

Expedition 341 S. Alaska Margin:

U1421

A

1H

1A

0-150

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: mud

Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0	mud		10Y4/1						AB, 07-22-13
10									
20									
30									
40							solo	diatom and mud	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1421 A 1H 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	<u>mud</u>		<u>10Y4/1</u>						<u>HB, 07-22-13</u>
10									
20									
30									
40									
50									
60									
70									
80									
90								<u>s93 diat beag mud</u>	
100									
110									
120									
130									
140									
150	<u>IW</u>								

Expedition 341 S. Alaska Margin:

U1421 A 1H 3A 0-150
 Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0	mud		N4						AB, 07-22-13
10									
20								gradational	
30			1074,						
40									
50									
60									
70									
80									
90									
100									
110								↓ slight black mottling, FeO	
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1421

A

1H

4A

4.50m CSF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: Diatom Bearing Mud

Minor Lithology: Diatom Rich Mud

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: July 22 2013
0										
10			N4				559	diatom bearing mud		
20										
30	diatom bearing mud		10Y 4/1							
40										
50										
60										
70					slight			63-145: black mottling (thin flecks of it, 110-145cm)		
80	diatom rich mud (w/ forams)		10Y 4/2				558	diatom rich mud. (w/ forams)		
90										
100	diatom bearing mud		10Y 4/1							
110										
120										
130										
140										
150	IW						IW			

Expedition 341 S. Alaska Margin:

U1421

A

1H

5A

6.80m CSF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: Diatom bearing mud

Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: July 22 2013
0										
7										
10										
20	diatom bearing mud	LA M.	10Y 4/1	Banded (slight)				*parallel lam: color of bands yellowish-brown (5Y 5/3?) ↳ <1mm thick w/ 2mm thick mud between		
22										
30										
40						42 (2x)				
50										
60										
70	END									
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

U1421

A

1H

CC-A

6.65m CSF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: Diatom bearing mud

Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:
									Childress	July 22 2013
0										
10	diatom bearing mud		10Y 4/1			absent		*blackmottling		
12	PAL						PAL			
17										
20										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: U1421 Hole: A Core: 2H Section: 1A Top Depth: 0-150

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0	mud		10Y4/1			present			AB, 07-72-B
10									
20							ss20	diat. b. mud	
30									
40									
50									
60									
70									
80									
90									
100								pod. of coarse sand	
110									
120									
130								pod. of coarse sand	
140									
150								siltstone, pebble 1 cm, subangular	

Expedition 341 S. Alaska Margin:

Site: U421 Hole: A Core: 2A Section: 2A Top Depth: 0-150

Major Lithology: 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:
0									HB, 07-22-13
10	mud w. common clasts		(044)					shell fragment 3mm	
20								1.5 cm, angular, siltst.	
30							S33	silty mud w. diatoms	
40									
50								shell (gastropod?) in WH!	
60									
70								siltst.	
80								downward increase in black patches with FeO	
90									
100									
110									
120									
130								siltstone	
140									
150	lw								

Expedition 341 S. Alaska Margin:

U1421

A

2H

3A

0-150

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: 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:
0	mud ○		N4			○		sandstone 1	AB, 07-22-13
10									
20	m. common clasts								
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: N1421 A 2H 4A 11.30m CSF-A
 Site: Hole: Core: Section: Top Depth:

Major Lithology: 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 22 2013
0										
10										
20	Mud w/ common clasts		N4	SUSP (slight)		present		15-26% patches of silt clasts; siltstones (2mm - 3cm)		
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150	IW						IW			

Expedition 341 S. Alaska Margin: U1421 A 2H 5A 12.80m CSF-A

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

Major Lithology: silty mud w/ common clasts Minor Lithology: MUO w/ common clasts

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:
									Childress	July 22 2013
0										
10	mud w/ common clasts									
20			N4							
30								20-31: sand patches		
40						present		SS30 - silty mud (25%)		
50			N3					- clasts: siltstones (up to ~1cm)		
60	silty mud with common clasts									
70										
80										
90										
100										
110										
120								SS14 - silty mud w/ sand		
130										
140						HI-shell frag.		→ shell frag. dug up from 150		
150										

Expedition 341 S. Alaska Margin:

U1421 A 2H GA 14.30m CSF-A
 Site: Hole: Core: Section: Top Depth:

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: Childress	Date: July 22 2013
0										
10										
20	silty mud w/									
30	common clasts		N3			present		- clasts: siltstone (up to 3.5cm), sandstone		
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140	IW						IW			
150										

Expedition 341 S. Alaska Margin: U1421 A 2H 7A 15.70m CSF-A
 Site: Hole: Core: Section: Top Depth:

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 22 2013
0										
10										
20	silty mud w/ common clasts		N3			present	SS22	silty mud - clasts: sandstone, argillite (frag)		
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1421 A 2H CC-A 16.38m CSF-A
 Site: Hole: Core: Section: Top Depth:

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 22 2013
0	silty mud w/ common clasts		N4			present					
12	PAL						PAL				
17											
20											
30											
40											
50											
60											
70											
80											
90											
100											
110											
120											
130											
140											
150											

Expedition 341 S. Alaska Margin:

U1421

A

3H

1A

0-150

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: 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:
0									HB, 07-22-13
10	○		N4			○		mudstone breccia, SW	
20								mudstone	
30								siltst.	
40									
50							845	mud, no bio	
60									
70									
80									
90									
100	○					○		siltst., 2 fragments 4cm	
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1421

A

3H

2A

0-145

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: mud w. c. 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			N4						HB, 07-22-13
10									
20								sdst. 6 cm, subangular	
30									
40								sdst. "	
50									
60									
70									
80									
90									
100								sdst, 5 cm, subangular	
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1421 Hole: A Core: 3A Section: 3A Top Depth: 0-150

Major Lithology: mud Minor Lithology: _____

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0	<u>mud</u>		<u>N4</u>						<u>HB, 07-22-13</u>
10	<u>w. cov. clasts</u>								
20									
30									
40									
50									
60									
70	<u>mud w. disp. clasts</u>		<u>10Y 4/1</u>						
80									
90									
100							<u>ests</u>	<u>diatom bearing mud</u>	
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1421 A 3H 4A 0-150
 Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology: _____

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0	mud		10Y4/1						HB, 07-22-13
10	w. disp. clasts								
20									
30								colst. 1 siltst. 1	
40									
50									
60									
70	0					0		sandstone, pebble, 1.5 cm	
80									
90									
100									
110									
120	0					0		siltst, pebble	
130									
140									
150	lw								

Expedition 341 S. Alaska Margin:

U1421

A

3H

5A

22.30m CSF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: MUD w/ Diatoms

Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:
									Childress	July 22 2013
0										
10	mud w/ diatoms		N4							
20				section (light)						
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

U1421

A

5H

6A

23.80m CSF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: MUD w/ DIATOMS

Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: July 22 2013
0										
10							10, 11, 13			
20										
30							30	22-27: bowed sand lamina		
40			N4				37	5530 - mud, w/ diatoms		
50	mud w/ diatoms						42, 44, 48			
60										
70			grad.				65, 66			
80	silty mud		N3				72, 76			
90							85(2x), 88			
100							94, 96			
110							101, 102			
120	IW END						108, 112			
130										
140										
150										

Expedition 341 S. Alaska Margin: U1421 A 3H 7A 25.01m 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:	Date:
									Childress	July 22 2013
0										
10										
20	Silty mud		N3		—	10 clasts > 2mm				
30										
40										
50										
60										
64										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1421 A 3H CC-A 25.65m 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 22 2013
0										
10	silty mud		N3		—	Ø clasts > 2mm				
26										
27	PAL	—					PAL			
28	END									
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: U1421 Hole: A Core: 4H Section: 1A Top Depth: 0-144

Major Lithology: ud Minor Lithology: _____

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0	<u>ud</u>		<u>N4</u>						<u>HB, 07-22-13</u>
10	<u>w. 0</u>					<u>0</u>		<u>3cm meta-sandstone → gneiss</u>	
20	<u>coll. clasts</u>					<u>0</u>		<u>2cm rounded sdst.</u>	
30									
40								<u>gneiss 1</u>	
50								<u>sdst. 1</u>	
60									
70									
80									
90									
100							<u>ssg</u>	<u>silty mud</u>	
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1421
Site:

A
Hole:

5H
Core:

CC
Section:

0-11
Top Depth:

Major Lithology: und Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0	und			und					HB, 07-22-13
10	PAL								
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									


Expedition 341 S. Alaska Margin: U1421 A 6H 1A 44 80m CSF-A
 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:
0									Childress July 22 2013
10									
20									
30									
35	silty mud w/ abundant clasts		N3	B Y W I R E S P L I T T I N G		present		-clasts: sandstone, argillite (up to ~2cm) (many clast lithologies obscured by wire splitting)	
40									
50									
60									
70									
80									
90									
100									
110									
120							55120	silty mud	
130									
140	VOID					VOID			
150									


Expedition 341 S. Alaska Margin: U1421 A 6H 2A 46.30m CSF-A
 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: <u>Childress</u>	Date: <u>July 22 2013</u>
0										
10										
20			<u>N3</u>			<u>present</u>		<u>- clasts: sandstone, mudstone</u>		
30	<u>silty mud w/ abundant clasts</u>	<u>—</u>						<u>(many clast lithologies obscured by wire splitting)</u>		
40						<u>42-sandstone (2cm)</u>				
50										
60										
70										
80				<u>separation (slight)</u>						
90										
100										
110										
120										
130										
140										
150	<u>IW</u>						<u>IW</u>			

Expedition 341 S. Alaska Margin: U1421 A 6H 3A 47.80m CSF-A
 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 22 2013
0										
10										
20	silty mud w/ abundant clasts									
30			N3			present		- clast lithologies obscured by wire splitting		
40										
50										
60										
70										
80										
90										
100										
110						112 - Sandstone (4cm)				
120						120 - mudstone (3cm)				
130										
140							SSB5 - silty mud			
150	IW						IW			

Expedition 341 S. Alaska Margin:

U1421

A

6H

4A

49.30m CSF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: silty mud w/ abundant clay clasts

Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: July 22 2013
0										
10										
20										
30	silty mud w/ abundant clasts		N3			present		clast lithologies obscured by wire splitting		
40				← coccos (slight to much)						
50										
60										
70										
80										
90										
100										
110				← coccos (high)						
120										
130										
140										
150										

END

Expedition 341 S. Alaska Margin:

Site: U1421 Hole: A Core: 7H Section: 1A Top Depth: 0-150

Major Lithology: mud

Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0	mud		10/3/11			present			HB, 07-22-13
10	0					0		sandstone, rounded, 1-5 cm	
20								sandst. 1	
80	?					o		gravel	
120								shell fragment	
130	o					o		gravel	
150									

Expedition 341 S. Alaska Margin:

Site: U421 Hole: A Core: 7H Section: 2A Top Depth: 0-150

Major Lithology: Mud Minor Lithology: _____

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: <u>AB</u> Date: <u>07-22-13</u>
0	<u>Mud</u>		<u>10Y4/1</u>				<u>7</u>		
10									
20							<u>0</u>	<u>grauwle</u>	
30							<u>0</u>	<u>grauwle</u>	
40								<u>argillite / siltst. 1</u>	
50									
60							<u>0</u>	<u>grauwle</u>	
70							<u>0</u>	<u>grauwle</u>	
80									
90									
100							<u>0</u> <u>x</u>	<u>shell fragment argillite, 1cm</u>	
110									
120									
130							<u>0</u> <u>x</u>	<u>shell fragment siltstone pebble 1cm</u>	
140									
150							<u>0</u>	<u>grauwle</u>	

Expedition 341 S. Alaska Margin:

U1421

A

7H

3A

0-150

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: mud w. disp. clasts

Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0	mud w. disp. clasts		10Y4/1						AB, 07-22-88
10									
20									
30							SS30	mud w. diatoms	
40									
50	*						*	shell fragment	
60									
70									
80	☺						☺	slate lens in WH, angular	
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1421 Hole: A Core: 7H Section: 4A Top Depth: 0-150

Major Lithology: mud Minor Lithology: _____

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0	<u>mud</u>		<u>10Y3/1</u>			<u>4</u>			<u>HB, 07-22-13</u>
10									
20						o			
30						o		<u>4 granules</u>	
40									
50									
60									
70									
80						o			
90									
100									
110						o		<u>shell fragments</u>	
120									
130									
140									
150	<u>mud</u>								

Expedition 341 S. Alaska Margin: U1421 A 7H 5A 56.80m CSF-A
 Site: Hole: Core: Section: Top Depth:

Major Lithology: mud w/ Abundant clasts Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:
									Childress	July 22 2013
0										
10	round w/ diatoms		10Y 4/1			clasts > 2mm				
20										
30	silty mud		N3					clasts: sandstone, quartzite (max = 1.5cm)		
40	w/ abundant clasts					present	SS45	plus others obscured by wire cutting. silty mud w/ sand		
50										
60										
70										
80										
90										
100										
110										
120										
130							SS130	silty mud w/ sand		
140										
150										

Expedition 341 S. Alaska Margin:

U1421

A

7H

6A

58.20m CSF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: MUD w/ ABUNDANT CLASTS

Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: July 22 2013
0										
10										
20	silty mud w/ abundant clasts		N3			present		clasts: siltstone, basalt, rhyolite (all 3-4cm) plus others obscured by wire cutting		
30										
40								stratification: recurrent silty intervals		
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

V1421

A

7H

7A

59.60m CSF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: 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: Childress	Date: July 22 2013
0										
10	silty mud w/ common clasts		N3			present				
20								clasts: sandstone, plus others obscured by wire split		
30										
40										
50										
60	END									
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: u1421 A 7A CC-A 60.21m CSF-A
 Site: Hole: Core: Section: Top Depth:

Major Lithology: 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: Childress	Date: July 22 2013
0	silty mud w/									
10	Common clasts		N3			present				
30	PAL						PAL			
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

U1421

A

9H

1A

65.50m 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 22 2013
0	Sandstone bedded							HEAVY DISTURBANCE FROM WIRE CUTTING		
10										
20	silty clast-poor diamict		N3			present				
30										
40										
50										
60										
70										
80										
90						fine sandstone				
100										
110						fine mica schist				
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1421 A 9H 2A 67.00m 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 22 2013
0										
10	silty clast- poor diamict		N3			present		clasts: basalt: III siltstone: IIII chert: I sandstone: IIII argillite: II granite: II metasandstone: I - up to ~ 2.5cm		
20										
30										
40										
50										
60										
70										
80										
90							SSBS - silty med. ind. sand			
100										
110										
120										
130										
140	IW						IW			
150										

Expedition 341 S. Alaska Margin: U1421 A 9H 3A 68.50m 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: Childress	Date: July 22 2013
0										
10	silty clast poor diamict		N3	MUD CLAST SMEAR		β-shell frag.				
20								clasts: basalt: IIII sandstone: IXXI		
30								siltstone: IXXI granitoid: III		
40						present		argillite: I - up to ~ 2cm		
50										
60										
70										
80							SS-75	silty mud w/ sand		
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1421 Site: A Hole: 9H Core: CC-A Section: 70.02m CSF-A 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: Childress	Date: July 22 2013
0										
10	silty CLAST-POOR diamict		N3			Present		- clasts: siltstone: III sandstone: IIII basalt: I granite: II		
23	PAL						PAL			
28	END									
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

U1421

A

10H

1A

0-54

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: *clast-ns*

Minor Lithology: *diamicton*

Offset (cm)	Lithology	Sed. Structures	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, 07-22-13
10							slb	vein qb III silty sdst III basalt 	
20								silty and w. sand (20%)	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1421 Hole: A Core: 10H Section: CC Top Depth: 0-13
 Major Lithology: clast rich diamicct Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	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. m	AB, 07-22-13
9									
10	PAL								
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1421 Hole: A Core: 11H Section: 1A Top Depth: 0-150

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: Date:
0			N3						AB, 07-22-13
10								silt #1111	
20								grauk #11	
30								basalt #11	
40								ryolite #11	
50								sanded #111	
60								den qz #11	
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1421 A UH ZA 72.300m
 Site: Hole: Core: Section: Top Depth: ~~71.85~~ CSF-A

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 22 2013
0										
10	silty clast		NS			present		clasts: basalt: X111 granitoid: 11		
20	poor diamict							sandstone: X111 siltstone: X111111		
30								argillite: 11		
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140	IW									
150										

Expedition 341 S. Alaska Margin:

U1421

A

11H

3A

73, 80m 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 22 2013
0										
10	silty clast									
20	poor diamict		N3			present		clasts: argillite: 11 sandstone: 11 granitoid: 11		
30										
40										
50										
60										
70										
80										
90										
100	END									
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

U1421

A

11H

4A

74.81m CSF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: CLAY-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 22 2013
0										
10	silty clay- poor diamict		N3			present		clasts: sandstone: IIII basalt: IIII siltstone: IIII granitoid: I		
20										
30										
40										
50										
60										
70	ENO									
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

U1421

A

11H

CC-A

75.48m 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 22 2012
0	silty clast									
10	poor diamict		N3			present		clasts: granitoid: III sandstone: III basalt: 1		
20 ₂₁	PAL						PAL			
26	END									
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: 11421 Hole: A Core: 12H Section: 1A Top Depth: 0-151

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:
0			N3						AB, 07-22-13
10								granite II	
15								basalt # III	
20								vein qtz # III	
25								asphale I	
30								siltst. # III II	
35								sandst III	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1421

A

RA

2A

0-151

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology:

clast-poor

diamicct

Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	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, 07-22-13
10								sandst III	
20								siltst III	
30								argillite I	
40								granite II	
50								basalt III	
60								vein g ₂ III III	
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1421

A

RH

3A

0-121

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: *last pool*

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									AB, 07-22-13
10			U3					sandst II siltst II basalt III granite V red siltst I mica siltst I vein gk III	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1421 Hole: A Core: 12H Section: 4A Top Depth: 0-55

Major Lithology: *clast-poor* *diagenet* Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	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, 07-22-13
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

107 4/11

cues-u high

VOID

Expedition 341 S. Alaska Margin:

Site: U1421 Hole: A Core: 12H Section: CC Top Depth: 0-21

Major Lithology: dark-poor diamicct Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0									LAB, 07-22-13
10									
20	<u>PAL</u>		<u>10Y4/1</u>	<u>8ucl-14</u>					
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1421 A 13H 1A Co. 20m 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: Childress	Date: July 22 2013
0										
10	clast-poor diamict		N3			present		clasts: basalt: III siltstone: IIII		
20								metavolcanic: I Sandstone: IIII		
30								lam siltstone: I gneiss: I		
40								argillite: I quartzoid: IIII		
50										
60										
70										
80										
90										
100										
110										
120										
130										
140	IW						IW			
150										

Expedition 341 S. Alaska Margin: U1421 A 13H 2A 81.70m CSF-A
 Site: Hole: Core: Section: Top Depth:

Major Lithology: LAGI-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 22 2013
0										
10										
20	clast. Poor diamict		N3			present		clasts: sandstone: <u>KT1</u> ^{with yellow quartz} gneiss: 1 meta sandstone: 1 siltstones: <u>KT11</u> basalt: <u>KT111</u> marble?		
30										
40										
50						44-shell frag.				
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

U1421

A

13H

CC-A

83, 10m 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 22 2013
0										
10	clast-poor diamict		N3			present		- clasts: sandstone: III siltstone: III - mostly small granules		
21	PAL						PAL			
26	END									
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: U1421 A MH 1 0-150c
 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				124.1				siltstone ϕ 6cm	JM 23.7.13
10								- clast-rich diamict	
20					/			& granules & pebbles (up to 3cm)	
30								of siltstone, metasiltsstone, granitoids,	
40					/			little greenstone	
50								- sandy mud matrix	
60			N4						
70					/				
80								SS (PS) 83-85 - slightly more clasts	
90					/			Sandy silt: very fine sand with	
100								few oversized sand grains, rounded	
110								vol. ark (green & brown, clean, angular)	
120					/			+ glauconite	
130									
140					/				
150									

Expedition 341 S. Alaska Margin:

Site: U421 Hole: A Core: 14H Section: 2 Top Depth: 0-120cm

Major Lithology: Diaconite

Minor Lithology: _____

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0									JH 23.7.13
10				/	/			clast-rich diaconite with red and white granules & pebbles (up to 5cm) → siltstone, granitoid, metabasite & metasedstone	
20									
30									
40									
50			N4	/	/				
60									
70									
80				/				metasiltstone (light green/gray)	
90									
100									
110								metasedstone	
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 47421 A Hole: 14# Core: 3 Section: 0-54c Top Depth:

Major Lithology: Diacid Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0									JM 23.7.13
10	○			/	/			clast-rich diacid sandy mud matrix granules & pebbles (up to 3cm)	
20			N4	/				→ siltstone, calcareous, gray beds	
30	○ ○ ○ ○								
40	○ ○ ○ ○			/	/				
50	○ ○ ○ ○			/					
60	—								
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1421 Hole: A Core: 14H Section: CC Top Depth: 0-19cm

Major Lithology: 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	o								JM 23.7.13
10			N4	/	/			clast-rich diatomite; sandy and matrix → granules & pebbles (up to 1cm) of siltstone, greenstone	
20	<u>PAL</u>						19-24		
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41421 A Hole: 15H Core: 1 Section: 0-37cm 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									JM 23.7.13
10								clast-rich diamict granules in mud matrix (with red)	
20			N4	as-sect. le -diamict / lips				14-20 cm - biotite-quartz gneiss	
30				biotite					
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41421 A Hole: 15H Core: CC Top Depth: 0-250

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 27.2.13
10			N4	/	/			clast-ced diachrit with mud matrix with sand	
20				/	/			- granules & pebbles (up to 1cm) → siltstone, gra-boid. greenstone	
30	PAL	-					25-31		
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41421 A Hole: 16H Core: 1 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								fine mud matrix dia-ict (clast-rich)	JM 23.7.13
10					○			granules & few pebbles (up to 1cm)	
20			N4					→ siltstone, granitoids	
40	○								
50					○	shell		shell fragment @ 54cm	
70	○ <u>wid</u>							73-83cm 1L	
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: UN 21 A Hole: 16H Core: CC Section: D-27c
 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									DM 23.7.13
10			N4	/	0			clast-rich diacrit fragments of siltstone, granitoid, greenstone	
20	<u>PAL</u>						22- 27		
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1421

A

17H

1A

0-150

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology:

Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0			N4					0-149.5:	RF 23/Jan/13
10								* clast-rich diamic	
20								* sandy mud matrix (sand fine-grained)	
30								local rhyolite	
40								quartz sandstone	
50								metastone	
60								quartzite	
70									
80								149.5-150: VOID	
90									
100								o rhyolitic conglomerate?	
110									
120									
130									
140									
150	VOID								

Expedition 341 S. Alaska Margin:

U1421 A 17H 2A 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			N4					0-145	TF 23/Jab/13
10								* clay - rich diamict	
20								* sandy mud matrix (fine grained sand)	
30								basalt	
40								vein quartz	
50								argillite	
60								sandstone	
70								siltstone	
80								granitoid	
90								metasediment	
100								metamorphic unknown	
110								gneiss	
120								phyllite	
130									
140									
150	Void								

Expedition 341 S. Alaska Margin:

Site: U1421 A Hole: 17H Core: CC Section: D-39
 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								0-33.5:	PF 23/Jul/13
10								↓ clast - mch diam. et.	
20								↑ sandy mud matrix	
30								oligoclite	
35								metabase	
40	PAL						PAL	basalt	
45								vein quartz	
50								metamorphic unknown (green) ^{light}	
55								sandstone	
60								gneiss	
65								gneiss (?)	
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1421 Hole: A Core: 19 H Section: 1 Top Depth: 0-140 cm

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								clast-rich diacrit	JM 23.7.13
10								- silty mud matrix	
20					/			- granules & pebbles (up to 4 cm)	
30								→ siltstones, greenstone, granitoids, sandstone	
40									
50									
60									
70					/				
80									
90									
100									
110									
120					/			118-132 cm: accumulation of bigger (> 2 cm) pebbles	
130					/			metasiltstone with quartz veins, meta siltstones	
140									
140	IW						140		
150							150		

Expedition 341 S. Alaska Margin:

Site: 41421 A Hole: 19H Core: 2 Section: 0-140cm
 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 23.7.13
10	○			/	/			(fine) sandy clast-rich diamict granules & pebbles (up to 2cm) of siltstone, sandstone, granitoids, gneiss	
20	○			/	/				
30				/				- some dragging of clasts while sawing the core	
40	○		N4 to N3				SS (40)	↳ may suggest some sort of orientation (that's not real)	
50	○								
60				/	/				
70	○								
80				/					
90				/					
100	○				/				
110	○			/					
120	○			/	/				
130	○			/	/				
140	—								
150									

Expedition 341 S. Alaska Margin:

Site: U1421 A Hole: 19H Core: CC Top Depth: 0-21c

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					Silty clast-rich diamict granules & pebbles (up to 2cm) - siltstone, granitoid	JH 23.7.13
10	○		N3	slight disturbance	○				
20	○ void PAL								
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 97421 Hole: A Core: 20X Section: 1 Top Depth: 0-52cm

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				1-2				metasiltstone	JM 22.7.13
10			N3		/			11-13cm: siltstone with ^{partly} pyritised shell fragments (coated with pyrite)	
20							SS (19) → just mud	siltstone ϕ 4cm, or fine sandstone	
30									
40					/			siltstone (almost rectangular)	
50								all → all	
60							25-27	2 clast-in diamicton (muddy matrix)	
65									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 427 Hole: A Core: 21X Section: cd Top Depth: 0-38

Major Lithology: Diacite

Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	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 23.7.13
10	○		N3		○			clast-rich diacite gravel & pebbles (up to 2cm) of siltstone, greenstone, granitoid	
20	○ ○		N4				SS (15)	→ just mud	
30	○								
35	PAL								
40	○							warmed pebble (silt- or sandstone)	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 4421 Hole: A Core: 22x Section: 1 Top Depth: 0-90cm

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	JM 23.7.13
10				/	○			granules & pebbles (up to 5cm)	
20				/				- siltstone, Letasiltstone, meta-sed-stone, grauitoids	
30									
40			N4	/	○				
50				/					
60				/	○				
70				/					
80				/					
90	void								
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41421 A Hole: 22x Core: 2A Section: 0-72cm Top Depth:

Major Lithology: Mud w. Biosilica

Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	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					0-3cm: clast-rich siltstone (for sand)	JM 23.7.13
10								3-72cm: clayey, clast-poor mud with thin (0.2cm) layers of silt?	
20							SS (24)	mud with biosilica (5% sponge spicules)	
30			10% 4/1					granules & pebbles (up to 1.5cm) of siltstone, granitoid & meta-sandstone	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U.1421 A 22X CC 0-32

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud with disp. clasts Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0	00			/				mud with dispersed clasts and sand grains	JM 22.7.13
10	00		10Y 4/1	/	0				
20	00			/			SS (28)	→ biosilic. heavy mud	
30									
35	PAL						32-38		
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41421 A Hole: 23X CC Section: 0-66cm 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	DM 23.7.13
10					0			few granules, more pebbles (up to 2cm) of siltstone, gray-toid,	
20			N4	/			SS (22) →	greenstone mid with some sand	
30			N3		0				
40									
50				/	0			dotted siltstone	
60				/				dotted & washed silt- or fine sandstone	
70								pebble (6x6cm)	
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1421

A

24x

1A

0-50

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					0-44.5	MF 23/Jul/13
10								* clay-rich diamic	
20								* muddy matrix	
30								basalt 	
40								silstone	
								argillite	
								sandstone 	
								basalt 	
50	PAL						PAL	metasilstone	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1421

A

25X

CC

0-54

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			U3					0-49	MF 23/Jul/13
10								* clast-rich deposit	
20								* sandy sand matrix	
30								basalt	
40								greenstone	
50	PAL						PAL	sandstone	
60								argillite	
70								metstone	
80								mudstone	
90								chert quartz	
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1421 A 26X CC 0-70
 Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0			N3					0-58	YF 23/jul/13
10								# clast - ml diamict # sandy mud matrix	
20								basalt	
30								metstone	
40								sandstone	
50								argillite	
60								thin quartz	
70	PAL						PAL	metasandstone	
								ryholite	
								quartzite	
								58-63 PAL	
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1421 A 27X CC 0-17
 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	PAL		N3				PAL	0-6	VF 23/Jul/13
10	PAL							# sample PAL	
20								6-12	
30								# clast - med. diamid	
40								* sandy mud matrix	
50								↳ little mud & two pebbles	
60								1 meta-illite	
70								1 sandstone	
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41421 A Hole: 28X Core: CD Section: 0-76cm 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								0-5 cm: moderate to high drilling disturbance (washed)	JM 23.7.13
10					/				
20								clast-rich diamict with waddy matrix	
30					/			clasts: mainly pebbles (irregular!) up to 4cm	
40			N3 to N4		/			siltstone, granitoid, greenstone, metasilstone	
50					/				
60					/		61-66		
70								metasedstone & metasilstone pebbles (washed)	
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41421 A Hole: 29X Core: CD Section: 0-26cm Top Depth:

Major Lithology: Diast Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	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	/	/			0-12cm: clast-act diastict granules & few pebbles of siltstone, some metasediment	JM 23.7.11
10	PAL						12-17		
20								washed metasediment pebbles (2)	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 41421 A 30X CC 0-50

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

Major Lithology: 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	<u>PAL</u>		/	/	/			<u>0-1 cm PAL</u> <u>wasted piece of metasilstone</u>	<u>JM</u> <u>23.7.13</u>
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1421 Hole: A Core: 31X Section: CC Top Depth: 0-44

Major Lithology: *clast-poor 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					red siltstone 1	HB, 07-23-13
10								basalt 11	
18.5	x							silty mud sdt 1111	
20						x	SLS	shell vein gtz 1	
				*				* siltst. 1111	
				*				* siltst. in high	
33	PAL								
38									
40	000			*		0 ¹ 0 ₂ 0 ³		* washed gravel	
50								1 argillite	
								2 sdt.	
								3 sdt.	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1421 Hole: A Core: 33X Section: CC Top Depth: 0-27

Major Lithology: clay-poor silty 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					sdst. 11 siltst. 11 grauke 1	AB, 07-23-13
21				+				+ sud-in lith	
27	PAL								
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1421 Hole: A Core: 34X Section: 1A Top Depth: 0-67

Major Lithology: clast-rich silty diamicite Minor Lithology: clast-poor diamicite

Offset (cm)	Lithology	Sed. Structures	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, 07-23-13
10							← clast-poor d. basalt II siltst II granite gneiss I		
20							SR	silty mud w. sand (50%)	
30			N3				← clast-rich d.		
40								basalt III gneiss I siltst III sandst III granite II asbillel	
60								+ washed gravel	
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

V1421 A 35X CC-A 239.70m CSF-A
 Site: Hole: Core: Section: Top Depth:

Major Lithology: NOT RECOVERED

Minor Lithology: CLAST-RICH 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 23 2013
0	silty clast-rich diamict		N3			present		clasts: sandstone (3), basalt (2), siltstone (granules) ↓ up to 3cm		
10	PAL			WASH		l	PAL	sandstone		
16	END									
20										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

11421

A

36X

1A

246.40 m CSF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: CLAST-RICH DIAMICT

Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: July 23 2013
0										
10								upto cobble(?) clasts: sandstone: 8 greywacke: 2 siltstone: 9 gneiss: 2		
20	silty clast-rich diamict		N3			Present		granitoid: 2 basalt: 6 quartz: 2 argillite: 1 phylolite: 1 -all others pebble		
30										
40										
50							SSS2 - silty mud			
60										
70										
76	PAL ↓						PAL ↓	→ clasts, returned from PAL?		
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

U1421

A

37X

1A

256, 10m CST-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: CLAST-POOR DIAMICT

Minor Lithology: CLAST-RICH 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 23 2013
0	silty clast- poor diamict		N3			present	SS10	- clasts: greywacke: I sandstone: II - up to 2cm	basalt: III siltstone: I	
18								silty mud, w/ sand		
20	PAL						PAL			
23										
30	silty clast rich diamict		N3			presen		- clasts: siltstone: II sandstone: III - up to 5cm	ryholite: I metasiltstone: I	
38	END								argillite: I	
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: U1421 A Hole: 38X Core: 1A Top Depth: 0-54

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					0-48.5	PF 24/Jul/13
10								* clay - not described	
20								* sandy mud matrix	
30								* granules & pebbles	
40								vein quartz	
50								basalt	
60								sandstone	
70								metasediment	
80								ryholite	
90								siltstone	
100								argillite	
110								granitoid	
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1421 A Hole: 39X Core: 1A Section: 0-57 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					0-46.5	MF 24/jul/13
10								* clast - red diorite	
20								* sandy mud matrix	
30								* granules & pebbles	
40								greenstone I	
50	PAL							sandstone III III	
60								diorite I	
70								sandstone with quartz veins III	
80								conglomerate (?) I	
90								meta-sediment III	
100								basalt II	
110								siltstone III	
120								granitoid I	
130								granite-sandstone contact ?	
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1421 A Hole: 40X Core: CC Section: 0-50
 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					0-45	MF 24/Jul/13
10								clast - not diamant	
20								sandy mud matrix	
30								granules & pebbles	
40								sandstone	
50							<u>DAL</u>	basalt	
60								argillite	
70								metasediment	
80								folded gneiss (mica-rich)	
90								conglomerate	
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U421 Hole: A Core: 41X Section: 1 Top Depth: 0-62cm

Major Lithology: Mud Minor Lithology: _____

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0								massive clayey mud	JM 24.7.13
10				/				with few dispersed sand grains	
20			10Y 4/1	/	moderate to high			(Σ 4 granules > 2mm)	
30				/			SS (3.0)	→ diatom sea-sed with volc. ash	
40									
50				/					
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1421 Hole: A Core: 41X Section: 2 Top Depth: 0-60c

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0								clayey mud - somewhat stratified	JH 24.7.13
10			10Y 4/1	moderately discolored	moderate high			few dispersed clasts (E S) grains & pebbles	
20									
30						shel		shell fragments @ 29	
40							SS (40)	→ diatom-rich mud	
50	PAL						47 52	51-60c: washed pebbles silt- & sandstone	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41421 A Hole: 42X Section: 1 Top Depth: 0-70c

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 24.7.13
10					/			granules & pebbles (up to 5cm) of siltstone, metasandstone, granitoids, greenstone	
20			N3 to N4	slight disturbance	/				
30					/				
40									
50					/			dilled rock! @ 50-59 cm (meta-sandstone) above diamict	
60									
70	PAL						70-73		
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41421 A Hole: 43 X Core: CC Section: 0-53cm 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 24.7.13
10				<i>moderate disturbance & washing</i>	/			clast-rich diamic, sandy mud with granules & pebbles (up to 5cm) siltstone, granitoids, sandstone	
20			N3		/			21-29cm: washed gravel (high dd)	
30					/				
40					/			big (5 x 4 cm) silt- or sandstone (very fine) → metasediment (with quartz, pyrite)	
50							47-52		
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 69421 Hole: A Core: 44x Section: CC Top Depth: 0-49cm

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 24.7.13
10								clast-rich diamict with sandy mud matrix	
20			N3	bioturb. / wash			SS (76)	few granules & big pebbles (> 4cm) of siltstone, sandstone, gneiss, metasedim. breccia, mud.	
30									
40	PAL						36-41		
50				← washed gravel				meta sandstone	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:





Site: U1421 A Hole: 45X Core: CC Section: 0-50
 Top Depth:

Major Lithology: _____ Minor Lithology: _____

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0			N4					0-38.5	YF 24/July/13
10								- clay-rich muddy diagenetic - granules & pebbles, including	
20								Sandstone III	
30								basalt III	
40	 PAL							greenstone I diagenite I metasediment I	
50								metamorphic indet. II sltstone II argillite I	
60								38.5-44.5	
70								Sample PAL	
80								44.5-50	
90								washed pebble basalt I	
100								sandstone II granite II	
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1421 A 46x CC 0-27
 Site: Hole: Core: Section: Top Depth:

Major Lithology: _____ Minor Lithology: _____

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0			<u>N4</u>						MF 24/Jul/13
10								0-16.5 - clast - with muddy laminated with sand	
20	 PAL						PAL	- granules & pebbles including	
30								16.5 - 21.5 } greenstone I sample PAL } sandstone II	
40								21.5 - 27	
50								washed pebble of nitstone & basalt(?) -> 5 pcs.	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1427 A Hole: 49x CC Section: 0-49.5 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			114					0-29	MF 24/Jul/13
10								* clast-rich diagenet * sandy mud matrix	
20								* granules & pebbles metasediments	
30							PAL	agellite sandstone	
40								basalt metstone	
50								29-34 Sample PAL	
60								34-49.5	
70								washed pebbles sandstone, basalt, meta- sediment, granitoid ⇒ > 10 pcs.	
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1421 Hole: A Core: 48X Section: CC Top Depth: 0-50

Major Lithology: clast-rich silty diamicton Minor Lithology: major 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:
0			N3						AB, 07-24-13
10								siltst. III silt. I	
20				+		On O ₃ O ₂		washed gravel 1 sandst. 2+3 siltst.	
30	PAL							← major lith. not recovered	
40				+				washed gravel are ill. siltst. III, siltst. III	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1421 A 49X CC-A 372.50m 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 24 2013
0										
10	silty clast-poor diamict		N3	WASH (slight to med)		present		clasts: siltstone:lll basalt:ll sandstone:llll granitoid:l		
20						15 - shell frag.				
22										
30	X			WASH (high)		12		clasts: sandstone:lll (cobble) siltstone:llll basalt:ll argillite:l		
35								-very small amount of mud matrix remaining		
38	PAL						PAL			
40	X			WASH (high)		1		sandstone		
46	END									
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: 01421 A 50x 1A 382.20 m CSF-A

Site: Hole: Core: silty Section: Top Depth:

Major Lithology: MAJ. Lith not RECOVERED Minor Lithology: CLAST-RICH 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 24 2013
0	silty clast-rich diamict		N3	WASH (light mod)		present		clasts: sandstone: metaigneous: basalt:		
15	PAL						PAL			
20				WASH (high)				clasts: diorite: sandstone: basalt:		
30	X					21		greywacke: siltstone:		
40								very little mud remaining		
50	END									

Expedition 341 S. Alaska Margin:

U1421

A

SIX

1A

391.90m CSF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: SILTY CLAST-RICH DIAMICT

Minor Lithology: SILTY CLAST-POOR DIAMICT

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 24 2013
0				WASH (mod.)						
10								↑ tip to 12cm before broken. - clasts: sandstone: IIII basalt: III argillite: I		
20	silty clast-rich diamict		N3			present		graywacke: III siltstone: II rhyolite: I ~5cm meta igneous: I		
30				WASH (mod.)						
40										
50										
54										
60	silty CLAST-POOR DIAMICT		N3	SUCK IN(?) (mod.)		present		- clasts: basalt: IIIII sandstone: IIIII argillite: III siltstone: III		
70							SS70	silty mud w/ sand		
80										
90	X END							Sandstone		
92										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U421 A S2X 1A 0-112
 Site: Hole: Core: Section: Top Depth:

Major Lithology: clast. med. catty 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			O ₁ O ₂		1 sandstone 2 66% sandstone	AB, 07-24-13
10				mouse with					
20								argillite II siltst #II	
30								Uen gtz I granite II	
40								basalt # pyolite III sandst III	
50							ss 8		
60				washed, wood.				silty mud w. sand (<15%)	
70									
80									
90									
100									
110						O ₃ O ₄		3 vs. sandst 4 siltst	
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1421 A 52x CC 0-33
 Site: Hole: Core: Section: Top Depth:

Major Lithology: last-poor silt. 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					basalt III sdsd. I sdsd. I	AB, 07-24-13
20	PAL		N3					siltst. II metacdel. I basalt II	
30	0				D ₁			1 broken-up sdsd	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 11421 A 53X CC 0-26
 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								some mud matrix showing to clasts	HB, 07-24-13
17									
20				washed gravel				drilled node, siltstone	
30									
40								silt. m silt. l argillite l	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1421 Hole: A Core: 54X Section: CC Top Depth: 0-40

Major Lithology: dark-red 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					sdst. II meta-sdst. I	AB, 07-24-13
10				was sed				basalt NW siltst III	
20								→ Zylonite, drilled rods	
30	OPAL								
40			N3					1 meta-sdst w. fabric	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 11421 Hole: A Core: 55X Section: 1A Top Depth: 0-(III) 121

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	washed, wood				granite I argillite II siltstone III basalt III sdst. II granite II ven qtz III	HB, 07-24-13
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120	IW								
130									
140									
150									

Expedition 341 S. Alaska Margin: U1421 A SSX 2A 0-57
 Site: Hole: Core: Section: Top Depth:

Major Lithology: dark-poor 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						AB, 07-24-13
10				ms				siltst II vein gk sdst I	
20								shell fragments	
30				mussel					
40									
50							SSS	silty mud	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1421 A SSX CC 0-39
 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					basalt silt	HB, 07-24-13
10								siltstone	
20	mud w. disp. clasts		10Y4/1	flow in					
30									
40	PAL								
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 11421 A 56X 1A 440.40m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud 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: Childress	Date: July 24 2013
0	mud		N4	GAS EXP. (high)		no clasts				
10				VOID (mod.)		9-11 shell frags.				
16										
20	1W						1W			
26										
28	MB10						MB10			
30										
40	mud					absent				
50				GAS EXP. (high)						
60			N4							
70	mud w/ dispersed clasts					6, 72mm (all 4.5mm)				
80										
90										
100										
110	diatom bearing mud		10Y 4/1	S. OUPP.V (mod.)		no clasts				
120										
130										
140										
150										

rhyolite, sandstone, siltstone

Expedition 341 S. Alaska Margin:

U1421

A

56X

2A

441.80m CSF-A

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: MUD (DIATOM BEARING)

Minor Lithology:

Offset (cm)	Lithology	Sed. 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 24 2013
0										
10	diatom bearing mud			BORED (Slight)						
20		PAP. LAM.	10Y4/1		none	no clasts		SS16 - diatom bearing mud		
30				WASH (Slight)						
40						41-shell frag.				
50										
60	58 END									
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

U1421 Site: A Hole: 56X Core: CC-A Section: 442.3Bm CSF-A Top Depth:

Major Lithology: DIATOM BEARING MUD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:
									Childress	July 24 2013
0	diatom bearing mud	PAR LAM	10Y 4/1	CRACK (mod) POLYED (mod)	none	absent				
10										
20	PAL						PAL			
23										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

U1421

A

57X

1A

0-110

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology:

Minor Lithology:


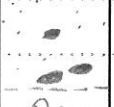
Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0			10Y 4/1					0-55.5	HF 25/Jul/13
10								* clast - poor muddy detrital A granules & pebbles of basalt // sandstone /// metasediment //	
20									
30									
40								5523: some detritus & sponge spicules	
50									
60			N4					55.5-110	
70								* clast - red muddy detrital with sand	
80								* granules & pebbles of granite // metasediment // // rhyolite ///	
90									
100								* rare, lightly dark laminae, e.g. ~ 96, 97 cm	
110								* higher amounts of black sand grains	
120									
130									
140									
150									

slightly bioturbating

Expedition 341 S. Alaska Margin:

Site: U1421 Hole: A Core: 57X Section: CC Top Depth: 0-29

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>N4</u>					<u>0-235</u>	<u>MF 25/Jul/13</u>
10								<u>* clast-rich muddy drist</u> <u>with sand</u>	
20								<u>* occasional thin, slightly</u> <u>darker laminae</u>	
30	<u>PAL</u>						<u>PAL</u>	<u>* variations in clast content.</u>	
40								<u>* granule & pebble clast of</u>	
50								<u>basalt </u>	
60								<u>metasediment </u>	
70								<u>gneiss (?) </u>	
80								<u>greenstone </u>	
90								<u>dioritic (?) </u>	
100									
110									
120									
130									
140									
150									

slight brecciating

Expedition 341 S. Alaska Margin: U1421 A S8X 1A 0-76
 Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0			N4					0-76: * clay-rich muddy decimic with sand	MF 25/Jul/13
10									
20									
30								SS32: mud with sand	
40								* granule & pebbles of basalt sandstone metasediment argillite quartz silstone	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U 1421 A 58X CC 0-44
 Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0			N4					0-39 clast-rich muddy diamict with sand	MF 25/Jul/13
10								granules & pebbles of	
20								oxydite metasediment	
30								oxydite mudstone with structures	
40							PAL	granitoid vein quartz	
50								sandstone mudstone	
60								basalt weathered basalt (?)	
70									
80								39-44 Sample PAL	
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1421 A Hole: 53X Core: CC Top Depth: 0-33

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sec. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0			N4						HF 25/Jul/13
10								0-21.5 A clay-rich muddy disconformity with sand.	
20								granules & pebbles of basalt /	
25								metasandstone /	
30								granite /	
40								sandstone /	
50								rhyolite (?) /	
60								sandstone (fine) with quartz vein /	
65								21.5-27	
70								Sample PAL	
80								27-33	
90								washed rock - very fine sandstone?	
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1421 A 60X CC 0-37
 Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0			N4					0-31.5	MF 25/Jul/13
10								* clast-poor muddy diamict with sand	
20								sandstone III	
30								basalt IIII	
35	PAL							granite I	
40								granite I	
45								shale I	
50								thin quartz	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 41421 A 61X 1 0-135cm
 Site: Hole: Core: Section: Top Depth:

Major Lithology: ~~Med~~ Ooze Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0								very fine med (clayey) ⇒ diatom ooze	JM 25.2.13
10									
20			10Y 4/1						
30									
40	med								
50									
60					high		SS (60)	→ diatom ooze	
70									
80						shell		} shell fragments @ 78, 81, 87, 90cm	
85						shell			
90						shell shell			
100			10Y 4/1						
110			to N4						
120	med	color banding			slight				
130									
140	W						135 - 150		
150									

Expedition 341 S. Alaska Margin:

Site: 41421 Hole: A Core: 61x Section: 2 Top Depth: 0-150cm

Major Lithology: Mud ooze Minor Lithology: Diamic

Offset (cm)	Lithology	Sed. Structures	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 25.7.13
10								- color banded mud with intervals of very thin laminations (1-4 mm)	
20			10Y 4/1					- increasing content of dispersed diamic grains from 20 - 75 cm	
30		Color banding							
40					slight		SS (4)	→ diatom ooze	
50									
60									
70									
80					slight bioturb.				
90			N3						
100			to N4						
110									
120									
130								75-118cm: chaotic flow structures	
140									
150								118-150cm: clast-rich diamic of granules & pebbles (silt-, greenstone, granitoids) up to 4cm	
								greenstone?	

Expedition 341 S. Alaska Margin: U1421 A 61X 3 0-69cm
 Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sec. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0			N3					0-11cm: sandy clast-rich diamict siltstone and sandstone pebbles	JM 257.13
10			N4	horizontal				11-23cm: somehow twisted/slurvy mud → slight to moderate plastic	
20									
30							SS (28)	→ diatom bearing and with volc. ash (→ clean angular glass shreds)	
40			10Y 4/1					→ very fine clayey	
50		color banded		Slight bowing					
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: Y1421 A Hole: 67X Core: CC Section: 0-12cm
 Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0									JM 25.7.13
10									
12							12		
17							17		
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1421 A 62x 1A 0-150
 Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0			N4					0-131	MF 25/Jul/13
10								* interbedded mud & clast-nils diamict	
20								diatom zone. * moderately intervals laminated	
30								10y 4/1 - N4' → diatom zone	
40								some deformation of laminae	
50								↳ probably NOT drilling disturbance	
60								↳ sediment reworking(?)	
70								↳ very few granule & pebble clasts	
80								* diamict w/ R sandy mud matrix	
90								* clasts of granite & pebbles	
100								↳ basalt	
110								metastone	
120								argillite	
130								metastone	
140	DAIG							metasediment	
150								chert	
								shyolite	
								granite	
								vein quartz	
								131-150	
								Sample DAIG	

slight to moderate bioturbation

Expedition 341 S. Alaska Margin: U1421 A 62x 2A 0-150
 Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0			N4					0-24 # see section 1 ↳ sharp lower boundary	MF 25 July 13
10									
20									
30			10y 4/1					24-135 * diatom ooze ↳ interval stretches from base of CC to 24 cm in Sect. 2 ↳ very gradual transition from laminated (parallel) diatom ooze with very few clasts at the base to mud with diatoms & very few granule clast, as well as black sand grains at the top ↳ also colour change from 10y 4/1 - brown lamination in the lower parts to	
40									
50									
60									
70									
80									
90									
100								SS 60: mud with diatoms 10y 4/1 - grey lamination in upper parts of interval	
110									
120									
130									
140							1W	135-150: 1W	
150									

Expedition 341 S. Alaska Margin: U1421 A 62X 3A 0-104
 Site: Hole: Core: Section: Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0									MF 25/Jul/13
10								<p><u>0-104</u> ↓ diatom core to see Section 2, 24-135 cm for details</p>	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

63: diatom core

Expedition 341 S. Alaska Margin: U1421 A 62x CC D-44
 Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0			10y 4M					0-38.5 ↓ diatom ooze to see section 2, 24-135 for details	MF 25/Jul/13
10									
20									
30									
40		<u>PAL</u>						<u>PAL</u>	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

light to moderate green clay

Expedition 341 S. Alaska Margin: 41421 A 62X 1 0-134 cm
 Site: Hole: Core: Section: Top Depth:

Major Lithology: ooze Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	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 - 28.5 cm very fine mud, thin (mm-scale) laminae laminar (narrow parting)	JM 25.2.13
10			10Y 4/1						
20									
30	thin of	parallel laminae			0			SS (5) → diatom ooze	
40									
50									
60			N4					61.5 - 66 cm: massive mud with dispersed clasts (subangular silt- or sandstone granules)	
70									
80								78 - 134 cm: mud with disp. clasts	
90						shell		shell fragment @ 88 cm (E19)	
100			10Y 3/1 to N4		0			→ clasts are mainly granules size → siltstone, sandstone, gran. mud	
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1421 A 63x 2 0-450
 Site: Hole: Core: Section: Top Depth:



Major Lithology: M-d Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0									JM 25.7.13
10			N4		○			mud with dispersed clasts ($\le 1\phi$ grains & pebbles (siltstone, granitoids))	
20									
30									
40				washed: 5/12				metasiltstone & rhyolite	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1421 Hole: A Core: 63X Section: CC Top Depth: 0-16c

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			clast-rich sandy diamict granules & pebbles (up to 3cm) of siltstone, metasandstone, granitoid	JM 25.7.13
10									
20	<u>PAL</u>						<u>16-21</u>		
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1421 A 65X CC-A 506.80m 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 25 2013
0								clasts: 13cm basalt @ top → basalt: 1111		
10	clast-rich diamict		N3	WASH (slight)		prescut		sandstone: 11 siltstone: 11		
24										
30	PAL END						PAL			
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1421 A 66X CC-A 510.70m 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 25 2013
0										
10	clast-poor diamict		N3	WASH (Silty)		pebbles		clasts: 7cm siltstone → siltstone: III basalt: II sandstone: III granitoid: I		
30							SS27	silty mud w/ sand		
35	PAL						PAL			
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1421 A 67X 1A 520, 40m CSF-A
 Site: Hole: Core: Section: Top Depth:

Major Lithology: SILTY CLAST-RICH DIAMICT 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:	Date:
									Childress	July 25 2013
0										
10	silty clast-rich diamict		N3			present		clasts: basalt: IXT 1 rhyolite: 1 greywacke: 1 siltstone: IXT sandstone: IXT 1		
20							521 - silty mud w/ sand	argillite: 1 gneiss: 1 quartz v.: IIII		
30										
40				WASH (mod.)						
50										
60										
64	PAL						PAL			
69	X			high		2		clasts: sandstone (2), pebble		
73	END									
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: U1421 Hole: A Core: 68X Section: CC Top Depth: 0-39

Major Lithology: clay + 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			<u>U3</u>						<u>AB, 07-25-13</u>
10				<u>washed, ves?</u>				<u>basalt III</u> <u>sandst III</u> <u>greywacke II</u> <u>siltstone III</u> <u>argillite I</u>	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1421 A Core: 69X CC Section: 0-47 Top Depth:

Major Lithology: dark-poor silty diamicton Minor Lithology: no major lith 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:
0			N3	mousseline ls.				siltstone II clay gr. III basalt I	AB, 07-25-13
26	PAL								
30				sorted gravel				basalt IIII gneiss sandst. I	
31									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U421 A 70x 1A 0-113
 Site: Hole: Core: Section: Top Depth:

Major Lithology: no major lith. recov. 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:
0	X							sandstone (drilled rods)	HB, 07-25-13
10	X							sandstone (drilled rods)	
20	X							sandstone (drilled rods)	
4	mud		N3						
30									
5	X							2 argillite, siltstone, basalt, and dyalite	
6	X							siltstone	
2	X							sandstone & siltstone, basalt sandstone	
50									
8	X							sandstone (drilled rods)	
70	X							laminated sandstone (drilled rods)	
80	X							sandstone	
10	X							laminated sandstone (drilled rods)	
11	X							dark siltstone	
90	X							green siltstone	
13	X							sandstone (drilled rods)	
100	X							sandstone (drilled rods)	
110	X							sandst. (- a -)	
110	X							sandstone	
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1421

A

71X

CC-A

557.20m 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 25 2013
0								- basalt & siltstone (all pebble or less, most granule)		
10	PAL		N3	WASH (slight to mod)		present	PAL			
20	silty-clast rich diamict		N3	WASH (high)		present		- clasts: basalt: III Sandstone: III rhyolite: II siltstone: III arkosic sandstone: I argillite: I		
37										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

Site: Y1421 Hole: A Core: 72X Section: CC Top Depth: 0-34cm

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 → washed and matrix pieces of rhyolite, greenstone, siltstone	JM 26.7.13
10			N4		0				
20							22		
30				washed (high)					
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41421 Hole: A Core: 73X Section: 1 Top Depth: 0-96cm

Major Lithology: Diamict

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:
0									DM 26.7.13
10				washed (10%)		shell		muddy clast-poor diamict interbedded with mud beds	
20								- mud beds up to 2 cm thick with irregular shape (discontinuous), 10% 4/1 mud	
30			N4					- shell fragments @ 9, 17, 23, 95cm	
40							SS (42)	mud with sand	
50			10% 4/1					- clasts - granules & pebbles of siltsone, gneissoids, greenstone, sandstone	
60									
70			N4						
80									
90									
100				script			95, 100		
110				washed along liner					
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41421 A Hole: 73X Core: 2 Section: 0-58cm Top Depth:

Major Lithology: Diamicton

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:
0			10Y 4/1					interbedded diamicton & mud - clast poor muddy diamicton - laminae and beds (up to 4cm) of mud with irregular shape	JM 26.7.13
10									
20			N4		0			granules & pebbles (up to 1cm) of siltstone & granitoids	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1421

A

73X

CC

0-40cm

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology:

Sandst

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:
0								interbedded dark poor diamic & mud (clayey); irregular shaped mud beds (up to 3 cm thick) granules & pebbles (up to 1 cm) of siltstone, sandstone	JM 26.7.13
10									
20			N4						
30									
35									
40	PAL					35-40 Lenticular pebbles	40-45	siltstone, sandstone	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41421 A Hole: 74x Core: dd Section: 0-41cm 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								0-29cm: clast-rich diamicton	JM 26.7.13
10			N4					mod matrix granules & pebbles (up to 3cm) of siltstone, greenstone, rhyolite	
20									
30			10Y					29-39cm: mud with dispersed clasts (2) & shell fragments @ 31cm	
40	PAL		4/1				41-46	granitoid ↓ very clayey	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1421 Hole: A Core: 75x Section: 1 Top Depth: 0-95cm

Major Lithology: Mud Minor Lithology: _____

Offset (cm)	Lithology	Sed. Structures	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 26.7.13
10								very clayey mud	
20								→ diatom ooze (80% diatoms & sponge spicules)	
30			10Y 4/1						
40				Imposter-like siltification	6.5cm				
50									
60						shell	SS (62)	shell fragments 59 cm	
70									
80									
90									
100							85 77.6		
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1421 A Hole: 75X Core: 2 Section: 0-100cm
 Top Depth:

Major Lithology: Diamict

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:
0								0-38 cm	JM 26.7.13
10			10Y 3/1	slight to moderate siltiness	heavy			mud with dispersed clasts $\leq 1\phi$ (≈ 0.3 mm max) granules	
20							SS (18)	diatom-bearing mud (23% silt)	
40								38-100 cm	
50								clast-rich diamict (silty mud matrix) - somewhat laminated - or even interbedded with mud	
60			N4		0				
80								granules & pebbles (up to 3 cm) of siltstone, sandstone, greenstone & gneissoids	
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41421 Hole: A Core: 75X CC Section: 0-32cm 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			N4					clast-rich diamicton	JM 26.7.13
10								granules & pebbles up to 3cm, siltstone, rhyolite breccia	
20								drilled very fine sandstone (17-27cm)	
30							32	washed gravel between 27 & 35cm	
35	PAL						37		
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1421

A

76x

1A

0-137

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					0-117	TF 26/Jul/13
10			fill in					* clast-rich diamict	
20								sandy mud matrix	
30								sandstone	} grains & pebbles
40							basalt		
50							greenstone		
60							granitoid		
70							quartz		
80							argillite		
90									
100									
110									
120	DAIG						DAIG	117-137	
130								Sample DAIG	
140									
150									

slight banding

Expedition 341 S. Alaska Margin:

U1421
Site:

A
Hole:

Y6X
Core:

2A
Section:

0-85
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					0-70 * clast-rich diamict * sandy mud matrix * granules & pebbles sandstone basalt argillite granitoid thin quartz greenstone rhyolite?	MF 26/Jul/13
10									
20									
30									
40									
50									
60									
70									
80							1W		
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 41921 Hole: A Core: 76x Section: 3A Top Depth: 0-108

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					0-84	MF 26/Jul/13
10								* clast-rich diamicite * sandy mud matrix * granules & pebbles sandstone basalt greenstone mudsandstone argillite with folding	
20									
30									
40									
50									
60								84-108	
70								* mud with dispersed clasts * mud with detritus	
80									
90			N4						
100								ssq.t. mud w/ K detritus	
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1421 Hole: A Core: 76X Section: CC Top Depth: 0-25

Major Lithology:

Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0			<u>U4</u>					<u>0-19</u> * mud with dispersed clasts sandstone / argillite /	<u>VF 26 / Jul / 13</u>
10								* with diatoms	
20	<u>PAL</u>						<u>PAL</u>		
30								<u>19-25</u> Sample PAL	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1421 A M7X 1A 0-67
 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					0-67	MF 26/ Jul 13
10								* clay-rich diamict	
20								* sandy mud matrix	
30								basalt	
40								sandstone	
50								greenstone	
60								vein quartz	
70								mlt sediment	
80								~26-28.5: carbonate tubes (multiple sticking together)	
90								SS 50: mud w/ volcanic ash	
100								to trace in desclayish	
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1421 A 77X 10 0-36
 Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0									
10								0-23.5 * clast - with diamict * sandy mud matrix with stone sandstone greenstone rhyolite?	VF 26/Jul/13
20									
25	PAL								
30									
40									
50								23.5-29 Sample PAL	
60									
70								29-36 * washed pebble ↳ coarse sandstone	
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1421 A 78X 1A 0-142
 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					0-127	VF 26/Jul/13
10								* clay-rich diamict	
20								* sandy mud matrix	
30								* scattered shell fragments	
40								siltstone	
50								greenstone	
60								sandstone	
70								granitoid	
80								vein quartz	
90								argillite	
100									
110									
120									
130								127-142: Sample 1W	
140									
150									

Expedition 341 S. Alaska Margin:

Site: U1421 A Hole: 78X Core: 2 Top Depth: 0-142

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					0-50.5 see section 1	MF 26/Jul/13
10								50.5-84 * mud with diatoms * moderate to heavy bioturbation * dispersed clasts	
20								SS62: mud with diatoms	
30									
40									
50									
60								84-142 * clast-rich diamicite * sandy mud matrix sandstone metasandstone basalt greenstone slipstone with deformation	
70									
80									
90			N3						
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U 1421 A M8X CC 0-45
 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									KF 26/JUL/13 0-35: * re section 2, 84-142 cm 35-40: Sample PAL PAL 40-45: washed rocks 4 pcs: sandstone
10									
20									
30									
40	PAL						PAL		
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U421 Hole: A Core: 79X Section: 1A Top Depth: 0-79

Major Lithology: clast-nsd 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, 07-26-13
10								basalt dyolite sandstone siltstone granitoid argillite	
20	△						526	→	silty mud w. sand
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: 11421 Hole: A Core: 79X Section: CE Top Depth: 0-46

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 (drilled rock) } orig. 1 piece	AB, 07-26-13
10	X							sandstone (drilled rock)	
20	X							tonalite (drilled rock) } orig. 1 piece	
30	X							tonalite (drilled rock)	
40	PAL X							granodiorite	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U421

A

80x

cc

0-50

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology:

dark-red 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			U3						HB, 07-26-13
10								granitoid III basalt III greywacke I sandstone I siltstone IIII	
20									
30									
40									
45								* washed gravel	
50	PAL								
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1421

A

81X

1A

0-58

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: *clay-poor silty clay* Minor Lithology: *clay*

Offset (cm)	Lithology	Sed. Structures	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, 07-26-13
10				washed, wood → liss				basalt 11 greywacke 1 sandstone 11 red siltstone 1 black siltstone 1111	
20									
30									
40							also	silty mud	
50								washed gravel, basalt, greywacke	
55	PAL								
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1421 A 82X 1A 0-49
 Site: Hole: Core: Section: Top Depth:

Major Lithology: *Sandy clay & silt* Minor Lithology: *diamic*

Offset (cm)	Lithology	Sed. Structures	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>was bad, mussels & wood</i>				<i>granule 1 sandstone III siltstone III basalt 1 vein qtz 1</i>	<i>HB, 07-26-13</i>
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1421

A

82

CC

0-53

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: *no major L.H. 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							5x metasilstone	AB, 07-26-13
10	X							metasilstone (drilled rod)	} 1 piece
20	X							metasilstone (-u-)	
25	X							metasilstone (-u-)	} 1 piece
30	X							pyroclite	
35	X							pyroclite	} 1 piece
40	PAL								
45	X							metasilstone pebbles	
50	X							sandstone	
55	X							sandstone	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

Site: U421 Hole: A Core: 83X Section: 1A Top Depth: 0-125

Major Lithology: last-pool sandy 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			N3						AB, 07-26-13
10								Sandst. 1 basalt III siltst. IIII argillite 1	
20									
30									
40									
50									
60									
70									
80							SS82	silty and w. sand	
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin:

U1421

A

83X

CC

0-41

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology:

sandy dirt-poor 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, 07-26-13
10				Washed gravel				basalt II sandst. II siltst. III	
20									
30	PAL			*				washed gravel argillite I fossiliferous	siltst. I
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1421 A 84X 1A 603.30m CSF-A
 Site: Hole: Core: Section: Top Depth:

Major Lithology: silty CLAY-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 26 2013
0										
10				WASH (light to med.)				- clasts: all pebble (2cm or less)		
20	silty clay-poor diamict		N3			present		granite: III basalt: III siltstone: III rhyolite: II sandstone: III schist: I		
25							SS22	silty mud, w/ sand		
55	END									
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin:

U1421

A

B4X

OC-A

603, 85m 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 26 2013
0	VOID									
0-6	PAL					PAL				
6-40	silty clast-rich diamict		N3	WASH (slight to med)				clasts: + cobbles drilled metavolcanic: I basalt: UT II rhyolite: I sandstone: UT argillite: I siltstone: III limestone: II		
40	END									
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: W1421 A 85X 1A 693.00m 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 26 2013
0										
10				SP-000 (mod.)						
20	silty clast-poor diamict		N3	SP-000 (slight to mod.)		present	SS21	clasts: all pebble, 1.5cm or less - lith difficult to ID due to soupy siltstone: IIII basalt: IKT II Sandstone: IIII silty mud w/ sand		
57										
60	PAL						PAL			
62										
70	clast-rich diamict		N3			present		clasts: siltstone: I metavolcanic: I sandstone: II basalt: III		
77										
80						2		sandstone metasiltstone > both drilled, @ least 8cm cobbles		
90										
100										
110										
120										
130										
140										
150										