DESCV

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 1H (Core:) 1 (Section:) 0.00 m CSF-A (Top Depth:)

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

Logged by: Childress Date: June 12 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0				extreme soup	??			
4.5	Ash		5YR, 5/3				SS 2	volcanic ash, no cement, poor sorting
10	mud		N4	S				
13				O				
20			10YR, 4/2	U				
28				P				
30	DBM		10YR 2/2	Y			SS 30	29-32 bowed, slight to mod. → diatom bearing mud (DBM)
	mud		10YR, 4/2					
40				moderate				
	mud		10YR, 5/1					
50								
54								
60	mud							
63	VRS		10YR 2/2				SS 64	→ volcaniclastic (VRS) rich silt, 60% glass, 20% diatoms.
70	mud		10YR, 4/2					
73								some greenish layers
80	mud		N4				SS 86	→ mud, no biogenics
90								
100								
110								
120								
130								
140								
150				VOID				148-150: void, destroyed

DESC✓

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 1H (Core:) 2 (Section:) 1.50m CSF-A (Top Depth:)

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by:	Date:
0–150	Mud ↓	color banding	N4*	soupy (mod.) ↓	none ↓			*faint green bands otherwise, massive	Childress	June 12 2013

DESCV

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 1H (Core:) 3 (Section:) 3.00 m CSF-A (Top Depth:)

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress Date: June 12 2013
0	mud	color bands	N4*		none			*green layers (faint)	
10									
14	silt		10YR, 4/2	bowed					
20	mud ↓		N4 ↓						
30				soupy (silt to mud)					
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

DESC

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 1H (Core:) 4 (Section:) 4.50m CSF-A (Top Depth:)

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress Date: June 12 2013
0				soupy ↓ (light to mud)	none			faint green layers	
10		cover							
20	mud		N4						
30		bands							
40	mud	ing 39	5GY, 4/1 ↓					faint black layers	
50									
60									
70									
80							SS 80	→ diatom bearing mud; small $CaCO_3$ component	
90									
100									
110									
120									
130									
137								137, END	
140									
150									

DESC✓

Expedition 341 S. Alaska Margin: U1417 : D 1H CC 5.87m CSF-A

Site: Hole: Core: Section: Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress Date: June 12 2013
0	mud	structureless	N4	Soupy (slight turned)	slight?				
10									
	PAL						PAL		
20	END							18	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

DESCV

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 2H (Core:) 1 (Section:) 6.00m CSF-A (Top Depth:)

Major Lithology: Mud - Diatom Bearing Minor Lithology:

Logged by: Childress Date: June 12 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	diatom bearing mud ↓	color banding	N4*	very soupy (0–18)	slight ↓			fc black mottling
10								* w/ green/black bands
20				moderate soup ↓				
30								
40								
50								
60							SS62	diatom bearing
70								
80								
90								
100								
110								
120								
130								
140								
150				VOID				148-150: void, gone

DESCV

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 2H (Core:) 2 (Section:) 7.50m CSF-A (Top Depth:)

Major Lithology: Mud - Diatom bearing Minor Lithology:

Logged by: Childress Date: June 12 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	diatom bearing Mud ↓	color banding	N4*	slight ↓	slight			*faint black mottling
10								*w/ green/black color bands
20								
30								
40								
50								
60								
70								
80								
90								
100								
110								
120	silt		N3					117-118: fine silt layer
130								
140								
150								

DESCV

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 2H (Core:) 3 (Section:) 9.00m CSF-A (Top Depth:)

Major Lithology: Mud Minor Lithology:

Logged by: Childress Date: June 12 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	diatom bearing mud ↓	Color banding	N4	soup ↓ slight ↓	none			0-25: w/ faint green bands
90				(V)				93-95: void, slight to mod

Expedition 341 S. Alaska Margin: 1147 D 2 5 0-122

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									KB, 6-12-13
10	mud		N5					d. bran	
20	ash		10YR 4/2			clasts present	SSK	ash	
30	mud		N4						
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 1147 D 2 6 0-115

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: HB, 6-12-13 Date:
0						clasts present		diatom-bearing	
10									
20									
30	V		N4						
40	mud								
50									
60	V								
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 2 CC 0-11.5

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: AB, 6-12-13 Date:
0	mud		N4			Rock pcl.			
6	PAL								
10									
11.5									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 2 4 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, Date: 6-12-13
0								diatom bearing	
10									
20	◇					◇		dast, elongate, subrounded, 1 cm	
30	↑								
40	mud		N4						
50	↓								
60									
70									
80			N5				SSS	diatom bearing	
90	mud								
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 3 1 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: wwd Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-12-13 Date:
0	d.b. wwd								
10			10Y3/2					mottled colour banding	
12			N						
13									
20	d. wwd		4						
30									
37			10Y3/2					diat. rich wwd 10Y3/2	
40	d.b. wwd		N4						
50									
60			10Y3/2				SS61	d.r. wwd	
62									
70	d.b. wwd		N4						
80									
90			10Y3/2						
93									
100	d.b. wwd		N4						
110									
120			10Y3/2				S120	d.r. wwd	
122	d.b. wwd					Clast pcs.			
130			N4					0.5 cm, rounded	
133									
140								1.5 cm, angular 2.5 cm, subrounded	
143									
150									

Expedition 341 S. Alaska Margin: U1417 D 3 2 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: NB, 6-12-13 Date:
0	d. mud		N4						
10									
12						clasts, dcard.			
20	mud		N4						
28	◇					◇		1cm, clay clasts rounded	
30									
40									
50									
60									
70									
77.5	◇					◇		0.5 cm	
80									
90									
100									
110									
118	◇								
120						◇		2cm, subangular	
130									
134	◇					◇		0.5 cm	
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 3 2 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: JB, 6-12-13
0	↓					clasts present		massive mud	
10								slight color banding	
20									
30	mud		N4						
40									
50							SS50	mud, no bio	
60									
70									
80	↓								
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 3 4 0-106

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						clasts present		massive mud	HB, 6-12-13
10	↕							colour banding	
20									
30									
40	mud		N4						
50	↑								
60	↓								
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 3 5 0-140

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-12-13 Date:
0						clasts present		massive mud	
10								colour banding	
20	mud		N4						
30									
40									
50									
60									
70								clast 1 cm, subrounded transported from 115 cm by coring	
80									
90									
100									
110									
120									
130							S130	mud, no bio	
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 3 6 C-125.5

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: KB, 6-12-13
0						clasts present			
10									
20								colors banded	
30	mud		N4						
40									
45.5	◇					◇		2.5 cm, subrounded	
50									
60									
70									
80	d. ooze		10Y 3/2						
81	VOID		VOID			VOID			
87									
90	diat.							cottage cheese structure	
100	ooze		10Y 3/2				5% 100	diatom ooze	
108									
110									
120	mud		N4						
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 3 7 0-49

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, Date: 6-12-13
0									
10									
20	Mud		5Y						
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 3 CC 0-34.5

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: KB, 6-12-13
0	Mud		N4						
7	VOID								
10									
20	Mud		N4						
27									
30	BAL								
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 4 1 0-151

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-12-13 Date:
0									
10	mud		D4						
20									
30								VOID	
31.5 32									
40									
50	mud		D4						
60									
62							SS66	dk mud, 10Y3/2	
70								massive mud	
80									
90									
100									
110	mud		D4						
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 4 2 0-153

Site: Hole: Core: Section: Top Depth:

Major Lithology: wmd Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: KB, 6-12-13 Date:
0									
10	◇ wmd		N4			◇		clast, 2 cm, subangular, arg. silt	
17									
20	d. mD		10Y3/2					colour banded	
30	wmd							10Y3/2 – N4	
40									
50									
60									
70									
80								wmd bd	
90									
100							SS100	d. mD wmd	
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 4 3 0-150.5

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, Date: 6-12-13
0									
10								mottled	
20								colors banded	
30	d. mud							N4 - 10Y 3/2	
40	mud		10Y 3/2						
50									
60									
70									
80									
90									
100									
110									
120	◇					◇		frozen sand clast, 2cm, ang.	
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 4 4 0–150

Site: Hole: Core: Section: Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: WD Date: 6-12-13
0									
10	d. sid								
20	mud		10Y 3/2						
30									
39.5									
40							CSH1	ass; 2.5Y 6/1	
42									
50									
60	mud		N4					colour banding	
70									
80									
90									
92	volc rich silt		10Y 3/2				SS44	volc. rich silt colour banding	
100									
102	d. sid mud		10Y 3/2						
110									
118.5									
120									
130	mud		N5						
140									
142	d. sid mud		10Y 3/2						
150									

Expedition 341 S. Alaska Margin: U1417 D 4 5 0–150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-17-13 Date:
0	d. mud		10Y 3/2						
10									
18									
20								colour bands	
30									
40									
50	mud		N4						
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 4 6 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: AB, Date: 6-12-13
0									
10									
20	mud		N4						
30									
40									
50									
58									
60								5Y 3/2, d. ooze?	
61									
63	<					clasts present			
70									
79	mud								
80	◇		N4			◇		2cm clast, rounded	
90									
95	◇					◇		1cm clast, subrounded	
100									
110									
120									
122	◇					◇		1cm, clast, subrounded	
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 4 7 0-65

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: KB, 6-12-13
0						clast pres.			
10									
	mud		N4						
20									
30									
40									
40.5 / 42.5								clast missing, in WH, argillite	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 4 SC 0–16.5

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: AB, 6-12-13 Date:
0									
9	Mud		N4						
10							SS10	ash, 2.5Y 6/1	
10.5	PAL								
16.5									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

DLV

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 5H (Core:) 1 (Section:) 34.50 m CSF-A (Top Depth:)

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

Logged by: Childress Date: June 12 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	VOID			VOID	SLIGHT ↓	clasts ↓		*green/black colorbands
10		color banding ↓						
20	mud		N4					
30						30		
40								
50								
60								
70								
80							SS 83 →	mud, no bio.
90								
100						101 102 (2x) 106		
110								
120								
130						129 130		
140		↓						144.5-150: sand sized layer, no bedding
150	ash	/	5Y, 5/1		none		SS 147 →	ash: poorly sorted vitric

DLV

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 5H (Core:) 2 (Section:) 36.00 m CSF-A (Top Depth:)

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 12 2013
0	ash		2.5Y, 4/1		none ↓	Clasts ↓ 4		faint *green/black color bands		
3										
10	mud ↓	color banding ↓	N4 ↓							
20						20 23				
30						26		33-59: edge ripped away		
40										
50										
60										
70										
80						78 – 1.5cm pebble				
90										
100										
110										
120										
130										
140										
150										

DLV

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 5H (Core:) 3 (Section:) 37.50m CSF-A (Top Depth:)

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0					slight	Clasts		
10	mud	color bands	N4		↓	9		
20						21		
30								
40								
50						48(2x)		
60						60		
70	silt	↓	N3	VOID	none			70-71.5 - silt, N3 71.5-75: VOID
80	mud		N4		slight			75-83: patchy N3 *83-150: faint black mottling
90					slight	91		
100						100		
110								
120								
130								
140								
150								

Logged by: Childress Date: June 12 2013

DLV

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 5H (Core:) 4 (Section:) 39.00m CSF-A (Top Depth:)

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

Logged by: Childress Date: June 12 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0					slight	Clasts ↓		*black/green bands
10	mud ↓	color banding ↓	N4		↓	11.5		
20							23 →	mud, no bio
30						35		
40								
50						54		
60								
67.5–70								soupy/void (destroyed)
70				mess				
80								
90								
100	mud ↓	↓	N4 ↓			98		
109	mud		5G, 4/1			108		
110	↓		N4	112		113		black mottling
120	diatom ooze		2.5Y, 5/1	113		125	SS 124 →	diatom ooze
130			gradational	130				*black mottling
140	mud		N4					
150								

Expedition 341 S. Alaska Margin: U1417 D 5 5 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, Date: 6-12-13
0						clasts			
	mud		N4						
10									
20									
23	◇					◇		1.5 cm, angular	
30									
37	◇					◇		1.5 cm, subrounded	
40									
50									
60									
66								cottage floor structure	
70	diatom ooze		N4				5575	diatom ooze	
80									
81						clasts			
90									
100	mud		N4						
110									
120									
130									
140									
150									

→DLV

Expedition 341 S. Alaska Margin: U1417 | D | 5 | 6 | 0-150

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

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-12-13 Date:
0	↓					clasts present			
10			N4					colour banding	
20	mud								
30	↓								
40									
50									
60	◇					◇		2 cm, subrounded	
70									
80									
90									
96	◇					◇		0.5 cm, subrounded	
100									
110									
115	◇							2 cm, angular	
120									
130									
140									
150									

→DL ✓

Expedition 341 S. Alaska Margin: 1417 D 5 7 0-59

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: AS, Date: 6-12-13
0								mottled	
10									
20	O		N4			◌		imprint of clast in WH, 1.5 cm, rounded	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

→DLV

Expedition 341 S. Alaska Margin: U1417 D 5 C 0-11

Site: Hole: Core: Section: Top Depth:

Major Lithology: wwd Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0	wwa		N4						HB, 6-12-13
6	PAL								
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

DLV

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 6H (Core:) 1 (Section:) 44.00m CSF-A (Top Depth:)

Major Lithology: MUD (DIATOM BEARING) Minor Lithology:

Logged by: Childress Date: JUNE 12 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	diatom bearing mud ↓	color banding	N4 ↓	soupy slight 19	slight	clast ↓		green/black bands
10								
20								
30								
40								
50						51		
60						59	SS56	diatom bearing mud
70						65 70 74		
80						86: 3cm pebble		
90								
100						105		
110								
120						117 123		
130								
140						135 – 2cm clast		→ sandstone
150								

DLV

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 6H (Core:) 2 (Section:) 45.50m CSF-A (Top Depth:)

Major Lithology: Mud (Diatom bearing) Minor Lithology:

Logged by: Childress Date: June 12 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	diatom bearing mud ↓	Color banding	N4		Slight ↓	Clasts		0-87: green/black bands " : black mottling
20						23 - 2.5cm clast →		green siltstone
60						61		
70						68		
87	diatom bearing mud		gradational 5G, 4/1					87-150: black bands " : black mottling
120						125		
130						131		
150								

DL✓

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 6H (Core:) 3 (Section:) 47.00m CSF-A (Top Depth:)

Major Lithology: MUD (DIATOM BEARING) Minor Lithology: MUD

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 12 2013
0					slight			0-96: black mottling		
10	diatom bearing mud		5G,4/1							
20								20-24: clast void, slight, in W½		
30										
40										
50										
60	mixed		5B,3/1			63	SS 61	mud, no bio		
70										
80										
90										
100								96-150: green bands " : black mottling 97-100: fine silt patches (N3)		
110	mud		N4			113				
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1417 D 6 4 0-

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-12-13 Date:
0						present clasts			
10									
20									
30	mud		N4						
40									
50									
60									
70									
76									
80			5Y 3/1				SS79	volcaniclastic sand with diatoms	
84									
90						clastic present			
100	mud		N4						
110									
116	□					□		1 cm, dolgate, argillite, sub-rounded	
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 1141.7 (Site:) D (Hole:) 6 (Core:) 5 (Section:) 0-150 (Top Depth:)

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, Date: 6-12-13
0						clasts present		massive mud	
10									
20									
30									
40									
50	mud		N4						
60							SSA	mud, no bio	
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 6 6 0-98

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Logged by: HB, 6-12-13 Date:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	diatom ooze					clasts present		
10								
20								
24							SZ1	0.5 cm, rounded diatom ooze
30			N4					
40								
50								
60								VOID
62								
64	mud					clasts present		
70	VOID							VOID
80			N4					
90	mud							
100								
110								
120								
130								
140								
150								

Expedition 341 S. Alaska Margin: U1417 D 6 CC 0-13

Site: Hole: Core: Section: Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0	Mud		N4						WB, 6-12-13
7.5	PAL								
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 7H 1 0-150

Site: Hole: Core: Section: Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: MF 13/JUN/13
0	Mud		N4					0-150:	
10				Soupy (heavy)				* Mud * color banding to more greyish, greenish, brownish * scattered black mottles * silty patch between 102-104 65-67 ↳ both patches elongated and < 1 cm thick; slightly lighter	
20								* scattered sand particles (< 5 mm ϕ)	
30									
40									
50								0-55:	
60	Mud				1 (slight)			* Mud * soupy	
70									
80									
90									
100									
110								111.5-114.5: rounded, black metasediment	
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 7H (Core:) 2 (Section:) 0-150 (Top Depth:)

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0–150			2.5Y 3/2 (at ~140)		1 (light) (at ~45)				MF 13/JUN/13

0-133:

* Mud
* colour banding to more greyish, greenish, brownish
* scattered silty/sandy patches (< 1 cm)
* sharp lower boundary
* scattered black mottles

133-141:

* clast-poor mud with clay
* erosive lower boundary with rip-up clast from underlying unit or loading feature
* sharp & irregular upper boundary
* rel. many bright spots ⇒ weathered feldspar ?
* clasts e.g. sub-angular (very) fine sand

* clasts typically grey, but one clast at 125 subangular & light to weather feldspar from granite ? ⇒ bigger piece in working half

Expedition 341 S. Alaska Margin: U1417 D 7H 3 0–133.5 cm

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: JM Date: 13.6.13
0		slight color banding	N4		slight			clast @ 6 cm, ϕ 1.5 cm, well rounded	
10	mud							clast @ 6.5 cm, ϕ 0.5 cm	
20								scattered black mottles	
30								2 clasts @ 30 cm, ϕ 0.5 cm	
40								fine sand/silt layer @ 32 cm	
50								clast @ 37 cm, ϕ 0.5 cm	
60								2 clasts @ 60 cm, ϕ 0.6 cm	
70									
80								clast @ 79 cm, ϕ 0.8 cm	
90								clast @ 92 cm, ϕ 0.5 cm	
100									
110								mud lense @ 112 cm, ϕ 1 cm	
120								sand patch @ 128 cm, ϕ 3 cm	
130								coarse to medium-sized, poorly sorted	
140									
150									

Expedition 341 S. Alaska Margin: U1417 / 7H / CC / 0-21 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 13.6.13
0									
10								Mud	
20								scattered black mottles	
30							PAL	21.5-27 cm sample	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 8H 1 0-150

Site: Hole: Core: Section: Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: MF 13/JUN/13
0–150			N4	moderate (moderately)	1 (slight)			0-35 * Mud * soupy 35-150 * Mud * colour banding to more greyish, greenish, brownish * scattered silty/sandy patches & strata * various degrees of bioturbation * scattered black mottles clast around 56.5 → granitoid ? clast around 60-62.5 → metasediment silty/sandy strata ~107-108, ~109-110	

Expedition 341 S. Alaska Margin: U1417 D 8H 2 0-150

Site: Hole: Core: Section: Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: IF 13/JuN13
0								0-150	
10			N4		1 (slight)			* Mud * colour banding to more greyish, greenish, brownish. * scattered black motles	
20									
30			5Y 4/1					* scattered silt/sand patches and strata	
40								* gradual colour changes & changes in bioturbation intensity around 22 & 113.5	
50									
60					2 (mod.)				
70									
80								81-89: sand patches/disturbed sand strata 89-90: void	
90									
100									
110									
120			N4		1 (slight)				
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 8H (Core:) 3 (Section:) 0-150 (Top Depth:)

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: MF 13/JUN/13
0	M		N4		1 (slight)			0-9 * Mud * colour banding to more greyish, greenish, brownish * scattered black mottles * scattered silt/sand patches and strata	
10	DBM		5Y4/1		2 (moderate)				
20									
30									
40	M							9-35 * diatom bearing mud * colour banding as above * scattered black mottles * scattered silt/sand patches & strata * patches of diatom rich mud & diatom ooze with calcareous components	
50									
60	S&M ash		N4 2.5Y4/2		D slight			35-51: * as 0-9, but different colour & degree of bioturbation	
70									
80								51-59: (very fine sand) * interbedded silt & mud * erosive lower boundary	
90								59-62.5: ash with overlying mud b. some ash bioturbated into overlying mud; sharp lower boundary	
100								62.5-73: * as 35-51	
110								73-94: * as 0-9	
120								94-100 * as 35-51	
130								100-110 * as 0-9	
140								110-136: * as 9-35	136-150: * as 0-9
150									

Expedition 341 S. Alaska Margin: U1417 | D | 8H | 4 | 0-150 cm

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

Major Lithology: Mud | Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 13.6.13
0	Mud				slight to moderate bioturb.			clast @ 3 cm, ϕ 0.8 cm (i-WH)	
10								clast @ 8.5 cm, ϕ 0.6 cm	
20								clast @ 25 cm, ϕ 1 cm, well-rounded (i-WH)	
30									
40									
50		slight color banding	N4					clast @ 55 cm, ϕ 0.5 cm	
60								clast @ 67 cm, ϕ 0.5 cm	
70									
80								58-77 cm slightly coarser, color variations: light to dark greenish grey, brown/yellow → diatom ooze	
90									
100									
110	Mud								
120									
130									
140					slight to none				
150									

Expedition 341 S. Alaska Margin: U1417 D 8H 5 0-150c

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 13.6.13
0			N4		0			- few black mottles throughout section	
10								- 16-35c recurrent thin layers of silty/fine sand (barren of biogenic components)	
20									
30									
40									
50	mud	slight color banded	trans to 5GY 5/1	very slight bowing	slight				
60									
70									
80			5GY 5/1					80-132c biosiliceous mud	
90	ash		5Y 4/1					94.5-98c, ash (with lithic grains 5%) sharp lower boundary, bioturbated top boundary	
100									
110			5GY 5/1		moderate				
120	mud								
130								132-150c greenish-dark grey mud (N4) less bioturbated	
140			N4		slight				
150									

Expedition 341 S. Alaska Margin: U1417 D 8H 6 0-121cm

Site: U1417 | Hole: D | Core: 8H | Section: 6 | Top Depth: 0-121cm

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0								
10					none to slight			lonestone @ 6-11cm, ∅ 4cm, mica-rich (biotite & muscovite) meta-siltstone (dark-green (black), schisty
20								
30								
40					slight			lithified burrow (2cm length) @ 44cm-46cm
50	mud	slight color banding	N4					
60								
70								
80					none			
90								
100								
110								
120								
130								
140								
150								

Logged by: JM Date: 13.6.13

Expedition 341 S. Alaska Margin: U1417 D 8H 7 0-62 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JH Date: 13.6.13
0–150	Mud		N4	slight soupy	0			50-62 cm disturbed, twisted, liner not completely filled 62-65 cm void	

Expedition 341 S. Alaska Margin: U1417 D 8H CC 0-20 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 13.6.13
0				slight					
10	Mud		N4		0				
20	X						PAL	20-25 cm sample	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 9H 1 0-150

Site: Hole: Core: Section: Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0–150			N4	see ↓	1 (slight)			0-150 * Mud * slight olive banding to greenish grey/, brownish * scattered black mottles * scattered patches of mud (clay) Disturbance: 0-17.5: some holes ⇒ puncture v41: 8mm clast of graywacke?	H 13/JUN/13

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

Expedition 341 S. Alaska Margin: U1417 (I) JH 2 0-150

Site: Hole: Core: Section: Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: HF 13/JUN/13
0								0-150	
10			N4		1 (slight)			* Mud * slight colour banding to greenish, greyish, brownish * scattered black mottles * scattered patches of mud/ash	
20									
30									
40								72-73.5 patch of ash ? 80-80.5 — " —	
50									
60									
70									
80									
90									
100									
110									
120									
130								131: clasts of metasediment?	
140								139-139.5: discontinuous strata of diatom rich mud/diatom ooze ?	
150									

Expedition 341 S. Alaska Margin: U1417 D 9H 3 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:
0–150			N		1 (slight)			0-150 * Mud * slight colour banding (stronger than above) to greenish, greyish, brownish * scattered black mottles * scattered patches of mud (<0.5cm) * interval with higher contents of diatom / bioslicious: 24-25, 69-86,	RF 13) JuN13

13

Expedition 341 S. Alaska Margin: 41417 (Site:) D (Hole:) 9H (Core:) 4 (Section:) 0-61 cm (Top Depth:)

Major Lithology: Mud Minor Lithology:

Logged by: JM Date: 13.6.17

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0								clast @ 2.5 cm, ϕ 0.8 cm
10			N4 to					clast @ 16 cm, ϕ 0.5 cm
20					slight to moderate			
30	biosil. mud		10Y 5/1				SS	31 cm biosiliceous-rich mud black mottles
40								
50								
60								
70			N4				SS	67 cm biosi. rich mud black mottles
80								
90								
100	ooze		10Y 5/1		slight		SS	diatom ooze : 96-108 cm slight color variations, gradational boundaries
110								clast @ 110 cm, subrounded, metasediment ϕ 2 cm (in WH)
120			N4					2 clasts @ 120 cm, ϕ 0.5 cm clast @ 125 cm, ϕ 0.5 cm
130								clast @ 133-136 cm, ϕ 3 cm angular black/green, siltstone metasiltstone
140								
150								

Expedition 341 S. Alaska Margin: U1417 D 9H 5 0–150 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 13.6.13
0	mud		N4		slight			clayey mud 0–5 cm	
10	sand		N4					5–15 cm; fine sand (dark grey) sharp lower boundary	
20								clast @ 23 cm, ϕ 1 cm (in WH)	
30	mud		N5		slight to moderate			– " – 28 cm, ϕ 0.5 cm	
40									
50									
60									
70								70–150 cm greenish-grey mud	
80	mud		5GY 4/1						
90	ash		10YR 5/1					88.97 cm: fine sand-sized ash sharp lower & upper boundary, angular to sub angular	
100				v				97–100 cm void	
110									
120	mud		5GY 4/1					132–140 cm: silty intervals probably diatom bearing mud?	
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 9H 6 0-101 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 13.6.17
0	Mud		5GY 4/1					sometimes slightly coarser → siliceous bearing mud	
10									
20									
26								26-28 cm dark-grey/black layer dispersed black mottles	
30	Mud								
40									
50								clast @ 52 cm, ϕ 0.5 cm	
59								clast @ 59 cm, ϕ 0.5 cm	
60									
70									
77								slightly color banded N4 mud	
80		Color banded	N4						
90	Mud								
98								clast @ 98 cm, ϕ 0.5 cm	
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D JH 7 0 – 61.5cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 13.6.13
0	Mud	slight color banding	N4		none to very very slight			slightly color banded mud	
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 10H 1 0-150

Site: Hole: Core: Section: Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0			N4	0-2 cm punctured	1 (slight)			0-150 * Mud * slight colour banding to more greyish, greenish, brownish * scattered black mottle * scattered patches of mud (<5 mm) * ash patches (?) between 120-121	HF 13/JUN/13
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 10H 2 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:
0–150			N4		1 (slight)			0-150 # as section 1	RF 13/JUN/13

Expedition 341 S. Alaska Margin: U1417 D 10H 3 0-150

Site: Hole: Core: Section: Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: MF 13/JUN/13
0			N4		1 (sl/M)			0-38	
10								* as section 1	
20								* gradational lower boundary	
30								+13-17: sub-rounded meta siltstone with quartz veins	
4								38-56:	
40			5Y5/1		2 (moderate)			* diatom ooze	
50	DD							* gradational lower boundary	
1								56-135:	
60			N4					* as section 1	
70								* diatom-rich & occasionally green intervals below 116	
80									
90									
100									
110									
120									
8									
130								135-149:	
140	DD		5Y5/1		2 (moderate)			* as 38-56	
150			N4					+149: {sub-angular (<3cm) slate ... with quartz vein? 149-150: as section 1	

Expedition 341 S. Alaska Margin: U1417 D 10H 4 0-150

Site: Hole: Core: Section: Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0			N4		1 (light)			0-150	TF 13/JUN/13
10								# as section 1	
20									
30									
40									
50									
60									
70									
80								81-86: granitone with diorite, quartz & some foliation / sub-rounded	
90									
100									
110									
120								118-120: Sub-rounded grano-diorite?	
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 10H 5 0–150 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JH Date: 17.6.13
0								clast @ 5 cm, ϕ 0.5 cm	
10								clast @ 19 cm, ϕ 0.5 cm	
20								= mud with few silty lenses	
30									
40									
50	mud	slight color banding	N4						
60					slight to moderate				
70								clast @ 70 cm, ϕ 0.5 cm	
80								sand lense @ 77 cm, N3, ϕ 1.5 cm	
90								clast @ 85 cm; ϕ 0.5 cm	
100								clast @ 95 cm, ϕ 0.5 cm	
110									
120								clast @ 119 cm, ϕ 1 cm	
130							SS	just mud (same)	
140								clast @ 144 cm, ϕ 0.6 cm	
150									

Expedition 341 S. Alaska Margin: 41417 D 10H 6 0 - 120cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 13.6.13
0								clast @ 2cm, ϕ 0.6cm	
10	ooze		few black spots					9-24cm, ooze slight color variations (green, yellow-brownish)	
20									
30			N4					clast @ 36cm, ϕ 0.4cm	
40									
50					slight			clast @ 49.5cm, ϕ 1cm 2 clasts @ 53 & 54cm, ϕ 0.5cm	
60									
70			few black spots					clast @ 69cm, ϕ 0.5cm	
80								2 clasts @ 84, 85cm, ϕ 0.6cm	
90									
100									
110								clast @ 115cm, ϕ 0.5cm	
120								clast @ 118cm, ϕ 1cm	
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 10H 7 0–66 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 13.6.13
0								clast @ 2 cm, ϕ 0.5 cm	
10								3 clasts @ 4–7 cm, ϕ 0.5 cm	
20								few black mottles	
30			N4					clast @ 32 cm, ϕ 1 cm	
40								clast @ 34 cm, ϕ 1 cm	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 10H CC 0-12cm

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: JM Date: 12.6.13
0	M-d		N4		slight			few black mottles	
10	X						PAL	12-17 — sample	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 11H 1 0-150

Site: Hole: Core: Section: Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: MF 13/JUN/13
0			N4	sec	1			0-133	
10				slight				* mud	
20								* colour banding (slight) to more greenish, greyish, brownish	
30								* scattered black mottles	
40								* scattered patches of mud and ash(?) ; e.g. 64.5-66.5	
50								* scattered continuous & discontinuous strata of mud/sand & ash(?), rtl. diatom-rich mud?	
60								e.g. 14, 32, 53	
70								Disturbance: 0-9 : punctured	
80									
90									
100									
110									
120									
130			2.5Y 5/1					133-136: ash, sharp upper & lower boundary, lower boundary erosive?	
140								brown/fine sand	
150								136-150: as 0-133	

Expedition 341 S. Alaska Margin: U1417 D 11H 2 0-150

Site: Hole: Core: Section: Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: MF 13/JUN/13
0			N4		1 (slight)			0-150:	
10								* as section 1, 0-133	
20								* But, somewhat lighter & greenish between ~80-98	
30								* ash patches between ~66-71	
40								* diatom-bearing interval ~89?	
50								* silty(?) strata ~40	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 11H 3 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:
0–150			N4		1 (sl)			0-150: * as section 1, 0-133 * greenish, diatom- rich (?) strata ~ 88 cm * silt / very fine sand ~ 92-93	HF 13/JUN/13

Expedition 341 S. Alaska Margin: 41417 D 11H 4 0-150 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Logged by: JM Date: 13.6.13

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	mud		N4					2 clasts @ 1 & 2 cm, ϕ 1 cm
10	biosil. sandy mud		black mottles					
20	ooze						SS	diatom ooze 22-27 cm
30								clast @ 30 cm, ϕ 0.5 cm
40			10Y 4/1					2 clasts @ 43 cm, ϕ 0.5 cm
50	biosil. sandy mud							
60					slight to moderate			clast @ 66 cm, ϕ 0.6 cm
70			black mottles					76-81 cm diatom ooze
80	ooze							silty lense @ 82 cm
90								
100	biosil. sandy mud							
110								clast @ 117 cm, ϕ 0.6 cm
120								clast @ 128 cm, ϕ 0.5 cm
130			N4					clast @ 137.5 cm, ϕ 0.5 cm
140								clast @ 143 cm, ϕ 1 cm
150								clast @ 146 cm, ϕ 1.5 cm

Expedition 341 S. Alaska Margin: U1417 D 11H 5 0-101 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 17.6.13
0	mud		N4		slight			- few silty patches	
10								black mottles throughout	
20			10Y 5/1					- clayey mud	
30								- 10-101 cm probably	
40	clayey mud				moderate			(bc of siliceous components!)	
50									
60									
70							SS	volcaniclastic-bearing mud	
80									
90								2 clayey mud with ash	
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 41417 D 11H 6 0-66 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 13.6.13
0	clayey mud	color stripes	10Y 5/1		moderate			0-28 cm: moderately bioturbated, (barren) clay-silt mud with slant burrows	
10									
20								dark gray layer @ 25.5 cm	
30									
40	clayey mud				slight			clast @ 43-46 cm, ϕ 3 cm, well-rounded, metasediment	
50								silty brownish layer @ 2 cm, ϕ 1.5 cm	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 41417 D 11H CC 0-52cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 12.6.17
0									
10								clayey mud	
20	Mud	color laminated	N4		0				
30									
40									
50	X						PAL	52-57 cm sample	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 12H 1 0-150

Site: Hole: Core: Section: Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: MF 13/JUN/13 Date:
0			N4	see ↘				0-16 →	
10	Mud				1 (slight)			* Mud * patches of brown sand around 12 cm	
20			10Y 4/1					* gradational lower boundary	
30								16-79.5	
40								* diatom-rich mud * scattered black mottles	
50	DRM							Disturbance: 0-6: mousselike	
60								79.5-150:	
70								* Mud * slight colour variations to more greyish, greenish	
80								* scattered black mottles	
90	Mud		N4					* scattered mud patches * discontinuous mud strata ~ 104	
100								91-96: increased diatom/Radiolarian content?	
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 12H 2 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	Mud		N4		1 (slight)			0-150:	MF 13/JUN/13
10								* as 79.5-150, section 1	
20								* discontinuous strata around 77 cm (silt or clay?)	
30								* increased bioturbation between ~26 - ~40	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 12H 3 0-150

Site: Hole: Core: Section: Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0			N4		1 (slight)			0-111	MF 13/JUN/13
10								* as 79.5-150, section 1	
20								* scattered patches of mud & ash (?)	
30								* discontinuous strata (<0.5 cm) of silt or ash ~70	
40								* increased bioturbation between ~36-41	
50									
60									
70									
80									
90									
100									
110			10Y 4/1		2 (mod)			111-150	
120								* mud	
130								* scattered black mottles	
140								* scattered patches of mud & ash (?); <0.5 cm	
150									

Expedition 341 S. Alaska Margin: U1417 D 12H 4 0-150cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JH Date: 13.6.13
0	mud	← color boundary	10Y 4/1		moderate			clayey mud	
10								0-50cm: slight color variations (green/grey/brown)	
20									
30									
40									
50									
60									
70			N4					clast @ 67cm, Ø 1cm (in 4H)	
80	mud								
90									
100								clast @ 96cm, Ø 3cm, well rounded, metasediment (in 4H)	
			5Y 3/1					Ø 0.5cm white lense @ 100cm	
110								104-108cm fine sand sharp lower boundary, irregular	
120								silt/fine sand-sized	
130	mud		N4						
140									
150									

Expedition 341 S. Alaska Margin: 341A17 D 12H 5 0-118 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 13.6.13
0	mud		N4		slight			clast @ 2.5 cm, ϕ 1.5 cm (ice-rafted)	
10			10Y 4/1		moderate			5-45 cm: slight color variations biosiliceous-rich mud	
20	mud								
30									
40							SS	barren	
50			N4					clast @ 53-58 cm, ϕ 5 cm, schisty metasediment, mica-rich, subrounded	
60								clast @ 60.5 cm, ϕ 1 cm	
70								68-73 cm: sandy/silty patches (brown) ~ϕ 1 cm	
80			N4					clast @ 85 cm, ϕ 0.6 cm	
90									
100	mud								
110				crack				crack @ 113 cm	
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 12H CC 0-13cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JH Date: 13.6.13
0	Mud		N4		0			clast @ 5cm, ϕ 1cm (in CC)	
10								clast @ 9.5cm, ϕ 1cm	
								3 clasts @ 12cm ϕ 0.5cm	
20	X						PAL	17-18cm sample	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 13A (Core:) 1 (Section:) 0-150 (Top Depth:)

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0			N4	0-41: punctured	1 (slight)			0-150 * Mud * slight colour variation to more greyish, greenish, * scattered black mottles * scattered mud patches	HF 13/JUN/13
10									
20									
30									
40									
50									
60									
70								72.5-74.0: irregular & discontinuous strata of silty mud	
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 13A (Core:) 2 (Section:) 0-150 (Top Depth:)

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0			N4		1 (slight)			0-101 * Mud ⇒ "Pretty massive" * VERY SLIGHT colour variations * very few scattered black mottles * few mud patches (< 5 mm	MF 13/JUN/13
10									
20									
30									
40									
50									
60									
70									
80									
90									
100			10Y 4/1		2 (moderate)			101-150: * Mud with bioturbicerous-rich intervals * black mottles * slight colour variations * diatom-rich (?) laminae between ~103-113	
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 13A 3 0-150

Site: Hole: Core: Section: Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0			10Y 4/1		2 (moderate)			0-55.5	MF 13/JUN/13
10								* as section 2, 101-150	
20								* diatom-rich (?) interval between ~22-32	
30									
40									
50									
60			N4		1 (slight)			55.5-150	
70								* Mud	
80								* slight colour variations	
90								* scattered black mottles (few)	
100								* scattered mud & sand lenses (<1cm)	
110								58-61: sub-rounded weathered meta greywacke	
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 13H 4 0–150 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JH Date: 17.6.13
0	mud	slight color banding	N4		0			clayey mud	
10									
20								silty lens @ 24 cm, ϕ 1 cm	
30								clast @ 29.5 cm, ϕ 0.5 cm clasts @ 29 cm, ϕ 0.5 cm	
40									
50								2 clasts @ 50 cm, 51 cm, ϕ 0.5 cm	
60	mud								
70					slight to 140				
80			N4					clast @ 80 cm ϕ 0.5 cm	
90								clast @ 90 cm, ϕ 0.5 cm	
100									
110	mud								
120									
130									
140	diato-bearing mud						55	140–150 cm color variations: not very look diato-bearing mud	
150									

Expedition 341 S. Alaska Margin: 414/17 D 13H 5 0–150 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 13.6.13
0									
10								clast @ 8 cm, ϕ 1.5 cm	
20			N4					clast @ 25 cm, ϕ 0.5 cm	
30		slight color banding						lense of white (weathered feldspar) @ 24.5 cm	
40	mud				slight				
50									
60									
70								silty layer @ 72 cm (<1 cm)	
80	mud		N4						
90								92–135 cm color variations, oozy looking interval = ooze!	
100			10Y 4/1		moderate				
110	ooze								
120							SS		
130									
140	mud				slight			- dark-grey layer @ 137 cm - dark-grey/black layer @ 141 cm with sand lenses	
150									

Expedition 341 S. Alaska Margin: U1417 D 13H 6 0-54cm

Site:	Hole:	Core:	Section:	Top Depth:
U1417	D	13H	6	0-54cm

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 12.6.13
0									
10									
20	void		N4	void	slight			20-55cm liner not completely filled	
30								clast @ 28cm, Ø 0.8cm	
40								clast @ 37cm, Ø 2cm	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 414A17 H 13H CC 0-15cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 13.6.13
0	Md		N4	Feathery				Md	
10									
15	X						PAL	15-20cm sample	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 14H 1 0–150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: MF 13/JUN/13 Date:
0			10Y 4/4		?			0–16:	
10								* diatom ooze	
1								* irregular lower boundary ↳ due to disturbance?	
20			N4		1 (high)			16–97.5:	
30								* Mud	
40								* very little colour variation	
								* scattered black mottles	
50								* gradational lower boundary	
								* scattred mud / sand patches	
60								97.5–114:	
70								* diatom ooze	
								* gradational lower boundary	
80									
90								114–150:	
100								* as 16–97.5	
			10Y 4/1						
110									
120									
130			N4						
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 14H 2 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: HF 13/JUN/13
0			10Y4/4		1 (slight)			0-150 (diatom)	
10								* Mud with bioturbated zones in intervals e.g. 13-15, 38-51, 81-84, 98-102 (?)	
20									
30								* colour variations to slightly more greyish & greenish	
40				see ↳				* rel. greenish/lighter between 88-103	
50								* some black mottles	
60								* occasional mud patches	
70								Disturbance: → below 5 cm	
80								* bowed	
90								* pull-down along liner walls (~1.5 cm)	
100								* "funnels-shaped downward-bending" in the core (up to 3 cm)	
110								↳ 	
120								↳ moderate disturbance	
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 14H 3 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:
0–150			N4	see disturbance in section 2	1 (slight)			0-124 * Mud * slight colour variation * some black mottles * occasional mud patches 124-150: * Mud with sand patches ↳ heavily disturbed * some black mottles	HF 13/JUN/13

mixed clasts

Expedition 341 S. Alaska Margin: U1417 D 14# 4 0–150 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: JH 13.6.13
0–150			N4	moderately	slight			clayey mud, 0–11 cm flow in dis. sed. (sand lens) clast @ 2.5 cm, ϕ 0.5 cm clast @ 11 cm, ϕ 0.5 cm clast @ 21.5 cm, ϕ 0.5 cm clasts @ 38–42 cm, ϕ 0.6 cm clasts @ 46–49 cm, ϕ 0.5 cm clast @ 67 cm, ϕ 0.5 cm clast @ 90 cm, ϕ 0.5 cm clast @ 110 cm, ϕ 0.5 cm clast @ 114 cm, ϕ 0.5 cm clast @ 127 cm, ϕ 0.5 cm drilling disturbance	

Expedition 341 S. Alaska Margin: U1417 D 14H 5 0-150 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 13.6.13
0								throughout section: clayey mud	
10			N4					clast @ 12.5 cm, ϕ 0.5 cm	
20									
30									
40								clast @ 39 cm, ϕ 0.6 cm (in WH)	
50								clast @ 53 cm, ϕ 0.5 cm	
60								clast @ 64 cm, ϕ 0.5 cm	
70				slight bours	slight			clast @ 69 cm, ϕ 0.5 cm silty layer @ 69 cm	
80									
90									
100									
110			10Y 4/1				SS (104)	diatom-rich layer @ 104 cm (<2 cm)	
120									
130									
140									
150			N4						

Expedition 341 S. Alaska Margin: U1417 D 14H 6 0-77cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 13.6.13
0	mud		N4	0				clayey mud	
10									
20				mixed*	slight to moderate				
30							SS (27)	25-28cm: volcaniclastic sand, brown glass + lenses on top	
40	ooze		10Y 4/1	slight				32-54cm: diatom ooze (color variations)	
50									
60									
70	mud		N4	moderate					
80									
90									
100									
110									
120									
130									
140									
150									

* mixed = slurry/smeared liquified & mixed-up during drilling (= heart)

Expedition 341 S. Alaska Margin: U1417 D 14H CC 0–16 cm

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: JM Date: 13.6.17
0	mud		N4	moderate cracks	slight			clayey mud	
10									
16	X						PAL	16–21 cm PAL sample	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 15H 1 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-13-13 Date:
0									
10									
20								Gttoge Sect start	
30							SS33	mud	
40	mud		5g 4/1			5g 4/1			
50									
60									
70									
80						clast forcsent 9 > 2mm			
90									
100			N4					argillite, 6 at long axis, subangular	
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 15H 2 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-13-13 Date:
0						clasts present		colour banding	
10	mud		N4			1?>2mm			
20									
30								1 cm, subrounded	
32									
40									
46									
50									
60	void								
70									
80									
90									
100									
110									
120									
130									
135									
140									
143									
150									

Expedition 341 S. Alaska Margin: U1417 D 15H 3 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: HB, Date: 8-13-13
0						clasts present			
10									
20	mud		N4						
30									
40									
50									
56	sand + mud		5Y 4/1				SS67	interbedded sand and mud, sand was 1.5 cm thick sand/silt	
67									
70						present ?			
80	d 00Z							cottage cheese sheet.	
90									
100			N4				SS97	d-o.	
110									
120									
130									
140									
150	◇					◇		0.5 cm	

Expedition 341 S. Alaska Margin: U1417 D 15H 4 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HE, K-13-13 Date:
0						clasts present >2mm			
10									
20									
30	d. ooze		04						
40									
50									
60									
70									
77									
80						clasts present >2mm		cottage cheese texture.	
90	mud								
100			N4						
110									
114									
117									
120									
130									
140									
150									

DLV

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 15H (Core:) 5 (Section:) 125.30m CSF-A (Top Depth:)

Major Lithology: Mud ..... Minor Lithology: ~~Diatom ooze~~

Logged by: Childress Date: June 13 2013

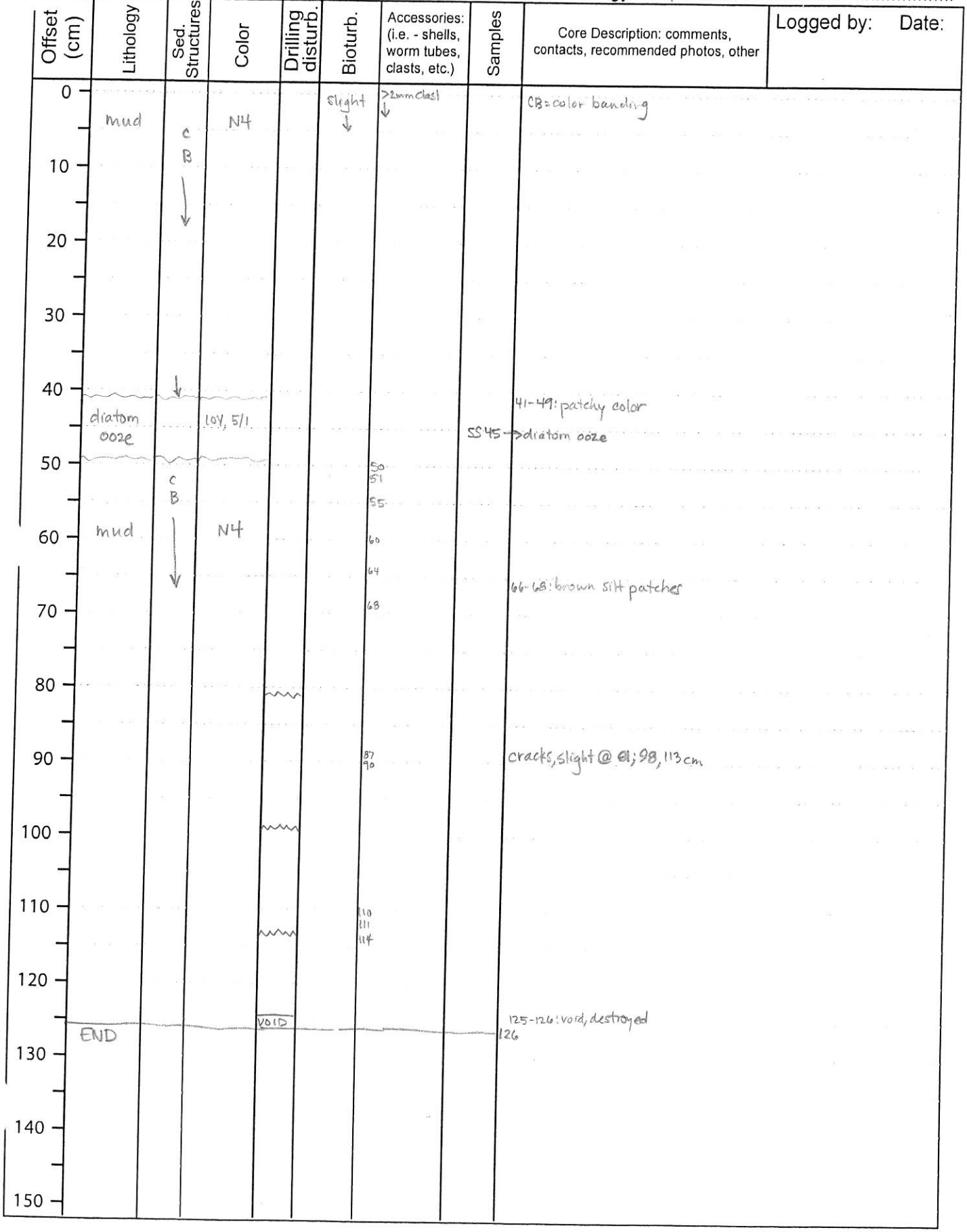
Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0						Clasts (>2mm) ↓		*0-79: faint black/green bands
10	mud	Color band	N4					
20								
30								
40								
50						49		
						64		
60								
70								
80	diatom ooze		10Y, 5/1			79(2x)		79-92: patches
90								
100		Color b.						92-150: faint black/green bands
110	mud		N4			114		
120						119		
						123		
130								
140								
150								

DLV

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 15H (Core:) 6 (Section:) 126.80m CSF-A (Top Depth:)

Major Lithology: Mud Minor Lithology: Diatom ooze

Logged by: Date:



DLJ

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 15H (Core:) 7 (Section:) 128.30m CSF-A (Top Depth:)

Major Lithology: MUD Minor Lithology:

Logged by: Childress Date: June 13 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0					slight ↓	>2mm clasts ↓ 2		Cb = color banding
10	mud	C B	N4			9		
20								
30						31 32		26-30cm: N5 silt patches
40				~~~		39		41-42: crack, moderate
50						47		
60				~~~				55-56: crack, moderate
	sand	NG	N3			64	SS 65	63-65, sand layer, N3, normal grading (NG) → sand (fine grained)
70	mud	C B	N4					
80	PAL						PAL	77 82
90								
100								
110								
120								
130								
140								
150								

Expedition 341 S. Alaska Margin: U1417 D 16H 1 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-13-13 Date:
0						fracture			
10	↑		N4			62cm			
20	↓								
30	mud								
40									
50									
60									
70									
80							CS	mud	
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 16H 2 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-13-13 Date:
0						clasts present			
10									
20	mud		5G 4/1						
30									
40									
50							SS50	mud	
60									
70							SS69	mud	
80									
90									
100									
110									
120								cottage cheese structure	
130	diat. ooze		5G 4/1						
140									
150									

Expedition 341 S. Alaska Margin: U1417 16H 3 3 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: HC, 6-13-13 Date:
0								cottage cheese structure	
10	Mud		5G 4/1				SS10	diatom ooze	
20									
23						clasts present			
30									
40	Mud							1 cm; Subrounded	
41									
50									
51									
60									
70									
80									
90									
93						present			
100	diat. ooze		5G 4/1					cottage cheese structure	
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 16A 4 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-13-13 Date:
0									
9	0					fissile clasts			
10						0		3cm clast, rounded, argillite	
20									
30									
40									
50									
56	mud		5Y						
60									
70									
80									
90									
100									
110									
113	◇					◇		2cm, subrounded, argillite	
120									
130									
140									
150									

DL✓

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 16H (Core:) 5 (Section:) 134.80m CSF-A (Top Depth:)

Major Lithology: Mud Minor Lithology: Diatom bearing mud

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0					slight ↓	>2mm clast ↓		0-19: black mottling
10	mud		N4					
19								19-76: black mottling
30								
40								
46							SS45 →	diatom bearing mud
50	diatom bearing mud		5G, 4/1					
59						59(27)		
70								
76								
80		color banding				79		76-150: faint green/black color bands
88						88		
100	mud		N4					
110						112		
120	silt	NG	N3					122-123: silt layer, N3, normal grading
130	mud		N4			134		135-140: clast drag, slight, in A'/2
140						138		
150								

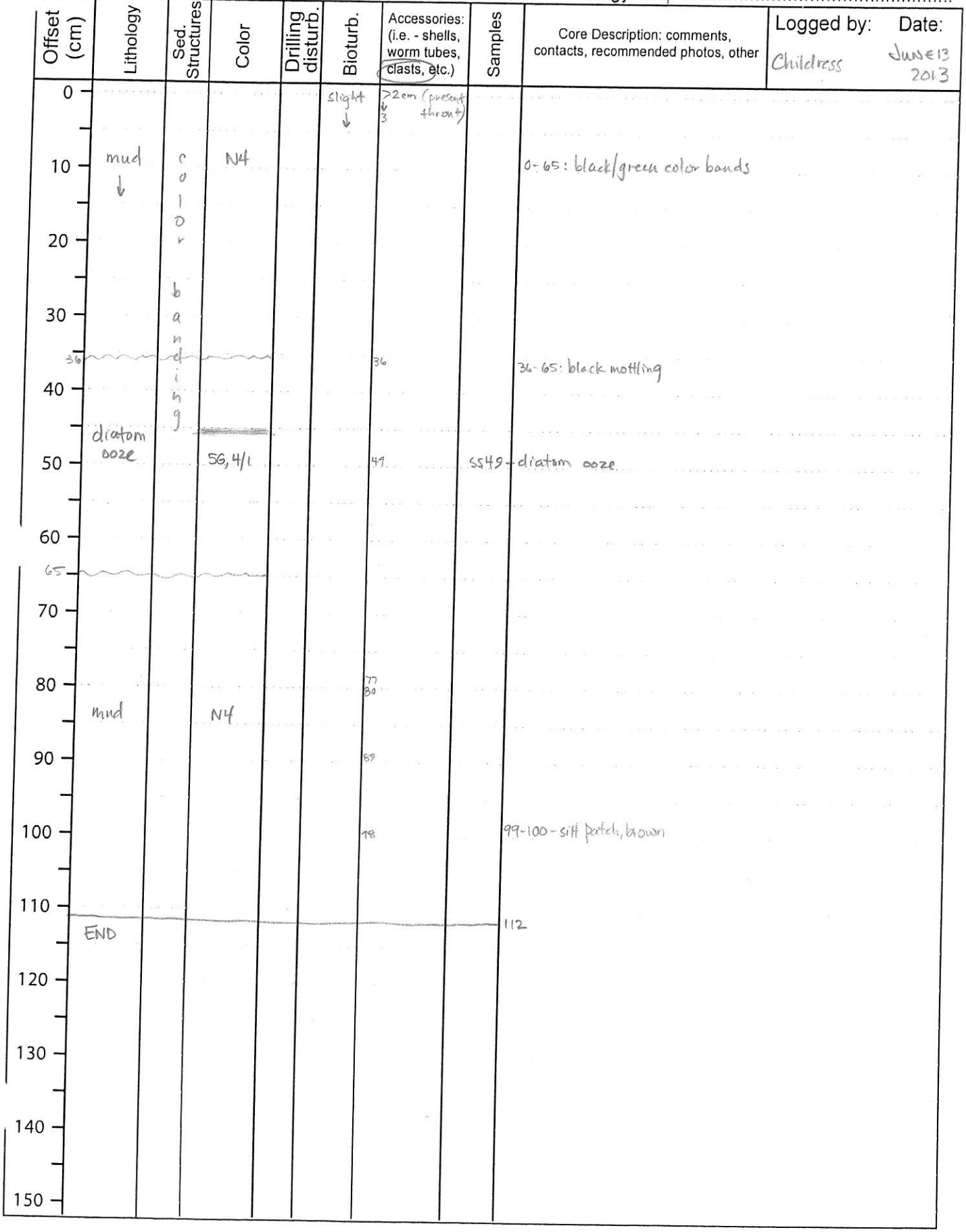
Logged by: Childress Date: June 13 2013

DLV

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 16H (Core:) 6 (Section:) 136.30m CSF-A (Top Depth:)

Major Lithology: Mud ..... Minor Lithology: ~~Diatom ooze~~

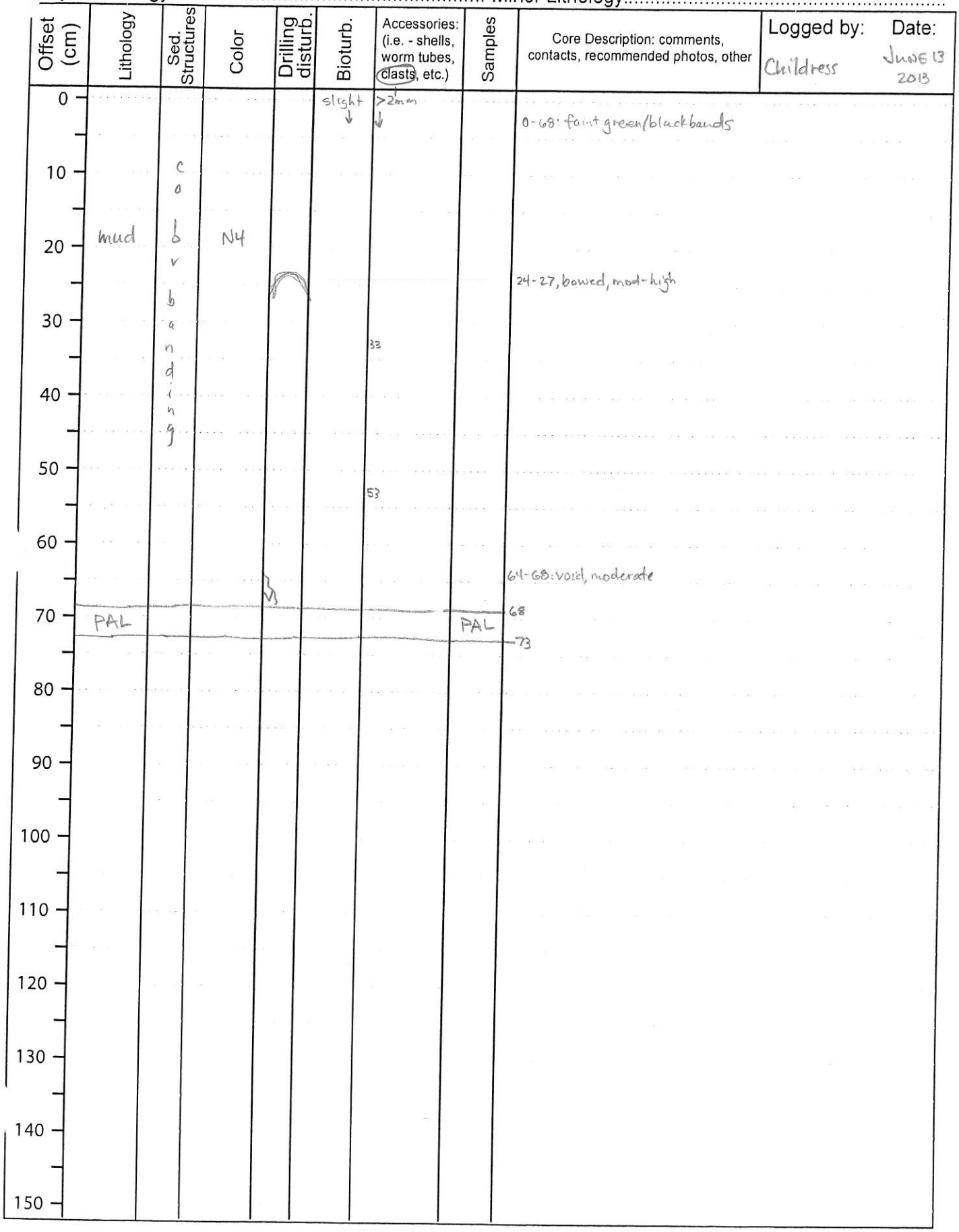
Logged by: Childress Date: June 13 2013



DLV

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 16H (Core:) 7 (Section:) 137.42 CSF-A (Top Depth:)

Major Lithology: Mud Minor Lithology:



DLV

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 16H (Core:) CC (Section:) 138.15m CSF-A (Top Depth:)

Major Lithology: MUD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	sand		N5	mixed		absent		
3	mud		N4					
10							8	
	PAL						PAL	
	END						13	
20								
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

Logged by: Childress Date: June 13 2013

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 17H (Core:) 1 (Section:) 138.30 m CSF-A (Top Depth:)

Major Lithology: MUD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	mud	color banding (CB)	N4	3 voids	slight ↓	>2mm ↓		*black/green CB
30						29 32		
80						80 81		
100	silt		N3			104	SS 103	101-103: → silt
110						111		
120	mud	CB	N4					
130						128		128-130: 3cm silty sandstone
140								
150								

Logged by: Childress Date: June 13 2013

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 17H (Core:) 2 (Section:) 139.80 m CSF-A (Top Depth:)

Major Lithology: MuD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0						>2mm clasts per section 0-89 ↓		0-47: small clast drag
10								
15						15		
20								
27						27		
30								
40								
50	mud		N4					
60								
70								
80								
82					↑ none			
90					slight ↓	clast absent ↓		82-150: black mottling " : green bands
100	mud	color banding	5GY, 4/1					
110								
120								
130								
140								
150								

Logged by: Childress Date: June 13 2013

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 17H (Core:) 3 (Section:) 141.30 m CSF-A (Top Depth:)

Major Lithology: MUD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0				none	Slight ↓			0-58; black mottling
10						14		
20						18		
30	mud		5GY, 4/1				SS34	→ mud, no bio
40								
50						49		
						54		
58								
60						62		59-150: green/black color bands; black mottling
70		color banding						
80	mud		N4					
90						90		
						92		
100						100		
110						109		
120								
130								
140						141		
						143		
150						145(2x)		

Logged by: Childress Date: June 13 2013

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 17H (Core:) 4 (Section:) 142.80 m CSF-A (Top Depth:)

Major Lithology: MUD Minor Lithology:

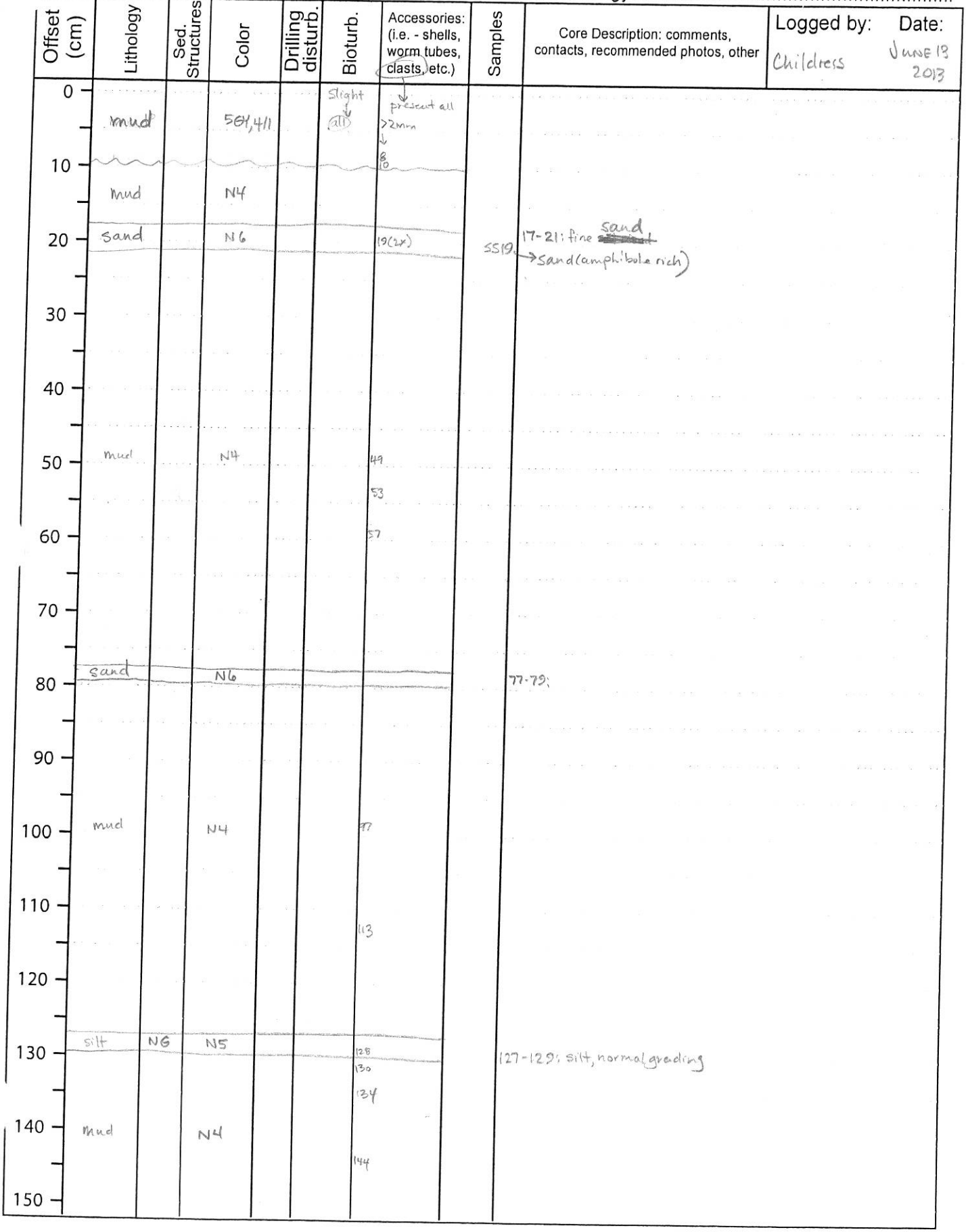
Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0				none		>2mm ↓		
10	mud		N4					
20					↑ none	21 23(2x)		
24					slight ↓	absent clast		24-66: black mottling
30								
40	mud		5GY, 4/1					
50								
60								
66					none ↓	present clasts		
70	mud		N4					
77								
79	sand		5Y, 6/1				S878	77-79: fine sand, normal grading → Sand (amphibole rich)
80						81		
90	mud		N4					
100						98 103		
	sand		N6					104-105:
	mud		N4					
110	sand		N6					111-112:
120	mud		N4					
						124		
129						128		
130					slight			129-150: black mottling
						134(2x)		
140	mud		5GY, 4/1					
150								

Logged by: Childress Date: JUNE 13 2013

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 17H (Core:) 5 (Section:) 144.30 m CSF-A (Top Depth:)

Major Lithology: Mud Minor Lithology:

Logged by: Childress Date: June 13 2013



Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 17H (Core:) 6 (Section:) 145.80 m CSF-A (Top Depth:)

Major Lithology: MUD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clast(s), etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0						>2mm Pressed		Logged by: Childress Date: June 13 2013
10	mud		N4			6, 13		
20	ash		2.5Y, 6/2			21	SS20	20-21: Poor ash: ~~unsorted~~ sorted, color edge
30	silt	NG	N5			29		28-29
40		color banding (CB)				41, 45		
50	mud		N4					
60						64, 66		
70				V		76		75-78: clast void, w ½
80	sand	NG	N5					82-85: normally grad. to silt
90						89		
100	mud	CB	N4			104, 106		
110								
120				V o i d				117-143: void, high
130								
140	PAL						PAL	143, 145
150								

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 17H (Core:) CC (Section:) 147.25m CSF-A (Top Depth:)

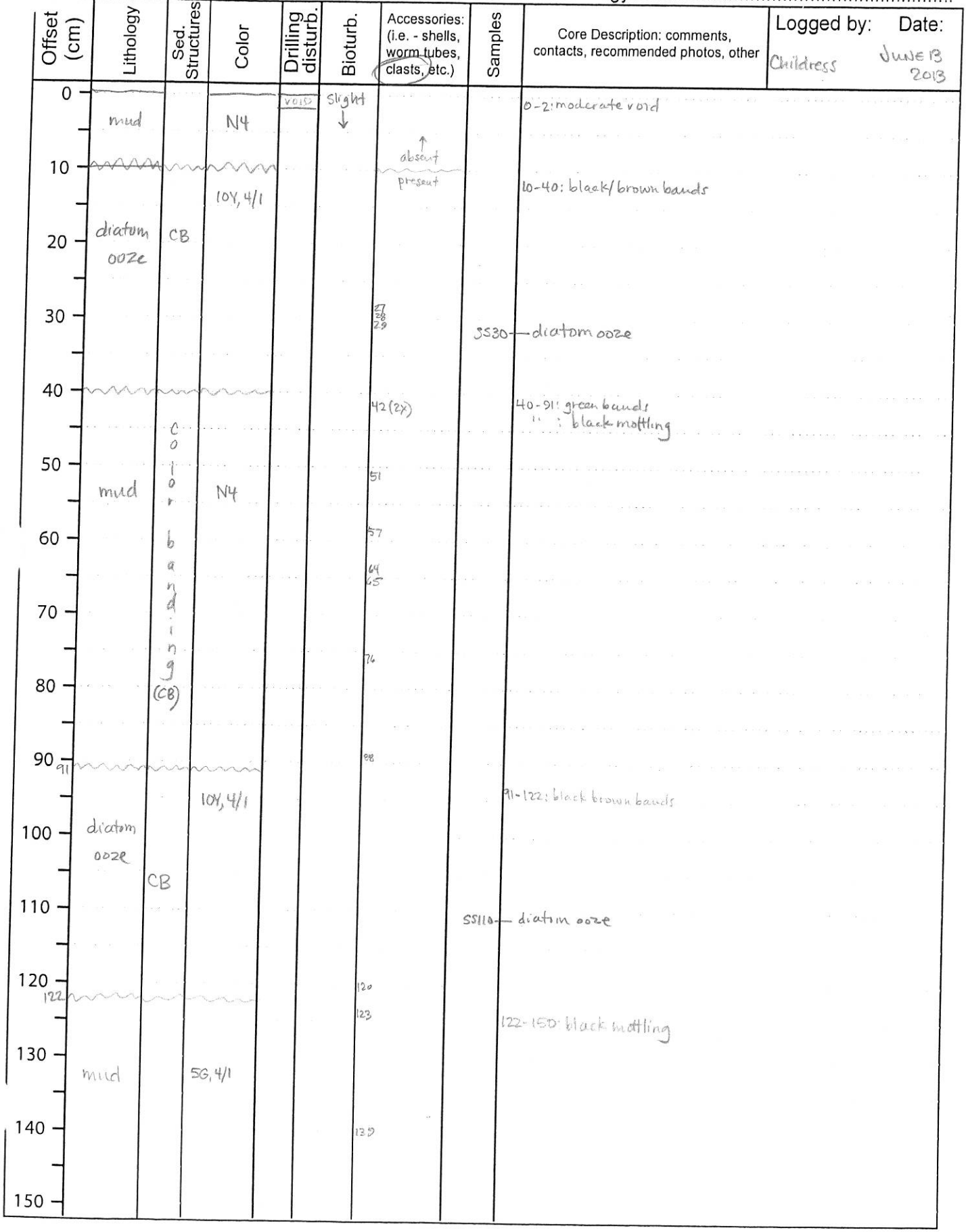
Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress Date: June 13 2013
0	mud		N4	slight		absent			
10	PAL						PAL	12	
20								17	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 18H (Core:) 1 (Section:) 147.40 m CSF-A (Top Depth:)

Major Lithology: Mud Minor Lithology: Diatom ooze

Logged by: Childress Date: June 13 2013



Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 18H (Core:) 2 (Section:) 148.90 m CSF-A (Top Depth:)

Major Lithology: Mud ..... Minor Lithology: Diatom ooze

Logged by: Childress Date: June 13 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	sand		5Y, 6/1	X	Slight ↓	absent		0-1: very disturbed by coring, sand sized layer
						>2mm clast ↓ 5		1-44: black mottling
10						9 11		
20	mud		N4					
30						24 25		
40						41 43		
44						absent		
50	diatom ooze	color (CB) bar. dist.	10Y, 4/1					
60								60-107: black mottling
70						64(2x)		
80						76(2x) 82		
90	mud		N4			85(2x) 89		
100						95 99		
108						107		
110	diatom ooze	C B	10Y, 4/1			absent	SS112	SS112 - diatom ooze
120								120-150: black mottling
130	mud		N4			129		
140						141(2x) 142		
150						148		

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 18H (Core:) 3 (Section:) 150.40m CSF-A (Top Depth:)

Major Lithology: Diatom bearing mud Minor Lithology: Mud

Logged by: Childress Date: June 13 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	diatom bearing mud	color banding (CB)	5G 4/1		Slight ↓	>2mm clasts ↓ 4		0-103: black mottling
100				slight ↓			103	103-150: [redacted] green color band " : black mottling
110	mud	CB	N4			absent		
118	coarse sand		N3	soupy				118-122: ?
120						8X		
122								
130	mud		N4			130		
140			N5	bowed				
150	↓					148(2)Y		

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 18H (Core:) 4 (Section:) 151.90m CSF-A (Top Depth:)

Major Lithology: Mud Minor Lithology: Silt

Logged by: Childress Date: June 13 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	mud		N4		slight ↓	>2mm clast ↓		all upper gradational contacts, a
	silt	NB	5Y, 5/1					2-4:
	mud		N4			*present in all N4		
10	silt	NB	5Y, 5/1					9-12
20								
30								
						35		
						36		
40						43		
	mud		N4	M				44-46: slight to mod. clast vord, in A 1/2
50						49		
60						60		
						66		
70								
80								
	silt	NB	5Y, 5/1					84-85
90	mud		N4					
	silt	NB	5Y, 5/1				SS95	94-95 silt
100								
110								
	mud		N4			112		
120								
130								
						136		
140						139		
150								

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 18H (Core:) 5 (Section:) 153.40m CSF-A (Top Depth:)

Major Lithology: Mud Minor Lithology:

Logged by: Childress Date: June 13 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0					slight ↓	>2mm		* green/black color bands
10								
20	mud	color banding	N4					
30						30		
40				(V)		38		38-40: slight clast vords, in W1/2
50						52		
60								
70						67		
						74		
80								
90						92		
						93(2x)		
						94		
						95		
100						101		
						104		
						105		
						106		
110						113		
						115(2x)		
120						117		
130						127		
140								
150						148(2x)		

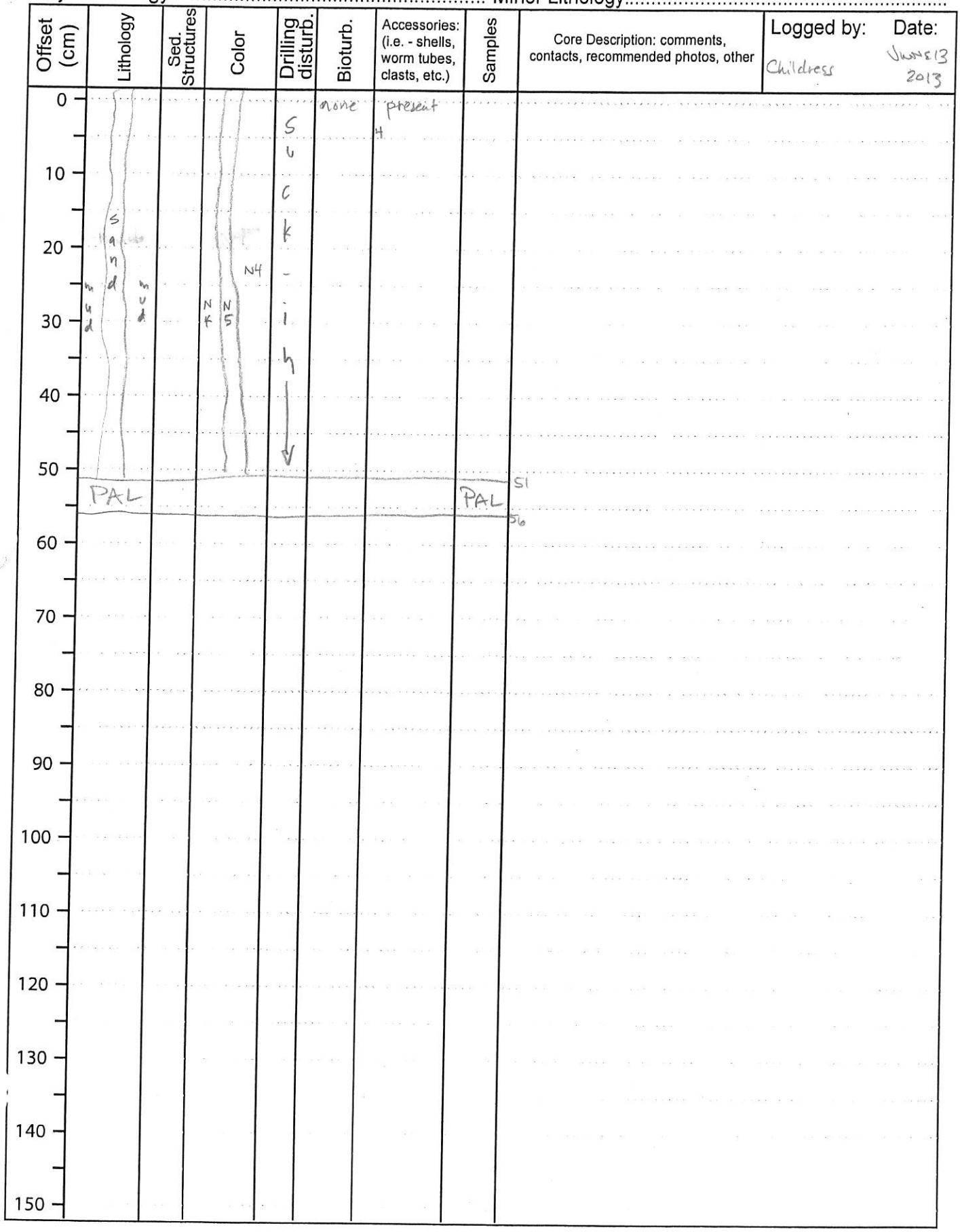
Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 18H (Core:) 6 (Section:) 154.90m CSF-A (Top Depth:)

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: JUNE 13 2013
0					slight					
10										
20	mud		N4							
30						absent		34-41		
40	sand	NG	N3			absent	SS40	→ sand, normally graded		
50	mud		N4			54				
60						60				
70						67		70-109: black mottling		
80	diatom bearing mud		5G 4/1			81				
90										
100										
110 (109)	ash		5Y, 6/1			110 (2x)	SS106	ash: 105-106		
120	mud		N4			126				
130	sand		N5	SUCK IN		127				
140										
150										

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 18H (Core:) 7 (Section:) 156.40m CSF-A (Top Depth:)

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



Expedition 341 S. Alaska Margin: U1417 D 19H CC 0-17

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						HB, 6-13-13
10									
12	PAL								
17									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 2oH 1 0-89

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-13-13 Date:
0						Present clasts		massive mud	
10	mud		N4						
20									
28 30								angular, lav, argillite	
40 41								angular, lav, argillite	
50							3550	mud	
56 60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 22H 1 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-13-13 Date:
0								massive mud	
10			N4/						
20			10Y4/1						
30									
40									
50									
60	◇		10Y4/1			◇	SS67	argillite, 2cm, subangular	
70							SS70	10- silt mud	
80									
90									
100			10Y4/1						
110									
120									
130									
140									
150			10Y4/1					disturbance? pods	

Expedition 341 S. Alaska Margin: U1417 D 22H 2 0-150

Site: Hole: Core: Section: Top Depth:

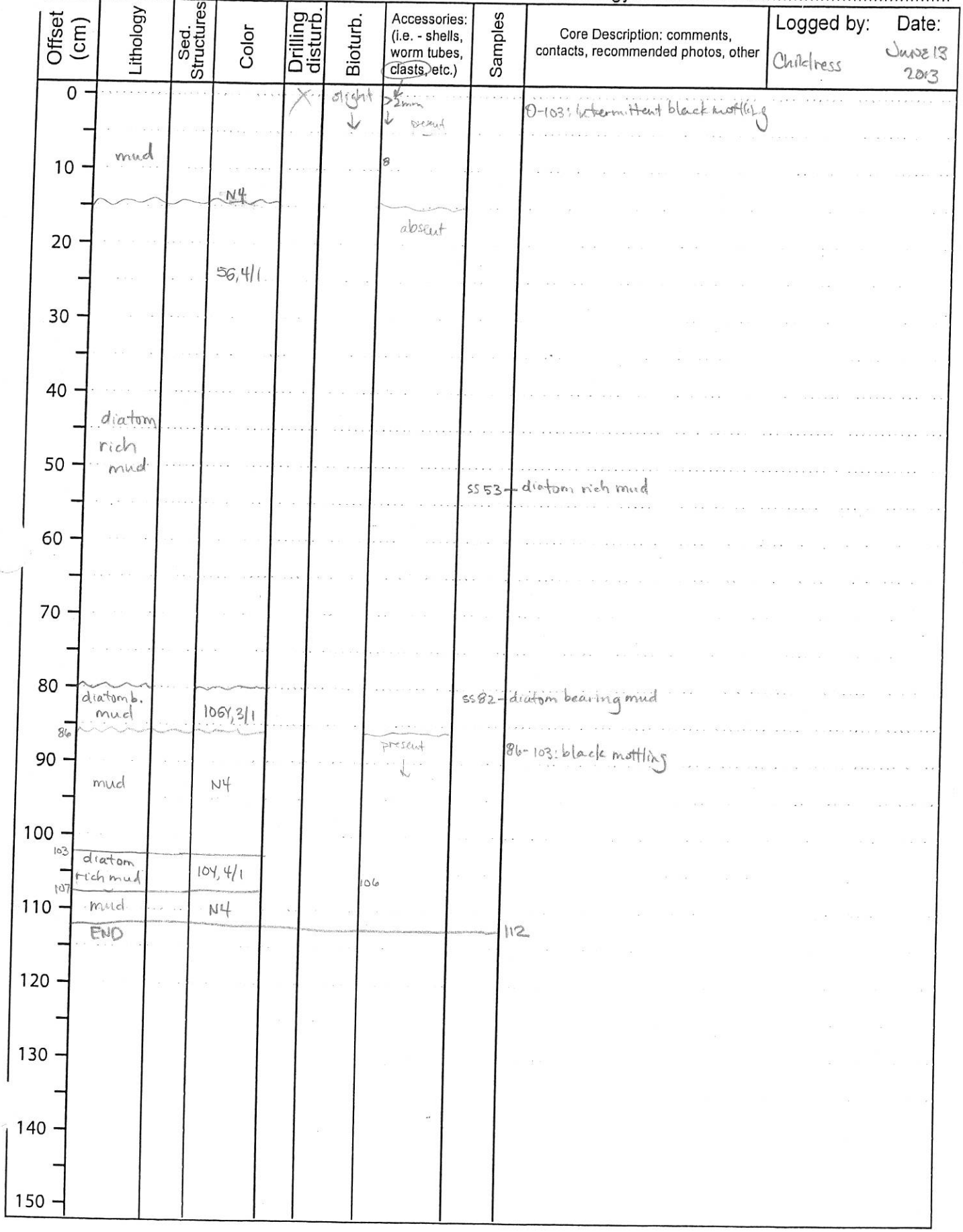
Major Lithology: wwd Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-13-13 Date:
0									
10			10Y4/1					colour bandings	
18			10Y4/1						
20									
30									
40	wwd		N4						
50									
60									
70									
79			10Y4/1						
80									
90									
97			10Y4/1						
100							91107	silt	
106									
108			10Y4/1						
110									
118			10Y4/1						
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 22H (Core:) 3A (Section:) 169.30 m CSF-A (Top Depth:)

Major Lithology: Diatom muds Minor Lithology:

Logged by: Childress Date: June 13 2013



Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 22H (Core:) CC-A (Section:) 170.42m CSF-A (Top Depth:)

Major Lithology: Diatom Rich Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	mud		N4		slight	>2mm ↓ 4		
6								
10	diatom rich mud		10Y, 4/1					9-10: moderate void
19								
20	PAL						PAL	
24								
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

Logged by: Childress Date: June 13 2013

Expedition 341 S. Alaska Margin: U1417 D 23H 1 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: AB, Date: 6-13-13
0									
10	diat. rich mud								
20			N4						
30							SS 27		
40									
50			N4					5Y 4/2	
57	dl.fd.m		N4					5Y 4/2	
60	sl.sd.m							5Y 4/2	
63			N4						
68									
70								5Y 4/2	
73			N4				SS 75	5Y 4/2	
80								very fine silt	
90			N4						
100								5Y 4/2	
110			N4						
112								5Y 4/2	
117								5Y 4/2	
120			N4						
130									
135							SS 137	5Y 4/2	very fine silt
140			N4						
150			N4					5Y 4/2	

Expedition 341 S. Alaska Margin: 1114 17 D 23H 2 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: AB, 6-13-13 Date:
0									
10			N4						
20									
27								5Y 4/2	
30			N4				SS 30	5Y 4/2	uSilt
31									
33			N4					5Y 4/2	
35.5									
40			N4						
44.5								5Y 4/2	
49									
50			N4						
53									
56.5								10YR 5/1	
60									
70			N4						
80								10YR 5/1	
90									
100			N4						
							SS 115	mud, barren	
110									
120									
120								10YR 5/1	
130			N4						
140									
145								10YR 5/1	
149			N4						
150								10YR 5/1	

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 23H (Core:) 3A (Section:) 174.00m CSF-A (Top Depth:)

Major Lithology: Mud Minor Lithology: Diatom ooze

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	mud		N4		slight	>2mm present		
10	silt / mud		N5 / N4					9-10: silt layer, N5
12						13		
	diatom ooze		N4				SS15	diatom ooze
20								
23								23-11; black mottling
30								
40						39		
	mud		N4			45		
50						52		
60								
70								
80								
90						95		
100								
						105		
						108		
110	END						111	
120								
130								
140								
150								

Logged by: Childress Date: June 13 2013

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 23H (Core:) 4A (Section:) 175.11m CSF-A (Top Depth:)

Major Lithology: MUD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0					slight ↓	>2mm 2 present		
10	mud	color banding	N4					
20								
30								
40								
50								
60				∨				61-62: void; moderate
								63
70								
80								
90								
100								
110								
120								
130								
140								
150								

Logged by: Childress Date: June 13 2013

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 23H (Core:) CC-A (Section:) 175.74m CSF-A (Top Depth:)

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 13 2013
0	mud		N4	VOID				7-9: mod-high void		
10	diatom b. mud							17: crack, slight to mod.		
20	PAL						PAL	22		
30								27		
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1417 (Site) D (Hole) 24H (Core) 1 (Section) 0-150 (Top Depth)

Major Lithology: mud   Minor Lithology:

Logged by: HB   Date: 6-13-13

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0						Mutr		
10			5Y4/2				SS/10	1 clast, rounded in CWH, here: missing. d.r. mud
20						clasts present		
30	mud		N4					colour banded
40								metasiltstone, subrounded, 3cm
100			5Y4/2				SS/102	d.b. mud
130	mud		N4					massive mud
150								

Expedition 341 S. Alaska Margin: U1417 D 2H 2 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: NB, 6-13-13 Date:
0									
10									
20	◇ mud		5Y 4/2			◇		1clast, 0.5cm massive mud	
30									
40									
50									
57			5Y 4/2				SS2	d.b. – d	
60									
64						Clasts present			
70									
77	◇		5Y 4/2			◇		clast bearded 1clast, 1.5cm, subrounded	
80									
90	mud								
96	◇					◇		0.5cm	
100									
106						◇		granule	
110									
120									
130									
140									
150									

DL✓

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 24H (Core:) 3A (Section:) 178.70 m CSF-A (Top Depth:)

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

Logged by: Childress Date: JUNE 13 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0				X	slight ↓	>2mm ↓		
10	diatom bearing mud		5G, 4/1			absent		
20								
22								22-78: black mottling
30								
40	mud		N4					
50						54		
60								
70								
78						absent		78-97: black mottling
90	diatom bearing mud		5G, 4/1					
97								
100	silt		N5			98	SS101	97-150: black mottling; green bands 100-101: silt layer → mud
110		Color bands				absent		
120	silt mud		N4					120: silt
130								
140								
150								

DLC

Expedition 341 S. Alaska Margin: U1417 (D) 24H CC-A 180.20 m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: MUD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0					slight	absent		black mottling
10	mud	bands	N4	crushed				green bands
20	PAL						PAL	20
25								25
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

Logged by: Childress Date: June 13 2013

Expedition 341 S. Alaska Margin: U1417 D 25H 1 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: NB, 6-13-13 Date:
0									
10	◇					◇		Dm clast, subrounded argillite	
20	mud		N4				SS 20	mud	
30									
40									
45	dist. b. mud		5Y 4/2					Cottage c.s.	
50	mud		N4						
60									
70								Cottage loess structure	
80			5Y 5/2						
90									
100									
110									
120									
130	◇					◇	SS 130	limestone, meteorite stone, 5 cm mud	
138									
140	mud		N4					silt, 10Y 4/1	
146									
148	mud		N4						
150									

Expedition 341 S. Alaska Margin: U1417 D 2SH 2A 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-13-13 Date:
0									
10								cottage cheese structure	
20	dat. b. Mud		5Y4/2				SS20		
30									
40									
47									
50									
60	Mud		N4						
68									
70	diatom bearing Mud		5Y4/2					cottage cheese structure	
80									
90									
100						S	SS100 Mud		
110	Mud		N4						
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 25H (Core:) 3A (Section:) 183.40m CSF-A (Top Depth:)

Major Lithology: Interbedded Silt & Mud (IBSM) Minor Lithology:

Logged by: Childress Date: June 13 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	IBSM	CB	N4	bowed	slight	>2mm		*silts N5/N6
10	silt fine sand	NB	N3	↓	↓	3		*green/black color bands
12				Slight to mod.			SS13 →	silt
20	IBSM	Color banding (CB)	N4					
30	↓	↓	↓			27		
40						37		
50						52		
60							SS62 →	silt
70						65 68 70 72		
80								
90						86 87 90		
100						94(2x)		
110						107 110		
120	END					119	121	
130								
140								
150								

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 25H (Core:) 4H (Section:) 184.61 m CSF-A (Top Depth:)

Major Lithology: INTERBEDDED SILT & MUD (IBSM) Minor Lithology:

Logged by: Childress Date: June 13 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	IBSM	color banded	N4	bs wed ↓ mod. to high		72 hm ↓ 21 45		*green bands; black mottling 0-51: drag, slight to mod.
50	END						51	
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 25H (Core:) CC-A (Section:) 185.12 m CSF-A (Top Depth:)

Major Lithology: INTERBEDDED SILTY MUD (IBSM) Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0					slight	>2mm ↓		
10	IBSM		N4	VOID		12		9-11: vord, high
20				VOID				20-21: vord, high. 21
	PAL						PAL	
								26
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

Logged by: Childress Date: June 13 2013

Expedition 341 S. Alaska Margin: U1417 D 26H 1A 0-150

Site:	Hole:	Core:	Section:	Top Depth:
U1417	D	26H	1A	0-150

Major Lithology:.. Minor Lithology:..

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
									JF 14/JUN/13
0			N4					0-22.5 * Mud * some black mottles	
10									
20									
30			5Y 4/1					22.5-122.5 * biosiliceous-rich mud (mostly diatoms?) in upper parts grading to mud with lower contents of biosiliceous	
40									
50									
60									
70								122.5-150 * as 0-22.5	
80									
90									
100			N4						
110									
120									
130									
140									
150									

Drilling disturb. (0-150): suck in (heavy); 0-122.5 : mousselike; some pattern of structure preserved

Expedition 341 S. Alaska Margin: U1417 D 26H 2A 0-60

Site: Hole: Core: Section: Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: MF 14/JUN/13
0			N4	(much in (high disturbance)				0-2 * void 2-60 * mud * some black mottles * some mud/very fine sand patches (< 1.0cm, somewhat lighter) between 5-15 cm & around 58-59 cm	
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 26H CC 0-32

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: 14/JUN/13
0			N4	moderate (flowing)				0-26.5 * mud & some black mottles	
10									
20									
30							PAL	26.5-32: PAL	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 27H 1 0-101 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 14.6.13
0–150	mud		N4	moderate (moderate to high)	(0)			highly disturbed mud → clayey mud	

Stuck in

Expedition 341 S. Alaska Margin: U1417 D 27 2 0-68 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JH Date: 14/6/17
0								Liner not completely filled between 0-27 cm	
10									
20	mud		N4	slight	0				
30									
40								2 clasts @ 42.5 cm, ϕ 0.5 cm	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 41417 D 27 CC 0-7cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 14.6.13
0	Mud		N4	slight	0				
10	PAL							PAL sample 7-13 cm	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 28H 1A 0-152

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: VF 14/JUN/13
0			N4	see Lo				0-15	
10								* rel. "dry" mud / mousselike?	
20							SS (14)	decomposing ooze	
								15-150	
30					1 (slight)			* interbedded mud & silt/very fine sand	
40								* coarser strata up to 2.5 cm thick	
								Lo slightly lighter (more 10Y 4/1)	
50								Lo mostly continuous, but occasionally discontinuous	
60								Lo generally sharp upper boundary	
								Lo generally transitional lower boundary	
70									
80								* scattered black mottles	
								* scattered mud patches	
90									
100									
110									
							SS	very fine sand	
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 28H 2A 0-101

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: VF 14/JUN/13
0			N4		1 (slight)		SS (8)	0-101 * @ Section 1, 15-150 # coarser intervals more disturbed (discontinuous, patchy) below ~69 cm ↳ some coarser patches seem to be dislocated * coarser intervals below ~60 cm slightly lighter * max thickness of coarser intervals: ~4.5 cm	
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 28H CC 0-32.5

Site: Hole: Core: Section: Top Depth:

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

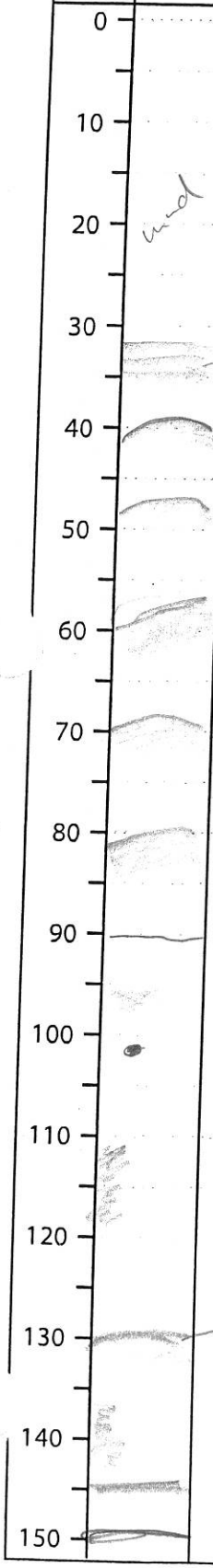
Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0			N4		1 (slight)			0-32.5: * as section 1, 15-150 * coarser intervals more discontinuous & lighter than in upper sections	TF 14/JUN/13
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 29H 1 0-151 cm.

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 14.6.'13



Drilling disturb.: moderate (heavy) Soupy

Bioturb.: very slight

0-90 cm interbedded (clayey) mud & fine silt/sand
↓ N4 ↓ 10Y 4/1
sharp boundaries (erosive upper & lower)

clast @ 101 cm, ϕ 1cm

between 93 cm & 150 cm
layers & patches of silty sand (fine sand)
(sharp upper & lower boundaries)

Expedition 341 S. Alaska Margin: U1417 D 29H 2A 0-150

Site: Hole: Core: Section: Top Depth:

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

Logged by: MF 14/JUN/13 Date:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0			N4		1 (slight)			0-145.5 * interbedded mud & silt * coarser strata up ~2 cm thick ↳ brighter than mud (10Y 4/1) ↳ continuous & discontinuous ↳ generally sharp upper boundary ↳ generally erosive lower boundary ↳ less frequent appearance than in section above
10								
20								
30								
40								
50								
60								* scattered coarser patches * ~95 - ~125: ↳ enhanced bioturbation ↳ 10Y 4/1
70							SS	
80								145.5-148: * very fine sand sized ash (glass) * sharp upper boundary * erosive lower boundary * some upward bioturbation into overlying sediments
90								
100			10Y 4/1		2 (moderate)			
110								
120								148-150: * as 0-145.5
130					1			
140								
150			10YR 4/1		0		SS	sand-sized ash

→ 0 = silt

Expedition 341 S. Alaska Margin: U1417 D 29H 3 0-114 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 14.6.13
0									
10								mud (clayey)	
20	mud								
30			N4						
40									
50					slight			clast @ 51 cm, ϕ 0.5 cm	
60								57 – 80 cm : layers & patches (very irregular shape) of silty	
70								clast @ 70 cm, ϕ 0.5 cm	
80			10Y 4/1						
90									
100	mud								
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 29H CC 0-29cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 14.6.13
0	mud								
10			N4		0			silty layer @ 9.5cm (<1cm)	
20								clasts @ 21 & 27cm	
30	X						PAL	29-34cm sample	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 41417 (Site:) D (Hole:) 30H (Core:) 1A (Section:) 0-150 (Top Depth:)

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: MF-14/JUN/13 Date:
0	Mud		N4	along-cut sand smear				* 0-17	
10								* mud with silt band/patches (up to ~3 cm)	
20			N4		1 (slight)				
30								17-112.5:	
40								* mud	
50								* slight color banding to more greyish, greenish	
60								* silty laminae ~58 cm	
70								* 98-103: silt/sand patches (lighter)	
80								* scattered black mottles	
90								* gradational lower boundary	
100								112.5-150:	
110		10Y4/1		2 (mod.)				* mud	
120								* black mottles (more frequent than above)	
130								* 127: ~7 mm thick lighter very fine sand lamina; discontinuous; sharp upper & lower boundaries; partly "bioturbated upward"	
140								(* gradational lower boundary)	
150								NO LIMESTONES!	

Expedition 341 S. Alaska Margin: U1417 D 30H 2A 0-152

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
0								Logged by: MF 14/JaN/13 Date:
10	Mud		10Y 4/1		2 (mod			0-30: * as section 1, 112.5-150 * gradational lower boundary
20								
30								30-63 * bioniliclast-bearing mud with ash * 58.5-58.5: ↳ 5GY 4/1 * gradational lower boundary ↳ also ash (glass)
40	bioni. bearing							
50								
60								63-89 * as section 1, 17-112.5 * scattered lenses of lighter material * gradational lower boundary
70	Mud							
80			N4		1			89-103 * as section 1, 112.5-150
90								
100			10Y 4/1		2			
110	sand		5Y 4/1		0			103-110 * interbedded mud & very fine sand * 5Y 4/1 ("locally 5Y 4/1 and lighter) * 4 coarser strata; 0.5-2 cm thick * sharp upper & lower boundary
120	Mud		10Y 4/1		2			
130								
140								110-137 * as section 1, 112.5-150 * coarse, lighter patch below 134
150								NO LIMESTONES!

Expedition 341 S. Alaska Margin: U1417 D 30H 3A 0-143

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: MF 14/JUN/13
0	Mud		10Y 4/1		2 (mod)			0-29.5:	
10								* bioturbated bearing mud with ash	
								* ~26 cm 5GY 4/1	
20								* gradational lower boundary	
30								29.5-44.5:	
			N4					* as section 1, 17-112.5	
40					1				
								44.5-85.5:	
50								* bioturbated bearing mud with ash	
								85.5-96	
60								* as section 1, 112.5-150	
70	2								
								96-143:	
80			10Y 4/1		2			* as section 1, 17-112.5	
90	2								
100			N4		1				
110									
120									
	8								
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 30H CC 0-34

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	Some cracks	1 (light)			0-28.5	MF 14/JUN/13
10								# as section 1, 17-112.5	
20									
30							PAS	Sample PAL	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 31H 1 0-144 cm

Site: Hole: Core: Section: Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM	Date: 14.6.13
0–48				moussellike (moderate)				(barren) mud heavily disturbed		
48–135	mud		N4	moussellike (heavy)						
135–145	mud		N4					slightly coarser between 126 & 144 cm, diatom bearing?		

Expedition 341 S. Alaska Margin: U1417 D 31H 2 0-93 cm

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: JM Date: 14.6.13
0–150			5GY 4/1 N4	Slight (heavy)	?			slightly greener ~~diatom bearing?~~ clayey mud (barren) sand/silt mixed up in mud → sucked in during drilling disturbance	

Expedition 341 S. Alaska Margin: U1417 D 31H CC 0-22cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 14.6.13
0									
10	mud		N4	slurry				mud/silt/sand mixture (slurry)	
20								partly void	
30	X						PAL	sample 24-29cm	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 32H (Core:) 1A (Section:) 0-150 (Top Depth:)

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

Logged by: HF 14/7/4N/13 Date:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0			10Y 4/1		2 (mod.)			0-67 * mud * scattered black mottles * gradational lower boundary * silty patches / discontinuous strata between 61-65 * gradational lower boundary
10								
20								
30								67-82: * mud * slight colour variations to more greyish greenish * scattered black mottles (less than above) * gradational lower boundary
40								
50								
60								82-97.5: * as 0-67 * sand patch between 82-84.5
70			N4		1 (slight)			
80								97.5-105.5: * as 67-82
90			10Y 4/1		2			
100			N4		1			105.5-141.5: * as 0-67 * coarser patches around 115 (<5mm thick)
110								
120			10Y 4/1		2			141.5-150: * as 67-82 * discontinuous, lighter & coarser strata (~7mm) around 145cm
130								
140								
150			N4		1			

Expedition 341 S. Alaska Margin: U1417 D 32H 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		1			0-82	
10								* as section 1, 67-82 → fine sand	
20								* several coarser / better sorted, slightly lighter (5Y 4/1) strata	
30								↳ max. 2 cm	
40								↳ continuous & discontinuous	
50								↳ continuous strata with sharp (erosive?) lower boundaries & sharp upper boundaries	
60								↳ some "ripple bioturbation"	
70								82-86.5	
80			5Y 4/1		?			* ash [green / gray / brown] → face photo	
90	VOID		5Y 3/1					* well-sorted sand? * sharp upper & lower boundary	
100			N4		1			86.5-91.5: VOID	
110			10Y 4/1		2			91.5-106: * as section 1, 67-82	
120			N4		1			106-118: * as section 1, 0-67	
130			10Y 4/1		2			118-12[illegible]: * as section 1, 67-82	
140			N4		1			12[illegible]-136: * as section 1, 0-67	
150							IW	136-140 * as section 1, 67-82	

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 32H (Core:) 3A (Section:) 0-123 (Top Depth:)

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0			N4		1			0-44:	H 14/JUN/13
10								# as section 1, 67-82	
								* two sand pebbles around 39-40	
20								44-92:	
								# as section 1, 0-67 cm	
30								92-120:	
								# as section 1, 67-82	
40									
50			10Y 4/1		2				
60								# well-sorted, lighter interval (~1 cm) thick; sharp upper & lower boundaries (~112.5-113.5 cm) disturbation away up- and down-core	
70									
80									
90								! ⇒ some green colour ! associated to interval	
			N4		1				
100								120-123:	
								# as section 1, 0-67 cm	
110									
120									
			10Y 4/1		2				
130									
140									
150									

Expedition 341 S. Alaska Margin: 41417 D 32H 4 0-54cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JH Date: 14.6.13
0			log 4/4		2			0-1: as section 1, 0-67	
10								- few black mottles	
20			N4		slight			- just mud	
30								very thin (<0.5cm) layer of N5 silt @ 20cm	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 32H CC 0-22cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 14.6.13
0	mud				slight			- few slak mottles	
10	void		N4	void				- mud - void "lense" @ 7cm	
20	mud								
30							PAL	22-27cm sample	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 33 1 0-49cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 14.6.13
0								- very few black mottles	
10	layers mud		N4	cracks (sediment)	very slight			- clast @ 6 cm, ϕ 0.5 cm	
20								clast @ 20 cm, ϕ 0.5 cm	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 | D | 33 | CC | 0-26cm

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

Major Lithology: Mud | Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JH Date: 14.6.13
0									
10	mud		N4	slight biscuiting	0			just mud (massive) (very clayey)	
20									
30	X						PAL	26-31cm sample	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 34H (Core:) 1A (Section:) 0–150 (Top Depth:)

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HF 14/JUN/13 Date:
0			10Y 4/1	some cracks, slight disturb.	1 (slight)			0–107:	
10								* mud	
20								* scattered black mottles	
30								* "fluffy" intervals	
40								↳ irregular / patchy	
50								↳ typically sharp upper & lower boundary	
60								↳ 52.5–55.5; 59.5–60.5; 67–72	
70								* gradual lower boundary	
80								107–131:	
90								* mud	
100								* "fluffy"	
110				slight bowing				131–150:	
120								* as 0–107	
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 344 (Core:) 2A (Section:) 0-150 (Top Depth:)

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: 14/JUN/13
0			10Y 4/1		1 (slight)			0-65.5	
10								* as section 1, 0-107	
								* very fine sand	
20								* more silty patches around 44.5-46.0, 47.5-49.5	
30									
40									
50								65.5-93:	
60								* fluffy mud	
70								68.5-71.5: sub-rounded clast of argillite	
80									
90				slight bowing				93-113:	
			N4					* mud	
100								* relatively compacted & fractured	
110									
			N4					113-150:	
120								* interbedded mud and silt	
130								↳ also interbedding of ash (?)	
								↳ strata are either 10Y5/1 or 5Y 5/1	
140								↳ max. 3cm thick ↳ darker ↳ lighter	
150								↳ continuous & discontinuous	
								↳ generally sharp boundaries (partly erosive lower)	
								↳ upper boundaries of lighter strata often irregular & apparent "upward bioturbation"	
								↳ some patches "not matrix sediments"	

Expedition 341 S. Alaska Margin: U1417 D 34H 3A 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			N4		1 (slight)			0-137	MF 14/JUN/13
10								* as Section 2, 113-150	
20								* some more brownish intervals and enhanced bioturbation between 0-~30 cm	
30									
40									
50									
60									
70									
80									
90								~92-96 (IN WORK HALF): meta sediment with quartz veins ?	
100									
110									
120									
130									
140									
150									

25

Expedition 341 S. Alaska Margin: U1417 D 34H CC 0-29

Site: Hole: Core: Section: Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: MF 14/JUN/13
0								0-137	
1								# as section 2, 113-150	
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 35H 1 0 - 150 cm

Site: Hole: Core: Section: Top Depth:

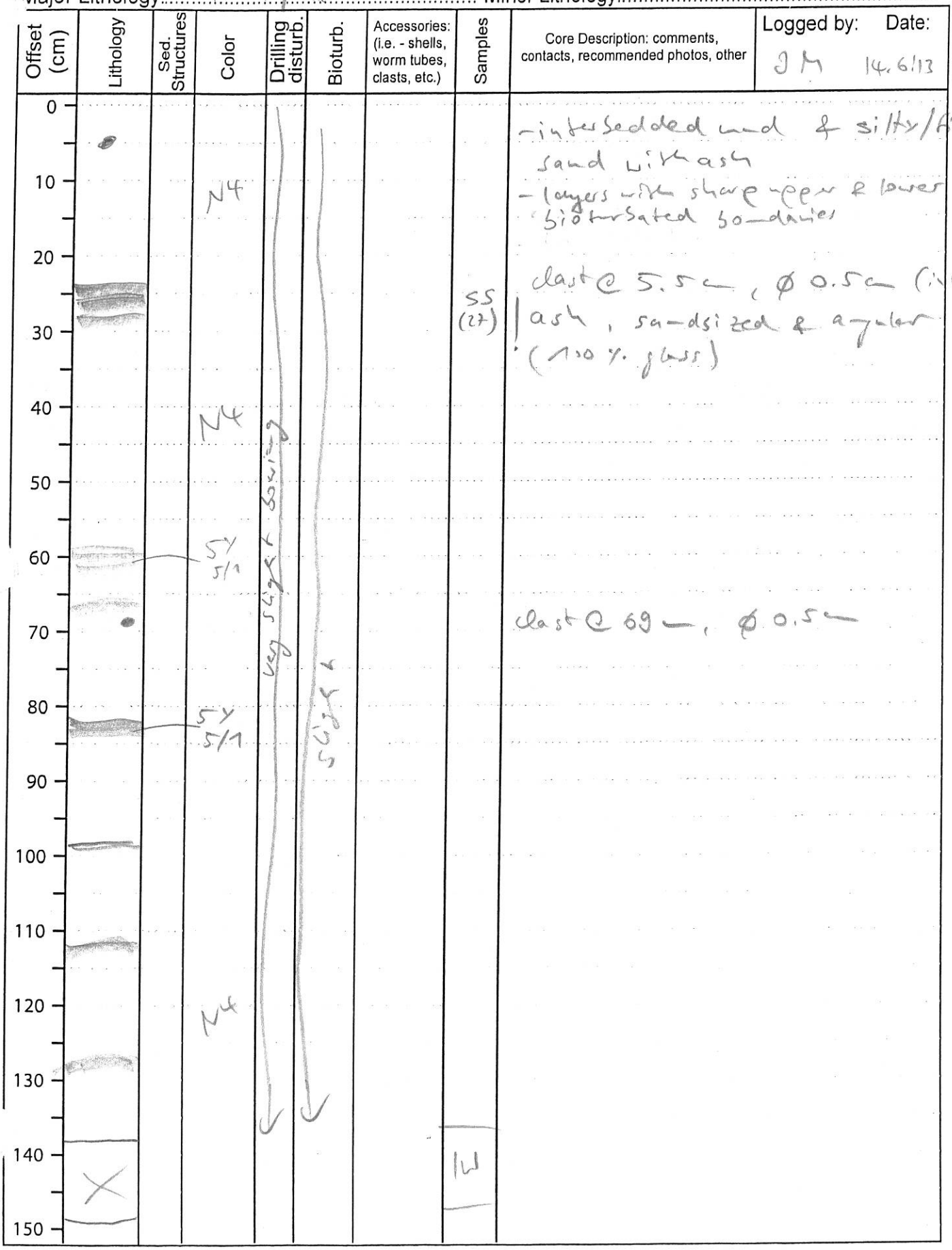
Major Lithology: Mud/Sand Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 14.6.13
0									
10			N4	slight mixing	slight			6.5 - 17.5 cm, mid/sandy - clast @ 18 cm, ϕ 0.5 cm - interbedded mud and fine sand - silt layers with sharp upper & lower boundaries (= irregular)	
20									
30									
40									
50			10Y 5/1					~~ash layer (@ 100 cm) with~~ erosive / bioturbated upper boundary (patchy)	
60									
70								clast @ 67 cm, ϕ 0.5 cm	
80			N4						
90							55 (54)	→ sand	
100									
110			5Y 5/1					ash layer @ 110 cm ? clast @ 115 cm	
120									
130									
140									
150			N4						

Expedition 341 S. Alaska Margin: U1417 D 35H 2 0 - 139 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud / sand Minor Lithology:



Expedition 341 S. Alaska Margin: U1417 D 35H 3 0-144cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud / silt Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 14.6.13
0								interbedded mud & silt	
10									
20			N4						
30									
40			10Y 5/1						
50								clast @ 50 cm, ϕ 1 cm, well-rounded	
60			N4						
70			5Y 5/1	slight soupy					
80			5Y 5/1		slight				
90									
100			N4						
110									
120									
130			5Y 5/1						
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 35H CC 0-18cm

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
0								Logged by: JM Date: 14.6.13
10	Mud		N4	~	0			crack @ 9cm
20	X						PAL	18-23cm sample
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 36H (Core:) 1A (Section:) 0–150 (Top Depth:)

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0–150			N4		1 (sight)			0–150 * interbedded mud and ~~silt~~ sand ↳ also interbedding of ash(?) ↳ for properties/characteristics see core 34H, section 2A, 113–150 ↳ max thickness ~ 4 cm → 3–5. Two angular meta sediment with quartz veins	

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

Expedition 341 S. Alaska Margin: U1417 D 36H 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: HF 14/JUN/13
0			N4		1 (slight)			0-150	
10								* interbedded mud and ~~sand~~ sand to also interbedding of ash	
20								Lo for properties / characteristics see core 34H, section 2A, 113-150	
30								Lo max. thickness ~ 4 cm	
40								19.5-32.5	
50								Lo "fluffy"	
60								28.0-29.5	
70								Lo ash	
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 36H 3A 0-128

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0			N4		1 (slight)			0-128	MF 14/JUN/13
10								* interbedded mud and ~~sand~~ sand ↳ also interbedding of ash(?) ↳ for properties/characteristics see core 34H, section 2A, 113-150 ↳ max thickness ~ 3 cm	
20									
30									
40									
50				little flow in					
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 36H CC 0-29

Site: Hole: Core: Section: Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0–150			N4	cracks (moderate)	1 (slight)		PAL	0–24: ↓ interbedded mud and ~~silt~~ sand Lo for properties / characteristics see core 34H, section 2A, 113–150 24–29: Sample PAL	YF 14/JUN/13

Expedition 341 S. Alaska Margin: U1417 D 37H 1 0-47 cm

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: JM Date: 14.6.13
0			N4	Heavily bioturbated (homogenized)	?			clast @ 2-7 cm, ∅ 4 cm mica-rich (biotite & muscovite) granitoid	
10									
20	M-d							few black mottles	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 37H CC 0-7cm

Site: Hole: Core: Section: Top Depth:

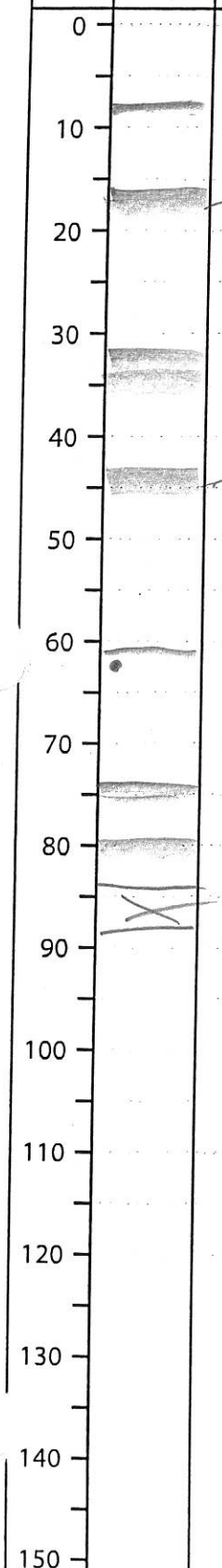
Major Lithology: m-d Minor Lithology:

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: 14.6.13 JM
0	m-d		N4	slight				m-d	
10	X						PAL	7-12cm sample	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 38X 1 0-84cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud & sand Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 14.6.13
0–150			10Y 4/1 N4 10Y 4/1 N4	void	slight			interbedded mud & fine sand ↓ N4 ↓ 10Y 4/1 - sand layers with sharp upper & lower boundaries clast @ 61.5 cm, ϕ 0.5 cm cracked/biscuited @ 66 cm 84–87 cm void	

Expedition 341 S. Alaska Margin: U1417 D 38X CC 0-26cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 14.6.13
0	mud		N4					interbedded mud & sand (fine)	
10								sand layer with sharp/erosive lower & wispy boundary	
20				//				clast @ 13cm, ϕ 0.5cm	
30	X						PAL	cracked @ 21cm	
40								26-32cm sample	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 39X 1 0-143

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded silt & sand Minor Lithology: silt

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0								biscuited, moderately
10	sand		N4					
20	silt		10YR4/1					silts 0.5-4.0 cm thick
30	silt							
40							SS44	silt
50							SS55	sand, v.f.
60								
70							SS76	sand, coarse
80								
90								
100								
110								
120								
130							SS129	sand
140								
150								

Logged by: HB, E-LY-13 Date:

Expedition 341 S. Alaska Margin: U1417 D 39X CC 0-34

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded silt + mud Minor Lithology: silt

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0								weakly	NB, 6-11-13
10	mud		N4						
20			10YR4/1					silt	
30									
34	PAL								
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 40X (Core:) 1A (Section:) 243.30m CSF-A (Top Depth:)

Major Lithology: MUD (INTERBEDDED) Minor Lithology: >>

Logged by: Childress Date: June 14 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	mud		N4			◇ - pyritized sandstone		
20	silt	NG	N4			absent		19-21: silt normally graded (NG) to mud
30	mud		N4	bowed				29: silt, NG to mud
40	silt		N4					42-44: silt NG to mud
50	sand	NG	N4					52-55: sand NG to silt/mud
80	mud		N4	Soupy (slight to mod)				
100	volcaniclastic rich sand	NG	2.5Y, 3/1				SS101	volcaniclastic silt some diatoms
110	mud		N4	Cracks (high)				
120								
130								
140								
150								

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 40X (Core:) 2A (Section:) 244.80m CSF-A (Top Depth:)

Major Lithology: Mud (INTERBEDDED SILT) Minor Lithology:

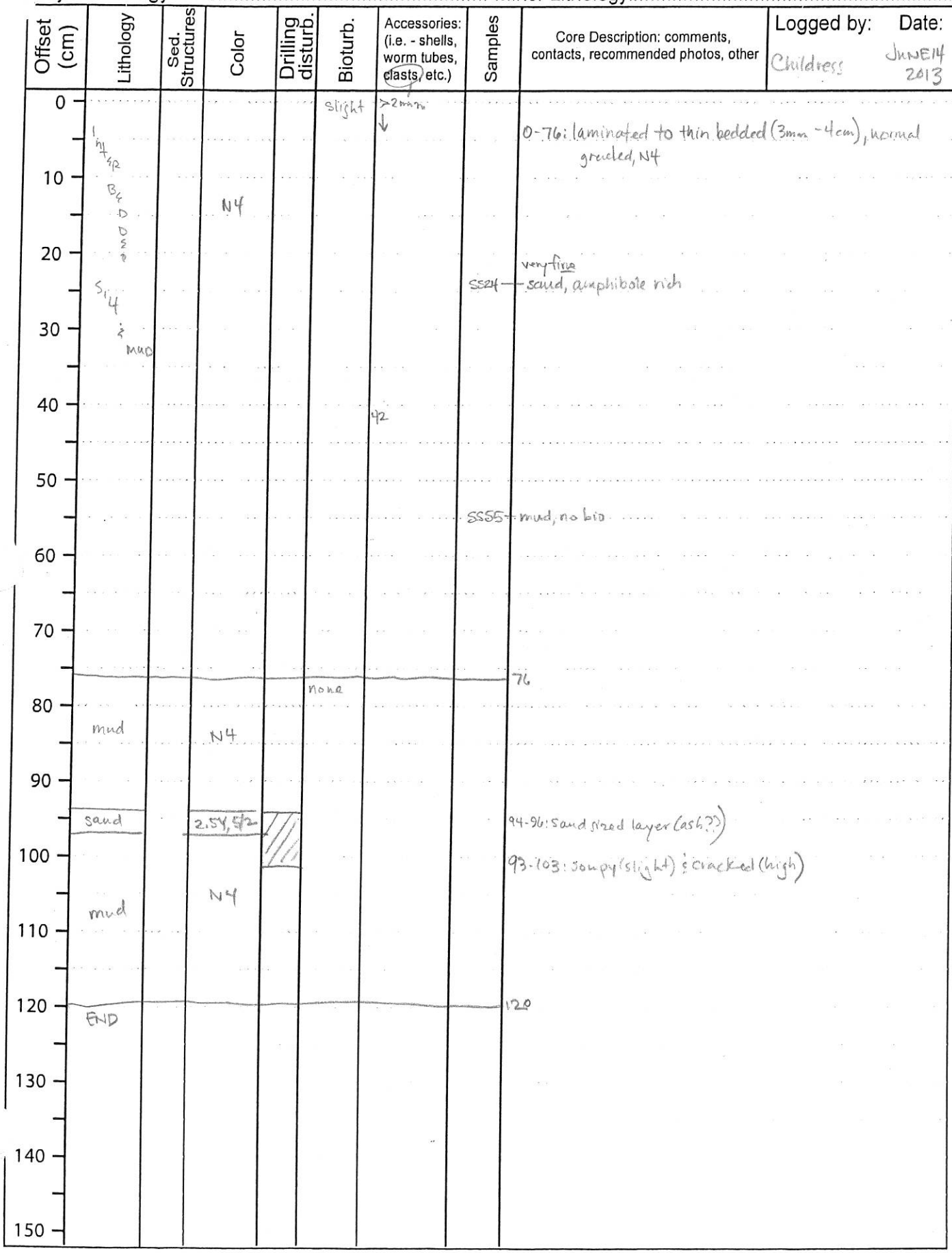
Logged by: Childress Date: June 14 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0					Slight	>2mm		
10	In top bedded silt & mud		N4	Soupy (slight) & cracked (moderate to)		12		0-65: very thinly bedded silts (1-2cm), normally graded
30						31		
60						56		
70						absent		
80	mud		N4					
90								
100	IW						IW	
110								
120								
130								
140								
150								

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 40X (Core:) 3A (Section:) 245.84m CSF-A (Top Depth:)

Major Lithology: Mud Minor Lithology:

Logged by: Childress Date: June 14 2013



Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 40X (Core:) CC-A (Section:) 247.04m CSF-A (Top Depth:)

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 14 2013
0										
10	mud	~4 cm at most less	N4							
20										
24										
29	PAL						PAL			
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1417 D 41X 1 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology: silt

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-14-13 Date:
0									
8	0					0		1 clast, limestone, 3 cm, rounded	
10								sandy mud drop-up clast	
20									
30			N4						
40	mud								
50									
60									
70									
80									
90							3 SS	mud, loose	
100									
110									
120									
130	SILT								
140	CLAY								
150									

Expedition 341 S. Alaska Margin: U1417 D 41X 2 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology: silt

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-14-13 Date:
0									
10									
20	mud		N4						
30									
40									
50	wt.b. silt + mud		N4				SSG	silts 10YR 4/1	
60								silt	
70	72								
80	mud		N4						
90									
100	wt.b. silt + mud		N4					silts 10YR 4/1	
110									
120	Mud		N4						
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 41X 3 0-150

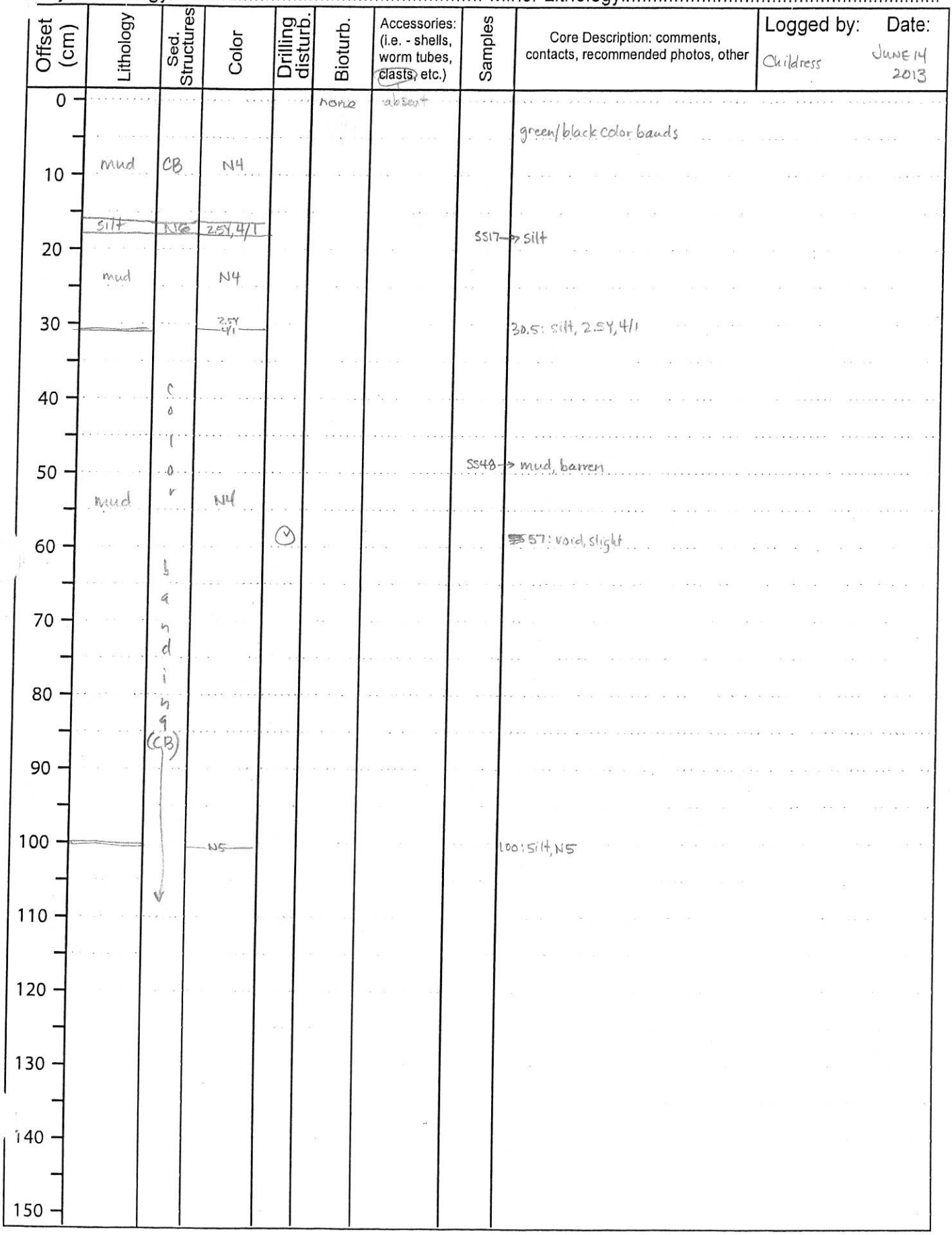
Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-14-13 Date:
0									
10	mud		N4						
20	lit. b. silt +			mousse like				silt 10YR 4/1	
30	mud		N4						
40					37				
50									
60									
70									
80	mud		N4						
90				mousse like					
100									
110									
120	0		10YR 4/1			0		1 clast, rounded, 1.5 cm	
130	mud		N4						
140			10YR 4/1						
150	mud		N4						

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 41X (Core:) 4A (Section:) 257.50 m CSF-A (Top Depth:)

Major Lithology: MUD Minor Lithology:



Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 41X (Core:) 5A (Section:) 259.00 m CSF-A (Top Depth:)

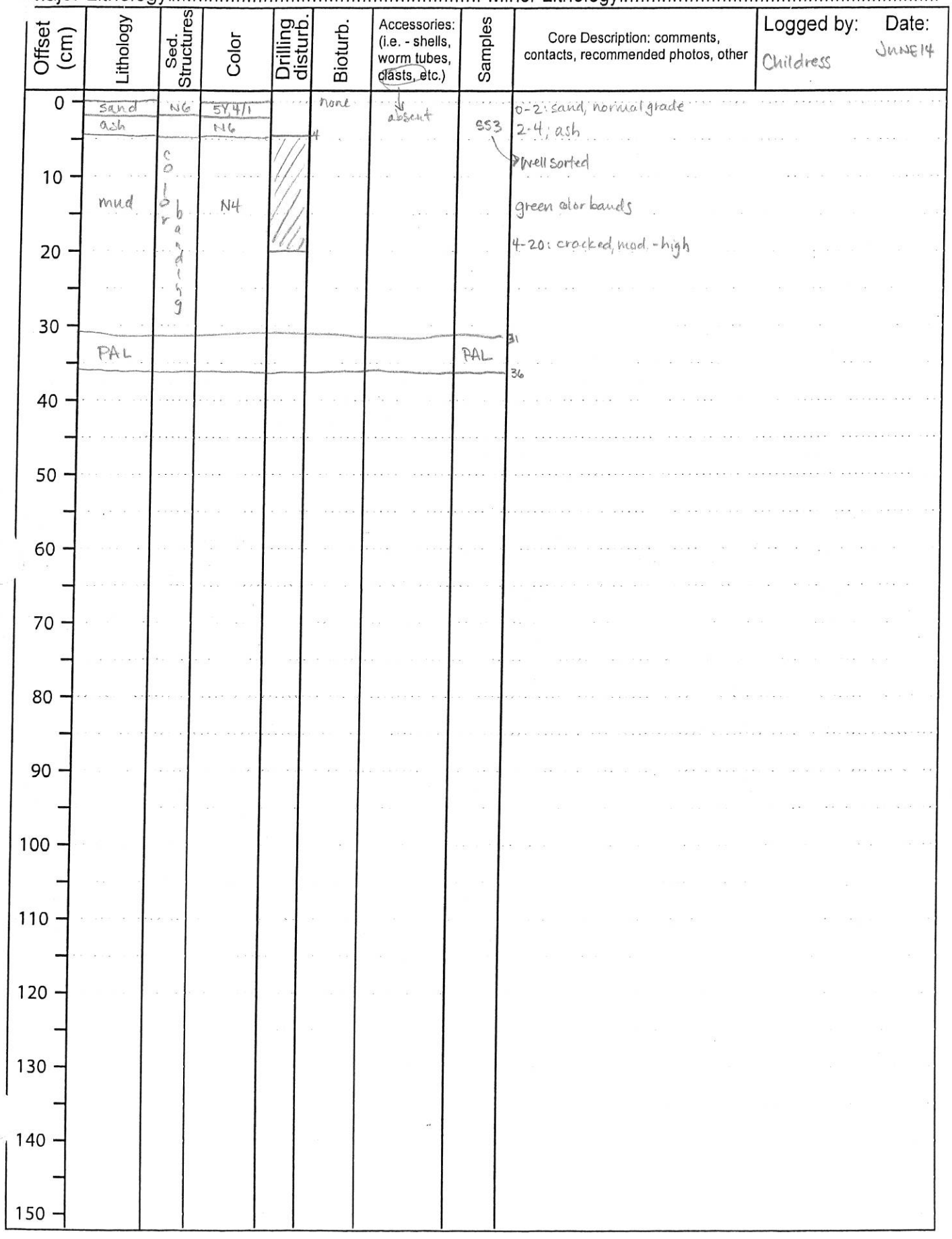
Major Lithology: MuD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0					none	absent		
10	mud		N4					
20	silt	NG	2.5Y 4/1	bowed				22-24: silt, normally graded
30								
40	mud		N4					
50								
60				58				58-85: soupy (slight), crack (mod to high)
70								
80	82 fine sand	NG	5Y, 4/1				85	
	END							
90								
100								
110								
120								
130								
140								
150								

Logged by: Childress Date: June 14 2013

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 41X (Core:) CC-A (Section:) 259.85m CSF-A (Top Depth:)

Major Lithology: MUD Minor Lithology:



Expedition 341 S. Alaska Margin: U1417 D 42X 1 0-15

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-14-13 Date:
0								colour banded	
10									
20									
30							SS31	calc bearing mud	
40									
50			N4						
60									
70				basically moderate to lightly					
80							SS5	diat. bearing mud	
90									
100								← parallel lamination	
110								"microdiamict", silt to vfs clasts in mud matrix	
120								pl: parallel laminations	
130		pl						"diamict" layer ("microdiamict"), mud matrix with silt to sand sized clasts & variable lithology, overlain by 0.5 cm of parallel lamination.	
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 42X 2 0-140(150)

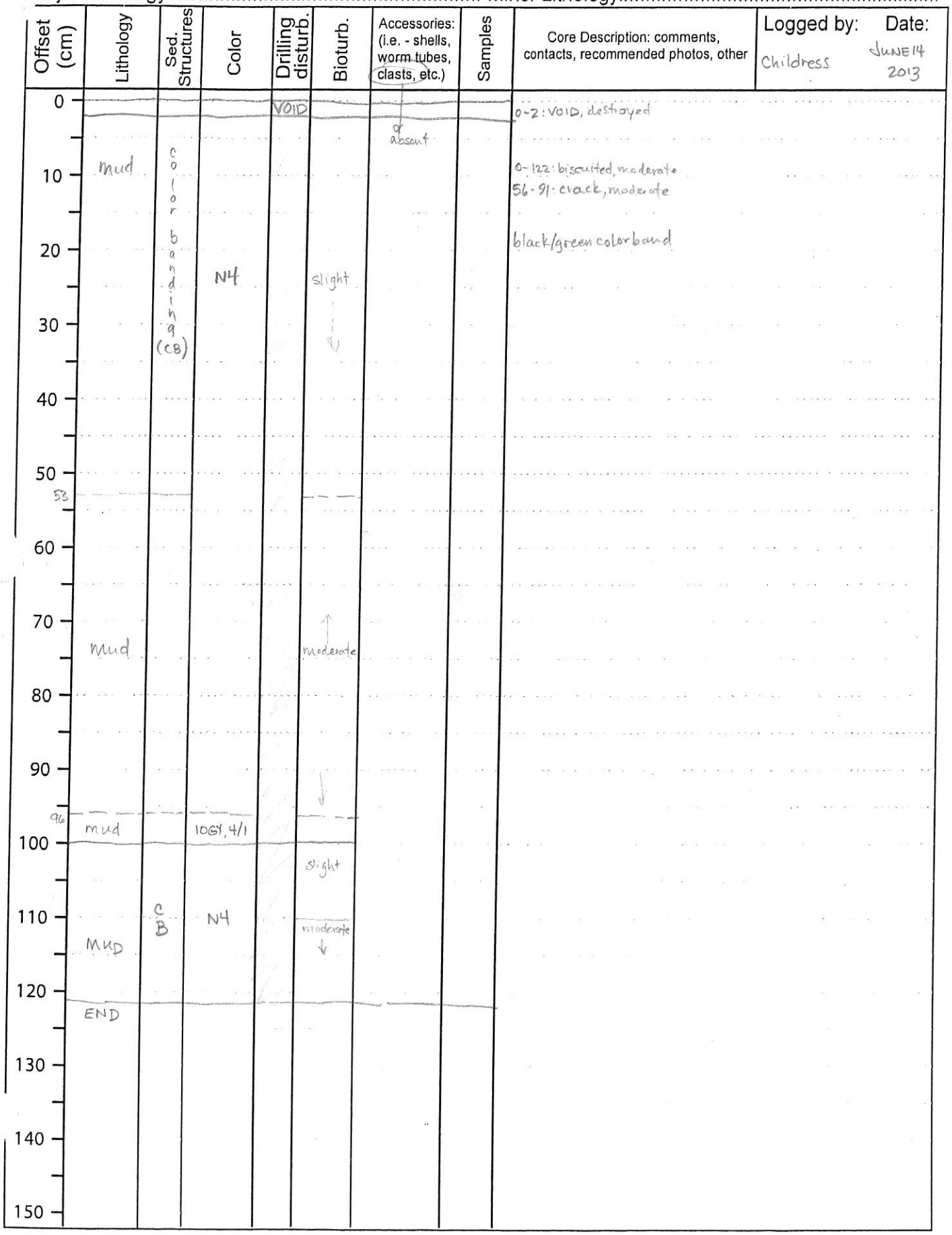
Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, Date: 6-14-13
0									
10	mud		10Y						
20									
29									
30								diamict ("microdiamict") mud matrix, clasts up to 4mm, clasts subrounded	
32									
40	mud		10Y						
50									
54									
60									
70	mud		N						
80									
88									
90									
92									
100	mud						SS101	calc. mud	
110									
120								10YR 4/3 ash 2cm bioturb laminated silt + laminated mud + mud	
123									
130	ash						SS129	ash	
140									
150	mW								

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 42X (Core:) 3A (Section:) 265.70m CSF-A (Top Depth:)

Major Lithology: MUD Minor Lithology:



Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 42X (Core:) 4A (Section:) 266.92 m CSF-A (Top Depth:)

Major Lithology: MUD Minor Lithology: ~~SAND~~ 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
0		*		slight	Slight	>2mm		*2-3: laminated } pyritized diatom component
10	mud	color banding	N4	biscuit (moderate)				40-41 → black/green color bands
20						22		21.5-24: ~~diamict~~
30	mud			bioturbated				
40	41	*						
						44	SS43	mud
50	mud	CB						
	END							56
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

Logged by: Childress Date: June 14 2013

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 42X (Core:) CC-A (Section:) 267.48m CSF-A (Top Depth:)

Major Lithology: Mud Minor Lithology:

Logged by: Childress Date: June 14 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	mud				slight	present in diamict		3-6, 9-10, 40.5-41
	diamict			BOWSED BISCUIT (Slight)				
	mud					absent in mud		
10	diamict	CB	N4					CB = color bands (green/black)
20		lam						18-19: laminated
	mud						5525	calcareous bearing mud
30		CB						30-31.5: laminated
40	diamict							43
	PAL						PAL	
50								48
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

Expedition 341 S. Alaska Margin: U1417 D 43 1 0-136

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded mud + diamict Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-14-13 Date:
0								3 cycles of upward increasing abundance of clast with a sharp top, 2 × 30, 1 × 20 cm thick. Clasts sand size!, and of variable lithology and degree of roundness	
10	interb. mud and diamict		5Y4						
20									
30									
40									
50									
60									
70						2M			
80								partly and finely parallel laminated	
90	mud	P.L.							
100									
110									
120									
130	mud					2		interbedded mud + diamict	
140		EOS		disturbed and along core laminations	EOS				
150									

Expedition 341 S. Alaska Margin: U1417 D 43 2 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: AB	Date: 6-14-13
0	interb. mud + diamict		N4					clasts sand size! 2 cycles of upward increase in clast abundance, units a sharp top. Unit of variable lithologies		
10										
20										
30										
40						16				
44										
50	mud		10GY4/1	↑ bio.						
60							55a	mud, base		
66										
70	interb. mud + diamict		N4	Strongly bioturbated				clasts sand to granule sized. Variable lithologies 6 cycles of upward increase of clast abundance + units parallel laminated, laminations thins and fades upward		
80										
90										
100										
110										
120										
130								1 clast, 1.5cm, rounded		
140										
150						36				

Expedition 341 S. Alaska Margin: U1417 D 43 3 0-131

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: HB, 6-14-13
0									
10	Interb. mud + diam.		N4					muds abundantly thinly parallel laminated, lamination thins and fades upw. Scyles of upward increase in clast abundance. clast of variable lithology and sand to granule sized.	
20									
30									
40				biscuit moderate (40–90)					
50									
60							SS56	calcareous b. mud	
70									
80									
90									
100									
110									
120									
130						28		yellow cap	
140	WRND								
150									

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 43X (Core:) 4A (Section:) 276.64m CSF-A (Top Depth:)

Major Lithology: MUD (CALCAREOUS BEARING) Minor Lithology: INTERBEDDED MUD & 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: June 14 2013
0				BISCUIT (MOD. to H)				0-64: green/black color bands		
10		color banding						• diamicts dominantly sand sized clasts		
20										
30	calcareous bearing mud		N4		slight	absent	SS26	calcareous bearing mud		
40										
50										
60										
64										
70	interbedded mud & diamict					>2mm 72				
80			N4		slight	present 83				
90										
91										
100	mud		5G 4/1		mod. to high	absent	SS100	mud		
110										
119										
120	interbedded mud & diamict		N4			121 125 129 present	SS124	mud		
130										
137						137				
140										
147						147				
148	END						148			
150										

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 43X (Core:) 5A (Section:) 278.12m CSF-A (Top Depth:)

Major Lithology: INTERBEDDED MUD & DIAMICT Minor Lithology:

Logged by: Childress Date: June 14 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	inter-bedded mud & diamict		N4	BISCUIT	slight to mod.	>2mm 3 present		3 thin reverse grade diamict layers (0-15 cm) - diamicts dominated by sand sized clasts
30						33		
40						44		
50						49(2?)		
	END							53
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 43X (Core:) CC-A (Section:) 278.65m CSF-A (Top Depth:)

Major Lithology: INTERBEDDED MUDS DIAMICT Minor Lithology:

Logged by: Childress Date: June 14 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0					slight ↓	>2mm clasts present		0-6: largest clast 6mm
5	inter-bedded muds diamict		N4 ↓	BISCUIT (mod.)		5		- one obvious reverse graded bed of diamict - diamict sand sized clasts
10								
20						21		
30						29		
40								
46						46		
49								49
50	PAL						PAL	
54								54
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 44X (Core:) 1A (Section:) 282.10 m CSF-A (Top Depth:)

Major Lithology: INTERBEDDED MUD & DIAMICT Minor Lithology: MUD

Logged by: Childress Date: June 14 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	mud	structureless	N4		none	absent		• clasts of diamicts mostly sand sized
10				flow in	slight	present		6-13: flow-in, destroyed
20	inter-bedded mud & diamict			BISCUIT (mod.) FLOW IN		19, 21		
30			N4			25	SS25	mud
40								
50								
58								56-60: crack, high
60	silt		2.5Y 3/1	cracks		absent		
60.5	mud		N4		none	3cm greenstone		
69								
70	inter-bedded mud & diamict		N4	BISCUIT (moderate) FLOW IN (slight)	slight	70, 71		
80								
90							SS90	calcareous bearing mud
100						104		
110								
120								
123	END							
130								
140								
150								

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 44X (Core:) CC-A (Section:) 283.33 m CSF-A (Top Depth:)

Major Lithology: INTERBEDDED MUDS 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
0	inter-bedded mud & diamict		N4	BISCUIT slight	slight	present		* diamicts mostly sand sized clasts
10								
12	PAL						PAL	
17								
20								
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

Logged by: Childress Date: June 14 2013

Expedition 341 S. Alaska Margin: U1417 D 45X 1 0-131

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
0								laminated color banded
10								
20								
30	mud			biscuit moderate to strong				
40							0542	silt, very fine
50			N4		moderate to			
60								
70								
80							0580	mud
90								
100								
110								
120								
130	131							
140	IW							
150								

Logged by: AB, Date: 6-14-13

Expedition 341 S. Alaska Margin: U1417 D 45X 2 0-83

Site: Hole: Core: Section: Top Depth:

Major Lithology: interb. mud + 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: HB, 6-14-13 Date:
0								parallel laminated, partly	
10	mud		N4	biscuited				5 cycles clast increase upwards in abundance	
20									
28									
30	interb. mud + diamict		N4		moderately		531	variable G.S. + round mud parallel lam.	
40									
50									
60									
70									
80						18			
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 45X CC 0-26

Site: Hole: Core: Section: Top Depth:

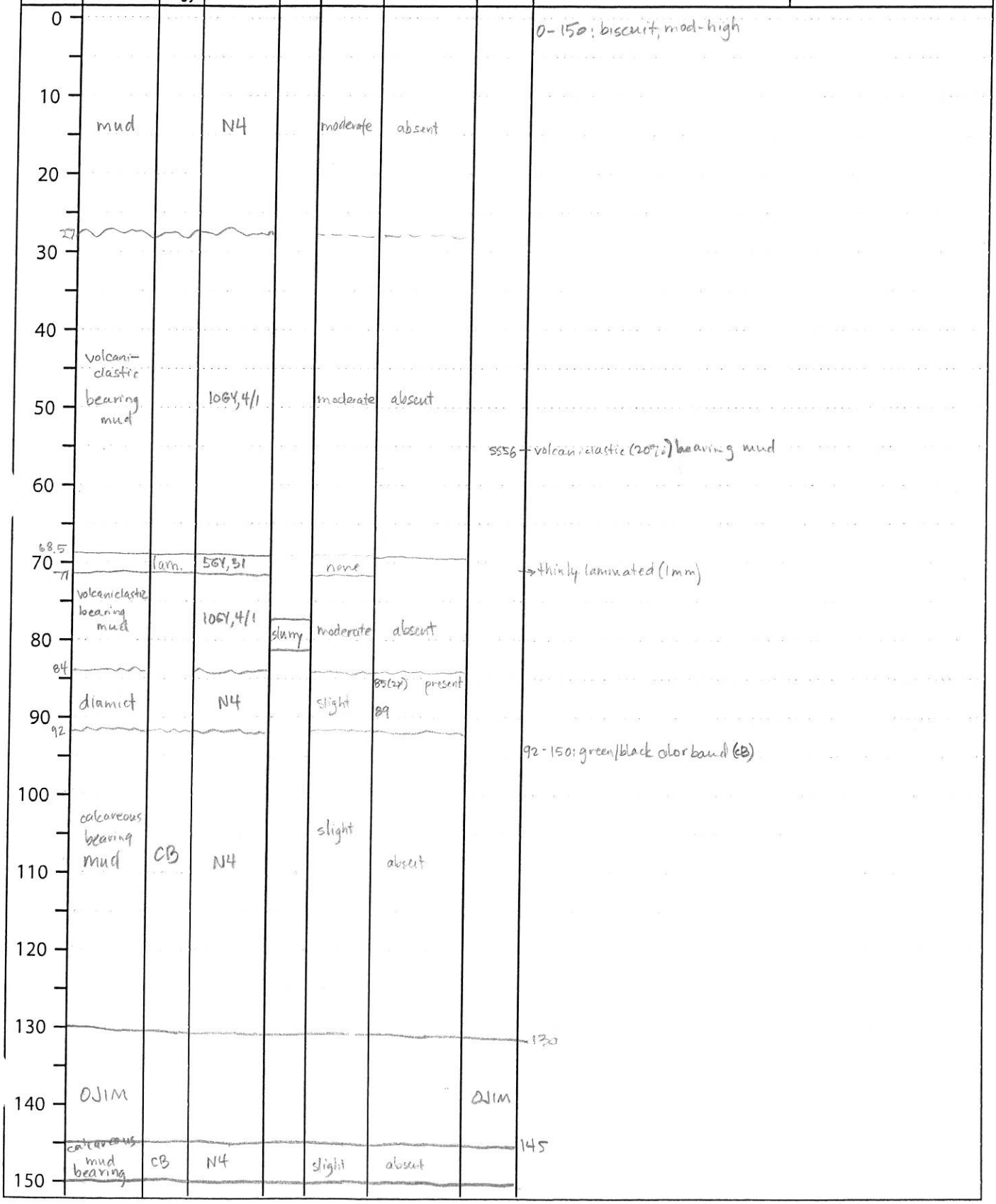
Major Lithology: ~~Mud~~ mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	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		biscuit, slight	moderate				
10									
20									
26	DSR								
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 46X (Core:) 1A (Section:) 295.70m CSF-A (Top Depth:)

Major Lithology: (VOLCANICLASTIC BEARING) MUD Minor Lithology:

Logged by: Childress Date: JUNE 14 2013



Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 46X (Core:) 2A (Section:) 297.20m CSF-A (Top Depth:)

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress Date: June 14 2013
0	ALL to IW						ALL to IW		
10	END								
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 46X (Core:) 3A (Section:) 297.35m CSF-A (Top Depth:)

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	calcareous bearing mud	CB	N4	See Comments	slight			0-150: biscuit: mod to high 0-60: crack: moderate 125-136, crack: moderate 0-150: flow in: slight to mod
10							SS16	→ calcareous bearing mud
20								
26						absent		
30	mud		10GY, 4/1					
40					slight			
50					slight	present		green/black color bands
60	mud	color banding (CB)	N4					
70								
80							SS82	→ mud, no bio
90								
100								
110								
120								
130								
140					139-granite			
146	END						146	
150								

Logged by: Childress Date: June 14 2013

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 46X (Core:) CC-A (Section:) 299.08m CSF-A (Top Depth:)

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress Date: June 14
0–27	mud	color banding	N4	BISCUIT (mod.)	slight	absent			
27–32	FAL						PAL		
32–150									

Expedition 341 S. Alaska Margin: U1417 D 47X 1 0-59

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-14-13 Date:
0				↑					
10				Strongly bioturbated	bioturb. mud.				
20	mud		N4				ES27	diat. rich mud	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

DDLW

Expedition 341 S. Alaska Margin: U1417 D 47X 2 0-91

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-14-18 Date:
0									
10				Slurry					
20			N4						
30									
40	Mud								
50									
60									
70				biscuiting, fracturing					
80									
90									
100									
110									
120									
130									
140									
150									

=DLC

Expedition 341 S. Alaska Margin: U1417 D 47X 3 0-66

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

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

→DLV

Expedition 341 S. Alaska Margin: U1417 D 47X CC 0–21

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-14-13 Date:
0	mud		N5	slight					
10									
20	PAL								
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 48X (Core:) 1A (Section:) 315.10m CSF-A (Top Depth:)

Major Lithology: MUD Minor Lithology: ~~D~~ DIATOM RICH MUD

Logged by: Childress Date: June 14 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0						absent		0-120: biscuit; moderate to high
								0-24: crack, high
10	mud		N4		none			54-120: crack, moderate-high
20								
23								
30	diatom rich mud							
							SS 35 →	diatom rich mud
40			10GY, 4/1		slight			
50								50-52: parallel black laminae (thinly laminated)
54								
60		COLOR BANDING						black/green color bands
70	mud		N4		none			
80								
90								
100								
110								
120								
	IW						IW	
130								
140								
150								

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 48X (Core:) 2A (Section:) 316.40 m CSF-A (Top Depth:)

Major Lithology: Mud - Diatom Rich Minor Lithology: Mud

Logged by: Childress Date: June 14 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0						absent		0-116: biscuit, mod-high
								7-14: crack, high
10	mud		N4		slight			57-105: crack, moderate
20	diatom rich mud		5GY, 4/1 ↓		moderate			
30								
40								
50							5547	diatom rich mud
60								
70								
80								
90								
100								
110								
120							116	
130								
140								
150								

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 48X (Core:) CC-A (Section:) 317.56m CSF-A (Top Depth:)

Major Lithology: Mud Minor Lithology:

Logged by: childress Date: June 14 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0				FLOW-IN	?	absent		flow-in destroyed
10	mud		10Y 4/1					
15								
	PAL						PAL	
20								
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

→DLC

Expedition 341 S. Alaska Margin: U1417 D 19X 1 0-100

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-14-13 Date:
0									
10									
20	mud		2.5Y	trace					
30									
40									
50									
60	mud		10YR	base of	abundant			Zoophycos burrows	
70									
77									
80	mud		N4		slight				
90									
100									
110									
120									
130									
140									
150									

→ DLV

Expedition 341 S. Alaska Margin: U1417 D 49x 2 0-145.5

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-14-13 Date:
0									
10									
20									
30	mud		N4	Core disc					
40									
50									
60									
63									
70									
80									
90			10gy 4/1						
100	mud			biscuited liner	abundant				
110									
120									
130									
140									
150									

→DLV

Expedition 341 S. Alaska Margin: 1114.17 D 19x 3 0-85

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB Date: 6-14-13
0									
10				biscuit, mod. bio					
20			10Y4/1		abundant				
30	mud						SS34	diat. b. mud	
40									
50									
60									
70									
80	mud		5Y4/1		abundant		SS35	diatom b. mud calcareous	
90									
100									
110									
120									
130									
140									
150									

→DL✓

Expedition 341 S. Alaska Margin: U1417 D 49X << 0-24.5

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-14-13 Date:
0	mud		5Y 6/1	biscuited	bioturbated		SS13	7.5R 2.5/3 volcaniclastic rich mud	
10									
12									
19.5			5Y 6/1						
20	RAL								
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 50X (Core:) 1A (Section:) 0–137 (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: IF 15/JUN/13 Date:
0									
10			10Y 5/1	slight to mod. disturbance	3 (high)			0–35.5 * mud * slightly cemented with diagenetic calcite * bioturbation filled with brown & light grey components * gradational lower boundary	
30	mud								
40			5Y 3/1		1 (slight)			35.5–63: * mud * slightly cemented with diagenetic calcite	
50									
60								63–116: * sand * poorly sorted (coarse to fine sand) with mud)	
70				biscuits & some minor flow-in					
80					0 (none)			* finer in uppermost 7 cm * e.g. quartz grains + black grains (hornblende?)	
90	sand								
100								116–131: * mud * slightly cemented with diagenetic calcite	
110									
120	mud				1 (slight)			131–137: * sand * poorly sorted fine sand with mud (matrix)	
130	sand				none			* lithic & mud clasts * lithic clasts: <0.5 cm, mud clasts: <3 cm (mud clasts = rip-up clasts?) * lithic grains of e.g. quartz & hornblende? * plant fragments??	
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 50X 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: PF 15/JUN/13 Date:
0	Sand		5Y 3/1		none			0-30	
10								* see section 1, 131-137 cm	
20								30-63:	
30	mud		5Y 4/1		slight to moderate			* mud * grad lower boundary	
40								63-99:	
50								* mud * gradational lower boundary	
60								99-103:	
70			10Y 4/1					* mud with authigenic calcite * grad. lower boundary	
80								103-109.5	
90								* mud * grad. lower boundary	
100			5Y 5/1		mod to high			109.5-122.5	
110			10Y 4/1 5Y 4/1		slight to mod heavy to complete			* mud * downcore colour change from 5Y 4/1 to 5Y 3/1 * increasing down-core bioturbation * up-core bioturbation of underlying deposits	
120			↓ 5Y 3/1					122.5-150	
130			5Y 4/1		slight to mod			* mud (bioclastic bearing) * intense bioturbation of upper ~4 cm to down-core bioturbation of overlying sediments	
140								brown bioturbation in 109.5-122.5 could be burrows filled with diatoms & ash	
150									

Drilling disturb. (slight to moderate)

Expedition 341 S. Alaska Margin: U1417 D 50X 3A 0-111

Site: Hole: Core: Section: Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HF Date: 15/JUN/13
0			5Y 4/1		slight to mod.			0-28 * mud, biosiliceous bearing (diatom + sponge spicules)	
10									
20								28-85 * mud, biosiliceous bearing # various degrees of bioturbation ↳ higher bioturbation: ~28-40, 94-110 ↳ multiple zoophycos-like burrows (sub-horizontal)	
30			10Y 4/1		mod. to high				
40									
50									
60								85-111 * mud, diatom bearing # various degrees of bioturbation ↳ higher bioturbation eg. 104-111 ↳ multiple zoophycos-like burrows (sub-horizontal)	
70									
80									
90			5GY 5/1		mod to high				
100									
110									
120								brown bioturbation around 36-40 and 103-108 could be burrows filled with diatoms & arch	
130									
140									
150									

Drilling disturb. (slight to moderate)

Biscuits

Expedition 341 S. Alaska Margin: U1417 D 50X 4 0-78cm

Site: U1417 | Hole: D | Core: 50X | Section: 4 | Top Depth: 0-78cm

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	*							
10			5GY 5/1	(moderate to light)	moderate			* fine silt lense & burrows (Ø1.5cm) 5Y 6/1
20								
30			10Y 5/1		high			
40	mud			cracks & [illegible]				
50			5GY 5/1		moderate			
60								
70								(nice burrows again) zoophycos.
80	X						SAFF	78-92cm = SAFF sample
90								
100								
110								
120								
130								
140								
150								

Logged by: JM Date: 15.6.13

Expedition 341 S. Alaska Margin: U1417 D 50X CC 0-17cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 15.6.13
0	mud		5GY 5/1	?	heavy			mud full of zoophycos	
10								9-13cm cracked (moderate)	
20	X						PAL	17-22cm sample	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 51X 1 0-150cm

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: JM Date: 15.6.13
0	M-d		5GY 4/1	biscuits: moderate to high	moderate - high			well-indurated mud (clayey) dark-greenish gray (often siliceous-rich)	
10									
20									
30								- bioturbation burrows clearly visible, partly black/dark gray infill	
40									
50									
60									
70									
80							SS (83)	- diato- ooze ⇒ whole section = siliceous rich mud	
90									
100								between 96-101 cm darker 10 GY 4/1	
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 41417 D 51X 2 0-91cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 15.6.13
0								Nice core surface / black org. matter	
10	indurated mud								
20			5GY 4/1						
30								27-50cm: slight brown siltsized glass ash layers → bioturbated, 90% ash; 10% diatoms → diatom-rich mud with ash	
40									
50								↓ lighter colors towards end of section (greenish gray)	
60			10GY 5/1						
70									
80									
90							1W	81-91cm — 1W sample	
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 51X 3 0-107cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 15.6.13
0								- lighter green on top	
10			10GY 5/1					- nice burrows	
20									
30								- diatom-rich mud (calcareous cemented = diagenetic calcite)	
40									
50								52-96cm interbedded medium sand (lithic grains) & mud → poorly sorted sharp boundaries	
60			5GY 4/1						
70								occasionally plant debris bearing	
80									
90								lowermost sand bed with sharp lower contact, thin black bottom (1mm) layer	
100			black					95-107cm: black mottles	
110			5GY 4/1						
120								0/- sample, 107-124cm	
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 51X 4 0-132cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 15.6.13
0	mud		5GY 4/1	biscuiting throughout	high			- well indurated mud	
10								12-15cm darker greenish/black mottled	
20									
30									
40	mud				moderate				
50			5GY 4/1						
60									
70					high			70-75cm = slightly coarser interval (silt sized), bioturbated	
80	mud				mod.				
90								82-112cm mud with body of sand: (lithic grains), plant debris, mud clasts, poorly sorted, diatoms	
100			5GY 4/1		moderate			→ bioturbation mainly confined to mud intervals	
110	disturbed							- sharp upper boundary, lower boundary messed up with disturbance	
120								126-132cm: bioturbated mud (biscuit)	
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 51X CC 0–41 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 15.6.13
0					moderate			well hydrated mud	
10	mud		5GY 5/1						
20								foraminifera	
30			5GY 5/1		very high			very nice worm burrows in muddy/sandy interval 26–41 cm	
40	X				PAL			41–46 sample	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 52X 1A 0–147

Site: Hole: Core: Section: Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JF Date: 15/JUN/13
0	Diatom ooze		10Y 4/1		2 (moderate)			0–33.5 cm * Diatom ooze * significantly enhanced bioturbation between 30–33.5 cm ↳ Zoophycos-like & others	
30	Sand		5Y 3/2		1 (slight)			33.5–52.5 cm: A Sand * fine sand with mud ↳ rel. much glimmer ↳ mud clasts / bioturbation? ↳ plant fragments? ↳ several zoophycos-like bioturb.	
50	Diatom ooze		10Y 4/1		2 (moderate)			52.5–102: * Diatom ooze * decreasing bioturbation down-core * increasing number of quartz & hornblende (?) fragments downcore; decrease again below 91 cm	
90									
100	Ooze / mud		10Y 4/1 & 2.5Y 3/1	SLIGHT disturbance (biscuits)	2–3 (moderate to high)			102–147: * colourbanded diatom ooze with mud * 10Y 4/1 & 2.5Y 3/1 → diatom ooze * maximum thickness of bands ≈ 15 cm * typical thickness of bands: ≈ 3–10 cm * multiple zoophycos-like bioturbation and other ↳ variations in bioturbation intensity	
150									

Expedition 341 S. Alaska Margin: U1417 D 52X 2A 0–123.

Site: Hole: Core: Section: Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HF 15/04/13 Date:
0	Ooze mud		10Y 4/1 2.5Y 3/1		2-3 (mod. to high)			0-2: Void 2-123: * as section 1, 102-150 * max. thickness of bands: ~40cm * dispersed plant fragments, e.g. 84-89 cm	
10									
20									
30									
40									
50									
60									
70				biscuit (slight); flow in (slight)					
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 52X 3A 0–116

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Logged by: KF 15/JUN/13

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	Sand		5Y 3/1		1 (slight)			0–2.5: void 2.5–40: * fine sand with mud * mud clast (rip up?) * some zoophycos-like bioturbation (down to ~20 cm) * hornblende(?), quartz, mica * plant fragments?
40	Ooze / mud		10Y 4/1 2.5Y 4/1		mod.			40–116: * colourbanded diatom ooze with mud * greenish grey (10Y 4/1) diatom ooze with interbedding of thin and medium beds of diatom rich mud (2.5Y 4/1) * sub-mm laminations ~74–75 69–73: bioturbated ash?
150				bioturb. (slight); flow-in (slight)				

Expedition 341 S. Alaska Margin: U1417 D 52X CC 0-15.0

Site: Hole: Core: Section: Top Depth:

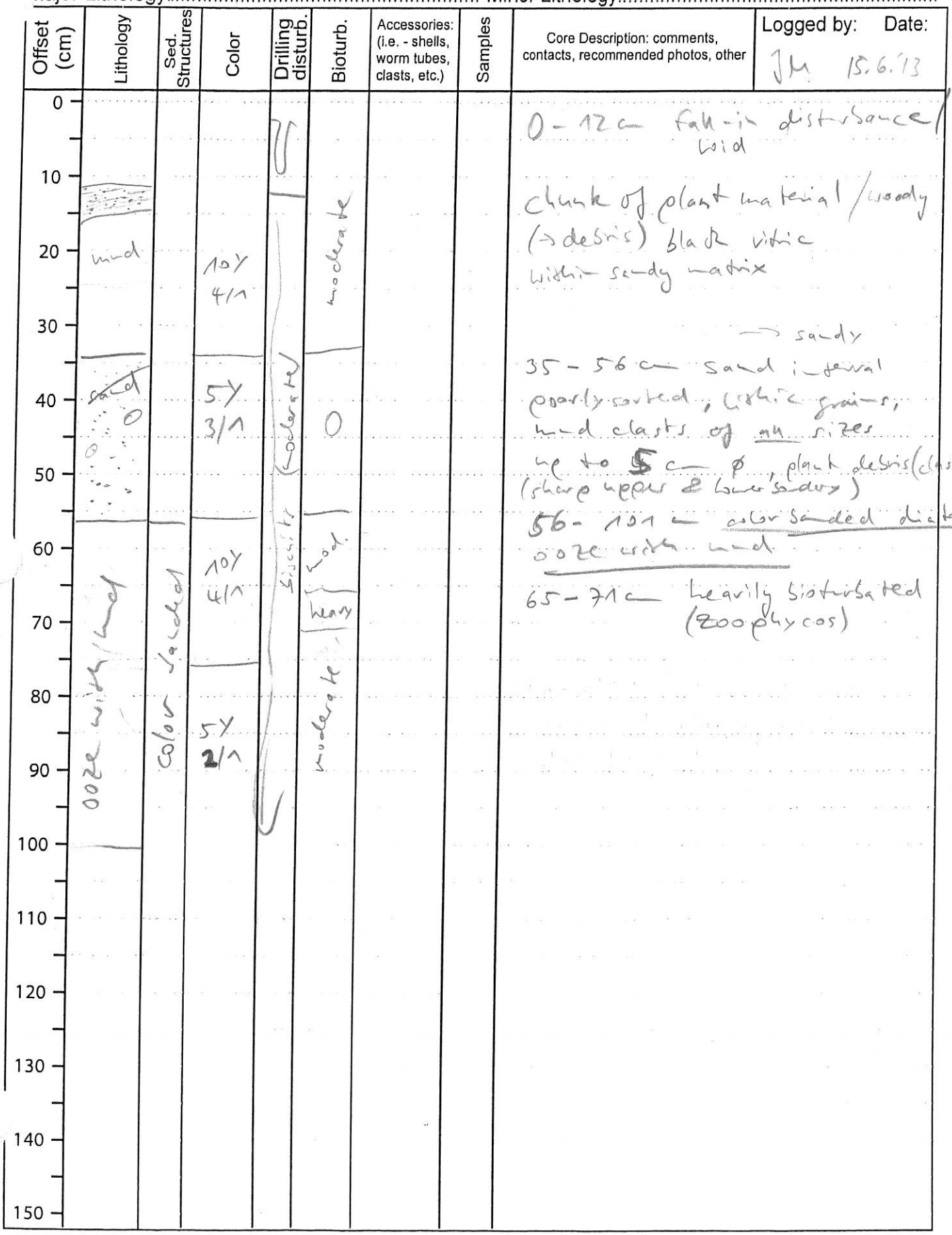
Major Lithology:..... Minor Lithology:.....

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	Ooze/ mud		10Y 4/1	slight mod.	mod.		PAL	0-10.0 tip section 3, 40-116.5 cm	MF 15/JUN/13
10								10.0-15.0 SAMPLE PAL	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 53X 1 0–100.5 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Sand Minor Lithology:



Expedition 341 S. Alaska Margin: U1417 D 53 X 2 0-81 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: ooze, mud, sand Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: JH 15.6.13
0	mud		5Y 4/1		mod			! color sanded diatom ooze with mud (ash calcareous cemented) !	
10	sand		10Y 3/1	Hole 5H	0			9-19 cm : sand bed (thin) poorly sorted sharp erosive lower boundary diamict	
20	mud			(biscuiting (moderate))	moderate			19-21.5 cm : 10Y 4/1 diatom ooze (10% clay)	
30	mud							21.5 - 23 cm : 10G 4/1 diatom ooze (more clay)	
40								23 - 25 cm : 5Y 2/1 diatom rich mud (more silt)	
50	sand		5Y 2/1		0				
60								47-58 cm : sand bed (thin), poorly sorted diamict. sharp erosive lower boundary, (sharp upper)	
70	mud		5Y 2/1 to 10 5 4/1		moderate				
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 53X CC 0-17.5 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 15.6.13
0	mud	?	N4	heavily	?			cracked, flaked	
10	X						PAL	13-18 cm PAL sample	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 54X 1A 0-148

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: VF 15/7/2013 Date:
0			10Y 4/1 2.5Y 3/1		on average heavy			0-94.5: * Colourbanded diatom ooze with mud * 10Y 4/1 (diatom ooze with mud) 2.5Y 3/1 (diatom-rich mud) * maximum thickness of bands ~25cm * moderate to complete bioturbation * 51.3-51.8: sub-mm lamination * 62-63.5: sub-mm lamination * rel. "small", but abundant bioturbation * bioturbation of ash between 10-15 cm * gradational lower boundary	
94.5	Sand		2.5Y 3/1	(slight)	None			94.5-103: * graded very fine sand to silt (normal grading) * bioturbation down to 97 cm * erosive lower boundary	
103	Diamict		2.5Y 3/1	biscuits				103-148: * Muddy diamict with abundant mud clasts of brown, grey & green colour; plant fragments (?) quartz, mica, hornblende (?); clasts up to 11 cm large	
150									

Expedition 341 S. Alaska Margin: U1417 D 54X 2A 0-98

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: HF 15/JUN/13
0	Diamict		2.5Y3/1	Biscuits (slight def. 0-51, slight-mod. 51-77)	None			0-1: VOID	
10								1-51	
20								* as section 1, 103-148	
30								51-52: void	
40								52-77:	
50								* Five biscuits	
60					2			1 (52-60) & 2 (60-62.5): 5Y 3/2, diatom ooze (?) with greenish parts	
70								3 (62.5-67): 10Y 4/1, diatom ooze (?) with bioturbation	
80								4 (67-71) & 5 (71-77): 5GY 3/1 diatom ooze (?) with bioturbation	
90								77-85: SAMPLE: SCRE	
100								85-98: HW	
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 41417 D 54X 3 0-148 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud clayey mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 15.6.13
0	ooze		biscuit 1: 10Y 5/1	slight	moderate to heavy			- black mottles - diato- ooze	
20	ooze		biscuit 2: 5GY 5/1	slight				biscuit 2: - dispersed lenses of 2.5Y 5/1 (grey) fine sand/silt @ 22-29 cm - black mottles - diato- ooze with slightly higher terr. lithic content	
40	washed gravel			heavy					
50	clayey mud		N3	biscuits	slight				
100				moderate					
150									

Expedition 341 S. Alaska Margin: 41417 D 54X 4 0-90 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: clay Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 15.6.13
0–90	clayey silt		N3	sisc. lts, fractured, cracked (clayey)	none (slight i- one sisc. lt)			massive (none or very slight bioturb.) clay (with mud?) (only very very few (1-5) silt-grains in the SS - in-between biscuits cracked gravels/fragments	

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

Expedition 341 S. Alaska Margin: U1417 D 54X CC 0-28 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud, clay Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	clayey mud		N3	slight fract.	0			upper part: 0-13 cm clay (massive)
10								
20	mud		5GY 4/1	biscuit, dri	slight			lower part: 13-28 cm mud
30	X						PAL	28-33 cm sample
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

Logged by: JM Date: 15.6.13

Expedition 341 S. Alaska Margin: U1417 D 55X 1 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-15-13 Date:
0									
10			N4						
20	mud								
30		34							
		37							
40				Erosive Sharp / Erosive Contact					
50									
60									
70									
80		HCS						"wiggly" HCS ⇐ detail	
90		lc						load cast	
		94							
100				Sharp			98	mud	
		102							
110									
120								124-127 ↓ Dig'd ⇐ detail	
		124						rounded granule	
		127						parallel lamination, unusual grey-lish coloured, N5	
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 55X 2 0-146

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-15-13 Date:
0									
10			N4						
20	mud								
30									
40									
50									
60									
70				↑ bioturbated stains					
80									
84 90		≡							
100									
110									
120									
130									
140		≡Δ						wavy gradual	
150									

Expedition 341 S. Alaska Margin: U1417 D 55x 3 0-127

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology: pebbly sand

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-5-13 Date:
0									
10	mud	Parallel lam.	N4						
20									
28.5									
30		cross		↑				convolute lam: at top, 0.4 cm	
40	mud		log 4/1						
50					slightly bioturbated		SS50	d.f. mud	
60									
70	pebbly sand=		N4					mud rip up clasts >6 cm rounded rip-up clasts sandy matrix with mud	
80									
82									
90	mud		N4	↓					
100		Parallel lam.					SS90	sandy mud	
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 55x 4 0-73

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-15-13 Date:
0									
10									
20				biscuit wobbly flow in					
30	mud	parallel lam	N4						
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 11417 D 5S CC

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

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

→DLC

Expedition 341 S. Alaska Margin: U1417 D 56X 1 0-152

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology: pebbly sand

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-15-13 Date:
0									
10									
20									
30	mud		N4						
40				Glaciation					
50									
60				slight					
70									
80									
90	pebbly sand		N4	bioturbated, moderate			SS95	Sandy matrix with mud. d.b. sandy mud	
100							SS102	cf. zoophycos	
110	mud		10GY4/1					d.b. mud	
120									
124									
130	mud		N4						
133	c. sand		N4						
136									
140	mud		N4						
150									

→DLV

Expedition 341 S. Alaska Margin: U1417 D 56X CC 0-24

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, Date: 6-15-13
0	pebbly sand		N4						
8									
10	mud		N4	biscuited	mod.				
19									
20	PTL								
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

→ DLC

Expedition 341 S. Alaska Margin: U1417 D 57X 1 0–104

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: KB, 6-15-13 Date:
0									
10									
20	mud								
30			N4	mod-heavy biscuit	moderate				
40						∅		detrital pyrite, 1 cm	
50									
60									
70	mud		10YR 4/1		strong				
80	diatom ooze		10YR 5/1		strong		388	d. ooze	
90									
100	mud								
104									
110									
120									
130									
140									
150									

SDLV

Expedition 341 S. Alaska Margin: 11417 D 57X 2 0-118

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		10YR 5/4						
10	mud								
20									
30									
40									
50									
60							563	mud	
70									
80									
90									
100									
110									
120									
130									
140									
150									

Drilling disturb.: heavy biscuit, heavy flow in + above C. core

→DLV

Expedition 341 S. Alaska Margin: 1141A D 57X CC 0-27.5

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-15-13 Date:
0									
10	mud		5Y						
20	PAL								
22									
27.5									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

→DLV

Expedition 341 S. Alaska Margin: U1417 D: 58X 1 0-148

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, Date: 6-15-13
0								massive mud	
10								with some	
20								recognizable turbidites	
30	mud		N4						
40									
50									
60									
67									
68		△						turbidite	
70									
77									
79		△						turbidite	
80									
90							392	mud	
97									
98		△						turbidite	
100									
110									
120									
130		=						parallel lam	
140									
150									

Drilling disturb.: heavy, some crust, some flow in

→ DL

Expedition 341 S. Alaska Margin: U1417 D 58X 2 0-133.5

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0									
10									
20									
30	mud		N4		slight to moderate				
40									
50									
60				biscuit, heavy; flow in					
70									
73									
80	mud		10Y5/1				SS79	volcanic bearing diatom rich mud	
87									
90									
100	mud		10Y3/2		moderate				
110									
120									
130								MB10, 1 cm	
140									
150									

DLV

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 58X (Core:) 3 (Section:) 0–101.5 (Top Depth:)

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-15-13 Date:
0	mud		10Y		mod.				
10									
17.5								vertical burrow;	
20									
30								d. zoophycos	
40	mud		10Y 5/1						
50									
60							SS56	diatom ooze	
70									
80									
90									
100									
110									
120									
130									
140									
150									

Drilling disturb.: laterally heavy, some cracks, some flow structures

→ DLV

Expedition 341 S. Alaska Margin: U1417 D 55X CC 0–20

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										
10	mud		10YR 5/1	biscuits w/	strong					
20	PAL									
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

→DL ✓

Expedition 341 S. Alaska Margin: U1417 D 59X 1 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: diatom ooze Minor Lithology: mud

Logged by: AB, 6-15-13 Date:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0								
10	mud		N4	cracks (biscuit)				
17								
20								
30								
40	d. ooze		10Y 5/1					
50								
60								
70				biscuit moderate				
80					(heavy)		SS75	d. ooze
90								
100								
110								
120								
130								
140								
150								

→DLV

Expedition 341 S. Alaska Margin: U1417 D 59X 2 0-

Site: Hole: Core: Section: Top Depth:

Major Lithology: diatom-rich mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-15-13 Date:
0									
10									
20									
30	d.f. mud		10Y 5/1	↑					
40									
50					↕				
60									
70				Discrete moderate					
80					↕ heavy				
90									
100							CS 100	d.f. mud	
110									
120									
128									
130	IW								
140									
150									

-SDLV

Expedition 341 S. Alaska Margin: U1417 D 59X 3 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-15-B Date:
0									
10						zzzz		zooptycos bearing green mud	
20									
30	mud			Drilling disturbed					
40			5Y						
50									
60				flow-in,					
70									
80									
90									
100				very biscuit crack					
110									
120									
130									
140					moderate				
150									

→DL

Expedition 341 S. Alaska Margin: U1417 D 59X 4 0-153

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology: diatom bearing clay mud

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: KB, 6-15-13 Date:
0									
10									
20									
30									
40	mud		N4	biscuit heavy in upper half					
50							CS1	mud	
60				heavy, cracks	mod.				
70									
80									
90									
100	d.b. mud		5Y4/1	biscuit					
110				⇐	⇐				
120				biscuit heavy	strong				
130	mud		N4					parallel lam & zoophycos	
140				⇐ biscuit					
150									

→DL ✓

Expedition 341 S. Alaska Margin: 1147 D 59X 5 0-121

Site: Hole: Core: Section: Top Depth:

Major Lithology: d.b. mud Minor Lithology: mud

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-15-13 Date:
0									
10									
20	mud		N4						
30									
40									
50	d.b. mud		5Y 4/1	Low-int mud Crescent heavy	Low VI			d. zoophycos ↓	
60									
70									
80									
90									
100									
110	mud		N4						
120									
130									
140									
150									

→ DL ✓

Expedition 341 S. Alaska Margin: U1417 D 59X 6 0-58

Site: Hole: Core: Section: Top Depth:

Major Lithology: d.b. mud, mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-15-13 Date:
0									
10	mud		N4	cracks & biscuits by drilling					
20									
30									
40	d.b. mud		5GY 4/1						
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

→DLL

Expedition 341 S. Alaska Margin: U1417 D 59X CC 0-18.5

Site: Hole: Core: Section: Top Depth:

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

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

→DLC

Expedition 341 S. Alaska Margin: U1417 D 60X 1 0-42

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-15-13 Date:
0	dk. mud		V4	Present + Obvious	moderate to heavy		SSM	colour banded diat b. mud	
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 60X CC 0-19

Site:	Hole:	Core:	Section:	Top Depth:
U1417	D	60X	CC	0-19

Major Lithology: mud   Minor Lithology: pebbly sand

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	d.b. mud		N6	biscuit	mod.			colour banded
10	p. sand		N4				SS11	sand
15–19	PAL							
20								
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

Logged by: AB   Date: 6-15-13

JDW

→ DL ✓

Expedition 341 S. Alaska Margin: U1417 (1) 61x 1 0-26

Site: Hole: Core: Section: Top Depth:

Major Lithology: pebbly sand Minor Lithology: mud

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-15-13 Date:
0	d.b. mud		N4						
10	pebbly sand		N4	biscuit mud			SS20	pebbly sand contains angular black, very hard fragments of mudstone; mud cast well rounded sand	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 61X CC 0-23

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: HB, 6-15-13
0					soupy, fall-in			argillite pebble, fall-in contam.	
10	p. sand		N4						
	d.b. mud								
20	18 PAL								
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 (Site:) D (Hole:) 62X (Core:) 1A (Section:) 0-75 (Top Depth:)

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: MF 16/JUN/13 Date:
0			N4	biscuit & flow-in (moderate to high)				0-46	
10								* sandy mud with abundant black granule clasts	
20								↳ coal ?	
30								↳ black shale ?	
40								↳ magnetic minerals ? ↳ clast-rich diamict (lower boundary not preserved)	
50								46-75 * massive mud	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 62X CC 0-38

Site: Hole: Core: Section: Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: MF 16/JUN/13
0			N4					0-17:	
10								* massive mud	
20								17-20:	
30								* heavily disturbed, relative humid mud with clasts of greenstone & siltstone (<2cm)	
40									
50								20-32.5:	
60								* sandy mud with abundant black granule clasts ↳ coal? ↳ black shale? ↳ magmatic minerals	
70									
80								↳ sharp upper boundary	
90								32.5-38 Sample PAL	
100									
110									
120									
130									
140									
150									

Drilling disturb.: biscuits & fall-in (moderate)

Expedition 341 S. Alaska Margin: 41417 D 63X 1 0-35 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: clayey mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: JM 16.6.13
0	clayey mud		N4	(slight to moderate) flow-in, sieving	0			0-32 cm: massive clay or very clayey mud	
30	mud		N4		slight			32-35 cm: mud with slight biotur.	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 63X CC 0-23cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 16.6.13
0–30	diamict; mud; X		N4	(slight) drilling	0; slight		PAL	0–17cm: clast poor diamict with sandy mud matrix 17–22cm: mud slight sidewall 22–28cm sample	

0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150

Expedition 341 S. Alaska Margin: U1417 D 64X 1 0–50 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud & Diamict Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 16.6.13
0–150	mud; diamict; mud; diamict		10B 7/1; N4	Slight to mod.; slight to mod.	0; 0; 0			0–5 cm greywacke* (real hardrock) 5–50 cm: well indurated mud interbedded with diamicts clastrich diamict with sandy mud matrix & coal fragments (black sharp/angular clasts = granule sized) * or fine sandstone	

Expedition 341 S. Alaska Margin: U1417 D 65X 1 0-61cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 16.6.'13
0	well laminated mud		5GY 3/1	biscuiting, flow-in (moderate)	slight to moderate			- mud - few shell mottles	
10									
20									
30			5GY 4/1		heavy				
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 D 65X CC 0-21cm

Site: Hole: Core: Section: Top Depth:

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

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 16.6.13
0	Ld		5GY 4/1		slight			0-3.5cm Ld (slightly bioturbated)	
10	Ld with diamict		N4	Biscuits, fabric ?	0			3.5-21cm Ld with diamict, clast-poor, sandy Ld matrix (black shale coal? granules)	
20	X						PAL	21-26cm sample	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									