

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: 2R Section: 1A Top Depth: 0-95

Major Lithology: clast-rich 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			N3						NB, 07-14-13
10								massive, not stratified, etc.	
20								clast	
30								sandstones 10	
40								siltst. 3	
50							ss50	sandy silt	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U426 A 2R 2A 0-57
 Site: Hole: Core: Section: Top Depth:

Major Lithology: dark red, muddy 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	↙		N3						AB, 07-14-13
10								granite 1	
20								basalt 1	
30								siltst III	
30								siltst II	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1420

A

2R

CC

0-17

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology:

clst. mid muddy dr. unit

Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	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					siltst. 11 selst. 1	AB, 07-14-13
10									
15	PAL								
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology:

last-ice muddy 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: Date:
0			N3					siltst III III basalt III sdst II vein gtz granite I	HB, 07-14-13
10									
20									
30							ss30	sandy silt with forams	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1420 A 4R CC 0-32
 Site: Hole: Core: Section: Top Depth:

Major Lithology: clast-rich muddy 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: Date:
0			N3					siltst 11 granite 1 sdet 1 basalt 1	HB, 07-14-13
30	PAL								
100									
150									

Expedition 341 S. Alaska Margin: U1420 A 5R 1A 38.20m CSF-A
 Site: Hole: Core: Section: Top Depth:

Major Lithology: Silty, CLAST-POOR, 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 14 2013
0										
10	silty clast-poor diamict		N3		none	present				
20										
30							SS20	clasts: siltstone, sandstone, granitoid, basalt; up to 2.5cm sandy silt		
40										
50										
54				VOID						
60	IW						IW			
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

U1420

A

5R

CC-A

39.40m CSF-A

Site:

Note:

Core:

Section:

Top Depth:

Major Lithology: Silty CLAST-RICH DIAMICT

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:	Date:
									Childress	July 14 2013
0										
10	silty clast-rich diamict		N3		none	present		-clasts include: granitoid, sandstone, siltstone, up to 3cm		
30							PAL			
35							PAL			
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1420 A GR CC-A 48.50 m CSF-A
 Site: Hole: Core: Section: Top Depth:

Major Lithology: MUDDY 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 14 2013
0	muddy clast-rich diamict		N3		none	present		-clasts; siltstone, sandstone, metasiltstone		
13	PAL						PAL			
17										
20										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

U1420

A

7R

CC-A

50, 20m CSF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: n/a

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 14 2013
0	X			see note		6 cm calc. ls. siltstone		- all matrix (major lithology) washed away/not recovered		
7										
10										
20										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Major Lithology: no 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 14 2013
0	mud		N3	chewed	none	absent				
10	X		X	see note ↓		8 clasts > 2mm		clasts: sandstone, slate; up to 4 cm		
20								all matrix (major lithology) washed away (not recovered)		
30	X		X			5 clasts > 2mm		clasts: argillite, ^{meta} sandstone, volcanic, up to 6 cm		
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1420 A 9R CC-A 73.40m CSF-A
 Site: Hole: Core: Section: Top Depth:

Major Lithology: No MAJOR Lth. 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:
									Childress	July 14 2013
0										
10	mud w/ dispersed clasts		N3		none	5, >2mm clasts: sandstone, argillite, siltstone, volcanic				
20	X			WASH		4 clasts, >2mm	11cm metasiltstone + sandstone (pebble)			
33	PAL									
38	X			WASH		5cm siltstone				
41										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

U1420 A 10R 1A 0-35c
 Site: Hole: Core: Section: Top Depth:

Major Lithology: gravel

Minor Lithology:

Offset (cm)	Lithology	Sed Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0								matrix washed away while drilling	JM 15.7.13
10								pyrite bearing (meta?) gray calc. 9x6 cm	
20								chlorite bearing (meta?) siltstone; 11x6 cm; greenstone	
30								sandstone; 9x6 cm; fine grained	
40								siltstone; 3x2 cm	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

41420

A

MR

1A

0-18cm

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology:

Gravel

Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0								matrix washed away while drilling	JM 15.7.13
10								→ medium to coarse sandstone (pinkish), 9x3cm	
20								→ calcareous bearing metasilstone? 7x3cm, greenstone	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: 12R Section: 7A Top Depth: 0-95

Major Lithology: Gravel Minor Lithology: _____

Offset (cm)	Lithology	Sed. Structures	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 15-7-17 matrix washed away while drilling → 9x3cm, white bearing? green metasediment (with stone?)	
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: L1420 Hole: A Core: TRR Section: 1A Top Depth: 0-59cm

Major Lithology: Gravel Minor Lithology: _____

Offset (cm)	Lithology	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>JM</u> Date: <u>15.7.13</u>
0								Water washed away while drilling	
10								→ fine siltstone, 6x4c	
20								→ silt/very fine sandstone, 8x5c	
30								→ coarse grained granite, 4x4c	
40								→ siltstone (with bioturbation burrows?); 9x6c	
50								→ coarse grained diorite, mica rich	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: 14R Section: 1A Top Depth: 0-37c


Major Lithology: Gravel Minor Lithology: _____

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0								matrix washed away while drilling	JM 15.7.13
10								siltstone, 7x6c	
20								coarse grained diatom mica-rich; 6x6c	
30								gravel of quartz, siltstone	
40								silt/or very fine sandstone, 9x6c	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: 15R Section: 1A Top Depth: 0-10

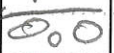


Major Lithology: Gravel Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0								gravel of laminated siltstone, siltstone chlorite staining metamorphic rock, matrix washed away while drilling	JM 15.2.13
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 47420 A Hole: 76R Core: 1A Top Depth: 0-21cm

Major Lithology: Gravel Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0	PAL								JM 15.7.13
0-10								→ siltstone gravel	
10-15								→ siltstone	
15-20								→ pyrite bearing siltstone (or very fine grained sandstone)	
20-30									
30-40								matrix washed away while drilling	
40-50									
50-60									
60-70									
70-80									
80-90									
90-100									
100-110									
110-120									
120-130									
130-140									
140-150									

Major Lithology: Major Lith. not Recovered Minor Lithology:

Offset (cm)	Lithology	Sed. 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 15 2013
0	X					2 clasts > 2mm		Small bit of muddy matrix attached sandstone		
10	mud w/ abundant clasts		N3		none	14 clasts > 2mm		siltstone, sandstone, igneous (1.5cm), rest upto 3cm		
20	X					1 clast		Sandstone		
30	X					1 clast		Volcaniclastic sandstone		
40	X					1 clast		sandstone		
50	X					1 clast		Coarsely grained meta sandstone		
60	X					1 clast		sandstone		
70	X					1 clast		sandstone		
75	X					1 clast		sandstone		
80	X					2 clasts		sandstone		
85										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1420 A 1BR 1A 157.50m CSF-A
 Site: Hole: Core: Section: Top Depth:

Major Lithology: MAJOR LITH. NOT RECOVERED Minor Lithology:

Offset (cm)	Lithology	Sed. 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 15 2013
0	X					2mm 1		felsic magmatic		
10	PAL					X 1	PAL			
20	X					1		metasandstone		
20	X					1		sandstone		
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Major Lithology: MAJOR Lith. not Recovered Minor Lithology:

Offset (cm)	Lithology	Sed. 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 15 2013
0	X					2mm 1		siltstone		
	X					1		sandstone		
10	PAL						PAL			
	X					1		sandstone		
20	X					1		sandstone		
	X					1		sandstone		
30	X					1		sandstone		
	X					1		dolomite		
40	X					1		granite		
50	X					1		sandstone		
	X					1		metasiltstone		
60	X					1		siltstone		
	X					1		sandstone		
70										
	X					1				
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: 20R Section: 1A Top Depth: 0-43

Major Lithology: *major lith. not recovered* Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	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					* mud w. dispersed clasts	AB, 07-15-13
3	X					1 clast		felsic volcanic breccia	
10						present		pebbles 2-3 cm	
20	mud		N3			2			
23	PAL								
28	X					6 clasts		amphibole, 1 pebble, 5 granules	
30	X					1 clast		amphibole	
32	X					1 clast		amphibole	
36	X					1 clast		sandstone	
40	X					1 clast		granite/aphite	
43	X					1 clast			
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1420 A 21R 1A 0-66
 Site: Hole: Core: Section: Top Depth:

Major Lithology: Major Gt. not recovered Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0	X					1 clast		Volcanic breccia	AB, 07-15-13
4	X		N3					* clast-poor sandy diamicite	
10									
20	X					1 clast		sandstone	
30	X					1 clast		Argolite	
33	X					3 clasts		argillite, granite, basalt	
40	X					1 clast		sandstone	
50	X					1 clast		sandstone	
55									
60	X					1 clast		Argolite	
65						1 clast		siltstone	
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: 22R Section: 1A Top Depth: 0-96

Major Lithology: no major lith. recovered Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0	X							siltstone	AB, 07-15-13
5	X							siltstone	
10	X							siltstone	
17	X							siltstone	
20	W							pyroclite	
25								siltstone	
30								sandstone	
35								sandstone	
40								sandstone	
45								sandstone	
50								siltstone	
55								siltstone	
60								pyroclite	
70								pyroclite	
80								pyroclite	
90								granite	
100									
110									
120									
130									
140									
150									

Major Lithology: Major Lith. not Recovered 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:	Date:
									Childress	July 15 2013
0	X					1		metasandstone w/ fabric		
5	X					1		sandstone		
10	X					1		metasandstone w/ fabric		
10	sandy mud		N3		none	absent				
20	X					2		green sandstone (1.0cm), green sandstone w/ fabric (1.5cm)		
30	X					1		sandstone		
40	X					1		siltstone		
50	X					1		sandstone		
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1420 A 24R 1A 0-
 Site: Hole: Core: Section: Top Depth:

Major Lithology: no major lith. recovered Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0	X							sandstone	AB, 07-15-13
10	X							meta-sdst. with parallel fabric	
20	X							siltstone	
22	X							green sdst.	
30	X							brecciated sdst.	
35	X							sandstone	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1420 A 25R 1A 225, 40m CSF-A
 Site: Hole: Core: Section: Top Depth:

Major Lithology: Major Lth. not Recovered Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:
									Childres!	July 15 2013
0	PAL						PAL			
0-5	X					4		3 argillite, 1 sandstone		
5-10	X					1		sandstone		
10-15	X					1		sandstone		
15-20	X					1		siltstone		
20-25	X					1		sandstone		
25-30	X					1		metasandstone		
30-35	X					1		sandstone		
35-40	X					1		metasandstone		
40-45	X					1		sandstone		
45-50	X					1		sandstone		
50-55										
55-60										
60-65										
65-70										
70-75										
75-80										
80-85										
85-90										
90-95										
95-100										
100-105										
105-110										
110-115										
115-120										
120-125										
125-130										
130-135										
135-140										
140-145										
145-150										

Expedition 341 S. Alaska Margin:

U1420

A

27R

1A

244.80m 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:	Date:
									Childress	July 15 2013
0						2mm				
10	mud w/ abundant clasts		N3	DMZ R S I D	none	10		- sandstone (6cm) + smaller siltstones + sandstones (~1cm each)		
20						1		- sandstone		
30						1		- siltstone		
40						1		- gabbro		
45						1		- sandstone		
50						1		- basalt		
55						1		- basalt		
60						3		- siltstones (~1.5m)		
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

U1420

A

28R

1A

0

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: no major lith. recovered

Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0	X							siltstone	AB, 07-15-13
5	X							granite	
10									
15	X							siltstone	
20	X							4x granite	
25	X							basalt	
30									
35	X							siltstone	
40									
45	X							sandstone	
50									
55	X							sandstone	
60									
65	X							Argillite	
70	X							siltstone	
75	X							siltstone,	
80	X							siltstone,	
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									

Expedition 341 S. Alaska Margin: U1420 A 29R IA 264.20m CSF-A
 Site: Hole: Core: Section: Top Depth:

Major Lithology: MAJ. Lth. not RECOVERED Minor Lithology:

Offset (cm)	Lithology	Sed. 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 15 2013
0	X					1		basalt		
10	X					1		metasiltstone		
15	X					1		basalt		
20	X					1		siltstone		
25	X							gabbro		
28	mud		N3		none	2		metasiltstone		
32	PAL						PAL			
38	mud		N3		none	3				
48	X					1		Sandstone		
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1420 A 30R 1A 273.90m 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 15 2013
0										
10	mud w/ abundant clasts		N3	Bioturb. (high)	none	present		- granitoid, quartz, siltstone, sandstone, basalt		
40	PAL X					4	PAL	- 2 basalt, 1 granitoid, 1 siltstone (2cm) (2cm) (5cm)		
50	X					1		- granitoid		
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: 31R Section: 1A Top Depth: 0-38

Major Lithology: various ls. recovered Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0	X							gneiss	HB, 07-15-13
10	X							sandstone	
20	X							granite	
30	X							felsic volcanic breccia	
35	X							sandstone	
40	X							siltstone	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: 32R Section: 1A Top Depth: 0-8

Major Lithology: no major lith. record Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0	X							basalt, altered	AB, 07-15-13
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: 33R Section: 1A Top Depth: 0-49.5

Major Lithology: Rock Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	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 sandstone	JM 16.7.13
10								#2 pebble of gabbro, pebble of meta sandstone	
20								#3 greenstone	
30								#4 metabasalt	
30								#5 metabasalt	
40								#6 - - -	
50								#7 metabasalt with lots of biotite	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

matrix washed away while drilling

Expedition 341 S. Alaska Margin:

Site: 41420 A 34R 1 0-44c
 Hole: Core: Section: Top Depth:

Major Lithology: Rock Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	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 sandy mud clumps	JM 16.3.13
10		#1							
20		#2						#2 pebbles of chert bearing metabasite 2 pebbles of metabasite	
30		#3						#3 metabasite	
40		#4						#4 granite	
45		#5						#5 metabasite	
50									
60								→ matrix washed away	
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: 35R Section: 1 Top Depth: 0-50cm

Major Lithology: Rocks Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	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 sandy mud chunk	JM 10.7.13
10	PAL							#2 metasandstone	
20								#3 greenstone	
30								#4 sandstone coated with sandy mud	
40								#5 greenstone	
								#6 metasandstone	
								#7 metasediment	
								#8 siltstone	
50								#9 be graded metasediment	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 41420 A R36 1 0-950
 Site: Hole: Core: Section: Top Depth:

Major Lithology: Rocks Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	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						# 1 metasedstone (veg free)	JM 167:13
10		2						# 2 granite	
20		3						# 3 metasedstone	
30		4						# 4 metasedstone	
40		5						# 5 fine metasedstone	
50		6						# 6 green metamorphic rock (gneiss)	
60		7						# 7 fine sandstone	
70		8						# 8 greenstone	
80		9						# 9 volcanic (rhyolite)	
90		10						# 10 gneiss	
100		11						# 11 chert	
110		12						# 12 coarse (meta)siltstone	
120		13						# 13 coarse metasilstone	
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41420 Hole: A Core: 37R Section: 1 Top Depth: 0-26

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					#1 white bearing metamorphic rock	1M 167.13
10			#2					#2 rhyolite	
20			#3					#3 granite	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 41420 A 38R 1 0-75cm
 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					#1 granitoid	JM (6.7.13)
10			#2					#2 very dark gray (N3) clastic (sandy) diastich	
20			#3					#3 rhyolite	
30			#4					#4 very dark gray (N3) - clastic diastich (sandy)	
40			#4					37-40cm PAL sample	
50			#5					#5 1 rhyolite, 1 granitoid, 1 fine sandstone, 1 metasediment	
60			#5						
70			#6					rhyolite #6	
70			#7					siltstone #7	
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 4420 A 39 R 1 0-46c





Site: _____ Hole: _____ Core: _____ Section: _____ Top Depth: _____

Major Lithology: Rocks Minor Lithology: _____

Offset (cm)	Lithology	Sed. Structures	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: muddy diacid chunks	JM 16.7.13
10			#1						
20			#2					#2: 1 siltstone pebble, 1 green volcanic pebble	
30			#3					#3: green, volcanic	
40			#4					#4: fine grained metamorphic	
50			#5					#5: Greenstone	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 41420 A TOR 1 0-300
 Site: _____ Hole: _____ Core: _____ Section: _____ Top Depth: _____

Major Lithology: Rocks Minor Lithology: _____

Offset (cm)	Lithology	Sed. Structures	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					#1 green volcanic rock, rhyolite	JM 16.7.83
10			#2					#2 w/ greenstone	
20			#3					#3 granite? or metasedstone	
30			#4					#4 fine sandstone	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1420 A 4R 1A 380.66m CSF-A
 Site: Hole: Core: Section: Top Depth:

Major Lithology: MAJOR LITH. NOT RECOVERED Minor Lithology:

Offset (cm)	Lithology	Sed. 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 16 2013
0	X					1		metasandstone		
10	X					1		siltstone		
	X					1		sandstone		
	X					1		mudstone		
20	X					1		sandstone		
	X					1				
	X					1		garnetiferous gneiss		
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: V1420 A 42R 1A 390.30m CSF-A
 Site: Hole: Core: Section: Top Depth:

Major Lithology: MAJOR LITH. NOT RECOVERED 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:	Date:
									Childress	July 16 2013
0	X					1		granitoid		
	X					1				
10	X					1		meta sandstone		
	X					1		sandstone		
20	X					1		sandstone		
30	X					1		siltstone		
40	X					1		sandstone		
49	mud w/ dispersed clasts		N3		none	5		siltstone		
50	PAL						PAL			
53										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1420 A 43R 1A 400.00m CSF-A
 Site: Hole: Core: Section: Top Depth:

Major Lithology: Major Lith. not included Minor Lithology:

Offset (cm)	Lithology	Sed. 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 16 2013
0	X					1		siltstone		
10										
20										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: 44R Section: 1A Top Depth: 0-63

Major Lithology: mud with coll. 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:
10	X							Siltstone	HB, 07-16-13
2	X							Granite	
3-10	X							Sandstone	
20	mud w. coll. clasts		N3						
5									
30									
40	PAL								
6	X							Soliated granite, siltstone	
7	X							Sandstone	
8	X							Siltstone	
9	X							Sandstone	
60									
4	X							Sandstone	
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1420 A Hole: USR Core: 1A Top Depth: 0-50

Major Lithology: lower 1/2 recovered Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0	X							Sandstone	AB, 07-16-13
5	X							Siltstone	
10	X							Sandstone	
20	X							Sandstone	
30	X							Sandstone	
35	X							Sandstone w. biotite	
40	X							Allyolite	
45	X							biotite mica schist, greenstone	
50	X							Sandstone	
55								Schist	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1420 A 46R 1A 0-62
 Site: Hole: Core: Section: Top Depth:

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>N3</u>					<u>muddy sand</u>	<u>AB, 07-16-13</u>
10	<u>X</u>							<u>sandstone</u>	
20	<u>X</u>							<u>dacite</u> <u>basalt</u>	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1420

A

47R

1A

438.80m CSF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: MAJOR Lithol Recovered

Minor Lithology:

Offset (cm)	Lithology	Sed. 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 16 2013
0	X					1				
5	X					3		> siltstone		
10	X					1				
15	X					1		> green sandstone		
20										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Major Lithology: CLAST POOR 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 16 2013
0										
10								- clasts: siltstone, sandstone, quartz, granitoid, basalt		
20	sandy clast-poor diamict		N3	B S C C I T (slight)	none	23- shell frag.		~5 siltstone pebbles ~2 sandstone "		
30						21- 3cm siltstone				
50							SSSD	Sandy silt		
110						1cm quartz				

Expedition 341 S. Alaska Margin: U1420 A 48R 2A 0-53

Site: Hole: Core: Section: Top Depth:

Major Lithology: dark-poor sandy 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			N3						AB, 07-16-13
10								vein Qtz III siltstone IIII basalt I argillite I arsenic sandstone I	
20									
30							5632	sandy silt	
40								shell fragment	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1420 A Hole: 48R Core: CC Section: O-26
 Top Depth:

Major Lithology: clast-poor sandy diamicite Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	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	was bed, bit				3 pebbles, SW rounded: granite 6 cm sandstone 6 cm sandstone 4 cm	HB, 07-16-13
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1420 A 49R 1A 0-33

Major Lithology: no major lithology recovered Minor Lithology:
 Site: Hole: Core: Section: Top Depth:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0	X							siltstone	AB, 07-16-13
	X							sandstone	
10	X							vesicular basalt	
	PAL								
20	X							sandstone	
	X							sandstone	
30	X							sandstone	
	X							sandstone	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Major Lithology: SANDY CLAST-POOR DIAMICT Minor Lithology: LITH NOT RECOVERED

Offset (cm)	Lithology	Sed. 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 16 2013
0								- clasts include: siltstone, sandstone, conglomerate, basalt, mudstone, granitoid, quartz		
20	sandy clast-poor diamict		N3		none	present				
30				WASH (slight to med)						
40				on edges						
90							SS (Qz)	→ sandy mud		
100	PAL						PAL			
110	X					6 > 2mm		- sandstone, siltstone pebbles (~3cm each)		
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: U1420 A Hole: SIR Core: 1A Top Depth: 0-97

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			N3	washed, mud				Sandstone 6cu, subcu = cular	HB, 07-16-13
10				washed, mud				sandy mud w. dispersed clasts	
20				washed, mud					
29.5									
30									
36.5	<u>1W</u>								
40			N3				SS42	sandy silt, no bio	
50				washed mud			SS6	silty mud	
60				washed mud				sandy mud w. common clasts	
70				washed mud				sandy mud w. disp. clasts	
80									
90									
100								sandstone, 2 cu subrounded	
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1426 A SIR CC 0-31
 Site: Hole: Core: Section: Top Depth:

Major Lithology: Uud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0	#							*Uud w common clasts Sandy	HB, 07-16-13
10									
20	PAL								
25	↓							Uud pebbles / 4cm sandstone, greywacke - 3cm granitoid 5cm	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41420 Hole: A Core: SZ R Section: 1 Top Depth: 0-125

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								sandy mud (with dispersed clasts)	JM 17.7.13
10			N4				SS (12)	→ mud with sand (q-z, fsp.)	
20	PAL						22-27		
30	W						27-37		
40									
50									
60									
70			N4						
80									
90			N3				SS (37)	just mud	
100									
110								108-125 clast-rich diamicton with sandy matrix granules & pebbles up to 0.8cm	
120			N3				SS (121)	siltstone, greenstone, quartz	
130								→ mud with volc. ash (trace)	
140								→ sand-sized ash	
150									

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: S2R Section: 2 Top Depth: 0-58cm

Major Lithology: Rock Minor Lithology: _____

Offset (cm)	Lithology	Sed. Structures	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 fine sandstone	JM 12.7.13
10		#2 brecciated green metamorphic rock							
15		#3 granite							
20		#4 siltstone							
25		#5 brecciated green metamorphic rock							
30		#6 1 siltstone w/ granite pebble							
35		#7 sandstone							
40		#8 sandstone							
45		#9 siltstone							
50		#10 siltstone							
55		#11 sandstone							
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 11420 A 53R 1A 497.00m CSF-A
 Site: Hole: Core: Section: Top Depth:

Major Lithology: MAJOR Lth not Recovered Minor Lithology:

Offset (cm)	Lithology	Sed. 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 16 2013
0	X					1		sandstone		
	X					1		sandstone		
10	X					1		greywacke		
	X					1		sandstone		
20	PAL						PAL			
	X					3		laminated siltstone, siltstone, granite pebbles		
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1420 A 54R 1A 506.70m CSF-A
 Site: Hole: Core: Section: Top Depth:

Major Lithology: MAJOR LITH. NOT RECOVERED Minor Lithology:

Offset (cm)	Lithology	Sed. 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 16 2013
0	X					1		- vesicular basalt		
10	X					1		- granite		
15	X					2		- metasandstone, siltstone pebbles		
20	X					1		- siltstone		
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: 57R Section: 1 Top Depth: 0-62cm

Major Lithology: rock

Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	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	/	/			# 1 - dark gray (NS) clastic-dk diamic; clunks	JM 12.7.13
10								# 2 metasandstone	
20								# 3 siltstone	
30								# 4 metasiltstone	
40								# 5 - -	
50								# 6 sandstone	
60								# 7 metasiltstone	
70								# 8 pebbles of siltstone	
80								# 9 siltstone	
90								# 10 greenstone	
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41420 Hole: A Core: 582 Section: 1 Top Depth: 0-130cm

Major Lithology: 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								0-85cm clayey dark-red diarict grains, granules, pebbles (up to 3cm) granitoid	JM 17.7.13
10			N4						
20					/			clasts include: granitoid, siltstone, sandstone	
30								shell fragments @ 34cm	
40									
50									
60									
70									
80									
85								85-130cm sandy dark-red diarict granules & pebbles (up to 1cm) → siltstone, quartzite, sandstone	
90									
100			N3		/				
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41420 Hole: A Core: 58R Section: 2 Top Depth: 0-701 cm

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								(clayey) clast-rich diamicton granules & pebbles (up to 1cm) - granitoids, siltstones, quartz	JM 17.7.13
10									
20									
30			N4						
40									
50									
60									
70									
80									
90								shell fragments @ 90cm	
100									
110								101-113 cm: 1W	
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1420 A Hole: SR Core: 3 Top Depth: 0-85cm

Major Lithology: Diaclit Minor Lithology: _____

Offset (cm)	Lithology	Sed. Structures	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 clayey clast-poor diaclit	JM 17.7.13
10									
20			N4	moderate siltstone	/		(16)	grains & pebbles (~1cm) - siltstone, clast, quartz	
30								→ just mud	
40									
50								50-85cm: sandy/silty clast-rich diaclit	
60								grains & pebbles (upto 2cm)	
70			N3		/			- siltstone, granitoid, quartzite	
80							(80)	sandy mud with vol. ash (back)	
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: 58R Section: CC Top Depth: 0-32cm

Major Lithology: Diaict Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0								sandy clast-in diaict	JM 17.2.13
10		/	N3	high silt	/			gravel & pebbles (up to 2cm)	
20								- granitoid, black siltstone, green stone	
20-25	PAL						20-25		
30								→ metasilstone	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
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									MF 17/Jul/13
10								0-130 * ^{sandy} mud with common clasts * multiple pods of sand & granules * shell fragment at ~76.5 cm	
20								* clasts of granite to pebble size including albite, metasediment, granitoids, dioritic fragments, greenstone, quartz,	
30								* many small black grains - iron ↳ ferromagnesium minerals ss 58: sandy mud	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130								130-150 * mud with dispersed clasts ↳ see section 2 for details	
140									
150									

No. 411
 biocent (moderate to high)

Expedition 341 S. Alaska Margin:

U1420

A

59R

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			10Y4H					0-140: * mud with dispersed clasts * mostly granules, few pebbles ↳ greenstone, sandstone, gneiss, mudstone (?) * minor gap between sediment & liner along most of core	VF 17/Jul/13
10									
20									
30									
40									
50									
60									
70									
80								SS 90: mud with diatoms, sponge spicules & volcanic ash are present	
90								~ 91: small shell fragments	
100									
110									
120									
130									
140							1W	140-150 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									TF 17/Jul/13
10								<p><u>0-116</u></p> <p>* Mud with dispersed clasts & granules & 2 pebbles</p> <p>↳ mostly metasediments (?) difficult to identify</p> <p>↳ hornblende?, granitoids</p> <p>* pebbles of metasediment</p>	
20									
30									
40									
50								<p>* occasional cracks & some gaps between sediment & liner wall</p>	
60								<p>~57-58: pod of fine to medium sand</p>	
70								<p>5560: mud with sponge spicules & diatoms</p>	
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: 59R Section: CC Top Depth: 0-28

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>0-23</u> * mud with dispersed clast. * difficult to identify, but probably metasediment & granitic	<u>MF 17/Jul/13</u>
10									
20									
30							<u>PAL</u>		
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1420 A 60R 1A 564.90m 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 17 2013
0									
10									
15	silty mud w/ dispersed clasts		N4	CRACK (0m to 20cm high)	none	13cm shell frag.		clasts: granitoid, siltstone, quartz, sandstone (all pebble), ≤ 2cm	
20						9 clasts > 2mm	SS24	silty mud w/ sand	
30				CRACK					
40									
45	END								
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

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 17 2013
0	^{silty} mud w/ dispersed clasts		N4		none	11 clasts > 2mm		- clasts: sandstone, mudstone, siltstone, quartz, most < 1cm, 1 up to 5cm		
18	A			CRACK						
20	PAL						PAL			
23	X					1		- sandstone, w/ foliation		
30	END									
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: U420 Hole: A Core: 61R Section: 1A Top Depth: 0-49

Major Lithology: clast-rich 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			N3	visuit, chous, washed				laminated sandstone, thin	HB, 07-17-13
10								Sandstone III	
20							ssb	Siltstone II granite I vein qtz I rhombic I	
30								sandstone, thin basalt I	
40	PAL		N3					st/ty mud	
50									
60								washed, light	
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U420 Hole: A Core: 62R Section: 1A Top Depth: 0-94

Major Lithology: dark red muddy diorite Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	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	washed				2 sandstone pebbles	AB, 07-17-13
10								siltst. III	
20								very grt II	
30								baralt III	
40				washed sliced to mud			SS35	sands III mudstone III	
50								silty mud with sand	
80	PAL								
90	X							2 sandstone pebbles	
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

W1420

A

63R

1A

594.00m CSF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: Mud (w/ silt)

Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: July 17 2013
0				CRACK slight to mod.		2mm		White, slimy semi-fluid around core/liner interface = drilling mud!?		
10										
20			N4			15(2x) 18(2x)		basalt (4cm); granitic (1cm); granitoid		
24				UNCONSOLIDATED (slight)	mod.					
30	mud w/silt									
40										
44										
50										
60								SS62 - mud, no bio (10% silt)		
70						67-sandstone		SS66 - silty mud		
80					slight			plus many clasts 1-2mm		
90										
100										
110										
120										
127										
130	mud				heavy			SS128 - mud, no bio - worm party!		
140										
150										

Expedition 341 S. Alaska Margin:

U1420 A 63R 2A 595.50m CSF-A
 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 17 2013
0						>2mm		-white, slimy semi-fluid around core/liner interface = drilling mud?!?		
10			5G 4/1					← worm party!		
20										
30	mud				heavy	26		-clasts: sandstone, siltstone, granitoid (small pebbles)		
40										
50								SS43 w/ forams & diatoms		
52	w/ forams & diatoms					58(33)				
70	mud					68				
90						89				
120						122				
130	IW									
140	END									
150										

Expedition 341 S. Alaska Margin: U1420 A 63R 3A 596.90m 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 17 2013
0										
0-10	mud		56.4/1		mod.					
10-20			104.4/1					clasts, sandstone, siltstone, granitoid, quartzite		
20-30	mud				none					
30-40										
40-50										
50-60										
60-70										
70-80										
80-90				CRACK (mod.)						
90-100										
100-110										
110-120				CRACK (slight to mod.)						
120-130										
130-140										
140-150										

Expedition 341 S. Alaska Margin:

UM20

A

63R

4A

0-151

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: mud

Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0	w/bs		1074/1					silt/sand	HB, 07-17-13
10	disp. clasts						sc12	siltst III sandst I basalt II mudst. II	
20	o o o o								
30									
40				mousselike, sl. bot					
50	o					o		cut shell	
60								shell fragments	
70									
80									
90									
100				crack - mud.					
110	o					o		siltstone	
120	w/bs compos. clasts		N3					sandst III siltst. III basalt II	
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: 63R Section: 5A Top Depth: 0-132

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	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, 07-17-13
0-10	w. common clasts		N3			○		sdct. siltst	
20								siltcl. 	
20								saedct 	
30								Sasalt 	
30								granite	
30								vein qtz	
50	○						○	sed. breccia	
60				washed siltst					
90							ss to	silty mud	
130	<hr/>								

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: 63R 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	w. com. clasts		N3	bit with mud				granite II basalt II siltst. III	AB, 07-17-13
20	PAL								
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U420 Hole: A Core: 64R Section: 1A Top Depth: 0-112

Major Lithology: clay-rich muddy 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: Date:
0	○		U3	wood chips		○		sandstone 5cm	AB, 07-17-13
10								sandst siltstone 	
20				↗				granite gypsile mudstone	
30								gneiss basalt vein qtz 	
40									
50	○					○		shyolite 5cm	
60									
70									
80				↖			ss76	silty mud	
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1420 A 64R 2A 0-60
 Site: Hole: Core: Section: Top Depth:

Major Lithology: dark red muddy diatomite Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	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, 07-17-13
10								granitoid 1 basalt 1 siltst #11 sandst #1	
20								ven qtz 1 ash chle 1 granite 1	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

washed, biscuit wood.

Expedition 341 S. Alaska Margin:

Site: U120 Hole: A Core: 64R Section: CC Top Depth: 0-23

Major Lithology: clast. mid muddy clastic Minor Lithology: _____

Offset (cm)	Lithology	Sed. Structures	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	WRTS				sandstone II siltstone I pyolite breccia I	AB, 07-17-13
10	PAL								
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U42

A

GSR

1A

0-137

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology:

last 1/8 muddy 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: Date:
0			N3					sandstone sandstone #1 basalt 1 granite III asillite 1 quartzite 1 greywacke 1 siltst. III vein qtz III	AB, 07-17-13
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140	W								
150									

Expedition 341 S. Alaska Margin:

Site: Uk20 A Hole: 65R Core: 2A Top Depth: 0-132

Major Lithology: clast-rich muddy 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: Date:
0									HB, 07-17-13
10			N3					basalt #1	
20								Sandst #1111	
30								siltst #111	
40								undst #11	
50								vein qbz #111	
60									
70									
80									
90									
100									
110									
120								sbb silty mud	
130									
140									
150									

washed siltst to mud

und
und
und

} und laminae

DAIG

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: 65R Section: 3A Top Depth: 0-124

Major Lithology: last - mid 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	↙		N3						AB, 07-17-13
10				washed, wood.				silts. # IIII sands # IIII /	
20								basalt II granite I quartzite I	
30									
40									
50				wood					
60									
70									
80				wood					
90									
100				washed →					
110									
120				↙					
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1420

A

65R

CC

0-36

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: *clast-rich in 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: Date:
0			N3	<i>flow in diamict</i>				<i>clast-rich muddy diamict sandst. II</i>	HB, 07-17-13
10			N3					<i>mud w. disp. clasts</i>	
20								<i>flow in</i>	
30	<i>P42</i>								
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1420 A 66R 1A 623, 10m CSF-A
 Site: Hole: Core: Section: Top Depth:

Major Lithology: silty CLAST-POOR 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:	Date:
									Childress	July 17 2013
0										
10								- clasts: siltstone, sandstone, basalt, quartz, granite		
20	silty clast-poor diamict		N3		none	present		- shell fragments @ 39, 55, 122 cm		
30							3529	- sandy mud, silt		
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1420 A 66R 2A 624, 60m CSF-A
 Site: Hole: Core: Section: Top Depth:

Major Lithology: CLAST-POOR 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:	Date:
									Childress	July 17 2013
0										
10								largest: 1cm 1.5cm 3cm 1.5cm - clasts include: granitoid, siltstone, sandstone, basalt, quartz. *w/rind @ 26cm		
20	silty clast- poor diamict		N3	DRILLING DISTURBANCE STARTS HERE ↓	none	present				
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130	IW						IW			
140										
150										

Expedition 341 S. Alaska Margin: U1420 A 66R 3A 625, 95m CSF-A
 Site: Hole: Core: Section: Top Depth:

Major Lithology: CLAST-POOR 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:	Date:
									Childress	July 17 2013
0										
10	silty clast - poor diamict		N3	COMMON	none	present		- clasts: siltstone, sandstone, granite, basalt ~ all ~ 1 cm or less		
20				COMMON						
30				COMMON						
40				COMMON						
50				COMMON						
60				COMMON						
70	END									
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

U1420

A

66R

CC-A

626.64m CSF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: CLAST-POOR 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:	Date:
									Childress	July 17 2013
0										
10	silty clast- poor diamict		N3		none			clasts: siltstone, sandstone		
18										
20	PAL						PAL			
23	END									
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: 67R Section: 1A Top Depth: 0-121

Major Lithology: dark-red muddy diamicite Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	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, 07-17-13
10								basalt ##	
20								pyrite ##	
25								gabbro ##	
30								gabbro	
35								siltst. ## ##	
40								sandst. ## ##	
45								vein qtz. ##	
50								SS36	
60								silty mud	
70									
80									
90									
100									
110									
120									
130									
140									
150									

washed, mud, basalt nod.

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: G7R Section: 2A Top Depth: 0-(47)52

Major Lithology: dark red waddy 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			N3						AB, 07-17-13
10				washed, mud > high				sandst. III siltst. II mudst. I	
20									
30									
40									
50	PAL								
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1420

A

67R

CC

0-19

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology:

no major lith recovered

Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0	 							siltst III sandst II asfilitic I	HB, 07-17-13
10									
20	_____								
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Major Lithology: Silty mud w/ common 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 17 2013
0						1- sandstone (20)				
10								- clasts: basalt, sandstone, granite, siltstone, rhyolite, quartz.		
20			N3		none	22 basalt 23 shell frag.				
30	silty mud w/ common clasts					21 rhyolite				
40				24 N=02 mudstone				SS43 - muddy silt		
50						21 siltstone				
60										
70										
80										
90						92 sandstone				
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U420 A 68R 2A 0-74
 Site: Hole: Core: Section: Top Depth:

Major Lithology: mid w. common 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			N3					sandstone III	AB, 07-17-13
10								basalt II	
20								algolite I	
30	clast							siltstone III	
40								sandstone clast	
45								vein qtz I	
50							SS52	muddy silt	
70								metre magmatic rock, hornblende	
75									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: 68R Section: CC Top Depth: 0-29

Major Lithology: med to coarse 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			N3	brist				siltstone II sandstone II quartzite I	HB, 07-17-13
10									
20	Go			red					
23	DAL								
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
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			U3					0-140	TF 18/jul/13
10	diamic							* clast rich diamic * sandy mud matrix	
20								* clast of granules & pebbles * clasts include greenstone,	
30								sandstone, granitoids, vein quartz, basalt (?), oilstone,	
40								thuyolitic fragments, gneiss (e.g. sect. 3)	
50									
60								* few shell fragments, e.g. sect. 1, ~ 76 cm; 114 cm;	
70									
80									
90									
100								SS 110: mud with sand ↳ trace of volcanic glass	
110									
120									
130									
140									
150							lw	140-150	

Expedition 341 S. Alaska Margin: U1420 A 69R 2A 0-56 cm
 Site: Hole: Core: Section: Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0	<i>diamed</i>		<i>N3</i>					<i>0-56</i> <i>* last - not diamed</i> <i>to see sect 1 for details</i>	<i>MF 18/Jul/13</i>
10									
20									
30									
40				<i>slight to moderate wash along line wall</i>					
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1420 A 69R CC 0-19
 Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:




Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0								0-8	VF 18/JUL/13
10	PAL			Moderate to heavy wash			PAL	* green pebble	
20								8-13	
30								Sample PAL	
40								13-14	
50								Clast - with diam. of with with greenstone pebble & several black granules (not possible to identify)	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41420 A Hole: 70R Core: CC Section: 0-260

Major Lithology: Diarict & Rock

Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	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 matrix			0			- silty clast-rich diarict	JM 18.7.13
10			M3	high				→ not all of matrix recovered	
20	PAL 				0		18-19		
30								clasts include: pebbles of siltstone, sandstone, metasiltstone	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: 71R Section: 1 Top Depth: 0-126 cm

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: Date:
0								0-7 cm: 2 pebbles of siltstone (fine)	JM 18.7.13
10								sandy clast-rich diamict	
20								clasts: granules & pebbles (up to 4 x 2 cm)	
30								mainly siltstone, granitoid, greenstone, sandstone	
40			N4						
50									
60									
70									
80									
90			N4						
100									
110									
120							M2-118	pebbles: green metasiltstone & dark grey metasedstone	
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1420

A

72R

1A

681.30m CSF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: ^{silty} CLAST-RICH DIAMICT

Minor Lithology: MINOR LITH. NOT RECOVERED

Offset (cm)	Lithology	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 18 2013
0								- 12cm x 7cm sandstone cobbles		
10	X					> 2mm				
30	silty clast-rich diamict		N3	massive	none	Trace				
40								@43cm - fine grained basalt (?) or sed. ? 5cm		
50								54cm - silty mud		
60								clasts: volcanic (vesicular) sandstone, siltstone, granite, quartz		
66	END									
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

U1420

A

73R

1A

0-101

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: *dark red muddy diamicite*

Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	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		N3			0		sandstone	HB, 07-18-13
10									
20								basalt 	
25								siltst. 	
30								argillite	
35								sandst.	
40								pyroclite	
45								vein. gtz.	
50									
60							SS63	sandy mud, 25% sand W = washed list	
70									
75	0 0							basalt siltstone	
80								basalt	
90	0 0 0 0 0							argillite siltstone sandstone pyroclite	
100									
110								washed list	
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1420

A

74R

1A

0-91

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: *dark-red sandy 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: Date:
0			N3					sandst. sandst. basalt	HB, 07-18-13
10									
20									
30								sandst. IIII pyolite I basalt II	
40								veingtz III siltst. III granule I	
50									
60							SS-SS	sandy mud, 25% sand	
70									
80									
85	PAL								
90								pyolite sandstone breccia	
100									
110									
120									
130									
140									
150									

washed, mud.

Expedition 341 S. Alaska Margin: U1420 A 75R 1A 710.40m CFA
 Site: _____ Hole: _____ Core: _____ Section: _____ Top Depth: _____

Major Lithology: MAJ. Lith. not recovered Minor Lithology: M&D

Offset (cm)	Lithology	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 18 2013
0	X					1		- basalt		
10	X					1		- greywacke		
12	PAL						PAL			
20	mud		N3	WASH		3		- pebbles		
						3		- greywacke, 2 siltstones (pebble)		
30	X					1		- siltstone		
35	X					1		- basalt		
40	X					1		- siltstone		
45	X					1		- granite		
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

U1420

A

76R

1A

720.10m CSF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: MAJOR Lith. not Recovered

Minor Lithology:

Offset (cm)	Lithology	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 18 2013
0	X					1		siltstone		
10	PAL						PAL			
20	X					4		(2x) sandstone, siltstone, altered basalt (all pebble)		
30	X					1		sandstone		
40	X					1		metasiltstone		
40	X					1		sandstone		
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

U1420 A 77R 1A 0-89
 Site: Hole: Core: Section: Top Depth:

Major Lithology: no major lith recovered Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0	X							basalt	AB, 07-18-13
10	X							volcanic	
20	mud							gneiss	
30	X							siltstone	
40	X							sandstone	
50	X							sandstone	
55	X							3 argillites, 1 granite	
60	X							basalt	
65	X							basalt	
70	X							sandstone	
75	X							quartzite	
80	X							sandstone	
85	X							sandstone	
90	X							sandstone	
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1420

A

78R

1A

0-20

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: no major lithology rec'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	X							Siltstone	AB, 07-18-13
10	X							grauke	
20	X							sandstone	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U420 A 79R 1A 0-28
 Site: Hole: Core: Section: Top Depth:

Major Lithology: *no major lith recovered* Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0	X							basalt	AB, 07-18-13
5	X							diorite	
10	X							basalt	
15	X							sandstone	
20	X							10 asgillite granules and pebbles	
25	X							metasiltstone w. fohmC	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U420

A

BOR

1A

75B, 90m CSF-A

Site:

Hole:

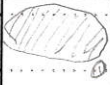
Core:

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 18 2013
0						72mm		-6cm sandstone, 1.5cm siltstone		
10						46				
20	silty mud		SGY 4/1							
30										
40										
50					mod.					
60										
70						70				
80						81		SS75 - silty mud		
90	silty mud w/ sand									
100										
110	silty mud									
120						115 - volcanic				
130					heavy	127				
140										
150										

Expedition 341 S. Alaska Margin: U142D A BOR 2A 760.40m CSF-A
 Site: Hole: Core: Section: Top Depth:

Major Lithology: silty Mud Minor Lithology:

Offset (cm)	Lithology	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 18 2013</u>
0										
10	<u>silty mud</u>		<u>5GY 4/1</u>							
20					<u>heavy</u>					
30										
40						<u>absent</u>				
50					<u>mod.</u>					
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1420 A BOR 3A 761.90m CSF-A
 Site: Hole: Core: Section: Top Depth:

Major Lithology: ^{silty} Mud Minor Lithology:

Offset (cm)	Lithology	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 18 2013
0										
10						11-shell frag				
20										
30	silty mud		5G4/1		mod.		5030	silty mud (w/ maybe 1 radiolarian?)		
40										
50										
60										
70	silty mud		10Y4/1		heavy					
80						81-shell frag				
90										
100										
110										
120										
130										
140	IW						IW			
150										

Expedition 341 S. Alaska Margin: U1420 A 20R 4A 763.40 m CSF-A
 Site: Hole: Core: Section: Top Depth:

Major Lithology: silty Mud Minor Lithology:

Offset (cm)	Lithology	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 '8 2013</u>
0										
10										
20	<u>silty mud</u>		<u>10Y 4/1</u>		<u>heavy</u>	<u>absent</u>				
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
133										
140										
150										

Expedition 341 S. Alaska Margin:

U1420

A

80R

5A

0-152

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		10 Y4/1						AB, 07-18-13
10									
20									
30									
40									
50	>				↑			shell, cross section	
60									
70									
80					← heavy				
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1420

Hole: A

Core: 80R

Section: 6A

Top Depth: 0-142

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	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		SS1/4						LAB, 07-18-13
10									
20	o							worm tube, cross section	
30									
40									
50									
60									
70									
80	~							shells, cross section	
90							SS10	silty mud	
100	oo							worm tubes, cross sections	
110									
120									
130	*						SS135	* mud w dispersed clasts some quartz grains, coarser sand	
140								IRD ↓ silty mud	
150									

Expedition 341 S. Alaska Margin: U1620 A BOR CC 0-35
 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>5S/4/1</u>	<u>bricard; mod. turb.</u>	<u>heavy</u>				<u>HB, 07-18-13</u>
10	<u>w. disp clasts</u>								
20									
30	<u>PAL</u>								
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1420

A

BIR

1A

768.60m 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:	Date:
									Childress	July 18 2013
0										
10								- clasts: basalt - U1420 U1420 argillite III granite - U1420 sandstone - III siltstone - 20 (v) quartz II		
20	silty clast- rich diamict		N3	20 INDR (Silt)	none	present				
30										
40								SS37 - muddy silt w/ sand		
50										
60										
70										
80										
90										
100										
110	END									
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1420 A BIR CC-A 769.62m CSF-A
 Site: Hole: Core: Section: Top Depth:

Major Lithology: MAJ Lith. not Recovered Minor Lithology: CLAST ~~POOR~~ DIAMICT

Offset (cm)	Lithology	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 18 2013
0	clast-rich diamict		N3		none					
4										
9	DAL						DAL			
10								a little clast poor diamict remains, but not much		
20	X					7 > 2mm		clasts: basalt - I sandstone - II siltstone - IIII		
24	END									
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: UM20 Hole: A Core: 82R Section: 2A Top Depth: 0-84

Major Lithology: disturbed sandy 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									HB, 07-18-13
10			N3					basalt IIIII Vergtz III Sandst. III granite II siltst. IIII	
20							slb	muddy silt w sand	
30									
40									
50									
60									
70									
78	PAL								
80	000							washed	
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1420 A 82R 1A 0-80

Site: Hole: Core: Section: Top Depth:

Major Lithology: dark-red sandy 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			N3						HB, 07-18-13
10								basalt ###	
15								siltstone ##	
20								sandstone ###	
25								pyrite	
30								vein gtz ###	
35								argillie	
40								granite	
45									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

washed wood

Expedition 341 S. Alaska Margin:

Site: U1420 A Hole: 83R Section: 1 Top Depth: 0-103cm

Major Lithology: Mud

Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	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		JM 19.7.13
10	W						16		
20							55 (26)	16-57cm: very fine mud sponge spicules, diato-fragments ← 5%!	
30			10Y 3/1		high				
50								foram or gastropod @ 50.5cm	
60			10Y 4/1	fine (bright) biscuitis	high			57-88cm: very fine mud with increasing silt & sand content (sponge spicules)	
80								grains/granules & pebbles: black siltstone & quartzite	
90			10Y 4/1	moderate	?			88-103cm: diamict (fine, waddy matrix)	
100									
110									
120									
130									
140									
150									

silt/sand content very gradual

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: 83R Section: 2 Top Depth: 0-60cm



Major Lithology: 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: Date:
0								ready to muddy diamict; clast rich	JM 19.7.13
10								clasts: siltstone, lutaciltstone, sandstone, quartz, granite (pebbles up to 4cm)	
20								shell fragment @ 25cm	
30			N3					two pieces of Lutaciltstone @ 29-38cm	
40									
50									
60								shell fragment @ 58cm	
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41420 Hole: A Core: 83R Section: CC Top Depth: 0-200

Major Lithology: 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: Date:
0								muddy clast-w/ diamict granules & pebbles (~to 20) - siltstone (granitoid)	JK 19.7.13
10			N3	moderate (bioturbation)	/				
20	PAL						20-25		
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1420

A

84R

1A

0-107

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			N3					0-107	MF 19/JUL/13
10								* clast rich diagenit	
20								* sandy mud matrix	
30								* granule & pebble clast,	
40								including: well-cemented to	
50								slightly metamorphosed	
60								sandstone, sandstone,	
70								greenstone, shale (partly	
80								with pyrite; metasediment	
90								with quartz veins; vein	
100								quartz, metatone/very-fine	
110								sandstone; partly weathered	
120								grano-dioritic pebble;	
130								green, fine-grained volcanic,	
140								basalt(?)	
150									
				slight wash					
								95-100	
								Sample PAL	
	PAL						PAL		

Expedition 341 S. Alaska Margin: U420 A BSR 1 0-48cm
 Site: Hole: Core: Section: Top Depth:

Major Lithology: Rocks, no matrix Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	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 meta gray lake	JM 19.7.13
10								# 2 sandstone	
20								# 3 granite } diorite?	
25								# 4 granite	
30								# 5 piece of greenstone	
35	PAL							# 6 greenish-gray meta-sed. rock (metased.)	
40								# 7 PAL	
45								# 8 } fine sand- for siltstone	
50								# 9	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1420

A

86R

1A

0-100

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology:

Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0			N3					0-135:	MF 19/Jul/13
10								* clay-rich decimet	
20								* sandy mud matrix	
30								* granite & pebble clasts, including metasediment, granite, mudstone, greenstone/basalt(?)	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140							DAIG	Sample DAIG	
150									

Expedition 341 S. Alaska Margin:

Site: U1420 A Hole: 86R Core: 2 Section: 0-135c
 Top Depth:

Major Lithology: 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								clast-rich diamic, sandy granules & pebbles (up to 2cm) of granitoid, siltstone, greenstone	JM 19.7.13
10									
20					/				
30									
40									
50			N3						
60									
70					/				
80				slight bisecting					
90					/				
100						shells		shell fragment @ 95.5cm	
110					/				
120									
130									
140							135 150		
150									

Expedition 341 S. Alaska Margin:

Site: 41420 A 86R 3 0-116cm
 Hole: Core: Section: Top Depth:

Major Lithology: 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: Date:
0	○							clast-rich diamict granules & pebbles (3cm) & cobbles silt-, sand-, greenstone, granitoid shell fragment @ 16cm	JM 19.7.13
10	○				✓	shell		→ sandy matrix	
20	○								
30									
40									
50	○				✓			sandstone	
60	○							schisty gray/green meta-orphic rock	
70	○		N3			slight to moderate silt-cementing		metasandstone	
80									
90	○				✓			quartz-mica schist	
100	○								
110	○				✓				
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: 86R Section: CC Top Depth: 0-9

Major Lithology: 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	<u>0°</u>		<u>N3</u>	<u>/</u>	<u>/</u>			<u>clast-rich diacrit with sandy matrix</u>	<u>JM</u> <u>19.7.13</u>
10	<u>PAL</u>						<u>3-14</u>	<u>granules & pebbles (~2cm) of siliceous, granitoid</u>	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41420 A Hole: 87R Section: 1 Top Depth: 0-151cm

Major Lithology: 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: Date:
0									JM 19.7.13
10								dast-ud diamict granules & pebbles (upto 3cm), siltstone, granitoids, sandstone, greenstone	
20									
30								- muddy matrix with sand	
40									
50			N4	slight loading abt 40cm					
60									
70									
80									
90							SS (90)	mud with forams	
100									
110									
120									
130									
140			N3						
150									

Expedition 341 S. Alaska Margin:

Site: 41420 A Hole: 87R Core: 2 Section: 0-135cm 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								- last-ice diamicton muddy matrix with sand	JM 19.7.13
10								- granules & pebbles (up to 3cm) clasts include: siltstone, granitoid, greenstone, sandstone	
20									
30									
40									
50									
60			N3						
70									
80									
90									
100							SS (100)	just mud	
110									
120									
130									
140								sharp color boundary @ 132cm	
150									

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: 87R Section: 3 Top Depth: 0-150cm

Major Lithology: 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: Date:
0								silty to clayey clast-rich diamict with granules & pebbles (up to 1cm) clasts: greenstone, siltstone, granitoids	JM 19.7.13
10									
20					/	shel		shell fragment @ 19cm	
30									
40			10Y 4/1			shel		shell fragment @ 35.5cm	
50									
60					/	shel		shell fragment @ 63cm	
70						shel	SS (70)	→ mud (with 1 foram)	
80						shel		shell fragments @ 77.5cm	
90						shel		shell fragment @ 89cm	
100								granitic or dioritic clast (~3cm) @ 92cm	
110									
120					/				
130								metasedstone (~2cm) @ 133cm	
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41420 A Hole: 87R Core: 4 Section: 0-131
 Site: Hole: Core: Section: Top Depth:

Major Lithology: 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									JM 19.7.13
10					/			clast-poor diacrit, clayey clasts: siltstone, granitoid granules & pebbles (up to 1cm)	
20									
30			10% 4/1				SF (31)	just mud (little sponge spicules)	
40									
50					/			volcanic rock @ 45cm, Ø 3cm	
60									
70									
80									
90									
100									
110						shells		shell fragment @ 108cm	
120			N4		/				
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: L1420 Hole: A Core: 87R Section: CD Top Depth: 0-15cm

Major Lithology: 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: Date:
0			N4					0-5 cm : clast-poor diamict	JM 19.7.13
10			N3	moderate siltification	✓			5-15 cm : clast-rich diamict granules & masses of silt, sandstone, granitoids	
20	PAL							washed gravel, metasandstone? with quartz veins	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: 88R 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	○		N3			○		sandstone	AB, 07-19-13
10	mud with							sandstone with basalt II	
20	○ ○					○ ○		siltstone with sandstones	
30	disg. dark			poor					
40				basalt					
50				with mud.					
60	○					○		sandstone	
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1420

A

88R

2A

0-150

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: mud

Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0	○					○		siltst. basalt	AB, 07-19-13
10	mud w. disp. clasts							sandst II siltst. II basalt I ven qtz I	
20									
30	○					○		siltst.	
40							STO	silty mud	
50									
60									
70									
80	○					○		siltst.	
90	○					○		siltstone	
100									
110									
120	Crab								
130									
140									
150									

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 19 2013
0	mud		N4	verts		granule none >2mm				
10	clast-rich diamict		N3					clasts: argillite (1); sandstone (7); siltstone (3); granite (1); basalt (1); quartz (1)		
11.5					none					
20	mud w/ dispersed clasts		N4			present (3) >2mm		gneiss, sandstone, siltstone (pebble) SS23 - silty mud (10% sand)		
27										
30										
40	clast-rich diamict		N3			present		clasts: basalt - II granite - II sandstone - III siltstone - III quartz - II		
50										
60										
66	END									
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

U1420

A

BBR

CC-A

840.16m CSF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: MAJOR LITH NOT RECORDED

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:	Date:
									Childress	July 19 2013
0	mud		N3	DRILLING LES	none	1, >2mm siltstone				
7										
10	FAL						FAL			
12										
20	X					4		sandstone(2), basalt(2)		
24	END									
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

U1420

A

B9R

1A

246.60m 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 19 2013
0	sandstone									
10				MANGROVE				- clasts: sandstone - III granite - II basalt - I siltstone - III quartz - I		
20	clast-poor diamict		N4		none					
30										
40										
48										
50										
60	clast-rich diamict		N3		none			- clasts: sandstone - III basalt - III siltstone - III granite - II		
70										
78										
80	PAL						PAL			
83										
90	clast-rich diamict		N3		none			- sandstone (cobble), vesicular basalt - siltstone (3)		
98										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: 90R Section: 1A Top Depth: 0-149

Major Lithology: silty mud with sandclasts Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	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, 07-19-13
10								granite III	
20								dyolite II	
25								sandst. III IIII	
30								basalt III I	
35								siltst. III IIII	
70							S70	silty mud	
50-70				↑ was sed. mud ↓					

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: 90R Section: CC Top Depth: 0-28

Major Lithology: silty mud w abundant dark Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	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	TAL								
20	X			washed				2 siltstones 1 sandstone 1 basalt	07-19-13
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Site: _____ Hole: _____ Core: _____ Section: _____ Top Depth: _____

Major Lithology: silty 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 19 2013
0										
10										
20	silty mud w/ abundant clasts		N3	WASHED AWAY (mod.)	none	present		- clasts: siltstone - 21 sandstone - 25 argillite - 3 granite - 5 basalt - 11 metavolcanic - 1		
30										
40										
50										
60										
70										
80										
90										
100										
110										
120							SS117	- silty mud		
130										
140	END									
150										

Major Lithology: Silty MUD w/ Abundant CLASTS Minor Lithology: NOT RECOVERED

Offset (cm)	Lithology	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 19 2013
0	silty mud w/ abundant clasts		N3					- clasts: sandstone (4), siltstone (2)		
10	PAL						PAL			
20	X			WASH		3 > 2mm		- siltstone (2), argillite - little bit of mud remaining, but washed		
21	END									
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
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			N3					6cm sandstone rounded, fall-in	AB, 07-19-13
10	abund. clasts							guess	
20								granite	
30								basalt	
40								siltstone	
44									
46								erosional contact, sharp base	
50	mud w. disp. clasts		N3					granite	
60								siltst.	
70								sandst.	
80								neu. qb.	
90								quartz	
100								clast accumulation	
110								shell cross section	
120									
130									
140	DAIG								
150									

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: Q2R Section: 2A Top Depth: 0-117

Major Lithology: mud Minor Lithology: _____

Offset (cm)	Lithology	Sed. Structures	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						HG, 07-19-13
10	w. disp. clasts				mod → heavy			clast accumulation sandstone	
20								1 meta-sandst, w. fabric 2 argillite	sharp colour change
30	w. disp. clasts		N3						
40									silty mud
50					← +35% →				
60							s60		erosional inclined contact, colour change * mud with dispersed clast
70									
80									strongly bioturbated contact
83			N4		med				
90	mud w. sand clasts		N3					granite argillite sandst silty basalt	sharp base
100									
108									* mud w. dispersed clasts
110			N4		slight				
120	W								
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1420

A

93R

1A

885.00 m CSF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: ^{silty} 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: Childress	Date: July 19 2013
0										
10	X					2 clasts (sandstone) - likely once one		cobbles		
20										
30	silty mud w/ abundant clasts		N3		none	present		clasts: sandstone: IKT II granite: I siltstone: VII quartz: II basalt: VII		
40										
50								clasts appear oriented (often, but not always) parallel/horizontal to deposition		
60								almost "mud" bed @ 34cm		
67-68.5	erosional									
70							SS71	silty mud		
80	silty mud w/ common clasts		N4		slight	present		clasts: siltstone: IKT I argillite: I sandstone: IIII mudstone: II basalt: II granite: IIII		
90										
100										
110										
120										
130										
133										
140	X					6, >2mm		three largest: basalt, sandstone, diorite less than 1cm: siltstone, sandstone		
144	PAL									
147										
150										

Expedition 341 S. Alaska Margin:

11420

A

94R

1A

0-(135)150

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: *clast rich muddy 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	0		N3			0		sandstone	AB, 07-19-13
10									
20									
30								} faintly laminated, mud color intervals with fewer clasts	
40									
50									
60								basalt IIII	
70								silt IIII	
80								pyroclite III	
90								silt. III	
100								red siltstones IIII	
110								granite II	
120							SS118	silty mud	
130									
140									
150	111								

washed - mud →

Expedition 341 S. Alaska Margin:

U1420

A

94R

2A

0-150

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: *clast-rich muddy diamicite*

Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	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, 07-19-13
10								und matrix with fewer clasts	
20									
30								dropstones w/ impact structures	
40									
50								basalt	
60								granite	
70								ven. qb	
80								sandst.	
90								siltst.	
100								greyswale	
110									
120									
130									
140									
150									

← washed, mud →

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:	Date:
									Childress	July 19 2013
0										
10										
20	clast-rich diamict		N3		none	present		- clasts: basalt: 10 granite: 3 sandstone: 14 diorite: 1 siltstone: 15		
30										
40								- one out-sized sandstone (5cm) @ 34cm; all others ~ 1cm		
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

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 19 2013
0										
10										
20	clast-rich diamict		N3		none	present		clasts: siltstone: 0 sandstone: 6 quartz: 3 basalt: 0 granite: 3 - all ~1cm		
30										
40								SS41 - straight out mud!		
50										
60										
70										
80										
90										
93	END									
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1420 A 94R CC-A 900.13m CSF-A
 Site: Hole: Core: Section: Top Depth:

Major Lithology: CLAY-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 19 2013
0	clast-rich diamict		NS	CRACK high	none	present		clasts: sandstone: 4 siltstone: 3 basalt: 2		
13	PAL						PAL			
18										
20										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

U1420 A GSR 1 0 ~ 151cm
 Site: Hole: Core: Section: Top Depth:

Major Lithology: 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: Date:
0				<u>151</u>				sandy, clast-rich diamict - granules & pebbles (up to 4cm) of siltstone, greenstone, sandstone, granitoid → clasts are randomly oriented → sandy mud SS (62)	JM 20.7.13
10									
20					/				
30									
40			N3						
50									
60									
70									
80					/				
90									
100									
110			N3						
120					/				
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: 95R Section: 2 Top Depth: 0-105cm

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								- sandy, clast-rich diamicton granules & pebbles (up to 4cm) of metabasalt, greenstone, siltstone, granitoid	JM 20.7.13
10					/				
20					/				
30					/				
40					/				
50			N3		/				
60					/				
70					/				
80					/				
90					/				
100					/				
110					/				
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 41420 A 95R 3 0-54c
 Site: _____ Hole: _____ Core: _____ Section: _____ Top Depth: _____


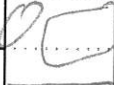
Major Lithology: Diamict Minor Lithology: _____

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: Date:
0									JM 20.7.13
10					✓			sandy clast-rich diamict	
20			N3	✓	✓			fine pyrite-bearing siltstone granules & pebbles (up to 2cm) of siltstone, greenstone, granitoid	
30				✓	✓				
40				✓	✓				
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: 95R CC Section: Top Depth: 0-17c

Major Lithology: 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			N3		/			Sandy clast-rich diamic siltstone	JM 20.7.13
10	PAL 			worked siltstone			7-10	10-17 c. worked pebbles (siltstone)	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

W1420

A

98R

1

0-150m

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology:

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: Date:
0								clast-rich diamict with sandy mud matrix	JM 20.7.13
10								- granules and pebbles (up to 2cm)	
20					✓			of siltstone, sandstone, granitoid, gneiss	
30									
40									
50			N3						
60									
70									
80									
90									
100									
110									
120					✓				
130									
140									
150									

slight washing along liner

Expedition 341 S. Alaska Margin:

41420

A

98R

2

0-131cm

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: 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: Date:
0								clast-rich diamict with slightly sandy/silty mud matrix	JM 20.7.13
10								clasts: siltstone, greenstone, granitoids, granules & pebbles (up to 3cm)	
20					/				
30									
40									
50			N3						
60					/				
70									
80								siltstone (or very fine sandstone?) coarse	
90									
100						shell (98)		shell fragments @ 96.5cm	
110								→ mud with opagues	
120					/				
130							130		
140	DAIG						150		
150									

Expedition 341 S. Alaska Margin:

U1420

A

98R

3

0-135cm

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: 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: Date:
0			N3					0-4cm clast-rich diamict	JM 20.7.13
10			N4		✓			4-68cm: clast-poor (N4) diamict interstratified with N3 clast-rich diamict	
20			N4					gravel & pebbles (up to 2cm) of siltstone, greenstone	
30			N3						
40					✓				
50									
60									
70									
80								68-135cm: clayey clast-poor diamict w/ dispersed clasts & laminae of single grains	
90			N4			shell		shell fragment @ 86.5cm	
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1420 A 96R 1A 0-147
 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			N3					0-147	MF 20/Jul/13
10								* clast-rich deposit	
20								* sandy-mud matrix	
30								* granules & pebbles including siltstone	
40								sandstone argillite	
50								green metasediment (?)	
60								(weathered) basalt (?)	
70								fine-grained sediment with "golden fill" -> pyrite?	
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1420

A

96R

2A

0-55

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			N3					0-55	MF 20/Jul/13
10								# clast-rich diamict	
20								# sandy-mud matrix	
30								# granules & pebbles including	
40								- very-fine sandstone with	
50								weathered feldspar (?) ~ 6cm	
60								- miltstone	
70								- basalt(?)	
80								- greenstone	
90									
100									
110									
120									
130									
140									
150									

bisulid (weak/moderate)

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	00 00		N3					0-16	YF 20/JUL/13
10	00 00							* clast - rich diamict * sandy - mud matrix	
20	PAL						PAL	* granules & pebbles including basalt sandstone siltstone	
30									
40									
50								16-21 Sample PAL	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

In situ (logged to moderate)

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					0-57.5:	TF 20 / Jul / 13
10								* clast-poor diamict * muddy matrix * granite & pebble clasts including * siltstone * greenstone * schist (?) * reddish, fine-grained conglomerate (?) * some "more muddy" intervals separated by "laminar-like" deposits of medium to very coarse sand (close to lower boundary)	
20								* occasional mud clasts, e.g. ~42 cm	
30									
40									
50									
60			N3						
70									
80								* clast-rich diamict * sandy mud matrix	
90							1W	87-100: Sample 1W	
100								* granite & pebble clasts including * quartzite * siltstone * sandstone * vein quartz * basalt * greenstone (?)	
110								* ss 71: rel. many opaque grains	
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1420 A 97R 2A 0-60
 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	Drilling disturb. (slight to mod)				0-60:	MF 20/Jul/13
10								clay-rich diamicton with sandy mud matrix	
20								to see det 1, 57.5-87 for details	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1420 A 97R CC 0-29
 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									VF 20/jul/13
10								No major lithology, 5 bins #1 } volcanic breccia with #2 } Cu-bearing quartz vein #3 } very fine sandstone #4 } meta sandstone #5 } siltstone	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1420 A Hole: 98R Core: 4 Section: 0-71c
 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			N4						JM 20.7.13
10								clast-poor dia-ict granules/grains and few pebbles (→ siltstone & granitoids)	
20					✓		(16 SS)	→ wd (60% clay, as-diat hor-shed)	
30								27-34c: flake structures	
40					✓			34-71c: clast-ice dia-ict sandy wd matrix → granules & pebbles	
50			N3						
60					✓				
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41420 A Hole: 98R Core: CC Section: 0-33c Top Depth:

Major Lithology: 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 20.7.13
10			N3		✓			clast-w/ diamic muddy matrix w/ little sand granules & pebbles (~4cm)	
20					✓			> metasedstones, siltstone, greenstone	
30									
35							34		
38							39		
40								39-45m: metamorphic sandstone (highly)	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
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			N3					0-27: * muddy clast-rich diamict with sand * granules & pebbles including siltstone, metasandstone, basalt, granitoid/gneiss(?)	RF 20/Jul/13
10								* sharp lower boundary	
20								27-33.5: * mud with clast (granules)	
30			5441		mod.			* gradual lower boundary -> bioturbated	
40			N4					* "two-phase upper boundary"	
50								5528: mud	
60								335-108: * clast-poor diamict * intervals more clast rich * scattered mud laminae	
70								* granule & pebble including granite, basalt, greenstone, siltstone, sandstone	
80								5550: mud with sand	
90									
100								108-150: * clast-rich diamict	
110			N3					* sandy mud matrix	
120								* granule & pebble clast including argillite, metasandstone, sandstone, basalt, greenstone, vein quartz, mica-rich greenschist, volcanic breccia with pink feldspar(?)	
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1420 A 99R 2A 0-111
 Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0			N3						KE 20/Jul/13
10								0-111 * muddy clast - with diatomite with sand	
20								* see section 1, 108-150 for clast content.	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1420 A 99R 3A D-78
 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			N3						MF 20/jul/13
10								D-78 * muddy clast-rich deposit with sand # see section 1, 108-150 for clast content	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

washed (light)

~ 75 cm: shell fragment

Expedition 341 S. Alaska Margin:

U1420

A

99R

CC

0-21

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			N3						VF 20/Jul/13
10	PAL			was red (blue) - assumed			PAL	0-21 # see sect. 1, 108-150 cm 17-12 → Sample PAL	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A 100R Core: 1 Section: 0-71 cm
 Top Depth: 0-71 cm

Major Lithology: 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: Date:
0								clast-rich diamict with a sandy mud matrix (6-56 cm)	JM 20.7.13
10					/				
20			N3	washed along liner (Lithobrick)	/			granules & pebbles (< 4 cm)	
30					/			Siltstone, metasandstone, granitoid	
40									
50									
60									
70				washed gravel	/				
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1420

A

101R

1A

962.60m CSF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: silty 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 20 2013
0										
10	silty			CRACK (mod.)						
20	clast-rich diamict		N3	WASH (mod.)	none	present 24-shell frag.		clasts: sandstone: basalt: granite: siltstone: argillite: $ $ quartz: 		
30										
40								shell frag @ 24cm		
50										
60										
70										
80							SS7B - silty mud			
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1420 A DIR 2A 964, 10m CSF-A
 Site: Hole: Core: Section: Top Depth:

Major Lithology: silty 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:	Date:
										Childress	July 20 2013
0											
10				SMALL CORE LINGER CLAST-TIMES ↓							
30	silty clast-rich diamict		N3		none	present		clasts: basalt: HT/III	siltstone: HT/HT/III		
40				STRENGTH (light to med.)				rhyolite: I	sandstone: HT/I		
50								greywacke: I	granite: III		
50								argillite: II			
97	MB10						MB10				
102											
110	IW						IW				
117	END										
120											
130											
140											
150											

Expedition 341 S. Alaska Margin:

Site: 11420 Hole: A Core: 101R Section: 3A Top Depth: 0-62

Major Lithology: last mid silty 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			N3						AB, 07-20-13
10								granite 1	
20								sdst III	
25								basalt III	
30								low siltstone II	
35								siltst. III	
40							SS33	granite 1	
45								silty siltstone 1	
50								sand w. sand	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: 101R Section: CC Top Depth: 0-25

Major Lithology: clast. med silty olivine Minor Lithology: _____

Offset (cm)	Lithology	Sed. Structures	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	was bad, high				siltst. 11 argillite 1 vein qtz 1 greywacke 1 siltst. 1	HB, 07-20-13
10									
20	PAL								
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 1112a Hole: A Core: 102R Section: 1A Top Depth: 0-90

Major Lithology: basalt-rich basalt Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0								basalt, sdst	AB, 07-20-13
4	<u>PAL</u>			<u>W!</u>		<u>o o</u>			
7								sdst.	
10				<u>→</u>		<u>o</u>			
20								basalt <u> </u> sdst. <u> </u> siltst. <u> </u> quartzite <u> </u>	
30									
40									
50	<u>o</u>					<u>o</u>		sdst.	
60	<u>o</u> <u>o</u>					<u>o</u> <u>o</u> <u>o</u>		1. basalt 7-10 sdst., sdst, quartzite, sdst. 2. sdst	
70	<u>o</u> <u>o</u>					<u>o</u> <u>o</u>		3 sdst 4 siltst	
80	<u>o</u> <u>o</u>					<u>o</u> <u>o</u>		6 low siltst. 5 sdst	
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1420

A

103R

1A

982.00m CSF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: silty 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 20 2013
0										
10										
20										
25	silty clast-rich diamict		N3	WASH	none	present				
30				N				clasts: sandstone: IIII silty mud w/ sand		basalt: II II II I
35				MSDF			SS22	siltstone: IIII II		granite: II
40				(slight to mod.)				metasandstone: I hyalite: I		quartz: II
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
145	END									
150										

Expedition 341 S. Alaska Margin: U1420 A 103R 2A 983.45m CSF-A
 Site: Hole: Core: Section: Top Depth:

Major Lithology: silty 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:	Date:
									Childress	July 20 2013
0										
10										
20										
25	silty clast-rich diamict		N3	ISIDE	none	present				
30				ISIDE				clasts: rhyolite: II granite: III		
35				ISIDE				metasandstone: I basalt: IHT IHT II		
40				ISIDE (slight fr. med.)				sandstone: IHT IHT I siltstone: IHT IIII		
45								argillite: I		
50										
60										
70										
80										
90										
100										
110										
120										
123	END									
130										
140										
150										

Expedition 341 S. Alaska Margin: U1420 A 103R CC-A 984.68m CSF-A
 Site: Hole: Core: Section: Top Depth:

Major Lithology: silty CLAST-RICH DIAMICT Minor Lithology: MINOR LITH NOT RECOVERED

Offset (cm)	Lithology	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 20 2013
0	silty clast-rich diamict		N3	WASH (high)		present		-clasts: metasilstone, quartz, basalt, metasandstone (?)		
20	PAL						PAL			
30	X END					1-sandstone				
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: 104R Section: 1A Top Depth: 0-42

Major Lithology: clast-rich 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			103					granite silt basalt siltst	AB, 07-20-13
10				washed, used → b.				sandstone	
20									
30									
33	PAL								
40				*				* washed gravel	siltst. basalt
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: 105R Section: 1A Top Depth: 0-59

Major Lithology: last-orig silty 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			N3						AB, 07-20-13
10				was sed med. → hls?				siltst II pyolite I granite I siltst. III quartzite I basalt III	
20									
30									
40							538	siltst und wgs sand (25%)	
50								wgs was sed gravel basalt siltst.	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: 106R Section: 1A Top Depth: 0-141

Major Lithology: chert. sig 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									AB, 07-20-13
10								basalt 	
20								soamite	
25								ven qb 	
30								si dsl 	
35								argillite	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

soupy mod -> lusc

W

Expedition 341 S. Alaska Margin:

U1420

A

106R

2A

0-119

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology:

dark red

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: Date:
0			N3						HB, 07-20-13
10								basalt 	
15								granite	
20								siltst. 	
25								siltst	
30									
40									
50									
60									
70									
80							SS80	silty mud w. sand	
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1420

A

106R

3A

0-(47)67

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: Date:
0			N3					sdst	AB, 07-20-13
10								sdst I	
20				washed, siltst				siltst oriented clasts	siltst III vein qtz III basalt III
30									
40								silty mud	
50	DAIG								
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1420 Hole: A Core: 106R Section: CC Top Depth: G-20

Major Lithology: dark-red 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			N3						AB, 07-20-13
10								silty III basalt IIII granite I vein qtz II	
20	PAL							soupy	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									