013
0						>2mm ↓		0.5cm		
10	mud	COLOR BANDS	N4		slight			greenish gray color bands (~1-2cm)		
30	gnd									
40										
50								45-52cm: field of .1mm pyrite pieces (burrows?)		
60	mud		N4		none					
90										
100		PARALLEL						→ w/ color bands		
140										
150										

Expedition 341 S. Alaska Margin: U14B F 19R 3A 427.90m 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:
									Childress	July 3 2013
0						absent				
10		PARALLEL LAM.								
20										
30										
40	mud		N4	BISCUIT (mud)	slight					
50								*heavy D.D. (bisc. + gas) 36-47cm = decreased ability to describe - might have been lam.		
60										
70				+ GAS EXP. (slight to mod.)						
80										
90										
100		PARALLEL LAM.								
110								+ color banding		
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: *M05* Hole: *9* Core: *MR* Section: *42* Top Depth: *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	<i>mud</i>		<i>N4</i>			<i>present</i>			<i>AB, 07-03-13</i>
65					<i>mud.</i>			<i>partially (low) sorted dark grey (NS) mud (NS)</i>	
10									
20								<i>colour banded N4 and NS</i>	
30								<i>laminated and sanding in unusual relationships</i>	
40								<i>at silt layers, 1 grain diameters in thickness</i>	
50		<i>parallel lamination</i>		<i>vertical mud string</i>				<i>common according to bioturbation into thickness of 1000 years → a silt laminar of 1 grain size diameter could represent a sec = 1000 years</i>	
60								<i>granule, rounded, basalt</i>	
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: 7 Core: 19R Section: SA 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>					<u>pelecyp</u>			<u>AB, 07-03-13</u>
10								<u>parallel laminated dark grey - bl with grey MS</u>	
20			<u>M</u>					<u>colour banded M and MS</u>	
30		<u>parallel lamination</u>						<u>lamination + lenticles inverted</u>	
40									
50	<u>o</u>					<u>o</u>		<u>granule, siltstone,</u>	
60									
70									
80									
90									
100									
110									
120									
130									
140	<u>M</u>								
150									

Expedition 341 S. Alaska Margin:

Site: 11142 Hole: 7 Core: 19R Section: 6A Top Depth: 0-150

Major Lithology: mud Minor Lithology: mud w/ coarse, dispersed carb

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>								#18, 07-03-13
10	<u>mud w/ disp. clasts</u>		<u>N4</u>					<u>down banding N4 w/ls</u> <u>50% H<sub>2</sub>O (d.s. banding)</u>	
20								<u>** at 43 cm of 200µm</u> <u>clasts were a sand</u>	
30					<u>strong</u>				
40					<u>strong</u>			<u>(sharp contact)</u>	
44	<u>mud w/ clasts</u>							<u>siltstone (angular, sub-</u>	
50	<u>mud w/ clasts</u>		<u>50% H<sub>2</sub>O</u>		<u>mud</u>			<u>? 5 cm</u> <u>glauconitic mud, w/ bio</u> <u>frustuloid</u>	
60									
70	<u>mud</u>		<u>N4</u>					<u>horizontal and color</u> <u>banded</u>	
80									
90									
100									
110									
120									
130									
140									
150									

11142-5N-2597  
 original color  
 core 11142-5N-2597



Expedition 341 S. Alaska Margin:

Site: 111413 Hole: F 192 Core: 7A Section: 0-67 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		lt						AB, 07-03-13
10								parallel laminated + color washed etc.	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U415 Hole: 7 Core: AR Section: cc Top Depth: 0-22

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>							<u>Coarse sand + coarse sanded</u>	<u>AB, 07-03-13</u>
10									
20	<u>RAZ</u>								
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U41B F 20R 1A 434.60m CSF-A  
 Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology: calcareous bearing 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: Childress	Date: July 3 2013
0						> 2mm ↓				
10	mud		N4		none					
14										
20	calcareous b. mud w/ common clasts		N4 (almost 50%)		slight to mod.	19 21 + common granules		SS17 - calcareous bearing mud		
29	bioturb/grad.									
30										
40	mud	PARALLEL L.A.M.	N4		non			- faint greenish gray color bands.		
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U418 F 20R 2A 436.10m 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: July 3 2013
0						72mm ↓				
10	mud	PAR. L.A.M.			none	absent				
16	bio. grad.									
20										
30		COLONN. BANDS				27		greenish gray color bands (1-4cm thick)		
40	mud		N4		heavy					
50					BISCUIT (slight to mod.)					
60						56		argillite (~1cm)		
70	o.o. o.o.		56 4/1			72 + common 'grah'		→ granite clast (<1cm)		
80	mud w/ common clasts				slight			82-83: pyritized burrows		
90	grad.									
100	mud	PAR. L.A.M.	N4							
110						absent				
120										
130										
140	IW						IW			
150										

Expedition 341 S. Alaska Margin: U1418 F 20R 3A 437.60m 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:
									Childress	July 3 2013
0										
10										
20										
30										
40	mud	PARALLEL	N4	BISCUIT (slight to weak)	none	absent				
50										
60										
70										
80										
90				SE AX SP				to smect.		
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1418 F 20R 4A 439.10m 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: July 3 2013
0										
10		PARALLEL LAM.								
20			N4							
30										
40				BIOGEOIT (mod.)		absent				
50										
60										
70	mud									
80										
90					none					
100										
110										
120	118 mud w/ common clasts	↓ ↓	56 4/1							
130			N4		mod.		SS128	mud, no bio.		pyritized burrows?
140	mud w/ common clasts		56 4/1				SS140	mud, no bio.		
150			N4		mod.					



Expedition 341 S. Alaska Margin:

Site: 11418 Hole: F Core: 20R Section: 5A 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	mud		N4		bioturb.		sh	mud, sharp contact	AB, 07-03-13
8									
10	mud								
20	mud with disp. clasts		N4					60-80 cm N4 (dark grey) to N3 (very dark grey)	
30									
36.5	000000	parallel laminae						granules, lamination	
40									
50									
60									
70	mud		N4		bioturb. N4			sharp contact	
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: MUS Hole: 7 Core: 20R Section: 6A Top Depth: 0-100

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>		<u>N4</u>						<u>18, 07-03-13</u>
10									
20									
30									
40									
50									
60									
70	<u>mud with silt</u>	<u>parallel laminae</u>	<u>N4</u>	<u>bioturb. tubes, rock mud, flow-lin</u>					
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 11418 Hole: F Core: 20R Section: 7A Top Depth: 0-69

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		sg/wh						HB, 07-03-13
10				disturb			sb mud		
20	mud		ng					gradational	
30		parallel lamination							
40				biscuit mud					
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 20R Section: CC Top Depth: 0-30

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>	<u>Parallel lam.</u>	<u>Ng</u>	<u>bioturb. mud.</u>					<u>AB, 07-03-13</u>
10									
20									
30	<u>RAK</u>								
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 F 21R 1A 444.30m 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:	Date:
									Childress	July 3 2013
0										
10										
20	mud	PARALLEL LAM.	N4							
30				BISCUIT	slight	absent				
40										
50	mud w/ common clasts			slight to mod.		>2mm	SS49	mud, no bip.		
60					mod.			increased clasts @ top of interval		
70						67				
80										
90	mud	PARALLEL LAM.			none		84			
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1418 F 21R 2A 445.80m 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: July 3 2013
0										
10										
20										
30										
40	Mud		N4							
50		PARALLEL LAM.		BISCUIT (slight to mod.) @ 150	slight	absent		- color banded laminae (greenish gray)		
60										
70								67cm - pyritized burrow		
80										
90										
100										
110										
120										
130				SOUP + GAS (slight to mod.)						
140										
150										



Expedition 341 S. Alaska Margin: U1418 F 21R 3A 447.30 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: Childress	Date: July 3 2013
0										
10				↑ GAS EXP (mod.)						
20	mud	PARALLEL L.A.M.	N4	↓	none	absent				
30				B-I-S-C-U-I-T						
40	<sup>38</sup> mud w/ dispersed clasts			(slight to mod.) ↓	mod.			increased clasts @ top of interval		
50										
60						present				
70										
80						>2mm ↓				
90	mud	PARALLEL L.A.M.								
100						78				
110										
120										
130										
140	QJM						QJM			
150										

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 21R Section: 4A Top Depth: 448.80m CSF-A

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:
									Childress	July 3 2013
0										
10										
20										
27-40								→ GAS Exp. (slight to mod): 27-40cm, 86-98, 142-150cm		
30										
40	mud	PARALLEL LAM.	N4	BIOSCUIT (mod. to high)	none					
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: U48 Hole: 9 Core: 21R Section: 5A 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>	<u>Parallel laminations</u>				<u>coarse</u>			<u>HB, 07-03-13</u>
10			<u>N61</u>						
20									
30									
39	<u>o</u>							<u>elongate clast, plentic, 1 to 3 cm</u>	
40	<u>mud w. common clasts</u>		<u>N41</u>		<u>high</u>	<u>o</u>		<u>sharp contact</u>	
50	<u>o o o o</u>					<u>massive 2 o o o</u>		<u>sharp contact</u>	
52								<u>granule lamina (RD)</u>	
54	<u>traced</u>	<u>↑</u>		<u>boisemais, mod.</u>					
60									
70									
80		<u>Parallel laminations</u>							
90									
100									
110									
120									
130									
140									
145	<u>N</u>								
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: 9 Core: 21R Section: 6A 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									
10	<u>mud with vlt</u>		<u>N4</u>						
20									
30									
40									
50	<u>mud w. sponges clasts</u>		<u>SS/4/1</u>				<u>SS46</u>	<u>gradational - lithologically sharp colour contact</u>	
60				<u>bioturb; mud.</u>	<u>mud.</u>				
70	<u>mud</u>		<u>N4</u>						
80									
90		<u>parallel laminated</u>							
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U418 Hole: 9 Core: 21R Section: 7A Top Depth: 0-59

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>	<u>parallel laminated</u>	<u>N4</u>	<u>consists mud to 60</u>					<u>AB, 07-03-13</u>
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: UMR Hole: 9 Core: 218 Section: CC Top Depth: 0-19

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>		<u>lt</u>	<u>dist</u>					<u>48, 07-23-13</u>
10	<u>ms</u>								
20	<u>ms</u>								
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									



Expedition 341 S. Alaska Margin:

V1418

F

22R

1A

454.00 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: Childress	Date: July 3 2013
0				GAS + BISCO. IT (slight to mod.)						
10										
20		PARALLEL L.A.M.	N4							
30	mud									
40										
50					none					
60										
70										
80										
90										
100					mod.					
110								SS105 - mud, no bio.		
120										
130		bed good								
140		COBBLE BAND			slight					
150										

Expedition 341 S. Alaska Margin:

U41B

F

22R

2A

455.50m 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									Childress July 3 2013
10									
20								greenish gray color bands (~1-3cm thick)	
30	mud	color bands	N4						
40				BISCUIT (high) (0-150)	slight				
50									
60				+ GAS Exp. (slight)					
70				↓					
80								absent	
90									
100									
110									
120	118 mud w/ common clasts		56 4/1		mod.	32mm 121			
130			N4			128(3x)			
140	grad. mud		N4		none	138		absent	
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:
									Childress	July 3 2013
0	mud		N4		none	absent				
10	bioturb. mud w/ common clasts		56 4/1							
20		T. LOCO W. ZAW			mod.			increased clast abundance @ top of interval		
30								greenish gray color bands (1-2 cm thick)		
40			N4	B-S-C-U-T (mod.) (0-150)		present (granules)				
50										
60										
70										
79	grad. mud w/ common clasts		56 4/1		mod	22mm 80		SS69 - mud, no bio		
90			N4							
100	grad. silty mud w/ common clasts		56 4/1		mod.	100		SS104 - silty mud	103cm: pyritized burrows	
110			N4							
120	sandy mud w/ common clasts		N4		slight	present				
122			56 4/1		slight	127				
130	mud		56 4/1		slight					
137										
140	IW						IW			
150										

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: # Core: 20R Section: 4A 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									AB, 07-03-13
10	mud w/ clasts		M4						
20									
30									
33									
40									
50									
53									
60		parallel laminae						bursoids with pyrite	
70									
80									
90								sharp contact	
90.5									
100			M4					fine sandclasts? * mud with coarse clasts	
100								gradational contact	
110									
120								coarse sand + granite lamina	
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: UM8 Hole: 9 Core: 22R Section: SA 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 w. coar. clasts</u>		<u>Nh</u>	<u>bad</u>					<u>LB, 07-03-13</u>
10									
20	<u>mud w. d. clasts</u>		<u>Ny</u>		<u>slight</u>			<u>"fossil" sandclast? sharp contact</u>	
30									
40									
50									
60									
70									
80									
90									
100									
110		<u>parallel laminated</u>			<u>slit</u>			<u>curved, parallel</u>	
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 1141E Hole: 9 Core: 22E Section: A1 Top Depth: 0-98

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>								<u>HE, 07-03-13</u>
10	<u>w.d. clasts</u>		<u>N4</u>						
20									
30									
40		<u>parallel laminae</u>							
50									
60									
70				<u>bioturb. mud</u>					
80									
90									
100									
110									
120									
130									
140									
150									



Expedition 341 S. Alaska Margin:

Site: 111418 Hole: G Core: 22R Section: CC Top Depth: 0-25

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								HB, 07-02-13
10	w.d. clasts		NH	biscuit mud					
20	PAL								
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 F 23R 1A 463.70m 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: July 3 2013
0						2mm		0-3cm: 3 siltstones (1-2.5cm)		
10										
20										
30										
40										
45						39		5mm granite clast		
50	mud	PARALLEL	N4	B.T.S.U.I.T (mod)	none					
60										
68										
70	calc. b. mud							SS72 - calcareous bearing mud		
75										
80										
90										
100										
110										
112						112				
113						113				
120	mud w/ dispersed clasts					granules				
130										
140										
150										

Expedition 341 S. Alaska Margin:

U1418 Site: F Hole: 23R Core: 2A Section: 465.20m 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:
									Childress	July 3 2013
0	mud w dispersed clasts		N4							
10										
13										
20		PARACCEL		BISCUIT (mod. to high)						
30		L.A.M.								
40										
50										
60	mud									
70										
80										
90										
100										
110				GAS EXP. (mod. to high)				113cm: pyritized material (burrows?)		
120										
130										
138						37.0 > 2mm				
140	IW						IW			
150										

Expedition 341 S. Alaska Margin:

Site: U418 Hole: ♀ Core: 23R Section: 3A 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	mud								AB, 07-03-13
10	mud w. disp clasts	↑	N4					color banding N4-N5	
20		parallel laminae							
30									
40									
50									
60									
70									
80									
85								Sandstone clast 8cm	
90								lentic	
100	mud w. disp clasts		N4					abundance of clasts	
110									
112	mud								
120		parallel laminae	N4						
124									
130	mud w. calc. high clasts		N4					abundance of clasts	
140									
150				clasts					

Expedition 341 S. Alaska Margin:

Site: 11418 Hole: F Core: 23R Section: 1A Top Depth: 0-100

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 mud							pebbles, lamination, matrix sand	AB, 07-03-13
10	w silt	↑	N4						
20									
30									
40									
50									
60		parallel laminae		in situ mud			366	silty mud	
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 23R Section: 5A Top Depth: 0e60

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, 07-03-13
10	mud		N4	poorly sorted mud					
20									
30									
40									
50	mud w/ clasts		N3	Amalgam				upward migration of clasts	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									



Expedition 341 S. Alaska Margin:

Site: U1418 Hole: 9 Core: 23D Section: CC Top Depth: 0-28

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>		<u>M</u>	<u>bioturb. high</u>					<u>HB, 07-03-13</u>
10									
20									
23	<u>PAL</u>								
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 F 24R 1A 473.40m 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:	Date:
									Childress	July 3 2013
0	mud w/ common clasts		N4		slight	> 2mm procat (gran.)				
10	mud w/ common clasts					12 (sp)		→ increased abundance of clasts @ top of interval		
20	mud w/ common clasts				mod.	175				
30	grad.									
40		PARALLEL								
50					BIT S E U T (slight to mod.)	none				w/ greenish gray color bands
60	mud					SPILLS				
80					slight					
140	SCRE						SCRE			
150										

Expedition 341 S. Alaska Margin:

U1418 F 24R 2A 474.90m 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									Childress July 3 2013
10									
20								22.5-pyritized burrow	
30									
40	mud	PARALAMELL	N4	BISCUIT (slight to mod)	none	absent			
50								51.5-pyritized burrow	
60								66-pyritized material (burrow?)	
70									
80			56 4/1		heavy		5874	mud, no bio	
90							76		
100	mud w/ abundant clasts						88		
110							97		
120					slight		109		
130			N4				112		
140	IW						116		
150									

Expedition 341 S. Alaska Margin:

Site: 01418 Hole: F Core: ER Section: 31 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	mud								HB, 07-03-13
10			M4						
20									
30									
35								sharp contact	
36									
40								2-2 laminae coarse sand + granules	
41			M4					under cover clasts	
50								gradational	
60									
70			M4						
80									
90									
100									
107								sharp contact	
110	mud with common clasts		M4						
120									
123								fine sand	
130								mud, no bio	
140									
150									

Expedition 341 S. Alaska Margin:

Site: 1145 Hole: 4 Core: 24R Section: 4A Top Depth: 0-125

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>	<u>parallel laminae</u>	<u>Nh</u>						<u>13,07-03-13</u>
10	<u>well disp. clast</u>							<u>well 50/40 colour bands</u>	
20									
30									
40									
47	<u>*</u>		<u>50/40</u>	<u>discont, shift to mud</u>				<u>gradational colour banded</u>	
56	<u>*</u>		<u>50/40</u>	<u>discont, shift to mud</u>				<u>* mud with common clasts</u>	
60	<u>mud with silt</u>		<u>50/40</u>	<u>discont, shift to mud</u>				<u>gradational parallel laminae</u>	
70				<u>50/40 mud</u>				<u>Nh → 50/40</u>	
80									
90								<u>with layer of all grains, 1 grain - channel bed</u>	
100									
110									
118	<u>mud</u>		<u>Nh</u>	<u>slimy</u>					
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 11418 Hole: F Core: 21R Section: CC Top Depth: 0-16

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	<u>white</u>		<u>W4</u>						<u>AB, 07-03-13</u>
10	<u>PAL</u>								
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									



Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 25R Section: 1A 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			grey 4/1	massive mud 1/4 ft				0-150	MF 04/JUL/13
10								* Mud with dispersed clasts	
20								* colour banding between dark greenish grey & dark grey	
30								* lamination down to sub-mm (varying intensity), e.g. absent between ~ 36-61	
40								* some inclined bioclasts (see section 2)	
50								→ sedimentary & volcanic rocks	
60								* low levels of mat. 2 cm	
70								* mud/sand clasts < 5mm	
80								* intervals with higher sand/gravel content varying from sub-mm size (e.g. ~ 1/2 cm) to ~ 25 cm (e.g. 36-61 cm)	
90								↳ generally gradational boundaries, but occasionally sharp upper boundaries, e.g. top of most sandy intervals in section 2	
100								~ 1 cm & 3.3 cm	
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 25R Section: 2A 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			10y4/1					0-150 * see section 1	MF 04/Jul/13
10									
20								↳ some bivalves "tilted against each other", e.g. ~55-75cm	
30									
40								55 -	
50								60 -	
60								65 -	
70								70 -	
80								75 -	
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1418 F 25R 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:
0			10Y4/1					0-150 ↳ see sections 1 & 2	MF 04/JUL/13
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140		disturbed							
150									

Expedition 341 S. Alaska Margin:

Site: 41418 F Hole: 25R Core: 4 Section: 0-150cm Top Depth:

Major Lithology: Mud, Diatom

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								- color banded mud with dispersed clasts	JM 4.7.13
10					○			- fine laminations (~1cm) occur	
20			10Y 4/1					- nice color variations (dark greenish gray to green, brown)	
30									
40								- some diatom beds: fine to coarse grained sands & gravel	
50		color banding						→ gradational sandstones (1-5cm thick)	
60									
70			10Y 4/1		○				
80									
90									
100									
110									
120								MB-150cm: nice laminations 1cm - 5cm	
130					○				
140									
150									



Expedition 341 S. Alaska Margin:

40418

F

25R

5

0-135cm

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 4.7.13
10			10Y 4/1		0			Throughout section: nice laminations (1-5 cm thick) - color changes (14, 10Y 4/1, 5GY 3/1)	
20				fractured				22-34cm: moderate to high fractures (cracks)	
30									
40								- few siltstone layers (var 1cm) with fine to coarse grains	
50								2 mud with dispersed clasts	
60		color banding			0				
70									
80									
90			10Y 4/1						
100									
110					0				
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 25R Section: 6 Top Depth: 0-150cm

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								color banded mud with dispersed clasts	JM 4.7.13
10	clayey mud							→ clasts = mainly medium-sized grains of metasediment (black silstone?)	
20					○				
30			10Y 4/1					- laminations (1-4cm) - few distinct layers (~1cm thick) with fine sand-sized grains	
40		slight color banding							
50									
60									
70	clayey mud				○				
80									
90									
100			10Y 4/1						
110									
120									
130	clayey mud				○				
140									
150									



Expedition 341 S. Alaska Margin:

Site: G1418 Hole: F Core: 25R Section: 7 Top Depth: 0-53cm

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 4/7/13
10	clayey mud	color banding	loose		0			clayey mud with <sup>few</sup> dispersed clasts clasts: ~ Ac to medium grains gz, lithics	
20			to					- fine laminations (3cm) occur	
30			N4						
40					0				
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: L1418 Hole: F Core: 25R Section: CC Top Depth: 0-950

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	clayey mud	Color banding	10Y 4/2	bioclasts	○			mud with dispersed clasts = fine sized lithic grains	JM 4/9/13
10			10Y 4/2						
20	PAL		10Y 4/2						
30									
40									
50								↓ abundance of laminae & clasts decreases through the core (with depth)	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1418 F Hole: 26R Core: 1A Top Depth: 0-100

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			10Y 4/1	in mass high				0-135	IF 04/jul/13
10								* mud with dispersed clasts	
20								* colour banding between dark greenish grey & dark grey	
30								* lamination down to sub-mm (varying continuity)	
40								* some inclined biocasts	
50								* very few limestones (< 2 cm)	
60								↳ greenstone; weathered basal(?)	
70								* relatively few intervals with higher sand/gravel content ranging from mm (e.g. 74.5, section 2) to > 1.5 cm (below ~120 cm in section 1)	
80								↳ generally gradational boundaries, but occasionally sharp upper boundaries, e.g. ~25.5 in section 2	
90								↳ coarse intervals generally associated with more greyish matrix rather than more greenish	
100								* occasional mud clast (< 5 mm), e.g. 76.5 cm	Section 2
110								VERY FEW CLASTS ABOVE ~121	
120									
130									
140							1W	135-150: Sample 1W	
150									

Expedition 341 S. Alaska Margin:

U1418 F 26R 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:
0			10y 4/1					0-150 * see section 1	RF 04/jul/13
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 2GR Section: 3A Top Depth: 0-147

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			10y911					0-147	MF 09/20/13
10								* see section 1	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1418  
Site:

F  
Hole:

26R  
Core:

CC  
Section:

0-11  
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									
10	PAL		log left	1 biscuit mod. heavy			PAL	0-6 mud with dispersed clasts	MF 04/jul 113
20									
30								b-m: sample PAL	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									



Expedition 341 S. Alaska Margin:

Site: U1418

Hole: F

Core: 27R

Section: 1A

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				minor + full mod-high				0-135	MF 04/jul/13
10								* Mud with dispersed clasts	
20								* color banding between dark greenish grey & dark grey (10y 4/1) (M4)	
30		mod patch						* laminae down to sub-mm (varying intensity)	
40								* very few limestones	
50								* intervals with higher sand/gravel contents ranging from sub-mm (e.g. ~68 cm, section 1) to ~3 cm (0-3 cm, section 2)	
60								↳ generally gradational boundaries, but occasionally sharp upper (& very occasionally sharp lower) boundaries (e.g. 74-75 cm, section 2)	
70								↳ waves intervals more often associated with more greyish matrix rather than with more greenish	
80								* Two sub-rounded clasts d ~ 8 cm	
90								1) sect. 1, ~1-7, fine sandstone	
100								2) sect. 2, ~51-58, medium sandstone	
110									
120									
130									
140							SAFF	135-150: Sample SAFF	
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 27R Section: 2A 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			gray					0-135	JF 04/jul/13
10								↳ see Section 1	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140								135-150: Sample 1W	
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 27R Section: 3A 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			<u>gray</u>					<u>0-135</u> <u>to see section 1</u>	<u>VF 09/26/13</u>
10									
20									
30									
40									
50									
60									
70					<u>None</u>				
80									
90									
100									
110									
120									
130									
140								<u>071M 135-150. Sample 071M</u>	
150									

Expedition 341 S. Alaska Margin:

Site: 41418 F Hole: ZTR Core: 4 Section: 0-151cm  
 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								laminated mud with dispersed clasts	JM 4.7.13
10									
20			10Y 4/1		0			laminae: 1-5mm → color variations from 10Y 4/1 to 5GY 3/1 to 5Y 3/2	
30			to						
40		slight color banding	2Y					clasts: fine to coarse grained lithic & gravel (black metabasalt, greenstone, granitoids; up to 1.5 cm)	
50			5Y 3/1	slight siderite					
60					0			fine distinct layers with very gradual boundaries (~0.5-2 cm thick)	
70									
80									
90			10Y 4/1						
100									
110									
120									
130					0				
140			5Y 3/1		moderate			140-150cm: 5Y 3/1, siderite bed	
150								soft	

Expedition 341 S. Alaska Margin:

Site: 41418 Hole: F Core: 27R Section: 5 Top Depth: 0-170cm

Major Lithology: M-d 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								med with dispersed clasts ( <u>no laminations!</u> )	JM 4.7.13
10			5Y 3/1		↓				
20				slight siccite & cracks	moderate to high		SS (10)	clasts: fine to coarse grained lithics, gravel up to 0.8cm, shales with radicle	
30									
40		0						bioturbation is significant → destroyed laminations?!	
50									
60								<u>!with biosiliceous!</u>	
70			5Y 3/1					pegmatized clasts @ 73cm & 77.5cm	
80									
90									
100									
110			10Y 3/1						
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 28R Section: 1A 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			10y 4/1	mod-high				0-150	RF 04/jul/13
10								* Mud with dispersed clasts	
20				mod. high (84-10 cm)				* color banding between 10y 4/1, 5y 4/1 & 10y 3/1	
30								* intervals with higher sand/gravel content ranging from ~1 mm (e.g. sect. 2, ~19.5 cm) to ~13 cm (e.g. sect. 1, ~66-79 cm)	
40								↳ generally gradational boundaries	
50								* some lamination (much less than in overlying core), e.g. upper part of section 2	
60								↳ small, laminae: sub-mm	
70									
80								84-90: rel. high silt content	
90									
100									
110									
120								~125: epidote/chlorite with clast <sup>2</sup>	
130									
140									
150									



Expedition 341 S. Alaska Margin: U1418 F 28R 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:
0			10y 4H					0-150 ↳ as section 1	MF 04/jul/13
10									
20		←						~23.5 → irregular, sharp boundary ↳ bioturbation or mass wasting?	
30		←						31-32: fining upward silt with sharp lower boundary	
40									
50									
60									
70									
80									
90									
100		←						~101: irregular boundary between two colors	
110									
120								~123: pebble of claystone(?)	
130									
140									
150									

▽  
e  
▽  
o

Expedition 341 S. Alaska Margin: U1418 F 28R 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:
0			10y 4/1					0-23	YF 04/jul/13
10					slight			* see section 1	
20		↑						* lower boundary defined by colour change	
30								23-135:	
40								* Med; massive	
50								* very few clasts: < 3mm	
60								* 45-47: two fragments of shells(?)	
70								* scattered medium to fine sand grain.	
80					moderate				
90									
100									
110									
120									
130									
140							1W	135-150: Sample 1W	
150									

Expedition 341 S. Alaska Margin:

Site: 41418 Hole: F Core: ZPR Section: 4 Top Depth: 0-150cm

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: Date:
0									JM 4/7/13
0-30	fine to medium sand (quartz, bioturb. or very fine grained lithics)		10Y 4/1		slight			gradational lower boundary into mud	
30-150	mud		10Y 4/1	bioturb. (slight dol)	moderate		SS (73)	biogenic sandy mud with volc. ash	
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 28R Section: 5 Top Depth: 0-150cm

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									JM 4-7-13
10								0-60cm: mud with slight dark greenish to very dark green with gray mottles (→ bioturbation - wave sensors)	
20			10Y 4/1	bioturb. (slight)	moderate/slight				
30									
40									
50								46-51cm: cracked (moderate to high)	
60							SS (53)	<u>mud</u>	
70								62-69cm: cracked (moderate)	
80								60-150cm: mud with some silty layers (~1-3cm) → silty intervals (wave disturbed) → la-? - a-b-?	
90			10Y 4/1	bioturb.	slight				
100									
110								flow @ 100cm	
120									
130								flow @ 128cm	
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 28R Section: 6 Top Depth: 0-83cm

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								0-83cm - just mud (looks massive)	JM 4.7.13
10									
20			10% 3/12						
30	dark mud			biscuit (slight to moderate)	low to slight				
40									
50									
60								62-83cm: siltier mud	
70									
80							SS (90)	mud	
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1418 F Hole: 29R Core: 1A 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	Mud		10Y 4/1	mouse high				0-150:	HF 04/Jul/13
10								* brackish-bearing mud with ash	
20								* slight colour variations to more greyish/greenish/brownish	
30								* one small pebble	
40								↳ web piece coated with mica or pyrite?	
50								* very few scattered sand grains	
60								↳ but occasional intervals with higher numbers of sand grains, e.g. sect 3, ~64-66 cm	
70								↳ not sure if the grains are ice rafted or not; could also be reworked	
80								* occasional occurrence of ash patches, e.g. Sect 2, 19 cm, 88 cm, sect 3, ~38 cm (?)	
90								* rel. many small, relatively round holes, mostly < 2 mm	
100								↳ bioturbation or decaying structures?	
110									
120									
130									
140									
150									



Expedition 341 S. Alaska Margin:

Site: U1418 F Hole: 29R Core: 2A 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	Mud		10Y4/1					0-150 # see section 1	VF 04/Jul/13
10									
20			Ash? 10Y5/1						
30									
40									
50									
60									
70									
80									
90			Ash? 10Y5/1		heavy				
100									
110									
120									
130								~126: pyritized burrow?	
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 29R Section: 3A 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	<i>Unit</i>		<i>10y 4/11</i>					<i>0-150</i>	<i>RF 04/jul/13</i>
10				<i>bricced &amp; fall-in (col. yft)</i>				<i>&amp; see section 1</i>	
20									
30									
35			<i>As<sub>2</sub> particles?</i>						
40									
50								<i>moundlike (heavy)</i>	
55								<i>↳ silty interval</i>	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 61418 Hole: F Core: 29 R Section: 4 Top Depth: 0-135cm

Major Lithology: med 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 void	JM 4.7.13
10								0-10 cm: bioturbated med (brownish) mud → brighter greenish gray med @ bottom	
20			10Y 4/1		high to moderate			→ few mm-holes (burrows, etc. filled?) throughout upper & middle part of section	
30			to 5.6Y 3/1 (bedst)						
40									
50								44-45 cm: bioturbated light brownish lenses (5Y 5/1) = <u>act</u>	
60									
70									
80							SS (90)	<u>calc. sandy</u> med with <u>siliceous</u> ↓ sponges	
90									
100									
110									
120			10Y 4/1 to 10Y 4/1		slight			clast @ 114 cm, $\phi$ 0.3 cm, black calcareous	
130			to 10Y 4/1					clast @ 121 cm, $\phi$ 0.3 cm, quartz	
140	IW		10Y 3/1				135-150		
150									

Expedition 341 S. Alaska Margin:

Site: LINK 18 Hole: F Core: 29R Section: 5 Top Depth: 0-150cm

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								0-50cm: massive mud	JM 4.7.13
10			10Y 3/2	very slight bioturb.	slight				
20									
30									
40									
50								50-150cm: higher silt content	
60							SS (65)	mud with siltstone (spicules)	
70			10Y 4/1						
80					moderate			78-83cm: graded interval (moderate)	
90									
100									
110									
120									
130								dark gray/black bioturbation burrows	
140					high			137cm: silt lens, bioturbated volc. ash (angular) 5Y 5/1	
150									

Expedition 341 S. Alaska Margin:

Site: W418 Hole: F Core: 29 R Section: 6 Top Depth: 0-132

Major Lithology: red

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 4.7.13
10					high			moderate to high drilling disturbance	
20									
30								fractures throughout → gas expansion cracks	
40	clayey red		10Y 4/1						
50			to N4						
60				moderate disturbance	moderate to high				
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41418 F Hole: 29R Core: CC Section: 0-17c  
 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	clayey mud		M4 R3 N3		○			very clayey mud 7-8 cm crack (logs/destroyed)	JM 4.7.13
20	<u>PAL</u>						17- 22		
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									



Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 30R Section: 1A 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			10y 4M	mouse high				0-109	RF 04/Jun/13
10								* laminated mud with colour-banding toward more greyish/brownish	
20								↳ lamination down to sub-mm	
30								↳ very occasional beds up to 2cm	
40								* slight bioturbation some < 2cm	
50								thick intervals are moderately bioturbated	
60								* occasional silty/sandy clasts, e.g. 23-24, 26-27	
70								* very few granule concretions	
80								gradational to sharp boundaries frequently bioturbated	
90								109-150	
100								* colour-banded mud	
110								2.5y 3M (very dark grey): 10-54 cm thick	
120								10y 4M (dark greenish grey): 3-22 cm thick	
130								ad 2.5y 3M	
140								* mostly massive and moderately bioturbated in upper parts	
150								laminated in lower part	
			2.5y 4M					* scattered concretions	
								* some burrows filled with 10y 4M sediment, including forams	
								* mud/sand patches possible	
								* scattered concretions	
								* moderately to highly bioturbated	
								calcareous-bearing mud with volcanic ash (based on smear slide from sect 2, 100 cm)	
								* bioturbation burrows contain forams & 2.5y 4M sediment	

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 30R Section: 2A 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			2.54 411					0-150	KF 04/JUL/13 * see section 1, 109-150 clast bioturbation foam-bearing burrows
10			104 411	11.5					
15			2.54 411	16.5					
20			2.54 411						
30									
40			104 411	21.5					
50									
60			2.54 411	61					
70									
80			104 411						
85			2.54 411						
90			104 411						
100									
110			2.54 411						
120			104 411						
130									
140			104 411					104.0-142.0 as 2.54 311, about different colors	
150									

Expedition 341 S. Alaska Margin:

Site: U148 Hole: F Core: 30R Section: 3A 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			10Y 4/1					0-5.5	MF 04/Jul/13
10			10Y 4/1					↳ lowermost part of interval described in section 1, 109-150 ↳ colour 10Y 4/1	
30								5.5-150	
40								* laminated mud with dispersed clasts	
50								↳ less pronounced lamination above 25 cm	
60								↳ lamination mostly visible due to colour variations, but occasionally also due to higher silt contents	
70								↳ probably some beds up to ~3 cm thickness	
80									
90									
100									
110									
120									
130									
140									
150									

bis cut (flow in depth)  
 plugging to none

Expedition 341 S. Alaska Margin:

Site: 41418 Hole: F Core: 30R Section: 4 Top Depth: 0-150cm

Major Lithology: M-d 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								0-78cm: mud with some silt lineae (~0.3cm max) - laminated mud	JM 4.7.13
10									
20	clayey mud		10Y 3/1		0				
30									
40									
50		color banding							
60									
70									
80									
90			color 10Y 4/1					78-150cm: mud with dispersed clasts few distinct layers	
100			10Y 4/1					color bands: 10Y 4/1 green intervals & 10Y 3/1 intervals + few 5GY 3/1 bands	
110			10Y 3/1						
120			2.5Y 3/1						
130									
140			5Y 5/1				SS (143)	mud with ash (141-143cm) → volcanic ash reworked/silted silt to fine sand, very angular (5Y 5/1)	
150									

Expedition 341 S. Alaska Margin:

Site: Y1418 F Hole: 30R Core: 5 Section: 0-150  
 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								clayey mud with dispersed clasts (fine to coarse sand) + few discrete layers (sometimes with sharp upper boundaries) (clast-poor intervals)	JM 4.7.13
10			10Y 4/1						
20			10Y 3/1						
30			10Y 3/1						
40			10Y 2.5Y 3/1						
50				very slight bioturbation	none to slight				
60		color banded							
70									
80							SS (82)	mud	
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41418 Hole: F Core: 3R Section: 6 Top Depth: 0-80cm

Major Lithology: m-d 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 4.2.13
10			2.5Y 3/1		0			- m-d with few dispersed clasts - some diamic layers (clast poor with gradational boundaries)	
20			10Y 3/1						
30								- darker laminae with slightly higher silt content	
40		color banding							
50					0				
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									



Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 30R Section: ca Top Depth: 0-17a

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									
10	• mud	color boundary	10Y 4/1	6/10 4	○			mud - one clast @ 8 - φ = 0.3 ←	JM 4.7.13
20	<u>PAL</u>					17 21			
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U418 Hole: F Core: 31R Section: 1A 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: <u>AB</u> Date: <u>07-04-13</u>
0	mud								
10	disp. clasts			bioturb.					
30			N4						
40								mud, no bio	
50								sharp contact	
60	SS 1/4		SS 1/4				57	sharp contact	clasts becoming more abundant towards the top
70			N4				58	sharp contact	
80			SS 1/4				59	transitional contact	clasts concentrated in top part
90							60	transitional contact	
100	disp. clasts							mud with dispersed clasts	
110								transitional contact	
120								mud with dispersed clasts	
130								gravel lamina	
140								color banding; laminae and color band, raised a red color	
146.5								silt + gravel lamina	
150									

Expedition 341 S. Alaska Margin:

Site: 11418 Hole: ♀ Core: 31R Section: 2A 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	mud	parallel laminated							AB, 07-04-13
10	WSS								
20			N4					WSS 397 411	
30								transition from grey dominance to green	
40	WSS							gradational contact	
50	mud w. silt	p.e.	SS 1/4						
60									colour banding in every unit; colour banding and lamination inverted colour wise
70									
80									
90									
100									
110								and with dispersed silt with laminae/layers	
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 1145 Hole: F Core: R31 Section: 3A Top Depth: 0-150

Major Lithology: mud with drop clasts 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	p.l.	N4					p.l. = parallel laminated	RB, 07-04-13
10	mud w. drop clasts		58/41					sharp contact	
20									
30					moderate		5529	mud w. silt, laminae	
40								gradational	
50	mud w. drop clasts		58/41						
60					moderate				
70									
80	mud with drop clasts	Parallel Lamination	N4					drop contact	
90							5527	mud, no silt	
100									
110									
120	mud		N4					sharp contact	
130	mud w. drop clasts				moderate				
140	llw								
150									

Expedition 341 S. Alaska Margin:

Site: 116/8 Hole: F Core: P31 Section: 62 Top Depth: 0-(136)150

Major Lithology: mud w. clay clasts 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 w. clay clasts		N4						JE, 7-04-13
10								with 5974/1	
20								colony bounded 15cm	
30								laminated, common	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130			N4					sharp contact	
140								mud w. common clasts	
150									

Expedition 341 S. Alaska Margin: U1418 F 31R 5A 547.30m CSF-A  
 Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud (w/ abundant clasts) 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:
									Childress	July 4 2013
0						> 2 mm ↓				
10	mud w/ abundant clasts	PARALLEL LAM.	N4		none					
20								dats mostly laminated @ avg. 5cm intervals (mostly granules)		
30								greenish gray color bands w/ laminae		
40		CONDY				28				
50						46 49				
60						55 (2x) 57				
70								SS65 - silty mud, no bio. (low clast conc.)		
80										
90										
100										
110										
120										
130										
140										
150										



Expedition 341 S. Alaska Margin: U1418 F 31R 6A 548.80m 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: July 4 2013
0										
10	mud w/ abundant clasts	PARALLEL	N4		none	granules		- clasts (granules) mostly laminated @ avg. 5cm intervals - greenish gray color bands w/ laminae		
20										
30	grad	COLLOR BANDS		GAS Exp. (mod. to high)						
40							about			
50	mud			GAS Exp. (mod. to high)				- greenish gray color bands (2mm to 3cm thick)		
60										
70										
80										
90										
100	END									
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1418 F 31R 7A 549.80 m CSF-1  
 Site: Hole: Core: Section: Top Depth:

Major Lithology: Muo 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: July 4 2013
0						>2mm ↓				
10	mud w/ common clasts		N4		none	13		Same granules as laminae @ avg. 5cm intervals		
20						18		greenish gray color bands w/ laminae		
30										
40	mud				mod.	25	SSB5	mud, no bio		
50										
60			grad. N3							
70										
80	END									
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: V1418 Site: F Hole: 31R Core: CC-A Section: 550.60m 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:
									Childress	July 4 2013
0	mud		N3	?	none	absent				
8										
10	PAL						PAL			
13	END									
20										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: 1012 Hole: 9 Core: 20R Section: 13 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	Mud		SS/SH	SS/SH					KE, 07-06-13
10									
20									
30							SS32	(mud, (< 10% diatoms))	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 2005 Hole: 228 Core: 2A Top Depth: 0-151

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			50/40						HB, 07-04-13
10	unit								1-5m
20								high calc. calc. bands in the background and discrete	
30									
40									
50								granular, greenish, silty sand	
60									
70									
80	unit								1-5m
90								laminar and columnar sand	
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 114K Hole: 5 Core: 328 Section: 3-J Top Depth: 0-136

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						Logged by: AB, 07-06-13 Date:
10									
20									
30								sharp contact	
40								sharp contact	
50		parallel laminae							
60									
70									
80									
90									
100	mud		N4		moderate			sharp contact	
110									
120								gradational	
123	mud		N4						
130		parallel lam.							
140	W								
150									



Expedition 341 S. Alaska Margin:

U1410 F 3DR 4A 555.50m 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, <u>glasts</u> , etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: July 4 2013
0				C						
10				D						
20	MUD	PARALLEL LAM.		A				greenish gray color bands (1mm to 3cm thick) w/laminae.		
30		↓ COLOR BANDS	NH	GAS EXP. (mod. to high)	none	absent				
40				C						
50				K						
60				S						
70										
80										
90										
100								silty mud, no bio		
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

U418

F

32R

5A

557.00m 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:
									Childress	July 4 2013
0										
10								crack, 9-31cm: slight to mod.		
20										
30										
40		PARALLEL L.A.M.				Horiz. (~2mm)				
50	mud		N4					greenish gray color bands (mm to 3cm thick)		
60		COLORED BANDS		GAS EXP (mod. to high)						
70										
80										
90										
100										
110				GAS EXP (mod. to high)						
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

U141B

F

32R

6A

55B, 50m 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:
									Childress	July 4 2013
0										
10										
20										
30										
35				GAS. EXP (mod.)	none	absent		greenish gray color bands (mm to 2cm thick) with laminae		
40	mud	L.A.M. P. FERRUGINOUS	N4							
50										
60		COLORADO L.A.M.								
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1418 F 32R 7A 560.00m 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:
									Childress	July 4 2013
0										
10		LA M. ? COLOR BANDS	N4		none	absent		-greenish gray color bands (mm to cm thick) w/ laminae		
20	mud			(slight to mod)				22cm: compressional fault		
30			N3		slight					
50						50cm (22mm)				
70	END									
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: K141B Site: F Hole: 32R Core: CC-A Section: 560.72m CSF-A 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:
									Childress	July 4 2013
0										
10	mucl.		N3		mod.	absent				
17	PAL						PAL			
17	END									
20										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: U148 Hole: ♀ Core: 33R Section: 1A Top Depth: 0-150

Major Lithology: U148 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>U148</u>		<u>S5/4/1</u>						<u>RB, 07-01-13</u>
10									
20					<u>moderate to heavy</u>		<u>3320</u>	<u>U148</u>	
30									
40									<u>glass contact</u>
50	<u>U148</u> <u>W. Silt</u>		<u>S5/4/1</u>					<u>Continued = S5/4/1 - NS</u>	
60	<u>oooooo</u>	<u>parallel laminae</u>							
70									
80									
90									
100									
110									
120									
130	<u>oooooo</u>								
140									
150									



Expedition 341 S. Alaska Margin:

Site: 1142 Hole: 9 Core: 33R Section: 2A Top Depth: 0-150

Major Lithology: mud Minor Lithology: ss

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>		<u>N3</u>						<u>RB, 07-07-13</u>
10	<u>CSH</u>	<u>parallel lam.</u>							
20									
30								<u>sharp contact</u>	
35	<u>mud</u>		<u>SSM</u>						
40					<u>leavy</u>			<u>gradational contact</u>	
45	<u>mud</u>		<u>N3</u>						
50	<u>CSH</u>			<u>mud</u>					
55								<u>mud with coarsest part = tan</u>	
60									
70									
80									
90		<u>parallel lam.</u>		<u>gas expansion, ripples</u>				<u>laminated to fine banded</u>	
100							<u>SS-100</u>	<u>calcareous mud</u>	
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 1148 Hole: 9 Core: 2R Section: 31 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	mud		N3						
10		parallel laminae							
20									
30									
40									
50									
53	mud w. silt	parallel laminae	N3	gas exp. mud.				sharp contact	
60								S5741, with N4	
70								silt laminae	
80								gradational	
90									
100	mud		N3			preserv.		mud	
101.5							S5700	silt laminae	
110								fine sandstone	
117								sharp	
120	mud	parallel laminae	N3					laminated to fine bedded	
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 33R Section: 4A 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	mud		N3						JB, 07-04-13
10									
20									
30									
40		parallel laminated						laminated to thin bedded	
50								concretion, soft shale, granule, siliceous	
60									
70									
80									
90									
100	mud		N3						
110				gas exp. mud	heavy				
120									
130									
140	W								
150									

Expedition 341 S. Alaska Margin: 01418 F 33R 5A 566.70m 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:
									Childress	July 4 2013
0										
10								pyritized burrows @ 10, 13, 17, 21, 52		
20										
30				CRACKS						
40				(slight)	heavy					
50			N4				SE50	diatom-bearing mud		
60										
70										
80						7cm - lam. clast		siltstone(?)		
87			grad.							
90	diatom bearing mud		N3		mod					
100				GAS EXP. (mod.) to slight						
110										
120	mud w/ sand									
130								dispersed sand, not much present		
140				GAS EXP. (slight to mod)						
150										

Expedition 341 S. Alaska Margin:

Site: U141B Hole: F Core: 33R Section: 6A Top Depth: 56B.20m CSF-A

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:
									<i>Childress</i>	<i>July 4 2013</i>
0						7.2mm ↓				
10										
20										
30										
40	<i>mud</i>	<i>PARALLEL LAM</i>	<i>N4</i>	<i>GAS EXP. (knock)</i>	<i>slight</i>					
50										
60						<i>61</i>				
70										
80										
90								<i>87cm-terrapod</i>		
100										
110						<i>107</i>				
120										
130										
140										
150	<i>mud</i>		<i>N4</i>		<i>heavy</i>					

Expedition 341 S. Alaska Margin: U1418 F 33R 7A 569.70m 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>Childress</u>	Date: <u>July 4 2013</u>
0										
10										
20					<u>heavy</u>	<u>absent</u>				
30	<u>mud</u>		<u>N4</u>	<u>GAS. Exp. (mod. to high)</u>						
40										
50	<u>mud w/ sand</u>							<u>51cm: pyritized burrow</u>		
60										
70	<u>mud</u>									
74	<u>END</u>									
80										
90										
100										
110										
120										
130										
140										
150										



Expedition 341 S. Alaska Margin:

U1418

C

33R

CC-A

57D. 44m 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:
									Childress	July 4 2013
0	mud		N4	CRACK (slight to mod.)	mod.	absent				
10	PAL						PAL			
20										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: U4R Hole: 7 Core: 34R Section: 1A 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>		<u>5S/4h</u>						<u>AB, 07-06-13</u>
10									
20									
30									
40									
50					<u>↑</u>				
60					<u>heavy</u>				
70					<u>↓</u>				
80									
90									
100									
110									
120	<u>Mud</u>		<u>N3</u>					<u>trace parallel laminated</u>	
130		<u>parallel lam.</u>							
140									
150	<u>Mud</u>		<u>5S/4h</u>					<u>highly laminated</u>	

Expedition 341 S. Alaska Margin:

Site: M48 Hole: 9 Core: 34R Section: 2A 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>		<u>M4</u>						<u>B. G. 06-13</u>
10								<u>some burrows reworked</u>	
20								<u>bioturbated w/ 15</u>	
30					<u>undisturbed</u>			<u>several not bioturbated</u>	
40								<u>fine beds to very fine beds (= 1-10 cm)</u>	
50								<u>bioturbated layers M4</u>	
60								<u>not bioturbated l. M3</u>	
70									
80	<u>mud</u>		<u>M4</u>	<u>light to dark</u>				<u>trans</u>	
90									
100									
110									
120					<u>heavy</u>	<u>S</u>	<u>5970</u>	<u>silty mud</u>	
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 11418 Hole: F Core: 34R Section: 3A 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	mud	fine-grained	grey						HB, 07-06-13
9								stop	
10	mud		grey/green						
20									
30								well colour bands N3 and 547-3/2 (very dark greyish green)	
40									
50							552	mud	
60									
70				bioturb. clasts	bioturb.				
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 048 Hole: 7 Core: 34R Section: 4A 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	und		5G/4/1						HB, 07-01-13
10					bandy				
20									
30	und		5G/4/1					trans 20-37 cm	
40								5G/4/1 with 113	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140	lw								
150									

Expedition 341 S. Alaska Margin:

U1418

F

34R

5A

576.40m 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:	Date:
									Childress	July 4 2013
0										
10										
20								18cm - pyritized burrows		
30										
36	calcr. mud	PARALLEL LAM.	N4				SS36	36-36.5cm: calcareous high mud		
40										
50										
60								59-74: color bands (N3/N4) over laminae		
70	mud	↓	grad.		slight	absent				
80			N3							
90										
100										
110										
120										
130										
140	SCRE						SCRE			
150										



Expedition 341 S. Alaska Margin: U418 F 34R 6A 577.90m CSF-A  
 Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud (silty) 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>Childress</u>	Date: <u>July 4 2013</u>
0										
10		COLOR BANDS								
20										
30		PARALLEL L.A.M.								
40	silty mud		N4 / N3							
50				slight						
60								SSG - silty mud, no bio		
70	wind									
80		thick CB	N4					w/ N3 color bands (few)		
90										
100	END									
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1410 F 34R 7A 578.89m 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:
									Childress	July 4 2013
0										
10			N4							
20		PARALLEL	grad					- N4/N3 inverted color bands		
30		COARSE BANDS	N3		slight					
40	mud	grad		BINDING (mod.)	mod.					
50										
60										
70										
80										
90								90cm pyritized band		
94										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

U1418

F

34R

CC-A

579.83m 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:
									Childress	July 4 2013
0										
10	Mud		NS	1-5 cm (mod.)	mod	absent				
20	PAL						PAL			
24										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: 7 Core: 3SR Section: 1A 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>		<u>N3</u>			<u>present</u>			<u>AB, 07-04-13</u>
10									
20									
30									
40	<u>o</u>			<u>basalt sands, orange mud.</u>	<u>bioturbation signs</u> ↑			<u>angular argillite pebbles, 0.7cm</u>	
50									
60									
70									
80									
90									
100									
110									
120	<u>mud</u>		<u>gray</u>	<u>basalt sands</u>					
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 11418 Hole: 7 Core: ZSR Section: 2A 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>	<u>C</u>	<u>N3</u>					<u>parallel laminated</u>	<u>BB, 07-04/13</u>
10	<u>mud</u>		<u>N3</u>					<u>sharp</u>	
20	<u>mud</u>		<u>N3</u>				<u>0</u>	<u>transitional</u>	
30								<u>worm tube, pyritised</u>	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1415 Hole: F Core: 35R Section: 3A 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>		<u>N3</u>			<u>present</u>			<u>AB, 07-01-13</u>
10									
20									
30					<u>N3</u>				
40									
50									
54	<u>mud</u>		<u>55/41</u>			<u>present</u>			
60								<u>with colour banding (disc.)</u>	
70								<u>dark greenish grey 55/32</u>	
80									
90							<u>5588</u>	<u>mud</u>	
100					<u>N3</u>				
110									
120									
130									
140									
150									



Expedition 341 S. Alaska Margin: U418 F 35R 4A 584.60 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:	Date:
									Childress	July 4 2013
0										
10					heavy	absent		w/ patch of N3 ss11 - mud, no bio		
20										
30		PARALLEL M.	N4	GAS EXP. (mod.)						
40	mud	↓			slight to mod.	45 46		low clasts (siltstone, argillite)		
50										
60										
70										
80								ss83 - mud, no bio		
90										
100				GAS EXP. (slight to mod.)						
110										
120										
130										
140	IW						IW			
150										

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 35R Section: 5A Top Depth: 586.10m CSF-A

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: July 4 2013
0			N4		slight	> 2mm ↓				
10			bio. grad.							
20			N3		heavy					
30	mud			B I S C U I T S						
40		3 bio		GAS EXP. (mod.) to high						
50		bio	N4							
60		bio	N3							
70			N4							
80				↓				pyritized burrows @ 80; 100cm		
90					slight					
100										
110										
120	o.o.o.o.o mud w/ common clasts				slight			114-122: crustal bioturbation increases @ top of interval		
130	mud				slight ↓					
140										
150										

Expedition 341 S. Alaska Margin:

u1418

F

35R

6A

587.60m 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: July 4 2013
0						2mm				
10										
20										
30				SAS Exp. (mod. to high)		30				
40	mud	PARALLEL	N4					lamination w/ color bands but <u>very</u> disturbed		
50				+ B.S.G.U. (mod)						
60										
70						70		70cm: 2cm argillite		
80										
90										
100										
110										
120										
130										
140					heavy					
150										

Expedition 341 S. Alaska Margin:

U1418

F

35R

7A

58210m 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, elasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: July 4 2013
0						>2mm ↓				
10										
20										
30	mud		N4	GAS Exp. + Bioturb. T. (mod. to high)	heavy	23				
40										
50						50				
60										
70	END									
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1418 F 35R CC-A 582.79m 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		N4		mod.				Childress July 4 2013
10						10 cm - 22 mm		basalt	
14									
19	PAL						PAL		
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: UM18 Hole: 7 Core: 36R Section: 1A Top Depth: 0-150

Major Lithology: umd 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	umd		SS/4/1						#B, 07-61-12
10									
20					bis				
30	umd		SS/4/1		bis			sharp c.	
40	umd with disp. clasts		SS/4/1					transitional laminated with N3	
50	umd with disp. clasts							siltstone beds in "diamict"	
60									
70									
80									
90									
100		parallel lamination						silt + gravel lamina	
110	umd with disp. clasts		N3					sharp contact N3 with SS/4/1	
120									
130		parallel lamination					SS/4/1	umd, as bis	
140									
150									



Expedition 341 S. Alaska Margin:

Site: UM18 Hole: 9 Core: 362 Section: 2A 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>								<u>HB, 07-04-13</u>
10			<u>N3</u>					<u>laminated to fine bedded</u>	
20								<u>N3 with SS 4/1</u>	
30									
40									
50		<u>parallel laminated</u>							
60									
70									
80									
90									
100									
110									
120									
130									
140	<u>W</u>								
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: 9 Core: 362 Section: 3A 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	mud	parallel laminae	N3					parallel laminated	HB, 07-09-13
10								transitional	
20	mud w. c. clasts		ESY41						
30									
40					heavy				
50									
60								transitional	
62	mud		ESY41						
70					heavy		570	mud, biogenic transitional	
74									
80	mud w. dip. clasts		N3	bisecting mud	heavy			transitional	
87									
90	mud w. dip. clasts	parallel laminae	N3						
100									
110									
118								transitional	
120	mud w. silt		N3		heavy				
130									
132	mud	parallel laminae	N3					transitional	
140									
150									

Expedition 341 S. Alaska Margin: U141B F 26R 4A 594.30m 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: July 4 2013
0			N3		none			-w/ntf color bands		
10										
12.5	mud w/sand		N4					coarse Sand mostly concentrated in laminae @ 5cm intervals.		
20										
30										
40				Bioturb. (slight)	mod		SS42	mud, no bio		
50										
60		PARALLEL LAM.						-with N3 color bands (68-79, 115-150cm) over laminae		
70										
80				slight						
90							92cm	> 1cm clast		
100										
110										
120	mud				none					
130										
140										
150										

Expedition 341 S. Alaska Margin: U1418 Site: F Hole: 36R Core: 5A Section: 595.80m CSF-A  
 Top Depth: 595.80m CSF-A

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: July 4 2013
0						22mm				
7								sediment/mud clast		
10	mud		N3							
20		TEMPERED L.A.B.		Bioturb. (slight)	none					
33										
40										
50	Mud w/ sand				mod.					
60										
70						68 72				
80	Mud w/ common clasts					76(2x)		SS75 - mud, no bio.		
90						88(2x) 92				
100						100 101				
105	END									
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U418      F      36R      CC-A      596.85m 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:
									Childress	July 4 2013
0	mud w/ sand		N4		mod	absent				
10	PAL									
20										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: U148 Hole: 7 Core: 37R Section: 2A 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>		<u>5S/4h</u>					<u>Corrupted 12-25-2014</u>	<u>KB, 07-07-13</u>
10	<u>mud w. bp. clasts</u>	<u>↑</u>							
20		<u>↑</u>							
30		<u>parallel laminated</u>							
40									
50									
60									
70	<u>mud w. bp. clasts</u>		<u>5S/4h</u>		<u>bioturb.urch.</u>			<u>Sharp contact</u>	
80									
90			<u>W4</u>						
100									
110			<u>5S/4h</u>		<u>Scary</u>				
120									
130									
140	<u>U148</u>								
150									



Expedition 341 S. Alaska Margin:

Site: 0415 Hole: ♀ Core: 37R Section: 1A Top Depth: 0-150

Major Lithology: med 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									Logged by: <u>JB</u> Date: <u>07-24-13</u>
10	<u>med</u>		<u>58%</u>						
20	<u>med</u>								
30	<u>med</u>								
40									
50					<u>heavy</u>				
60									
70									
77								<u>rounded, deep-colored</u>	
80	<u>med</u>		<u>N3</u>	<u>heavy med.</u>				<u>rounded transitional &amp; biotur-</u>	
90	<u>med</u>							<u>lation</u>	
98	<u>med</u>							<u>N3 core with 58% 4/4</u>	
100	<u>med</u>							<u>silt lamina</u>	
110	<u>med</u>							<u>silt lamina</u>	
120	<u>med</u>							<u>silt lamina</u>	
130	<u>med</u>								
140	<u>med</u>								
150	<u>med</u>								

Expedition 341 S. Alaska Margin:

Site: 11418 Hole: 9 Core: 3TR Section: 3A 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	mud		SS/4						AB, 07-07-03
10									
20									
30									
40									
50									
60									
70				bioturb. mud.	heavy		SS67	mud, no bio	
80									
90									
100	mud		B3					sharp contact	
110		Parallel lamin.							
120									
130									
140	W								
150									

Expedition 341 S. Alaska Margin: U1418 Site: F Hole: 37R Core: 4A Section: 604.00m CF-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>Childress</u>	Date: <u>July 4 2013</u>
0	mud	PAR. LAM.	N4		none	72mm ↓ absent				
8										
10				B	mod.					
20	mud w/ dispersed clasts		N3					pyritized burrows @ 29cm		
25										
30				S						
40				G						
42				U						
50		PARALLEL LAM.			slight					
60				T (slight) (0-150)		absent				
70										
80	mud									
90										
100				Exp. (slight to mod.)						
110										
120										
130										
140										
140.5					slight					
150										

Expedition 341 S. Alaska Margin:

W1418

F

37R

5A

605.50m 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: <i>Childress</i>	Date: <i>July 4 2013</i>
0						>2mm				
10					<i>mod.</i>					
20		<i>PAR. LAM. + COLOR BANDS</i>	<i>N3</i>							
30										
40	<i>mud</i>									
50										
60										
61										
70		<i>PAR. LAM.</i>			<i>slight</i>			<i>→ sediment clast</i>		
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1418 F 37R 6A 607.00m 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: Chidress	Date: July 4 2013
0										
10			N3		slight					
20	mud		N4		mod.	absent		SS21 - mud, no bio		
30		P.L.A.A.R.M. + COLOR BAND	N4		slight			- N3 color bands		
40					B ↓ S ↓ C ↓ U ↓ slight					
50										
60					mod. GAS EXP	5? (>2mm)				
70										
80	END									
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

U1418

F

37R

CC-A

607.80m CSE-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: July 4 2013
0	mud	PAL LAM + COLOR BAND	N4					N3 color bands		
10				SPW?	slight	absent				
16										
20	PAL						PAL			
21										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										



Expedition 341 S. Alaska Margin:

Site: 11148 Hole: 38R Core: 1A Top Depth: 0-150

Major Lithology: mud in deep clasts 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	uncl		13	Good		present	1		AB, 07-07-13
7.5									
10	0					0		granule, bad siltstone, subangular	
20	and W. 0		13			0		bad siltstone, subangular, 1/4 cu	
30	0 disp. clast				moderate	0		quartz, subrounded, 7.5 cu	
40	0					0		"frozen" sand clast	
50									
60	0							more subangular 3.5 cu, 1/2 cu	
70	and with							conglomerate with 50/4/1	
80	disp.							fine sand	
88-90	0 clasts					0		sub angular clast siltstone 1.6 cu subrounded	
100								clast conglomerate matrix granules and mudstone clasts	
110								fine sand	
120	0					0		bed sandstone	
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 11418 Hole: 9 Core: 38R Section: 2A Top Depth: 0-150

Major Lithology: mud w. disp. clasts 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	liquid								AB, 07-01-13
0-10	disp.		N4					lamina w. coarse sand, granules	
10-20	clasts				clasts to wood			clasts w. coarse sand, granules	
20-30									
30-40								clasts w. coarse sand, granules	
40-50									
50-60	mud w. disp. clasts		N4		bioturb. wood			lamina w. coarse sand, granules	
60-70									
70-80								lamina w. coarse sand, granules	
80-90									
90-100								lamina w. coarse sand, granules	
100-110									
110-120									
120-130								mud, no bio	
130-140								lamina w. silt	
140-150									

Expedition 341 S. Alaska Margin:

Site: U1618 Hole: 38R Core: 3A Top Depth: 0-150

Major Lithology: mud w/ disp. clasts 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			U3					laminar with coarse sand + granules	LCG
10								sandst	
20									
30									
40								clast lithoclasts sandst, siltstone bedst.	
50								parallel laminae 13-14	
60									
70									
80									
88									
90								LCG	
100									
105								green clay rich layer	
110								? LCG	
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 F 30R 4A 613.70 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: Childress	Date: July 4 2013
0						22m				
10					slight	18		SSII - mud, no bio		
20					mod.	19		coarse sand concentrated in laminae/beds @ avg. 5cm intervals, often with darts		
30						20.5				
40	mud w/ sand	PARALLEL LAM.	N4		slight					
50										
60	grad.					56				
70	mud									
80										
90										
100										
110						112				
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 38R Section: 5A Top Depth: 615.20m CSF-A

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: July 4 2013
0										
10		PARALLEL LAM.	N4		slight					
20						absent				
30	mud									
58.5										
60	mud w/ sand				mod.			coarse sand concentrated @ top		
70		PARALLEL								
80										
90	mud				slight					
100										
110										
120										
130										
140	mud		N3		mod.					
150										

Expedition 341 S. Alaska Margin:

U1418

F

3BR

6A

616.70m 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:
									Childress	July 4 2013
0										
10										
20	mud		N3		mod.					
30										
35			N4			absent				
38			516/1							
40					heavy			38-38.2: carbonate rich mud, diatom bearing (~25%)		
50	mud		N4							
60										
70										
80								76cm: pyritized burrow		
90	END									
100										
110										
120										
130										
140										
150										



Expedition 341 S. Alaska Margin:

U1418

F

38R

CC-A

617.58m 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: July 4 2013
0	mud		N4		heavy	absent		1cm: pyritized burrow		
8	PAL						PAL			
13										
20										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 39R Section: 1A Top Depth: 0-138

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			10y 4/1	medium heavy				0-138:	MF 05/Jul/13
10								* Mud	
20								* few concretions	
30								* some colour banding to more very dark grey (5y 3/1) & very dark greenish grey (10y 3/1) w/ gradual change	
40								* some burrows filled with ash (?), e.g. ~ 40-45 cm, det. 1	
50								* occasional mud clast, e.g. det. 1, ~ 134 cm	
60								* scattered sand grains	
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 3dR Section: 2A 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			10y 4M					0-44 * as section 1	PF 05/Jul/13
10									
20					heavy				
30									
40									
50			2.5y 3L					44-150: * color banded mud with dispersed clast * color banding between 2.5y 3L, 10y 3/1	
60								* lamination ↳ generally sub-mm to ~8mm * < 5 beds ± 3 cm	
70								* scattered low beds * occurrence of intervals with higher amounts of sand to gravel clast (~1mm - ~2mm)	
80					slight			↳ mostly gradational boundaries	
90								old lamination: gradational to sharp boundary; no signs of erosion	
100									
110									
120									
130			pyritized burrow						
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: 9 Core: 39F Section: 3A 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			2.5436					0-135	PF 05/Jul/13
10								as section 2, 44-150	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U14 18 F Hole: 39 R Core: 4 Section: 0-143cm Top Depth:

Major Lithology: M-d

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								0-23: dispersed clasts within silty mud	JM 5.7.13
10	clastic clasts		10Y 4/1		slight silt-turbid				
20									
30								23-87cm:	
40			10Y 4/1				SS (35)	laminated mud (very sparse clasts → laminae ~ 0.5cm to < 1mm)	
50		color banding			0			→ 35-36: mud with volc. ash (traces of forams)	
60									
70									
80									
90									
100								87-143cm: mud with dispersed clasts (fine to med sized lithic grains) + very few diatom layers	
110			10Y 4/1		slight			→ laminae ~ (1-8cm)	
120									
130								129-131cm: cracks, (high)	
140								clasts + quartz veined with sediment ~ 0.8cm	
150									

Expedition 341 S. Alaska Margin:

Site: 44478 F Hole: 39R Core: 5 Section: 0-91cm  
 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 5.7.13
10			10Y 4/2					mud with dispersed clasts & distinct layers → fine to coarse lithic grains → diastiches with gradational beddings (dark-poor)	
20			to N3					→ gravels: 0.6cm @ 81cm, (granite)	
30								→ laminations (~1-8cm)	
40									
50									
60		color banding							
70									
80									
90									
100									
110									
120									
130									
140									
150									



Expedition 341 S. Alaska Margin:

Site: 61418 Hole: F Core: 39 R Section: CD Top Depth: 0-16.5

Major Lithology: Md 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			10x					thin laminated (up to 3mm)	JM 5.7.13
10		color sanding	4x1 to N3					med. distinct layer @ 5.5 (L 0.4cm)	
20	PAL						16.5 22	9-10 cm: unbed (high)	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: YOR Section: 1A 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								0-150	RF 05/Jul/13
10			10Y3/1 2.5Y3/1					* Mud * Colour banding ↳ very dark grey (2.5Y3/1) ↳ very dark greenish grey (10Y3/1)	
20								* scattered limestones * scattered mud clasts (e.g. sect 4, ~ 23 cm)	
30								ad colour banding: ← ↳ mostly gradational boundaries ↳ some sharp boundaries (sub-cm to ~ 8 cm)	
40								* varying degrees of bioturbation ↳ both colours are affected ⇒ not possible to identify if biogenic activity is higher during deposition of the dark grey or greenish grey intervals	
50								* scattered foraminifera tests * ~ 8 mm thick lens of inter-lithified colour banded mud	
60								↳ evidence: 1) the "lice" fills the entire core width; 2) "flame" of lithified material stick out into the mud that is not lithified. ⇒ carbonate cemented (bubbles with HCl)	
70								* some laminae	
80								* occasional occurrence of pyritized burrows & holes (disturbance)	
90								* laminae mainly due to colour change, but occasionally also due to minor changes in grain size	
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 11418 Hole: F Core: 40R Section: 2A 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			10y3/1					0-150	MF 05/Jul/13
10			5.5y3/1					*see section 1	
20			synthetic burrow?						
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1418

F

40R

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:
0			gray 31A 2.5y 31A					0-150 # as section 1	MF 05/Jul/13
10									
20									
30									
40								~36.5: fine sand along breccia boundary ~41: ~5mm thick interval with higher sand content, gradational transition	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41418 Hole: F Core: 40R Section: 4 Top Depth: 0-135

Major Lithology: md

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								→ volc. beaching <u>md with Siosilica</u> 0-30cm	JM 5.7.13
10							SS (10)	pyritized clasts @ 6 & 13cm, $\phi$ 0.3cm + 1mm holes (unfilled burrows)	
20			10Y 4/1	/				21-30cm: crusted (high)	
30								highly bioturbated md (very slight color variation from 10Y 4/1 to 5GY 4/1)	
50	md							30-135cm: diatom ooze	
60				slight bioturb.	moderate to high		SS (62)	→ partly pyritized diatoms	
90			10Y 4/1						
100								98-106cm: 1mm holes (unfilled burrows)	
140	lw						135-150		
150									

Expedition 341 S. Alaska Margin:

Site: U1478 Hole: F Core: 40R Section: 5 Top Depth: 0-144 cm

Major Lithology: Med 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								0-64 cm: diatom ooze with ash (trace) (silt-sized, angular)	JM 5.7.13
10			10Y 4/1						
20					High		SS (21)	empty burrows	
30									
40									
50								48-53 cm: nice burrows	
60								58-60 cm: empty burrows	
70									
80								64-144: sandy mud with dispersed clasts & gravel (black intra-sediments) (→ well-litic grains)	
90			5Y 3/1						
100			to		Streak			94-108 cm: moderate to high crudes granitoid, $\phi$ 3 cm, subrounded @ 99 cm diorite? (qtz, apatite, biotite) (coarse grained)	
110									
120			N3						
130									
140								131-147 cm: moderate crudes	
150									



Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 40R Section: 5 Top Depth: 0-151cm

Major Lithology: md

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 5.7.13
10			N3 to					0-78cm: laminated mud (0.3-0.8cm) with few dispersed clasts = to-estones (0.5cm)	
20			10Y 3/1						
30				slight structure	0				
40									
50									
60		color sandy							
70				slight structure			SS (7G)	laminated mud with volc. ash	
80									
90				slight structure				78-151cm: mud with dispersed clasts & diatoms → fine to coarse lithic grains	
100			10Y 3/1						
110			to N3		0				
120				/				121-122cm: moderate to high crin.	
130				/				123-137cm: highly cracked quartz-clast @ 135cm, Ø 2cm elongated	
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41418 F 40R 7 Section: 0-77cm  
 Hole: Core: Top Depth:

Major Lithology: Mud Diarict 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	Hand with clasts		N3 to 10Y 4.1					0-11: med size dispersed clasts	JM 5.7.13
10					0			11-55: clast-poor diarict grains: fine to coarse lithics 60d extra-sedimentary pebbles (w/1cm) + green shales	
20	diag. test								
30				2			SS (33)	~ mud 30-34 flow in !!!	
40			10Y 3/1					sharp upper boundary !!! gradational lower	
50					0				
60	with disp. clasts							55-61: cracked & flow in (clasts)	
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 41R Section: 1A 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			10y 4/1					0-150	MF 05/Jul/13
10								* Mud with dispersed clasts	
20								* color banding between ± 10y 4/1 & 11y	
30								* lamination: section 1: ~10-~90cm;	
40								section 2: ~50-~110cm;	
50								section 3: ~10-~32, ~82-~148;	
60								↳ slight to no bioturbation	
70								↳ mostly gradational (sometimes sharp boundaries)	
80								* more massive intervals:	
90								Section 1: ~90 - section 2 ~50;	
100								Section 2: ~110 - section 3 ~10	
110								section 3: ~32-~82, section 3: ~148-150	
120								↳ mostly heavily bioturbated	
130								↳ somewhat coarser than laminated intervals	
140								- occasional mud clasts, e.g. sect. 3, 144 cm	
150								* some calcite in burrows, e.g. sect. 3, ~35-38 cm	
								* scattered bone stones (max 1.5 cm) granitic, granitoid(?), fine-grained red rock, detrital(?)	
								* intervals with higher sand/gravel amounts (both in laminated & massive parts)	
								↳ ~2mm - ~10 cm thick	
								* occasionally pyritized burrows, e.g. sect. 1, ~148 cm	
								* scattered foraminifera tests, & possibly tests from other organisms, e.g. sect. 2, ~22-42 cm	

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: Y1R Section: 2A 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			10Y 4/1					0-150 ↳ see section 1	RF 05/Jul/13
10									
20									
30								SS 27: calcareous-bearing mud	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

bioturb. flow-in (slight)  
 slight to heavy (see explanation for section 1)

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 41R Section: 3A 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			10y411					0-150 * see section 1	YF 05/jul/13
10									
20									
30									
40		Calcareous worm burrows							
50									
60									
70									
80								~ 83% fragment of calcareous tube?	
90									
100									
110									
120									
130									
140		Mid clast							
150									

Expedition 341 S. Alaska Margin:

Site: 41418 F Hole: 41R Core: 4 Section: 0-131cm 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								0-30 ← 1 m <sup>massive</sup> mud with clasts, sandy intervals (fine grained diatoms)	JM 5.7.13
10			10Y 3/1		0				
20									
30								30-80 ←	
40								laminated mud with 10-cm stones/clasts → 1 cm to 6 mm	
50			10Y 4/1		0		55 (55)	10Y 4/1 ↔ 2.5 y 3/1 color changes	
60		Color banding						↳ Volcan. bearing mud	
70									
80								80-131 ← bioturbated mud with dispersed clasts & diatoms (80-83 ← diatoms)	
90			5GY 4/1					→ biosiliceous with mud	
100									
110									
120									
130								127 ← 22-granitoid gravel	
140								131-148 ← IW	
150									



Expedition 341 S. Alaska Margin:

Site: 41418 F Hole: 41R Core: S Section: 0-136  
 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			10Y 4/1					0-24 cm: laminated mud (0.2-0.5 cm, laminae)	JM 5.2.13
10			10 2.5Y 3/1		0				
24								24-87 cm: mud with dispersed clasts & distinct layers (~0.5 cm) gradational boundaries fine to coarse grained lithics	
30									
40			10Y 3/1						
50									
60									
70									
80									
87			10Y 4/1 10 2.5Y 3/1					87-122 cm laminated mud with few clasts (~0.5 laminae)	
90									
100									
110									
120									
122			10Y 3/1					122-136 cm: mud with dispersed clasts & distinct layers	
130									
140									
150									

Expedition 341 S. Alaska Margin: 4141P F 41R 6 0-128  
 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			10Y 3/1		56%			0-15cm: mud with dispersed clasts & structures (small) fine to medium sized lithics.	JM 5.7.13
10			10Y 4/1		0			15-38cm: laminated mud with few clasts, (10x4/1 to 2.5x3/1)	
20			10Y 3/1					38-90cm: massive mud with dispersed clasts & distinct structures (gradational boundaries); fine to coarse lithics, black chertstones, grayoids, greenstones	
30									
40									
50							SS (48)		
60									
70									
80									
90									
100			10Y 4/1		0			90-128cm: laminated mud with very few clasts (10x4/1 to 2.5x3/1) (0.2-0.7cm)	
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 41R Section: 7 Top Depth: 0-58

Major Lithology: h-a 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			10Y	sub cracks	0			0-16 - laminated mud	JM 5.7.13
10			3/1 to M3						
20								16-38cm - massive mud with few clasts of diatoms (gradational sandstone)	
30			10Y		0				
40			3/1 to M3	1 break					
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41418 Hole: F Core: 41R Section: CC Top Depth: 0-22cm

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			10x 3/4 N3	discards	0			massive mud with few dispersed clasts (glaucos) → slightly coarser	JM 5.7.13
22-27	PAL						22-27		
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 F 43R 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:
0			10Y 4/1 N4	Drilling heavy bed				0-150 netstone clast in fall in	MF 05/JUL/10
10								* laminated mud	
20								* colour banding of 10Y 4/1 & N4	
30								* lamination down to sub-mm & mostly < 5 mm	
40								* lamination due to colour change & the occasional occurrence of sand/gravel laminae	
50								* very occasional occurrence of intervals with higher sand/gravel contents (but still mud dominance), e.g. sect. 3, ~19.5-21.5	
60								* very few bonebones < ~4 mm	
70								↳ granitoid, fine-grained sedimentary rock	
80								* multiple carbonate cemented intervals, e.g. sect. 1, ~83-85 cm; sect. 2, ~42.5-44.5, ~51 cm	
90								* 66-70: "strange structure" due to bioturbation?	
100								* boundaries between laminae are sharp to gradational without signs of erosion	
110								* ~17-19: fall in of netstone / very fine sandstone (?)	
120								* few more massive intervals, e.g. sect. 1, 79-84.5	
130								* very scattered / rare tests of forams	
140								* occasional mud clasts e.g. sect. 3, ~117.5 cm	
150									

Expedition 341 S. Alaska Margin: U1418 F 43R 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:
0			10/4/11 NY					0-135 ↳ see section 1	MF 05/Jul/13
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140							1W	135-150: Sample 1W	
150									



Expedition 341 S. Alaska Margin:

Site: 41418 F Hole: 43R Core: 3A Section: 0-136  
 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			gray					0-136	YF 05/Jul/13
10			N4					↳ see section 1	
20									
30								19-86:	
40								↳ no lamination - more massive & more intense	
50								↳ disturbance	
55								↳ slightly higher sand	
60								↳ contact	
65								↳ mud with sand	
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1418

F

43R

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: Date:
0			10y 4/1					0-62	HF 05/Jul/13
10			N4					to see section 1	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1418 F 43R CC 0-25  
 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			10y 4/11 N4	bioc. (degl.)	high to none			0-19 LD see section 1	MF 05/Jul/13
10								19-25 Sample PAL	
20							PAL		
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1418

F

44R

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:
0			10y 4/1	mouse high				0-150; <i>very thin bedded</i> * Interbedding of laminated mud & clay-poor muddy diamicts	HF 05/Jul/13
10									
20									
30								① LAMINATED / VERY THIN BEDDED MUD:	
40								* sub-mm to 2.5 cm * lamination <sup>Repeating</sup> due to colour variations & due to variations in grain size	
50								* mostly well visible, but sometimes more difficult to discern, e.g. sect 1, above ~75 cm	
60								* upper boundary: gradational (e.g. section 4, ~70 cm) & sharp (e.g. sect 1, 110; sect 3, ~58 cm)	
70								* lower boundary: gradational; often repeated occurrence of thin, sandy laminae	
80								* very few limestones (< 7 mm)	
90								* Section 1, 13 → 111; sect. 2, 6 cm → 118.5; section 3, ~20 → 57.5; sect 3, ~85 → sect 4, ~56.5; sect 5, ~29 → 136; sect 6, 21 → end of core	
100								* some normal faults, e.g. sect. 5, 75-83; sect. 6, 32.5-36.5	
110			10y 3/1					* Occasional mud/sand clasts * may contain occasional grit for description of diamicts see section 2	
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1418 F Hole: 44R Core: 2A Section: 0-147  
 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	(3)		10y 2/1						MF 05/jul/13 (2) <u>CLAST-PODR MUDDY DIAMICT</u> * massive * moderately (occasionally heavily bioturbated) * often sharp upper boundary, e.g. sect. 1, 11.1cm; sect. 3, 58cm * lower boundary often gradational & defined by gradually increasing clast content * generally 10y 3/1, but repeated mudification * clasts up to ~1cm / much higher abundance than in laminated intervals) * generally higher sand content than laminated intervals * occasional mud/sand clasts * Section 1, 11.1 → sect. 2, 6cm; sect. 2, 118.5 → sect. 3, 20; sect. 3, 57.5 → 85; sect. 4, 56.5 → sect. 5, 27; sect. 5, 136 → sect. 6, 21cm
10	(1)		10y 4/1						
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120	(2)		10y 3/1						
130									
140									
150									

basinit (algid)

Expedition 341 S. Alaska Margin:

U1418

F

44R

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:
0	(2)		10y 3/1					0-150 ↳ see sections 1+2 for details	MF 05/ Jul/13
10									
20	(1)		10y 4/1						
30									
40									
50									
60	(2)		10y 3/1						
70									
80									
90	(1)		10y 4/1						
100									
110									
120									
130									
140							11w	135-150: Sample 1w	
150									



Expedition 341 S. Alaska Margin:

U1418

F

44R

4A

0-139

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			10y 4M					0-129	PF 05/20/13
10	(1)							* see sections 1 & 2 for details	
20								← 18 cm: <sup>lower</sup> sharp boundary of mud lamina → fossil?	
30									
40									
50									
60	(2)		10y 3M						
70									
80									
90									
100									
110									
120									
130									
140									
150									

SCRE 129-139: Sample SCRE

Expedition 341 S. Alaska Margin:

U1418

F

44R

5A

0-140

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	(2)		10y 3/1					0-140	MF 05/Jul/13
10								# for details see sections 1 & 2	
20								~23: pyritized burrow	
30			10y 4/1						
40	(1)								
50									
60									
70									
80									
90									
100									
110									
120									
130									
140	(2)		10y 3/1					136 yellowish/green pebble	
150									

Expedition 341 S. Alaska Margin: U1418 F 44R 6A 0-83  
 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	②		10Y 3/1					0-83	VF 05/Jul/13
10								↳ for details see sect. 1 & 2	
20			10Y 4/1						
30	①							← normal fault	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									



Expedition 341 S. Alaska Margin:

Site: U1418 F Hole: 45R Core: 1A 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:
0	(2)		10y 3/1	mostly heavy				0-150 *for details see core 44, sections 1 & 2	RF 05/Jul/13
10									
20									
30									
40									
50									
60									
70								~68: metamorphic rock / gneiss(?)	
80									
90									
100									
105.5								105.5	
110	(1)		10y 4/1						
120									
130									
140									
150								~144: cemented laminated mud	

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: YCR Section: 2A Top Depth: 0-146

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			10y 4M					0-146 ↳ for details see core 44, section 142	MF 05/JUL/13
10									
20									
30									
40									
50								← ~50: "special interpretation"	
60									
70									
80			10y 3/4					- 77.5	
90									
100									
110									
120									
130									
140									
150									



Expedition 341 S. Alaska Margin:


Site: U1418 Hole: F Core: 45R Section: 3A 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	②		10y 3/1					0-135 ↳ for details see core 44, sections 1&2	MF 05/JUL/13
10									
20									
30									
40									
50								~48.5 - gneiss pebble	
60									
70									
80								- 80.0	
90	①		10y 4/1						
100								- 97.5	
110	②		10y 3/1						
120								- 119.5	
130	①		10y 4/1						
140							1W	135-150: Sample 1W	
150									

Expedition 341 S. Alaska Margin: U1418 F 45R 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:
0	①		10y 4/1					0-150 ↳ for details see core 44, sections 1 & 2 ~14-15: carbonate-cemented interval	MF 05/JUL/13
10			△						
20									
30									
40									
50									
60									
70								SS M <sub>b</sub> → volcanlastic-bearing mud (100%)	
80								80	
90	②		10y 3/1						
100									
110								111	
120			10y 4/1						
130								~1315 "Mud clast" → most probably bioturbation	
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41418 Hole: 7 Core: 45R Section: 5A 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	(A)		10y 4/1					0-121 ↳ for details see core 44, sections 1 & 2	YF 05/Jul/13
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120								121	
130			2.5y 4/1 N3					121-143: * massive mud with <sup>VERY</sup> occasional concretion & thin intervals of enhanced ooid/gravel contents * slight colour banding * multiple holes (<2mm) → bioturbation, e.g. section 6, ~97-101cm	
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: 7 Core: 45R Section: 6A Top Depth: 0-110

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	<i>Mud</i>		<i>2.54 311 - N3</i>					<i>0-110</i> <i>to see section 5, 121-143 cm</i>	<i>MF 05/Jul/13</i>
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110								<i>99-101: darker grey</i> <i>to vicinity of lightly coarser interval</i>	
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 F 45R CC 0-16  
 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	<i>fine</i>		<i>25y3M - N3</i>	<i>brackish mud.</i>	<i>slight</i>			<i>0-11</i>	<i>MF 05/Jul/13</i>
10							<i>PAL</i>	<i>↳ see section 5, 121-143</i>	
20								<i>M-16: Sample PAL</i>	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41418 Hole: F Core: 46R Section: 1 Top Depth: 0-151cm

Major Lithology: M-d 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								highly bioturbated mud - few empty holes (1cm) burrows - few dispersed clasts (sparse!) ~ 0.5cm calcareous (S-lace) - higher silt content	JM 5.7.13
10									
20			10Y 4/1						
30			to						
40			5G 3/1		high				
50								51.5-53.5cm: graded (high)	
60									
70									
80									
90									
100									
110								biosilic. rich mud with calc. 95%	
120									
130							SS (138)	nice pyritized burrow (or larva?) @ 129cm, φ 2cm	
140									
150								pyritized burrow @ 146cm, φ 1cm	



Expedition 341 S. Alaska Margin:

Site: G1418 Hole: F Core: 46R Section: 2 Top Depth: 0-150cm

Major Lithology: M-1

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 5.2.13
10			10Y 4/1				SS (15)	0-58cm: highly silted mud with few dispersed clasts (granite, shale retards; $\phi$ 0.5cm) in slightly coarser (silty) intervals	
20					high				
30								→ volc. sandy diagen. ooze	
40									
50								perfect dropstone!	
60			10Y 4/1					clast @ 58-60cm: 2.5cm granite - empty (bioturbation) burrows @ 61-63cm	
70			10Y 4/1					64-70cm highly cracked	
80			to N3					clast @ 66cm, 2cm shale retard	
90								58-150cm: laminated mud (0.1-1cm)	
100		color banding			0				
110									
120									
130									
140							SS (145)	volc. sandy mud	
150									

Expedition 341 S. Alaska Margin:

Site: 47418 F Hole: 46 R Section: 3 Top Depth: 0-151

Major Lithology: M-1

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								0-7.5 cm: laminated mud	JM 5.7.13
10			10Y 3/1		○			7.5-16 cm: mud with clasts & diamicts	
20								16-39 cm: laminated mud with few clasts	
30									
40								39-61 cm: mud with clasts	
50			10Y 4/1						
60		Color banding							
70								61-138 cm: laminated mud with dispersed clasts (0.3-1.5 cm)	
80			10Y 4/1					(1-6 cm laminae) → black meta-sediment pebbles	
90			10 2.5Y 3/1		○				
100									
110									
120									
130									
140			10Y 3/1		○			138-151 cm: diamict (clast pair), grad. boundary	
150									

Expedition 341 S. Alaska Margin:

Site: U1418 F Hole: 46R Core: 4 Section: 0-135cm Top Depth:

Major Lithology: *h-d*

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								0-48 cm: laminated mud (1-8 mm)	JM 5.2.13
10			10Y 4/1		○				
20			to 2.5Y 3/1						
30									
40									
50			10Y 4/1	slight siltiness				48-81 cm: mud with dispersed clasts & diatoms (gradational 50-daters)	
60			to N3		Wedge/slight				
70									
80									
90			10Y 4/1		○			81-114 cm: laminated mud (1-8 mm)	
100			to 2.5Y 3/1						
110									
120			10Y 4/1		slight			114-125 cm: mud with dispersed clasts & diatoms (very gradational 50-daters)	
130			10Y 4/1		○			125-135 cm: laminated mud (1-8 mm)	
140	W		to 2.5Y 3/1				135 - 150		
150									

Expedition 341 S. Alaska Margin:

Site: 41418 F Hole: 46R Section: 5 Top Depth: 0-151cm

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		g	10Y 3/1		0			0-3cm - laminated mud (1-8cm)	JM 5.2.13
10								9-151cm: massive mud with few dispersed clasts & diatoms (very gradual sand layers) (very fine to medium sand diatoms)	
20			N3 to						
30			10GY 2.5/1						
40									
50									
60				very slight siltation	slight to moderate to high		51 (62)	<u>mud</u>	
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41418 Hole: F Core: 46R Section: 6 Top Depth: 0-100cm

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			10GY 2.5/1					0-37.5cm:	JM 5.7.13
10			to					quite sandy/clastic @ 14cm	
20		0	10Y 4/1	biogenic	high				
30									
40	mud	0	10GY 2.5/1		0			37.5-51cm: mud with very fine laminations	
50								48-51cm: crinoids (moderate to high)	
60			10GY 2.5/1					51-100cm: massive mud with very few dispersed clasts (fine to coarse lithic grains)	
70	mud	0							
80				biogenic	moderate				
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

41418 F 46R 7 0-91c  
 Site: Hole: Core: Section: Top Depth:

Major Lithology: M-d

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								0-91c: mud (very massive) with very few lithic part	JM 5.7.13
10		0	10Y 3/1 to						
20									
30			10GY 2.5/1 to						
40								pyritised burrows	
50			5GY 3/1						
60		0		(slight) biscuits	Wolstenholme				
70									
80								81-82c: worked / pyritised burrow (1c long)	
90								79-91c: worked (heavy) & worked	
100									
110									
120									
130									
140									
150									



Expedition 341 S. Alaska Margin:

Site: 41418 Hole: F Core: 46R Section: CC Top Depth: 0-80

Major Lithology: h-d 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	h-d	0	5GY 3/1	0	Ladder-like			very massive h-d	JM 5.7.13
10	PAL						8-13		
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 F 47R 1A 696.50m C&F-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:
									Childress	July 5 2013
0										
10										
20										
30	mud		5G 4/1	BIOTURB (slight) (0-150)						
40					heavy					
50										
60										
70		PAR. LAM.			slight			- N4 color bands		
80	mud	COLOR BANDS		WTC						
90				(mod. to high)						
100										
110					grad.					
120	mud				heavy					
130								127-129cm pyritized burrows		
140										
150										

Expedition 341 S. Alaska Margin:

U141B

F

47R

2A

698.00m CSF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: Mud (w/ diatoms)

Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, <u>clasts</u> , etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: July 5 2013
0			5G 4/1							
10	mud		10Y 7/1		heavy					
20			5G 4/1							
30										
40						absent				
50										
60										
70	MUD w/ diatoms									
80				CRA-OR (log.)						
90										
100							SS99	mud, fragments of diatoms 10cm pyritized burrow		
110								109-150: very thin black bioturbation marks. (1mm x 2mm)		
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1418 F 37R 3A 699.50m CSF-A  
 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:	Date:
									Childress	July 5 2013
0										
10								11-12cm: pyritized		
20										
30			504/1		heavy					
40	Mud w/silt						5535	mud, w/ silt (poorly sorted)		
50										
60								55:5: pyritized burrow		
70										
80				Bliscuit (mud)						
90										
100	mud		104 4/1					96-97cm: 1mm voids + 1 very coarse sand		
110			504/1							
120										
130										
140								142-150: 1mm voids, some filled w/ other material		
150										

Expedition 341 S. Alaska Margin: U1418 Site: F Hole: 37R Core: 4A Section: 701.00 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>Childress</u>	Date: <u>July 5 2013</u>
0						> 2mm				
10			10Y 4/1		mod.					
20			5G 4/1		heavy	13				
30	mud					30				
38.5			10Y 4/1		mod.	38				
40			5G 4/1		heavy	43.5				
50			N4							
70					mod.	67.5				
71		P L A. A. R. M.	N4							
80	mud	↓ COLOR BANDS			slight			- greenish gray color bands		
90							SSB7	mud, no bio		
140	IW						IW			
150										

Expedition 341 S. Alaska Margin:

Site: 11418 Hole: 7 Core: 47R Section: SA Top Depth: C-149

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						HE, 07-05-13
10	w. dip. clasts		SS/4/1						
20									
30									
40	cccccc							lamina to silt + coarse sand	
50	cccccc							-h-	
60	cccccc		SS/4/1					-h-	
70									
80									
90									
91	cccccc								
93			SS/4/1						
100									
110									
130									
132									
140									
150									



Expedition 341 S. Alaska Margin:

Site: 11418 Hole: 7 Core: 47B Section: 6A 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	mud		N4			foraminifera			HB, 07-05-13
10		parallel laminae							
20									
30									
35							SS	mud, no bio	
40								arenaceous, oolitic, granule	
50	oooo mud			50/41				transitional clay w. silt, coarse	
60	w. disp. clasts			↑ mud ↓					
70				10/41					
80									
90									
100									
110									
120									
130			58-141						
140									
150									

Expedition 341 S. Alaska Margin:

Site: 11418 Hole: F Core: 47R Section: 7A Top Depth: 0-64

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		U4						AB, 07-05-13
10		parallel lam.							
20									
30				slit					
37.5								sharp contact	
40	mud w. deep clasts		U3	bisuit					
50					meary				
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: W415 Hole: 9 Core: 47R Section: CC Top Depth: 0-24

Major Lithology: 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: Date:
0	<u>and</u>		<u>N3</u>		<u>massy</u>				<u>AB, 07-05-13</u>
10	<u>and</u>	<u>parallel</u>	<u>N3</u>				<u>816 and, 40, 210</u>		
20	<u>PAL</u>								
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 F 40R 1A 706.20m CSF-A  
 Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud (w/ sand) 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: July 5 2013
0						20cm				
10						12 14				
20										
30										
40		PARALLEL	N4		very slight			coarse sand concentrated in laminae @ avg. 5cm intervals 38.4 56.38cm cemented 56.3/1 layer calcareous rich mud greenish gray color bands (mm to 2cm thick)		
50	Mud w/ sand	+ COLOR BANDS			(slight to mod)					
60						22				
70										
80										
90										
100						97.5 - felsic				
110										
120										
130	END									
140										
150										

Expedition 341 S. Alaska Margin: U1418 F 48R 2A 707.48m 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:
									Childress	July 5 2013
0						>2mm				
10								cemented 56 3/1 intervals: 41.8-42, 50.1-50.3, 80.2-80.4, 80.9-81, 88.4-88.6 cm		
40								SS12 - calcareous rich mud		
50	mud	PAR. LAM. + COLOR BANDS	N4	BIOTURB. (slight to mod.)		53		- greenish gray clay bands (mm. to 1cm thick)		
60					slight					
120				↓						
122										
130	mud w/ silt		N3		mod.	126 128		SS120 - siltstone mud, no bio (10% silt)		
140						140				
150										

Expedition 341 S. Alaska Margin: U141B F 48R 3A 708.98m 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: July 5 2013
0		PAR. LAM.				→ 2mm ↓				
10	mud w/silt		N 3		slight	10.5				
14.5										
20			N 4			17		→ 17cm: "frozen" sed. clust		
30	mud	PAR. LAM. + COLOR BANDS		B	slight			- greenish gray color bands (mm to 1cm thick)		
40										
50				S		52.5				
60				C						
70				BISC. (mid. to high)				- parallel laminae deformed by D.D.		
80						83.5				
90				U						
100				I						
110				T (slight to mod.)						
120						121.5				
127										
130	IW						IW			
140										
144	END									
150										



Expedition 341 S. Alaska Margin:

Site: U1418 Hole: 7 Core: 18R Section: 4A 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>		<u>SSY 4/11</u>						<u>HB, 07-05-13</u>
10								<u>Continuation SSY 4/11 works 10Y 4/11</u>	
20									
30									
40									
50									
60									
70									
80	<u>mud</u>	<u>Parallel laminae</u>	<u>10Y 4/11</u>	<u>loisuit, wood</u>				<u>SSY mud, no bio sharp</u>	
90									
100									
110									
120								<u>transitional</u>	
130	<u>mud</u>		<u>10Y</u>		<u>heavy</u>				
137									
140	<u>mud</u>	<u>Par. lam.</u>	<u>10Y 4/11</u>						
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: 7 Core: 48R Section: 5A Top Depth: 0-

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		10Y4/1						HB. 07-05-13
10		parallel lamin.	5G/4/1					color sandy	
20									
30									
40	mud		10Y4/6			present		transitional calcification, heavy bioturbation pebble, quartz, calcareous	
50								color banding 10Y4/1 with 5G/4/1	
60									
70				bioturb. slight				granule. dark silty stone, silty rounded	
80									
90	mud		5G/4/1				59/4/1	pebble, 3 cu long axis, dark plutonic rock → hole mid gran. quartz? mud, calcia	
100									
110			10Y4/1						
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U418 Hole: 9 Core: 40R Section: 6A Top Depth: 0-69

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		10Y4/1			fragments			46,07-05-13
10	o					fragments		2 siltstone & pyrite 2 lb. siltstone 1 siltstone 4. frozen sandstone sample	
20	o							colour banding	
30	o			bioturb. slight				10Y4/1 with 5G7 4/1 sample	
40	o			bioturb. heavy				sample	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 114B Hole: 9 Core: 18R Section: CC Top Depth: 0-14

Major Lithology: sand 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>sand</u>	<u>fine</u>	<u>light</u>	<u>fine</u>					<u>HB, 07-05-13</u>
10	<u>FAZ</u>								
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 11410 F Hole: 49R Core: 1A Section: 715.90m 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: July 5 2013
0						>2mm				
10	mud w/sand			GRAVEL (disturbed)						
20						20.5	SS19	mud, no bio		
30				BISCUIT	mod.					
40						40				
50		PAR. LAM. + COLOR BANDS	N4		slight			greenish gray color bands, mm to 2cm thick		
60										
70										
80					mod.					
90										
100	mud	PAR. LAM. + COLOR BANDS			slight	105				
110										
120						117				
130										
134	END									
140										
150										

Expedition 341 S. Alaska Margin: U141B F 49R 2A 717.24m CSF-A  
 Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud w/sand 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>Childress</u>	Date: <u>July 5 2013</u>
0						>2mm ↓				
10										
20										
30		PAR. LAM. + COLOR BAND						greenish gray color bands mm to 1cm thick		
40	mud		N4		slight					
50										
60										
64										
70	mud w/sand									
80								sand concentrated @ avg. 5cm intervals		
90										
100										
101										
110										
120										
130										
140										
142										
150										



Expedition 341 S. Alaska Margin: U1418 F 49R 3A 718.66m CSF  
 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: July 5 2013
0						>2mm				
10	mud w/sand		N4					- frozen sed. clast - siltstone  - sand concentrated @ avg. 5cm intervals		
23										
30	mud	PAR. LAM. + COLOR BANDS								
40					slight			greenish gray color bands (mm to 1cm thick)		
50										
60										
75										
80					mod.			- siltstone		
90										
100										
120										
126										
130	IW						IW			
140	END									
150										

Expedition 341 S. Alaska Margin:

U1418

F

49R

4A

720.07m 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:
									Childress	July 5 2013
0						> 2mm ↓				
10										
20										
30										
40		PAR. LAM.								
50	mud	+ COLOR BANDS	N4					- greenish gray color bands		
60										
70					B I S C O I T C I T C I T C I T	slight				
80						73				
90										
98.9										
100	calcareous rich mud							SS100 - calcareous rich mud		
110								→ mm to 2cm thick intervals of calc. rich mud in mud @ 5mm to 5cm intervals		
120										
130										
131.5										
140	mud					136		volcanic rock		
150										

Expedition 341 S. Alaska Margin:

Site: 11419 Hole: 9 Core: 49R Section: SA 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	mud		N4						HB, 07-05-13
10		parallel laminae							
20									
30	mud w. diss. clasts		SS/Y					sharp contact increasing abundance of clast	
40									
50					heavy			decreasing abundance of clasts	
60								sharp contact	
70								transitional contact	
80		parallel laminated							
90									
100									
110									
120									
130									
140									
150	MS10								

Expedition 341 S. Alaska Margin:

Site: 11418 Hole: 7 Core: 19R Section: 6A Top Depth: 0-111

Major Lithology: mud Minor Lithology: mud w. & mudstone clasts

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		lt grey						HB, 07-05-13
10									
20									
30		parallel laminae							
40									
47								sharp contact	
50	mud		grey						
60	mud w. clasts								
70							SSR	mud, no clasts	
77								sharp	
80	mud		lt grey						
90		parallel lam.							
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 1148 Hole: 9 Core: 19R Section: 7A Top Depth: 0-69

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						AB, 07-05-13
9.5		pos. loc.						Fred:	
10								* mud with dispersed clasts	
12	Mud		N4				312	* mud Fred.	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: 9 Core: 49R Section: CC Top Depth: 0-26

Major Lithology: U1418 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>U1418</u>		<u>M4</u>						<u>HB, 07-05-13</u>
10									
20	<u>PA1</u>			<u>100g, und. to 100g</u>	<u>100g</u>				
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									



Expedition 341 S. Alaska Margin:

U41B  
Site:

F  
Hole:

50R  
Core:

1A  
Section:

725.60m 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:
									Childress	July 5 2013
0										
10	mud				mod					
20	erosive?	tilted bedding	N4	B-S-S-C-U-I-T (slight)				- contact lost to D.D.		
30										
40					slight					
50	cross bedding →					absent				
60										
70										
80		normal faulting								
90	erosive									
100		PAR, LAM.			slight					
110										
120										
127	mud w/silt				mod.					
130										
131	u.mud.	PAR, LAM.						135 - cross bedding		
139										
140										
150										

Expedition 341 S. Alaska Margin: U1418 F 5DR 2A 726.99m 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: July 5 2013
0										
10	mud				mod.					
20										
23										
26										
30	calc. bearing mud	tilted beds		B I S C U T (slight)	slight			29-31: tilted, pyritic burrow		
40			N4					SS6 - calcareous bearing mud		
50										
60										
70										
78										
80	mud	tilted par. lam.			none					
90										
100	mud	tilt.			mod.					
110										
120										
128										
130	IW						IW			
140										
143	END									
150										

Expedition 341 S. Alaska Margin:

U1418

F

50R

3A

728.42m 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: July 5 2013
0										
10	mud	tilted bed			mod					
20			N4							
24	erosive									
30	mud	PAR. LAM. + COLOR BAND			slight			-greenish gray color bands		
40				B I S C U I T						
50										
60										
70										
80										
90						none				
100	mud w/sand	X								
110										
120	mud	PAR. LAM. + COLOR BAND								
130						128cm - 72mm				
140										
150										

Expedition 341 S. Alaska Margin:

Site: UWS Hole: F Core: SR Section: 4A Top Depth: 0-147

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: Date:
0	<u>mud</u>		<u>M4</u>						<u>HB, 07-05-13</u>
10									
20									
30								<u>silty mud</u>	
35								<u>sharp</u>	
40	<u>mud</u>							<u>sand/silt layer, 0.5 cm</u>	
45								<u>sharp</u>	
50								<u>laminated M4 w/ B N3</u>	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 11415 Hole: 9 Core: SGR Section: SA Top Depth: 0-140

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	Parallel lam.	N4						AB, 07-05-13
10									
20	mud w. disp. clasts		SS/4/1					transitional	
30									
40									
50			N3						
60	mud w. disp. clasts		SS/4/1	bioturb.	heavy		SS6	mud, carbon	
70									
80								transitional	
90	mud		N4					laminar N4 with N3	
100		parallel laminated							
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 11618 Hole: ♀ Core: 50R Section: 6A Top Depth: 0-118

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		gray						KB, 07-05-13
10								granule, rounded, 1, 2.5, siltstone	
20								laminated, 14, 15, 13	
30								granule, rounded, 2.5, siltstone	
40								granule, 1.5, siltstone, siltstone bed	
50								small rounded, pellets, 5 cm, rounded	
60									
70								siltstone, 1 granule	
80									
90									
100									
110								dispartite, dark brown siltstone	
120								subdivided, 1.5, 2.5 cm	
130									
140									
150									



Expedition 341 S. Alaska Margin:

Site: 11418 Hole: 9 Core: SR Section: CC Top Depth: 0-19

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									
3	fine sand	fine sand	light	fine sand				silt lamina	HB, 07-05-13
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U41B F 51R 1A 735.30m CSFA  
 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				Cross section		2mm			Childress July 5 2013
10									
20									
30									
35	mud w/ sand		N4	BISCUIT	mod.			Coarse sands concentrated @ avg. 5cm intervals	
40				(light to mod.)					
50									
55						55.5			
60									
70									
80									
85	mud	PAR. LAM. + COLDR BANDS			Slight	absent		greenish gray color bands (mm to 2cm thick)	
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1418  
Site:

F  
Hole:

51R  
Core:

2A  
Section:

736.77m 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: July 5 2013
0						72mm				
10						frozen sed. clasts				
20										
30		PARALLEL								
40	mud	4 COLOR BANDS	N4		slight			-greenish gray color bands (mm to 3cm thick.)		
50					BISCUIT (slight)					
60										
70										
80										
90										
100						103.5				
110										
120										
126	END									
130										
140										
150										

Expedition 341 S. Alaska Margin: U1418 F 51R 3A 738.03m 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:
									Childress	July 5 2013
0						>2mm ↓				
10										
20	mud	PARALLEL M.	N4			frozen sed. clasts				
30		+ COLOR BAND			slight			28cm: pyritized burrow		
40					(slight)			: greenish gray color bands (mm to 4cm thick)		
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
144	END									
150										

Expedition 341 S. Alaska Margin: U1418 F 51R 4A 739.47m 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: July 5 2013
0										
10	mud									
20		PARALLEL LAM.	N4	BISCULIT (slight)	slight	absent		greenish gray color bands (1mm to 3cm thick)		
30		+ COLOR BANDS								
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140	IW						IW			
150										

Expedition 341 S. Alaska Margin:

Site: U1618 Hole: 9 Core: SIR Section: 51 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	mud		N4						Logged by: <u>SB</u> Date: <u>07-05-13</u>
10								laminated N4 with light colored laminae, N6 (gray) and darker ones (N3)	
20									
30									
40									
50								sharp contact	
55	mud in fine class		N4					transitional	
60	mud		N4						
70									
80								transitional	
90	mud w. disp. clasts		N4						
100									
110									
120								abundant w. silt + granules	
130								gradational	
140									
150									



Expedition 341 S. Alaska Margin:

Site: U1418 Hole: 9 Core: SIR Section: GA Top Depth: 0-108  
 Major Lithology: mud Minor Lithology: mud w. disp. & conc. clasts

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	parallel laminated	N4					laminated N4 with N3 and N6	HB, 07-05-13
10									
20									
30									
40								S36 calc. bearing mud	
50									
56								sharp contact	
60	mud w. conc. clasts		N4						
65								sharp contact	
70	mud w. disp. clasts		N4						
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: 9 Core: SIR Section: 7A Top Depth: 0-61

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>		<u>U4</u>					<u>laminated U4 + U3</u>	<u>AB, 07-05-13</u>
10	<u>w. disp. clasts</u>	<u>parallel laminated</u>		<u>bioturb. mud.</u>					
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 11418 Hole: ♀ Core: SIR Section: CC Top Depth: 0-23

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		104	Crust light					AB, 07-05-13
10		Pal. low							
20	PAL								
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 F 52R 1A 745.00m 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: July 5 2013
0						>2mm ↓				
10										
20										
30	calc. rich	PARALLEL		BISCUIT				27-28cm calcareous bearing, 563/1		
40	mud		N4	(mud)						
50					none					
60										
70										
80				BISCUIT						
90	mud w/ dispersed clasts			(slight)	mod.			coarse sand/granules concentrated in layers, often w/ clasts		
100										
110						108				
120										
130						130				
140	mud				slight					
150										

Expedition 341 S. Alaska Margin: U41B F 52R 2A 746.50m 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:
									Childress	July 5 2013
0						>2mm ↓				
10										
20										
30	mud	PARALLEL LAM.	N4	BISCUIT (slight to mod.)						
40								greenish gray color bands (mm to 2cm thick)		
50										
60		COLOR BAND			slight					
70						71 silstones 77				
80										
90										
100										
110										
120	calc. bear							121-122cm: calc. bearing, SG 3/1		
130										
140	END									
150										

Expedition 341 S. Alaska Margin: U1418 F 52R 3A 747.87m 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: July 5 2013
0						>2mm				
10		PAR, LAM.								
20					mod	absent				
30	mud		N4	B-I-S-C-U-T						
40				(slight)		41				
50	mud w/ dispersed clasts				slight	54; 1.5cm felsic		coarse sand/granules concentrated in layers, often w/ larger clast		
60										
70										
77						76				
80		PAR, LAM.								
90	mud									
100										
110										
120										
130										
136										
140	IW						IW			
150										



Expedition 341 S. Alaska Margin: U1418 Site: F Hole: 52R Core: 4A Section: 749.38m 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: July 5 2013
0						>2mm				
10										
20		PAR. LAM.			none	9-volcanic				
30	mud	+ COLOR BAND						31-32: <del>calc</del> calcareous bearing mud		
40			N4							
50					slight					
60										
70										
80										
90										
100			N3		mod.					
110	prosite							SS105 - mud, no bio		
120	mud w/silt	PAR. LAM. + COLOR BANDS	N4		slight			SS112 - mud, w/silt (30%), no bio		
130								greenish gray color bands (mm to 5mm thick)		
140	SAFF									
150										

Expedition 341 S. Alaska Margin:

Site: U1415 Hole: F Core: 50R Section: 5A Top Depth: 0-147

Major Lithology: U1415 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	U1415								HB, 07-05-13
5	U1415		N4					Continued site + samples	
10	ly. disp. clast	parallel laminations						Continued N4 to N3	
20									
30									
35									
26									
40	U1415		N4					not laminar sharp contact	
50		↑							
60									
70									
80		parallel lam.							
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U48 Hole: ♀ Core: 52R Section: 6A Top Depth: 0-

Major Lithology: und. w/ dep. cont. Minor Lithology: und.

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

Expedition 341 S. Alaska Margin:

Site: U418 Hole: 9 Core: SSR Section: 7A Top Depth: 0-67

Major Lithology: mud Minor Lithology: mud, ls, o.s.p., clastic

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					parallel lam. N4 on N3	AB, 07-05-13
10		parallel lam.							
20									
30								sharp contact	
32									
40	mud with disp. clast		N4					- interbedded layers of silt/sand and sponges with mud with oolite clast	
50								- clastic layers 1cm to 1cm	
60								- mud < 4 cm	
70								low mud clast	
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: ♀ Core: 52R Section: CC Top Depth: 0-15

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		W4	0.5-2					AB, 07-05-13
10	PAL								
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 53R Section: 1A Top Depth: 0-149

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			log 4/1 5/3/1	moderate mud-high				0-149	M= 06/Jul/13
10								* Mud	
20								* Colour variations from log 4/1 to 5/3/1	
30								* ~28 cm carbonate-cemented mud	
40								* lamination (sub-mm) to very thin bedding (<2.5 cm)	
50								* lamination due to colour variations but occasionally also due to changes in grain size	
60								* scattered lenticles	
70					None			* scattered diamictic intervals, up to ~2 cm; more sandy matrix & higher amount of very fine gravel (e.g. sect 1, 59.5-61.5)	
80								* multiple carbonate-cemented intervals (e.g. Sect 1, ~28 cm; sect 2, ~31+3.7 cm)	
90								* light bands <sup>can be</sup> slightly coarser than darker bands	
100									
110									
120									
130									
140									
150									



Expedition 341 S. Alaska Margin:

U1418

F

53R

2A

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			gray 4/11					0-130	PF 06/20/13
10			gy 3/11					↳ see section 1	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130							1W	130-145 Sample 1W	
140									
150									

Carbonate  
Venus's

biocrit. flows in (slightly)

None

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 53R Section: 3A Top Depth: 0-137

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			W9411 S9311					0-137	MF 06/Jul/13
10									
20									
30									
40									
50								~50 cm: laminated fine sand L <sub>0</sub> "looks real"	
60									
70									
80									
90								82.5-82.5: poorly sorted fine to medium sand with sharp (erosive?) lower boundary	
100								W also sharp upper boundary, but that is probably due to shearing of biscuit	
110								~106-110: some holes (< 2 mm) from bioturbation	
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41418 Hole: F Core: 53R Section: 4 Top Depth: 0-148cm

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								0-51cm clayey mud: laminated (0.1-0.5cm)	JM 6.7.13
10									
20	mud		10Y 4/1		0				
30									
40									
50									
51	mud		5Y 4/1		slight			51-57cm: slightly siltier mud with dispersed clasts & slight bioturbation	
60									
61			5Y 4/1		0			57-76cm: laminated mud	
70	mud	Slight color banding							
80								76-148cm: mud with dispersed fine sized lithic grains & low-stones & 5Y 3/1 silt/very fine sand layers (~2-3cm) with gradual boundaries	
90			10Y 3/1						
100			to						
110			5Y 3/1						
120									
130									
140							SS (140)	mud with sand, poorly sorted lenticle @ 139.5cm & 1.5cm, black calcarenite	
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: J3R Section: 5 Top Depth: 0-138

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								0-1 cm sand layer (fine to coarse grained)	JM 6.7.13
10	✓		10Y 3/1	✓	0			0-18 cm: mud with sand (flow @ 15-17 cm; moderate)	
20			10Y 3/1					18-46 cm: laminated mud	
30					0				
40								36.5-38.5 cm: 5Y 3/1 fine sand laminae (4 x 0.5 cm thick)	
50									
60			5Y 3/1					46-138 cm: massive mud with fine grains (fine to medium sand), color variation	
70			to 10Y 4/1						
80									
90								81-89 cm: coarse like (high)	
100									
110								101-110 cm: coarse like (moderate to high)	
120			5Y 3/1 to 10Y 3/1					117-127 cm: coarse like moderate	
130									
140								132-138 cm: coarse like (moderate)	
150									

Expedition 341 S. Alaska Margin:

Site: 41418 F Hole: 53R Core: CC Section: 2-16c  
 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									
10	Mud		gray 4/2	high	5/22			clayey mud	JM 6.7.17
20	<u>PAL</u>						16 22	6-16c: horsetail (4/2)	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 54R Section: 1 Top Depth: 0-136

Major Lithology: m-d

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								0-9 cm: fall in	JM 6.7.13
10								9-115 cm: massive mud with few dispersed clasts (blue stones)	
20			10Y 3/1					→ 0.6 cm, black clasts, bioturbation	
30			to 5GY 3/1				SS (23)	26-27 cm: Zoophycos fossil	
40			to 3/1					→ lower, very fine (day sea)	
50			to 10Y 4/1					49.5-51 cm: crack & flour (light)	
60									
70									
80									
90									
100									
110								105-109 cm: laced, flour (heavy dd)	
120								115-138 cm: laminated mud (0-6 mm)	
130		slight cb	10Y 4/1						
140									
150									



Expedition 341 S. Alaska Margin:

Site: U1418 F Hole: 54R Core: 2 Top Depth: 0-116 cm

Major Lithology: sd

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								0-114 cm laminated mud (<1mm to 0.5mm)	JM 6.7.13
10									
20					0			→ lamination due to subtle changes in grain size (mud, clayey mud, silty mud)	
30			10Y 4/2						
40		parallel lamination		slight to moderate siltiness					
50									
60									
70									
80									
90					0				
100									
110								114-116 cm: diamic (fine to coarse lithic)	
120								116-130 LU	
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 54R Section: 3 Top Depth: 0-149cm

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									JM 6.7.13
10	mud		10Y 3/1		0			laminated mud: thin laminae (< 1cm to 4cm) - darker laminae (5Y 4/1) slightly siltier	
30			10YR 5/1					29-34cm: sandstone, 0.4cm → quartzitic fragments, fine to medium grain size, quartz veins	
50								- very few diamic layers (~1cm thick) with gradual sandstones, fine sand sized	
65								- calcite cemented mud layer (0.5cm) @ 65cm	
80			10Y 3/1						
90			to						
100			5Y 3/1						
120									
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 54R Section: 4 Top Depth: 0-150cm

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								laminated mud (1cm to 0.5cm)	JM 6.7.13
10			10Y 3/1		0			w/ very few distinct layers (~0.8cm) → fine grained lithics	
20			10 5Y 3/1		0			→ subtle color variations due to lamination & due to grain size differences	
30			10 5G 3/1						
40			10 5G 3/1						
50									
60								light colored laminae: clay-rich (fine)	
70								dark colored laminae: slightly coarser, sandy	
80								caliche cemented mud layers @ 75 & 77cm (0.5cm)	
90									
100					0				
110									
120								clast @ 121cm, Ø 1cm, stark - chert w/ R @ 2 - red	
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 47418 F Hole: 54R Section: 5 Top Depth: 0-151cm

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								laminated mud (< 1cm to 0.6cm)	JM 6.7.13
10			10Y 3/1		0			- slightly darker laminae (5Y 3/1) are coarser	
20		slight color banding (darker laminae)						0.5cm calcite cemented mud laminae @ 20cm	
30									
40									
50									
60									
70									
80									
85								8.5-8.6cm: flow i-	
90									
100									
110					0				
120									
130									
140									
150								4 calcite cemented mud laminae (0.3cm)	

Expedition 341 S. Alaska Margin:

Site: W418 Hole: F Core: 54R Section: 6 Top Depth: 0-111cm

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				/				0-9 cm - highly craked	JM 6.7.13
10				/					
20				/				13-17 cm - slightly coarser dia - 100 → fine/med sand grains	
30			10Y 3/1	/				~ laminated mud with very few dispersed di-act-like inverts (fine to medie lithics)	
40			to	/				very gradational boundaries	
50			5GY 4/1	/					
60				/					
70				/					
80				/					
90				/					
100				/				93-96 cm - highly craked	
110				/					
120				/					
130				/					
140				/					
150				/					

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 54R Section: CC Top Depth: 0-12cm

Major Lithology: med

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 6.7.13
10	<u>med</u> <u>PAL</u>	<u>fine</u>	<u>10 Y</u> <u>3/A</u>	<u>biocasts</u>	<u>0</u>			<u>laminated med,</u> <u>(21cm to 0.6cm)</u>	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									



Expedition 341 S. Alaska Margin:

Site: 41418 Hole: F Core: SSR Section: 1 Top Depth: 0-150cm

Major Lithology: M-d 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								0-8 cm: fine silty	JM 6.7.13
10					○			8-9 cm: CaCO <sub>3</sub> cemented mud laminae (~0.8 cm thick)	
20			10Y 3/1					- laminated mud (~0.3 cm) with few dispersed diatomitic layers	
30			10					(~avg. 0.3 cm thick) fine grained	
40			5GY 3/1					limic	
50								45-105 cm: more massive mud (less lamination)	
60									
70									
80									
90									
100									
110									
120									
130								130-133 cm: CaCO <sub>3</sub> cemented mud	
140								134 cm: CaCO <sub>3</sub> cemented mud laminae (~0.4 cm)	
150									

Expedition 341 S. Alaska Margin:

Site: 41418 F Core: 55R Section: 2 Top Depth: 0-137cm

Major Lithology: M-d 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 6.7.13
10	SCRE						10	laminated mud (~0.5cm) with intervals of non massive mud (no diatomaceous layers).	
20						20			
30			10x 3/4						
40			10x 1/2						
50			10x 1/2						
60									
70									
80									
90									
100									
102.5								102.5cm: (100g cemented mud lamina (0.3cm))	
106								106cm: - - (0.8cm)	
110									
120									
130									
137								137-149cm: 1W	
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41418 F Hole: 55R Core: 3 Section: 0-144  
 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								laminated mud (0.1m to 0.4m)	JM 6.7.13
10			10% 3/1						
20									
30									
34-36								CaCO <sub>3</sub> cemented	
40								clast @ 44 cm, $\phi$ 0.8 cm, greenstone	
50									
60									
70			10% 3/1						
79.5								0.3 cm CaCO <sub>3</sub> cemented lamina	
80								CaCO <sub>3</sub> cemented lamina & patches @ 85.5 cm, 97 cm, 98 cm	
90									
100									
110								110-113 cm: graded/crossbedded (high)	
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 47418 Hole: F Core: 552 Section: 4 Top Depth: 0-148

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								laminated mud (21- to 0.4 cm)	JM 6.7.17
10			10Y					color varies between 10Y 3/1	
20			3/1		0			& 5GY 3/1	
30			to					very few dispersed clasts (no. 30-40 cm)	
40			5GY					37-39 cm: CaCO <sub>3</sub> cemented	
50			3/1						
60									
70									
80									
90									
100									
110					0				
120									
130			10Y					120-148 cm: massive mud	
140			3/1		slight			bioturbated	
150			to						
			5GY						
			3/1						

Expedition 341 S. Alaska Margin:

Site: L7418 F Hole: 55 R Section: 5 Top Depth: 0-152 cm

Major Lithology: h-d 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								0-35: massive mud with some structure	JM 6.7.18
10			10 <sup>+</sup> 3/A						
20			5.6X 3/A						
30									
35								35-152 cm: laminated mud (ca 1 cm to 0.5 cm laminae)	
40									
50									
60								CaCO <sub>3</sub> coated mud laminae 55-77 cm (lamin ~ 0.3 cm thick)	
70									
80								81-83 cm: concretion (fluvial?) high d/d	
90									
100									
110									
120									
130								131-133 cm: mud (high)	
140								CaCO <sub>3</sub> coated mud lamina (~ 0.5 cm) @ 142 cm	
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 55R Section: 6 Top Depth: 0-91

Major Lithology: md 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 6.7.17
10								0-70 cm: laminated mud (~0.2 cm), spacing increases & more massive mud	
20			10x 3/1						
30			lo		0			27-35 cm: graded (mudstone) (CaCO <sub>3</sub> -cemented mudstone @ 22-30 cm)	
40			N3						
50				Moderate bioturbation				49-57 cm: graded (mudstone)	
60									
70			10x 3/1					74-75 cm: flow in (loose)	
80			lo		55R			70-91: massive mud with some bioturbation	
90			N3						
100									
110									
120									
130									
140									
150									



Expedition 341 S. Alaska Margin:

Site: 41418 Hole: F Core: SSR Section: ca Top Depth: 0-10cm

Major Lithology: hd

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>hd</u>		<u>N3</u>	<u>brackets</u>	<u>5/8cm</u>			<u>hd massive with some bioturbation</u>	<u>JM 6.7.13</u>
10	<u>X</u>							<u>10-14cm - void</u>	
20	<u>PAL</u>							<u>14-20cm - PAL sample</u>	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41418 Hole: F Core: 56R Section: 1 Top Depth: 0-149

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								0-6 cm = full i-	JM 6.7.13
10								laminated mud (2-1- to 5-4)	
20					0				
30		0	10Y 3/1						
40									
50									
60								CaCO <sub>3</sub> cemented lamina @ 61cm	
70									
80									
90								CaCO <sub>3</sub> cemented lamina @ 91 & 95 cm	
100									
110		0	10Y 3/1		0				
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41478 Hole: F Core: 56R Section: 2 Top Depth: 0-135cm

Major Lithology: m-d

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									DM 6.7.13
10		/	10x 3/1	bioclastic (mod)	0			0-35cm: laminated md (no. 2cm)	
35									
40								35-135cm: massive md with some bioturbation + forams	
60			10x 3/1						
80				slight bioclastic	slight				
110								some pyritised structures @ 110cm	
135									
150									

Expedition 341 S. Alaska Margin:

Site: 47418 Hole: F Core: 56R Section: 3 Top Depth: 0-150cm

Major Lithology: S-d 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 with slight silt-turbation (0-43cm)	JM 6/7/13
10			10Y	slight siltclasts	slight				
20			3/1						
30			to 2.5Y 3/1	slight siltclasts					
40									
50								43-150cm: laminated mud (~0.2cm - 0.8cm)	
60									
70			10Y						
80			3/1					CaCO <sub>3</sub> -coated layer (76.5-78cm)	
90			to N3	moderate siltclasts	○			91cm: cracks (moderate)	
100								94-95cm: cracks, moderate	
110									
120									
130									
140								138-140cm: cracks, moderate	
150									

Expedition 341 S. Alaska Margin:

Site: 67418 Hole: F Core: 56R Section: 4 Top Depth: 0-130cm

Major Lithology: M-d 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								0-130cm - laminated mud (~0.2-0.8cm)	JM 6.2.13
10									
20			noy 3/1		0				
30									
40									
50									
60									
70								CaCO <sub>3</sub> -cemented laminae @ 69-72cm, ~0.3cm	
80			noy 3/1		0				
90									
100									
110								CaCO <sub>3</sub> -cemented laminae @ 109cm, $\phi$ 0.4cm	
120									
130								130-144cm: 1W sample	
140									
150									

Expedition 341 S. Alaska Margin:

Site: 67418 Hole: F Core: 56R Section: 5 Top Depth: 0-110cm

Major Lithology: md

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								laminated md (cont to 4)	JH 6.7.13
10			10Y 3/1		0			15.5-16cm: craked (high)	
20								25-27cm: craked (high)	
30									
40									
50									
60			10Y 3/1						
70									
80				slight to mod structure	0		SS (89)	md (with a ss - on ss (t))	
90									
100								101-105cm: craked high	
110									
120									
130									
140									
150									



Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 56 R Section: 6 Top Depth: 0-60c

Major Lithology: M-d

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 6.7.13
10					0			0-43c: laminated mud (~0.2m - 0.4m)	
20								7-10c: highly crushed	
30								25-28c: highly crushed	
40								43-60c: massive, slightly silty	
50								"old" pyritized burrow @ 50c	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 11418 Hole: 7 Core: 57R Section: 1A 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	mud		5Y4/1	100% disc.					AB, 07-06-13
10									
20									
30								some colour banding, 678	
40								5Y 3/1 (very dark greenish, 664)	
50									
60									
70					heavy		ss63	mud, no bio	
80									
90									
100									
110	unconsolidated							unconsolidated could be base of slump deposit. Bioturbate is so strong that the bedding is inside. brief interval of unconsolidated bioturbate.	
120									
130									
140									
150									

photo bed

Expedition 341 S. Alaska Margin:

Site: 006 Hole: 7 Core: SR Section: 2A Top Depth: 0-10

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	<u>und</u>		<u>5R4h</u>						<u>HB, 07-06-13</u>
10									
20				<u>bioturb.</u>	<u>heavy</u>				
30									
40									
50								<u>stop</u>	
60	<u>und</u>		<u>13</u>						
70		<u>5-6 cm bed - laminated</u>							
80									
90				<u>bioturb, heavy</u>					
100									
110									
120	<u>und</u>		<u>13</u>					<u>stop</u> <u>some color banding 13-120</u>	
130					<u>heavy</u>				
140									
150									

Expedition 341 S. Alaska Margin:

Site: 1148 Hole: 9 Core: 57R Section: 3A Top Depth: 0-149

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		N3			pebbles			LB, 07-06-13
10				bioturb. mud.				- solst. } pebbles 11cm, subrounded - siltst. }	
20									
30									
40	mud		N3						
50		parallel laminated							
60									
70				bioturb. clay					
80									
90									
100									
110	mud	parallel lam.	N3						
120					fish				
130									
140	mud								
150									

Expedition 341 S. Alaska Margin:

U1418

F

57R

4A

797.97m 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:
									Childress	July 6 2013
0										
10										
20	mud		N3		mod.					
30				B I S C O I T (slight to mod)						
40										
50										
60										
70										
80										
90										
100					none					
102					heavy					
110								SS114 - mud, no bio		
120										
130										
134										
140										
149	OJIM						OJIM			
150										

Expedition 341 S. Alaska Margin: W41B F 57R 5A 799.46m CSF-A  
 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: Childress	Date: July 6 2013
0	mud		N3		heavy	>2mm ↓				
10										
20										
30										
40										
50										
55				B I S C U I T (slight to mod.)		45.5				
60	greenish silt									
65										
70			N4							
75	mud w/ silt									
80		FAR LAM. + COLOR BANDS						-greenish gray color bands (mm to 1cm thick)		
90								- thin a few silt laminae present		
100					none					
110						106.5cm - 5mm granite				
120							SS119	mud, no bio.		
130										
140										
147	END									
150										



Expedition 341 S. Alaska Margin: U1418 F 57R 6A 800.93m CSF-A

Site: U1418 Hole: F Core: 57R Section: 6A Top Depth: 800.93m

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									
10	mud w/silt	PAR. LAM + COLOR BAND	N4	B. I. S. C. U. T (Slight)	none	>2mm ↓		-a few thin laminated silt layers.	Childress July 6 2013
28.5									
30			N3		heavy				
40						42			
50	mud								
60									
70					mod				
80									
90									
100	END			PAR. LAM + COLOR BAND					
103									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 F 57R CC-A BDL. 96m CSF-A  
 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: Childress	Date: July 6 2013
0	mud	PAR. LAM.	N3	DRILLING DISTURBANCE (5-10cm)	none	absent		- thin laminated silt present		
10										
13										
18	PAL						PAL			
20										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: U1478 Hole: 9 Core: 58R Section: 1A Top Depth: 0-151

Major Lithology: mud Minor Lithology: interbedded silt + mud, siltst.

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>		<u>N3</u>	<u>mud</u>					<u>AB, 07-06-13</u>
9	<u>SILTST.</u>		<u>N3</u>					<u>chasp.</u>	
10	<u>interb. silt + mud</u>		<u>N3</u>					<u>with 4 laminae 0.5cm of carbonate cemented mud between 14 + 24 cm</u>	
20								<u>calcareous rich mud</u>	
30		<u>small laminae</u>							
40									
50									
60									
70								<u>transitional</u>	
71	<u>mud</u>		<u>N3</u>			<u>found</u>			
80									
90									
100									
110		<u>parallel laminae</u>							
120									
130								<u>basalt carbonate granule</u>	
140									
150									

Expedition 341 S. Alaska Margin:

Site: *MS 9* Hole: *SR 22* Core: *P-115* 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	<i>mud</i>		<i>N3</i>						<i>AB, 07-06-13</i>
10									
20									
30		<i>parallel lam.</i>							
40				<i>basal mud to lics</i>	<i>slight to mud</i>				
50									
60									
70									
80									
90								<i>stop</i>	
91	<i>interb. silt + mud</i>		<i>N3</i>						
100		<i>parallel lam.</i>		<i>basal lics</i>					
110									
120									
130									
140	<i>mud</i>								
150									

Expedition 341 S. Alaska Margin:

Site: 11418 Hole: F Core: 38R Section: 3A Top Depth: 0-150

Major Lithology: mud Minor Lithology: shale, 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	<u>fine silt + mud</u>	<u>parallel lam.</u>	<u>N3</u>	<u>bioturb. list</u>	<u>bioturb.</u>				<u>AB, 07-06-13</u>
10	<u>mud</u>								
20									
30									
35							<u>sharp contact</u>		
40	<u>mud</u>		<u>5S/3/2</u>						
50									
60				<u>bioturb. mud</u>	<u>heavy</u>				
70									
75							<u>sharp</u>		
80	<u>mud</u>			<u>bioturb. mud</u>					
90		<u>parallel lam.</u>			<u>bioturb.</u>				
100									
110									
120	<u>mud</u>		<u>5S/3/2</u>					<u>gradational</u>	
130									
140					<u>heavy</u>				
150									

Expedition 341 S. Alaska Margin:

U141B

F

5BR

4A

807.65m 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:
									Childress	July 6 2013
0			5G 4/1		mod.					
10	mud									
20										
30										
40			N3							
50										
60					slight					
70										
80						16-1cm volcanic				
90										
100	mud w/ silt	PAR. LAM.	N4		none					
110		PAR. LAM.								
120	mud				mod					
130										
140					none					
150	mudily silt		N3							



Expedition 341 S. Alaska Margin: U141B F SBR SA 809.14m 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, <del>plasts</del> , etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: July 6 2013
0	mud		N3		slight					
10					mod.					
20			N4					19.5: pyritized burrow		
30										
40										
50										
60										
70										
80										
82.5										
85	ASH		10Y 6/1				SS84	all ash, vitric, well sorted		
87.5			5G 4/1				SS86	} disturbed contacts		
89			10Y 7/1				SS89			
90			N4							
100	mud					100 (> 2mm)				
110										
112	inter-bedded mud & silt		N3							
120								thin silt laminae @ 1-5cm intervals		small scale laminae not necessarily silt?
130										
140										
150										

Expedition 341 S. Alaska Margin: 01418 F 50R 6A 810.64m 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, fossils, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: July 6 2013
0		PAR. LAM.	N3			>2mm ↓				
10	inter-bedded silt; mud			B-S-S-C-O-I-T	slight					
20				(slight)						
24										
30										
40	Mud				mod.					
50								6cm sand patch (5cm)		
52		PAR. LAM.								
60					slight					
70										
80										
90										
97	calc. rich									
98								97-98 cm: calcareous rich siltstone, N7		
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

U1418

F

5BR

CC-A

811.62m CSF

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: July 6 2013
0	mud	PAR. LAM.	N3	CRACK med	slight	absent		⇒ orbiscuit		
10	PAL						PAL			
20										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: LINK 18 Hole: F Core: SR Section: 7 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								0-7 cm : fab. in, washed	JM 7.7.13
10								- laminated mud (0.1-0.6 cm)	
20			10x 4/1		○			with thin (1-2 cm) silt laminae + thin diatom laminae (~1 cm)	
30								+ intervals of coarse massive mud (incl. some right bioturbation)	
40								- silt laminae ~ 10x 5/1	
50									
60									
70							(SS) 74	mud (15% silt)	
80									
90									
100					○				
110								109-115 cm - washed (highly disturbed)	
120								121-124 cm - 2 quadrants washed (highly disturbed)	
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 47418 F Hole: 59 R Core: 2 Section: 0-135 cm Top Depth:

Major Lithology: M-d 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			10Y 4/1		0			0-16 cm: laminated mud (clay to 4 cm)	JM 7.7.13
10								8-11 cm: mottled (light dol)	
20								14-16 cm: ...	
30								16-46 cm: massive mud with dispersed clasts (clast-poor diam. < 1 mm) + siltification - burrows (empty)	
40									
50								46-135 cm: laminated mud (with higher silt (clay - ac (see thick)))	
60			10Y 4/1					(1-4 cm laminations)	
70			10Y 4/1					67-70 cm: graded (mud)	
80			10Y 4/1					76-78 cm: ...	
90								unconformity @ 80 cm	
100								94.5-95 cm: cored mud	
110			10Y 4/1					95-97 cm: graded (mud)	
120									
130									
140							135		
150							150		

Expedition 341 S. Alaska Margin:

Site: 47418 F Hole: 59R Section: 3 Top Depth: 0-150cm

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								0-150cm: faciated mud (~0.3cm) with some bioturbation	JH 7.7.13
10								faciated (~1cm) & intervals	
20			10Y 4/1		0			bioturb. clasts (fine to med. grained clasts) with very gradual boundaries	
30			10Y 4/1						
40			10Y 5/1						
50			10Y 3/1						
60									
70			10Y 4/1				SS (76)	clayey mud	
80									
90									
100					0				
110								114-125cm: mud with dispersed clasts (diam. 0.15cm)	
120									
130									
140									
150								fine grained / silty laminae (~0.2cm)	



Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 59R Section: 4 Top Depth: 0-150 cm

Major Lithology: med 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								0-21 cm: broken (moderate to high) (old) laminated med with few silt laminae (new)	DM 2.7.12
10			10Y 4/1		○			12-17 cm: ice-rafted blocks (4 cm) med	
20									
30									
40								38-132 cm: massive bioturbated med (w/ fine silt)	
50			10Y 4/1				SS (5+)	very silty (med with silt) (25%); low-shale top	
60			6						
70			10Y 3/1						
80									
90									
100								98-102 cm: diamicitic (clast poor) gradational sandstones	
110									
120									
130									
140			10Y 3/1		○			132-146 cm: laminated med (w/ 0.3) with silty laminae	
150					slight			146-150 cm: bioturbated, diamicitic med	

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 59R Section: 5 Top Depth: 0-146

Major Lithology: M-d 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			10Y		slight			0-13 cm: dia-schist mud (last poor), gradational boundaries	JM 7.7.13
10			3/1	65cm				fine grains (fine to coarse)	
20					0			13-37 cm: laminated mud (~0.3 cm) with few silt laminae (~1 cm)	
30			10Y					37-70 cm: cradled (moderate to high)	
40			3/1					34-55 cm: dia-schist mud (mud with dispersed clasts), grad. boundaries	
50								55-146 cm: laminated (~3 cm) mud with few dia-schist laminae (~0.5 cm)	
60			10Y					57-62 cm: plastic (moderate)	
70			3/1					77-81 cm: - - - + crack	
80			6						
90			10Y		0				
100			4/1					100-120 cm: cradled (slight)	
110									
120									
130								130-134 cm: cradled (high)	
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41418 Hole: F Core: 592 Section: CC Top Depth: 0-29cm

Major Lithology: M-1

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 7.7.12
10	und		10% 4/1	/	clay			und (massive) with spherulites 6-22 cm: bubble, non-reducible → destroyed	
20	und								
30	PAL						29- 34		
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41418 F Hole: 60R Section: 1 Top Depth: 0-146 cm

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								0-6 cm : washed / fall in?	JM 6.7.13
10								0-146 cm : Silt-saturated mud (gas bubbles)	
20			10Y 4/1					- few small nodules	
30			10 5G4 4/1					slightly laminated at the top	
40								30 cm (< 1m thick laminae)	
50									
60									
70									
80				(slight to moderate) bioturbation	moderate		SS (P3)	→ calc. sandy mud (sandy)	
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1428 F Hole: 60R Section: 2 Top Depth: 0-147c

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							SS (25)	0-130c: bioturbated mud	JM 6.7.13
10								ash - brown fine	
20			10Y 3/1					agglut, sand sized silt. to	
30			to				SS (26)	hole - with mud (sandy) = brown green layer (silt = glass ash)	
40			10Y 4/1						
50	mud		to						
60			10GY 3/1						
70									
80									
90									
100								101-102c: crack (light)	
110								foram @ 112c	
120			green indistinct					114-117c: flow, grade, green indistinct @ 115c, 130c	
130								clasts @ 126c	
140								130-147c: laminated mud + diamic layer (~0.3c), dark laminae = carbon	
150									

Expedition 341 S. Alaska Margin:

Site: L1418 Hole: F Core: 60R Section: 3 Top Depth: 0-113cm

Major Lithology: med 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 6.7.13
10			10Y 3/1	↓				dia-cts (clast-poor) with fine to coarse grains alternate with laminated (no. 4cm) med	
20									
30								→ color variations 10Y 4/1 to 2.5Y 3/1 to 5GY 4/1, 10Y 3/1	
40									
50									
60									
70									
80									
90								ogit bed burrow? at crack	
100									
110									
120							113 131	calicied phen in 1st sample	
130									
140									
150									



Expedition 341 S. Alaska Margin:

Site: 41418 F Hole: 60R Section: 4 Top Depth: 0-143cm

Major Lithology: m-d

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			10Y 3/1		0			0-17cm: laminated mud	JM 6.7.13
10			10Y 3/1		0				
20			10Y 3/1		0			17-43cm diamict (clast-poor) fine to coarse + low silt (mudstone, pyritized, greenish)	
30			10Y 3/1		0				
40			10Y 3/1		0			sandstone @ 37-39cm, $\phi$ 3cm, well rounded, fine to medium grained	
50			10Y 3/1		0			43-105cm: color banded, laminated mud (N0.2 - 0.5cm)	
60			10Y 3/1		0				
70			10Y 3/1		0				
80			10Y 3/1		0				
90			10Y 3/1		0				
100			10Y 3/1		0				
110			10Y 3/1		0			105-143cm: massive mud with diamict. clast 117.5cm, $\phi$ 0.5cm, granitic	
120			10Y 3/1		0				
130			10Y 3/1		0				
140			10Y 3/1		0				
150			10Y 3/1		0				

Expedition 341 S. Alaska Margin:

Site: W1418 Hole: F Core: 60R Section: 5 Top Depth: 0-107cm

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 6.7.13
10			10Y 3/1					0-80 cm: massive mud with diatoms (fine to coarse), foraminifera ~ 0.4 cm pyritised brown @ 11 cm	
20			to					diatom intervals = very gradual boundaries	
30			N3	slight siltification	slight				
40									
50									
60									
70							SF (76)	calc. bearing mud (cemented!) with 5% sand	
80			10Y 3/1					80-107 cm: laminated mud (1-6 cm)	
90		slight color staining	to		0				
100		slight to moderate	N3	slight to moderate					
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41417 Hole: F Core: 60R Section: CC Top Depth: 0-12c

Major Lithology: *md* 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			10Y 3/A	6:50/1r	0			laminated mud (~0.6 cm)	JM 6.7.13
10									
20	PAL						12 12		
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 1248 Hole: 9 Core: GIR Section: 1A Top Depth: 0-146

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>		<u>N4</u>						<u>HB, 07-06-13</u>
10		<u>parallel lam.</u>							
20									
30	<u>005 mud</u>		<u>N4</u>			<u>1080 02 present</u>		<u>sharp</u> <u>1. sandstone, 2. &amp; 3. calc. stone, 4. granite</u>	
40					<u>heavy</u>			<u>granules</u> <u>subang. to</u> <u>grad. subrounded</u> <u>pebble, 1.5 cm</u> <u>subang.</u>	
50	<u>mud</u>		<u>N4</u>						
60		<u>parallel lam.</u>							
70									
80									
90	<u>mud</u>		<u>N4</u>		<u>mud</u>			<u>sharp</u>	
99									
100			<u>N4</u>					<u>sharp</u> <u>plasp</u> <u>sand (stone)</u>	
101	<u>mud</u>		<u>N4</u>					<u>sharp</u> <u>sand + H.M.</u>	
110		<u>parallel lam.</u>							
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 11418 Hole: F Core: GIR Section: 2A Top Depth: 0-149

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	wood	P.L.	N4						HB.07-06-13
10	wood		N4					gradational	
20	wood		N4	bioturb					
30		parallel lam.							
40									
50								gradational	
60	wood		N4		wood				
70	wood	parallel lam.	N4	bioturb wood				gradational	
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U410

F

61R

3A

835, 24m 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: Chilcress	Date: July 6 2013
0	mud	P.L.								
9	sand		N4					sandstone clast, $\phi$ 3cm		
13										
20	mud	PAR LAM. + COLOR BAND		B I G C W I T (slight)	slight			greenish gray color bands (mm to 1cm thick)		
30										
48										
50			N3		mod					
60							SS63	mud, no bio		
70										
80										
90										
95										
98	mud	PAR LAM.	N4		slight					
108	mud		N3							
111										
120	IW						IW			
128	END									
130										
140										
150										



Expedition 341 S. Alaska Margin:

U1410

F

G1R

4A

836.52m 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: July 6 2013
0			N3							
10					slight					
20		PAR. LAM.								
28	mud					absent				
30			N4	(slight)				32-36: crack destroyed		
40					mod					
50			N3							
60					slight					
70		PAR. LAM. + COLOR BAND	N4					greenish gray color bands (mm to 2cm thick)		
79	END									
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1418 F 61R CC-A 837.31m 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:
									Childress	July 6 2013
0	mud	PAR. LAM. + COLOR BAND	NH		slight	absent		- greenish gray color bands (mm to 5mm thick)		
10	PAL						PAL			
14										
20										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: 11412 Hole: 9 Core: 62R Section: 1A Top Depth: 0-136

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						HB, 07-06-13
10									
20									
30					heavy				
40								sharp	
50	mud		N4						
60		parallel lam			light				
70									
75				disturb mud				sharp	
80	mud		N4		heavy		SX	mud	
90								sharp	
93	mud		N3						
100		parallel lam							
110									
120								sharp	
123	mud		N4		heavy				
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 11415 Hole: F Core: G2R Section: 21 Top Depth: 0-126/143

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		U4						AB, 07-06-13
10					heavy				
20									
30								sharp parallel lam, 53/32, mud	
35	mud		U3					sharp	
40									
50									
60				poorly sorted mud.	heavy				
70									
80									
90									
100									
110									
120									
130	mud								
140									
150									

Expedition 341 S. Alaska Margin: U1410 Site: F Hole: 62R Core: 3A Section: 344.78m 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: July 6 2013
0										
10										
20	Mud		N4	1-5-30 slight	heavy	absent				
30										
40							S40	mud, no bio		
50										
60										
70										
80										
90										
100										
110										
120	END									
130										
140										
150										

Expedition 341 S. Alaska Margin:

U1418

F

62R

4A

246.00m 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: July 6 2013
0						2mm ↓				
10	mud		N4	B I S C O L I T (light)	heavy					
20										
30										
40										
50										
60										
70										
80										
90	92 mud w/SH					95				
100						99-1.5cm argillite				
110	114 END									
120										
130										
140										
150										



Expedition 341 S. Alaska Margin:

U141B Site: F Hole: 62R Core: CC-A Section: 847.14m 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:
										Childress	July 6 2013
0	mud w/ silt		N4		mol.	>2mm					
6											
10	mud w/ dispersed clasts			CRACK (in wd.)	none	7- calc. bearing pebble (3cm)					
15						15- 2.5cm conglomerate					
20	PAL						PAL				
24											
30											
40											
50											
60											
70											
80											
90											
100											
110											
120											
130											
140											
150											

Expedition 341 S. Alaska Margin:

Site: 11415 Hole: 9 Core: 63R Section: 1A Top Depth: 0-150

Major Lithology: interbedded mud + silt 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: Date:
0			N3						AB, 07-06-13
10	interbedded mud and silt	↑						with prominent muddy silt laminae (NS)	
20									
30									
40							CS4 silt		
50									
60									
70									
80									
90	mud		N3						
100									
110									
113	CS4		N5					silt stone!	
120	interbedded mud + silt		N3			present of		most colored granular	
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1418

F

G3R

2A

853.20m CSF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: inter-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: Childress	Date: July 6 2013
0	IBSM		N3		none					
4										
10	mud		N4	B I S C O I T (mud)	heavy					
13.5			N3		slight					
20	inter-bedded silt & mud (IBSM)	+ color BANDS						greenish gray color bands (mm to 1cm thick)		
30								36cm: small fault		
40										
48	irregular sandstone		N4		X					
52										
60			N3							
70	IBSM	+ color BAND			slight					
80										
83										
90	mud		N3		heavy					
97										
100	IBSM				none					
104										
110	mud		N4		heavy					
119	END									
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: W410 F 63R 3A 854.39m 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: July 6 2013
0										
10	mud w/silt		N4	B I S U I T (mod)						
20										
30					heavy	absent				
43	irregular sandstone calc. bean				none					
46	mud				heavy					
50	inter-bedded silt & mud		N3		slight					
57								54.5 - Zoophycos burrow		
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 63R Section: cc-A Top Depth: 854.96m CSF-A

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: July 6 2013
0										
10	mud		N4	SS-T (slight)	heavy	absent				
30	PAL						PAL			
35										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										



Expedition 341 S. Alaska Margin:

Site: U418 Hole: 7 Core: 64R Section: 1A Top Depth: 0-136

Major Lithology:  Mud Minor Lithology: interbedded silt + mud, sandstone

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		N3						18, 07-06-13
10									
20									
30									
39									
40								remnant of a sandstone layer,	
42								calcareous silt., (N7)	
50									
60									
60							559	mud, no bio	
70	W/bed silt + mud		N3					gradational, burrowed	
80								silt laminae NS	
90									
100	Calcareous mud		N7					Calcareous silt., fragm. bioturb	
110			N3						
120		parallel lam.							
130									
140									
150									



Expedition 341 S. Alaska Margin: U1418 F 64R 2A 862.76m 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									Childress July 6 2013
10	mud	PAR. LAM.	N3	B I S S U T (high)	slight				
28 32	calc. b. siltstone		N7		none	absent			
	mud		N3						
38 42	calc. b. siltstone		N7		none				
	mud		N3						
48 52	calc. b. siltstone		N7		none				
	mud	PAR. LAM.	N3						
60	END								
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U141B R 64R CC-A B63, 36m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: Calc. Rich Interbedded Muds 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:
									Childress	July 6 2013
0	calc. rich inter-bedded clay & mudstone		N3	PA-BE (B. H.)	Slight	absent	SS6	calcareous rich mud		
10								intervals of calc. rich are lithified		
17										
20	PAL						PAL			
22										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: U118 Hole: 7 Core: 65R Section: 1A 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	Mud		N3	VOID CRACK					
10	Mud		N3						
20	W. disp. clast							- clast max. granule size, commonly medium sand.	
30								- clast arranged in the laminae and laminae	
40									
50									
60									
70									
80									
90									
100									
110	Sandy mud		N3					Sharp	
120	Mud p	Parallels	N3					Sharp	
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1418

F

65R

2A

872.60m CSF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: Mud (N3, N4)

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:
									Childress	July 6 2013
0										
10	mud w/silt	PAR. LAM.	N3					-laminae are silty mud		
20				B I S C U I (med. to high)	none					
30								29-34: fault		
40						absent				
46.5										
50	mud				mod.					
60										
70		PAR. LAM.			grad. none					
79	irregular siltstone		N4							
83										
90	IW						IW			
97	END									
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1418 F 05R 3A 873.57m 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:
									Childress	July 6 2013
0										
10	mud	PAR. LAM.	N3			7cm - 22cm				
20				B I S U I T						
30	grad. silt		N4	(mod to high)	none		S221	finesand		
34										
40	mud	PAR. LAM.	N3							
50										
60	END									
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1410 F 65R CC-A 874.17 m CSFA  
 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>Childress</u>	Date: <u>July 6 2013</u>
0	<u>calc. bearing siltstone</u>		<u>N7</u>	<u>8 (not to 11.6 H)</u>	<u>none</u>	<u>absent</u>				
	<u>mud</u>	<u>PAP, LAM.</u>	<u>N3</u>							
10										
12	<u>PAL</u>						<u>PAL</u>			
17										
20										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										



Expedition 341 S. Alaska Margin:

Site: MUS 9 Hole: GER Core: 1A Section: 0-99

Major Lithology: mud Minor Lithology: clast. & muddy diamict, w/ shells

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		N3						AB, 07-06-13
10									
20		parallel lam.							
30									
40	*		N4						
50	sub-silty mud		N3					clast. & muddy diamict angular rip-up clasts (shells) fine-grained fragments (coarse sand)	
60								silty mud	
70	mud	parallel lam.							
80									
90								csB mud	
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U142 Hole: ♀ Core: 66R Section: CC Top Depth: 0-18

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>		<u>N3</u>	<u>heavy</u>					<u>HP, 07-06-13</u>
10									
20	<u>PA</u>								
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 F 67R 1A 890.50m 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, <del>clasts</del> , etc.)	Samples	Core Description: comments, contacts, recommended photos, other	
								Logged by:	Date:
0	mud		N3	B - C C - T (mod. to high)	none	absent			Childress
5	calc. b. Sandstone		N7						
10	mud		N3						
20	PAL						PAL		
21									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 11415 Hole: 9 Core: GSR Section: 1A Top Depth: 0-126

Major Lithology: mud

Minor Lithology: muddy clay, red diamict, siltst.

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	muddy clay red diamict		N3					with abundant mud rip-up clasts	HB, 07-06-13
10								sharp	
13								gradational	
17	mud		N3					with abundant mud rip-up clasts	
20									
30								sharp	
31	mud		N3						
40									
50									
60									
70									
80									
81								sharp	
88	siltst		N4					sharp	
90	mud		N3						
100									
110									
120								sharp	
122	mud		N3					siltstone	
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 F 68R 2A 701.46m 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: July 6 2013
0										
10	mud	PAR. LAM.	N3	CORRAL (light)	light	absent		0-16: extremely D.D.		
20										
25										
30				BISCUIT (light)	mod.					
40										
50	END									
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

U141B

F

68R

CC-A

901.97m 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: July 6 2013
0	mud		N3	PS-COIT (slight)	slight					
8										
10	PAL						PAL			
13										
17	siltstone		N7							
20	END									
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										



Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 69R Section: 1 Top Depth: 0-148cm

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								- just massive wd (clayey) with some laminations (1-5cm)	JM 7.7.13
10			10Y 4/2		0				
20									
30								26-41cm : slightly bioturbated wd	
40								clast @ 44cm, 2cm granitoid	
50								2 clasts @ 58 & 59cm : black chert + granitoid (x 0.3cm)	
60								fault @ 60cm (ext. rinal)	(is. 4H)
70			10Y 4/2						
80								fault @ 86cm	
90									
100									
110								silt laminae (very fine sed) @ base ~ 0.2cm	
120									
130									
140							SS (140)	clayey wd	
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 69R Section: 2 Top Depth: 0-122cm

Major Lithology: md

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									JH 7.7.13
10			10% 4/2	↓ Slight to moderate disturbance				0-122cm: massive mud with some laminations (1-5mm)* and some intervals of slightly silted mud (57-60cm)	
20			to						
30			N.4						* slightly coarser (silty) laminae
40									
50									
60									
70									
80								fault @ 82cm, Abschiesy	
90								} some silty/brn sand intervals (~ max. 1cm)	
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 69R Section: 3 Top Depth: 0-750

Major Lithology: red

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 red w/ some silty laminae (~0.4m thick)	JH 7.7.13
10			10x 4/2		○				
20									
30									
40			10x 4/2		○			sharp structure @ 45cm → ash horizon!	
50								fault @ 52cm & 58cm (extensional)	
60							SP (66)	fine grained w/ volcanic ash (trace, red)	
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41418 Hole: F Core: 69R Section: cd Top Depth: 2.14c

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									
10									
20	<u>PAL</u>						<u>14-20</u>	<u>Mud (white)</u> <u>Calc + flour - @ 6cm (white)</u>	<u>JM</u> <u>2.7.13</u>
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: L1418 Hole: F Core: 70R Section: 1 Top Depth: 0-106

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				<i>disturbance</i>				0-10cm: fall - sandstones	JH 7.7.13
10								10-34cm: massive, twisted	
20				<i>4.9.4</i>					
30									
40								34-106cm: chaotic / twisted / sheared mud (flow structures)	
50			10x 3/1	<i>to moderate disturbance slight features</i>			SS (57)	(~ like micro-solifluction) Lithostro-m can be like a slurry deposit	
60			to N3					this lower part consists of sediments which were cohesive when the slurry deposition occurred	
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 97418 Hole: F Core: 70R Section: 2 Top Depth: 0-12

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								chaotic structure (→ like liquidified & sorted), flow/shear-like	JM 7.7.13
10			10Y 4/1					← clayey mud & silty mud mixed	
20								→ clay	
30			10				SS (32)	0-22: microbacterial deposit, probably fractured, color grey mud to	
40									
50			10Y 3X					51-53 ← highly disturbed/cracked	
60									
70								This interval contains (5) like coloured red/brown mud with some normal faulting (at right side of bore)	
80									
90									
100									
110									
120									
130									
140									
150									



Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 70 Section: CC Top Depth: 0-220

Major Lithology: *sd*

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			no 3/1	50% 3/1	?			chaotic structure flow-like clayey - a mixed with silty	JM 2.7.13
10									
20	<u>PAL</u>						22 LP	slump deformed cohesive mud, again with light colored laminae (rigid) which show vertical flow sig. <i>HP</i>	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 71R Section: 1 Top Depth: 0-150cm

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				<i>Exp</i>				0-26 cm: siltite (highly graded) L-d	JM 7.7.13
10								26 - 150 cm: mix of mud with siltite	
20			10Y						
30			3/1						
40			6					greenstone clast	
50			5G						
60			3/1					sandstone clast (Ø 1 cm)	
70								interbedded mud and silt- stone diamict	
80								shale dip increasing south	
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 47418 F 31 R 2 Hole: 0-122c Core: Section: Top Depth:

Major Lithology: Mud Diarict 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 & diarict mixed together → clast-rich diarict	JM 2.7.13
10					○				
20								- flow structures fine to coarse + pebbles of all kinds litter	
30			10K						
40			3K						
50			N3					interbedded mud and diarict, slump deformed	
60			10						
70			4K						
80					○				
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1418 F 71R 3 0-68

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud, Diamic 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			5G						JM 7.7.13
10			3A					fine grained mixed with mud (silted mud)	
20			N3	drilling				interbedded mud and diamic, sharp deposit	
30			N3	drilling					
40			5G						
50			3A						
60			N3					diamic (57-68) with sandstone, & other clastic fragments, sharp upper boundary	
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41418 Hole: F Core: 712 Section: CC Top Depth: 0-9

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									JM 7.7.13
10	① PAL	/	N3	5.1cm	0	9-14		di-ict (clast-rice) + pebble	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Major Lithology: Inter-bedded mud & diamict 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: July 7 2013
0										
10										
20										
25							SS24	silty mud (15%) diamict intervals are clast rich		
30								* clasts include rhyolite, volcanics, siltstone/sandstone, (greenstones) argillite, quartz, granite		
40	inter-bedded mud & diamict		N3	Bioturb. (mod. to high)	absent			* mud has flow deformation (churned) (21-25 cm) ↗		
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150	END									



Expedition 341 S. Alaska Margin:

Site: U1418 Hole: F Core: 72R Section: 2A Top Depth: 940.48m CSF-A

Major Lithology: Mud

Minor Lithology: CLAST-POOR DIAMICT (SANDY)

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									Childress July 7 2013
10								5cm normal faulting	
20								mud has churned, flow deformation	
30	mud	DEFORMED	N3		none				
40									
50									
60									
70	gradationally sandy clast-poor diamict	irregular						ss70 diamict clasts include volcanics (greenstones) + others too small to categorize	
75	END							muddy sand	
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1418

F

72R

CC-A

941.23m CSF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: CLAST-RICH DIAMICT

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: July 7 2013
0	CLAST-RICH DIAMICT		N3	crack	none			diamict clasts include volcanics (greenstones, siltstone, argillite, quartz)		
10	PAL						PAL			
20	gneiss									
13										
21										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										