

Entered in DL

Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0								LP	8/18/13
-10	5Y 7/1 Light Gray						<p>Alternating cm to decimeter light and dark color layers. Lighter layers are light gray to gray (5Y 7/1) with faint lamination in some intervals. Dark layers are of two kinds:</p> <p>Small fault @ 36-37cm (1) Very dark gray (5Y 3/1) showing faint laminations, and (2) Olive gray to dark olive gray (5Y 4/2 to 3/2) that tend to be darker at base and lighten upwards. Type (2) are more common.</p>		
-20	5Y 3/1 Very Dark Gray	20							
-30	5Y 4/2 Light Gray	45					<p>Interspersed within the lighter bands are dark greenish gray to greenish gray (5G 4/1 to 5/1) layers, typically 1-2cm thick. Oatmeal-like texture in some - possibly diatom-rich?</p> <p>Light layers are Clay by smear slide exam. (~10% silt)</p>		
-40	5Y 7/1	57							
-50	5Y 4/2	01							
-60									
-70									
-80									
-90									
-100									
-110									
-120									
-130									
-140									
-150									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

MBIO IW

SS @ 30cm
Clayey silt (w/Pyrite)
Type II Dark Layer

Olive gray to dark olive gray

TYPE I

Type Silty Clay

← 5G 4/1

SS * 0.7cm

Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0-								LP	8/18/13
-10-							light gray clay w/ olive gray bands		
-20-	54 71						38-50cm Olive gray to faintly dark olive gray (Type II dark layer) laminated		
-30-							50-70cm light gray Clay		
-40-	54 71						70-75cm Type II olive gray		
-50-	42 71			49cm			49cm - Thin foam-rich layer		
-60-	54 71						75-82cm light gray clay		
-70-	Type II			(SS)			82cm-128cm light gray interval with numerous greenish gray bands. Darker olive gray near base of interval.		
-80-	54 71								
-90-									
-100-									
-110-									
-120-	Dark olive								
-130-	gray 0								
-140-	54 71								
-150-									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling Disturbance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0-								LP	8/18/13
-10-	Light gray, with greenish gray bands						Alternating light/dark Clays to silty clays w/ intermittent greenish gray bands.		
-20-									
-30-									
-35-									
-40-									
-50-									
-60-	Dark olive gray (Type II)			58					
-65-									
-68-									
-70-	Light gray w/ greenish gray bands	Brownish dark gray					60-67 Tephra (smear slide) 10YR 6/2		
-80-									
-90-	Dark olive gray Type II			89					
-95-									
-100-									
-110-									
-120-	Light gray Type II	113							
-130-	Light Gray	121							
-140-	Olive gray	137							
-150-									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Type 1 = Dark Grey
 5-3/1
 Type 2 = Olive grey - to
 grey

EXP 346 Asian Monsoon

346-U1422A-1H-4-A

Drilling Disturbance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Biurbation	Comments	Logged By:	Date:
								ACGH	18/8/13
	Light grey to greenish grey with intermittently greenish grey layers		clay	24-26 35-47 55-59 71-74 91-102 124-126 128-130 137			Alternating of massive units of clay (10% silt, sandy quartz).		
							Woody macrofossil @ 49-50cm.		
	91cm Type 2 layers (Dark olive grey) with intermittent light grey to greenish grey.						Alternating Type 2 layers (Dark olive grey 54 3/2-7) light olive grey 54 7/1 54 7/1		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

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Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0-								ACGH	18/8/13
-10-									
-20-							Light grey to grey with greenish sections. (SG 4/1).		
-30-									
-40-							Light to faint lamination.		
-50-									
-60-							Tephra layer at 62cm. (Smear slide @ 1.8cm) Sandy (quartz-rich)		
-70-									
-80-							SS @ 75cm. Type 2 dark layer 5y 3/2.		
-90-									
-100-									
-110-									
-120-									
-130-							Intermittent green/grey layers of ~1cm width.		
-140-									
-150-									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

clay

Muddy clay with some silty layers?

* SS

* SS

Light grey clay

Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0								LP	8/18/13
-10	Olive gray Light Gray clay	15					Alternating Clays (light) and Silty Clays (dark) with interbedded greenish gray (SG 5/1) bands (restricted to lighter intervals)		
-20	Olive gray Silty clay	27							
-30	Light Gray clay	42					27-42 light gray clay with greenish gray bands		
-40	Type II dark								
-50	Light Gray	53							
-60	Gray	63			54-55 cm		Thin light brown Tephra (Smear slide)		
-70	Light gray with greenish gray bands								
-80	Light gray with greenish gray bands								
-90	Light gray with greenish gray bands								
-100	Light gray with greenish gray bands								
-110	Light gray								
-120	Fairly homogeneous								
-130									
-140									
-150									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Coarse layer @ 99cm Smear slide
Tephra

EXP 346 Asian Monsoon

346-U1422A-1H-CC-A

Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
							Type I Dark Blue grt (SG 4 3/2)	AGSA	18/8/12



MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Uploaded to DL

EXP 346 Asian Monsoon

346-U1422B-1H-1-A

Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0	5% Drift 95% Gray						5K6/1 5-58cm Gray silty clay interbedded by centimeter-scale very dark grayish brown (10YR 3/2), dark greenish gray, black layers. Typically 1-2cm. 58-80cm Alternation of dark greenish gray and gray - very dark gray silty clay 80-150cm as similar to 5-58cm	TR	8/18/13
-10									
-20									
-30									
-40									
-50	5K6/1 Gray								
-60									
-70									
-80									
-90									
-95							94-95 VOID		
-100									
-105	Clay silty								
-110							104-106 Ash light gray pumiceous layer with greenish color in center		
-120	Gray								
-130									
-140									
-150									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0								TS	8/18/13
-10							0-19 Gray color clay		
-20	Dark Gray					2	19-23 Dark gray silty clay slightly bioturbated at bottom		
-30							35-39 Dark greenish gray clay		
-40	Dark Gray						40-44 Dark gray slightly bioturbated		
-50	Gray					2	44-88 Gray to dark gray gradually change darker toward bottom intercalated by dark greenish gray		
-60									
-70									
-80	gray Dark gray								
-90	Dark gray Dark gray						90-108 Gray Silty clay		
-100							101-101.5 Tephra vitric gray		
-110							108-114 Dark greenish gray clay		
-120	Dark						114-118 Thinly laminated		
-130							118-150 Olive gray silty clay interbedded by dark greenish gray mm to cm layers.		
-140	Olive gray ST #2								
-150									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

EXP 346 Asian Monsoon

346-U1422B-1H-3-A

Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0-								ACGH	18/8/13
-10-	clay						Clay 5Y 7/1		
-20-									
-30-	36						Ash layer / Tephra.		
-40-	Dark olive 5Y 7/2 42						Silty clay 5Y 7/2		
-50-	45								
-60-	89 Dark olive 5Y 7/2 68						Dark olive 5Y 7/2		
-70-									
-80-	Dark								
-90-									
-100-	Light grey clay (5Y 7/1)						Clay		
-110-									
-120-									
-130-									
-140-							Faint greenish-grey lamination		
-150-									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling Disturbance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
	CLAY						CLAY = SY 7/1 GREY Faint light grey/greenish interbedded layers.	AGH	18/8/13
	26.5			###		I	Tephra layer 30-32 (smeared across core)		
	SILTY CLAY						SILTY CLAY = SY 3/2 DARK OLIVE		
	72						interbedded grey/greenish layer		
	CLAY								
	SILTY CLAY								
	CLAY								

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling Disturbance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0-								TS	8/15/13
-10-	Gray						0-9.5 Gray clay		
-20-	Greenish Gray clay					2	9.5-13 Thinly laminated ^{brownish} dark gray silty clay 13-8.7 Greenish gray clay		
-30-									
-40-							42-44 Dark brownish gray silty clay		
-50-							42-48 Dark brownish gray silty clay		
-60-									
-70-									
-80-									
-90-							81-90 Dark brownish gray silty clay		
-100-							90-97 Greenish gray clay		
-110-							Alternation of dark greenish gray and brownish gray		
-120-							97-131		
-130-									
-140-							131-145 Greenish gray		
-150-							145-150 brownish gray silty clay		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Silty clay.


Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0									
-8	8 Clay KHS Fined						Alternating Clays and Silty Clays (Light & Dark Colors)		
-10									
-20	Clay with greenish Gray layers near base								
-30	30 Silty clay						Clays = light gray (SY 7/1)		
-34	34						Silty Clays = Olive gray to dark olive gray (SY 3/2)		
-40							Green banding mostly within gray clays - cm-scale		
-50									
-60	Light Gray Clay with greenish Gray interbeds								
-70									
-80	80 Silty Clay DK. Olive								
-90									
-100									
-110									
-120									
-130									
-140	140 Light gray to light greenish gray clays w/ dk greenish banding								
-150									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

EXP 346 Asian Monsoon

346-U1422B-1H-CC-A

Drilling Disturbance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Biurbation	Comments	Logged By:	Date:
↓	14% 						SILTY CLAY 54 3/2	ACRA	18/8/13

PAL

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Upgraded to DL

EXP 346 Asian Monsoon

346-U1422C-1H-1-A

Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
0-26 cm	Dark reddish brown silty clay						Dark reddish brown (5YR 3/2) Silty clay soupy	TS	8/18/13
26-53 cm	Dark gray silty clay						Dark gray (10YR 4/1) Silty clay		
53-64 cm	Black silty clay						Black silty clay		
64-97 cm	Gray clay						Gray clay		
97-100 cm	Gray clay						Greenish Gray clay		
100-138.5 cm	Black silty clay						Black silty clay thinly laminated.		
138.5-128 cm	Black silty clay						Gray plutonic? sand layer		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

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Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Biurbation	Comments	Logged By:	Date:
-0	silty clay						0-6 silty clay.	ACGT	18/8/13
-10	CLAY						6-19 - clay - 54 7/1		
-20	17 silty clay						17-24 silty clay, with colour BANDING OF GREEN/OLIVE UNITS. (56 4/1-5/1)		
-30	24						101-103 - CORE VOID		
-40							105-120 - SILTY CLAY (56 3/2) WITH FINE COLOUR BANDING		
-50	CLAY						120-150 - CLAY (54 7/1) TO SILTY CLAY (54 3/2)		
-60							BANDING ALL TO BOTTOM CORE.		
-70									
-80									
-90									
-100	101 VOID 105			VOID					
-110	SILTY CLAY								
-120	120 CLAY TO SILTY CLAY								
-130									
-140									
-150									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0								AGSH	18/8/13
-10									
-20									
-30									
-40									
-50									
-60									
-70									
-80									
-90									
-100									
-110									
-120									
-130									
-140									
-150									

BROWNY TO GREY CLAY.

10YR 5/1

69 SILTY CLAY 5/1
74 CLAY 5/1

90 SILTY CLAY 5/1
94 CLAY 5/1

CLAY →

φ

0-69 BROWNY TO GREY CLAY (10YR 5/1) WITH LAYERS OF GREEN/GREY CLAY
Dispersed glass through section see (SS).

69-74 SILTY CLAY (5Y 3/2) DARK OLIVE BROWN.

74-90 CLAY (5Y 7/1)

90-94 SILTY CLAY

94-140 CLAY (5Y 7/1) GRADIENT TO INCREASING

SILT + A SILTY CLAY (5Y 3/2).

DROPSTONE (?) 94 cm.

XRD SAMPLE SECTION 3 @ 7cm.

Drilling Disturbance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
							Gray silty clay 18cm	TS	8/18/13



MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Uploaded to DL

EXP 346 Asian Monsoon

346-U1422C-2H-1-A

Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
0							0-30 Gray silty clay	TS	8/18/13
25							23cm dropstone ϕ 5mm		
30							24.5-25 Puniceous Ash light gray		
34				1/1			30-34 Dark gray silty clay		
37.5							37.5 Ash layer		
45							Dark gray thinly laminated foram rich		
56							45-56 57.5 micropelite nodule		
							66.5 dropstone ϕ 30mm		
							56-112 Gray clay		
112							112-140m Greenish gray clay		
120							120-121cm light gray Ash layer.		

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MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
5							0-5cm Greenish gray clay 1.5cm clast ϕ 5mm	TS	8/18/13
39	Black loess Silty clay						7.5-9.5cm light color tephra vitic 5-39. TYPE I Black Silty clay		
42							39-42 Olive gray Silty clay		
78	Greenish gray clay						70cm clast ϕ 5mm		
114.5	Black silty clay						78-114.5 faintly laminated Black silty clay (TYPE I)		
125							93cm pyrite nodule		
128							99.5-102 pyrite nodule		
							114cm Foram rich.		
							125-128 Dark gray (TYPE II)		
	Greenish gray clay						150 end of section		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling Disturbance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0								AGGH	18/8/13
-10							0-40cm Greenish Gray Silty Clay w/ dark greenish layers	TS	
-15							<u>13.5-14.5 VOID</u>		
-20									
-30									
-40							40-46.5 Dark Gray (TYPE II) silty clay		
-45						2			
-46.5						2	46.5-52 Greenish Gray Clay		
-50									
-60							52-86 Color banded (brownish gray and dark greenish gray) silty clay		
-70									
-80							<u>80cm</u> concretion?		
-90							86-100 Greenish Gray with very dark grayish green layer (SG 3/2)		
-100							100-114 thinly laminated dark gray gradually darker toward bottom to black		
-110									
-114									
-120							114-129 Greenish Gray Clay <u>125cm</u> Clast of Imbr		
-130							109-132 Dark gray (TYPE II) silty clay		
-132							127-139 Greenish Gray		
-140							139-150 Greenish Gray Clay with 2-5mm thick very dark grayish green layer. (SG 3/2)		
-150							150 end of section.		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0	CLAY						0-15.5 CLAY (SY 7/1).		
-10	15.5 SILTY CLAY 23			15.5 16.5 →			TERRA LAMEN (VITRIC). 15.5-23 SILTY CLAY (SY 8/2). GRADING TO LIGHTER (TYPE II).		
-30	CLAY 38 SILTY CLAY 44						23-38: CLAY (SY 7/1). 38-44: SILTY CLAY (TYPE II) (SY 3/1)		
-50							58-59m: 10m clast (in Working Half)		
-60							44-136: CLAY WITH INTERMITTENT COLOUR BANDING		
-70							COLOUR BANDS: GREEN/GREY (SY 3/2).		
-80	CLAY						SILTY CLAY (TYPE I) LIGHT BLOW (SY 3/2).		
-90									
-100									
-110									
-120									
-130									
-140	136 SILTY CLAY 143						136-143 BAND OF SILTY CLAY (TYPE I). (SY 3/2)		
-150	CLAY						143-151: CLAY (SY 7/1).		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0	CLAY 6.5.						0-6.5cm CLAY (SY 7/1). 6.5-14cm SILTY CLAY (SY 3/2).	ACGA	18/8/13
-10	12.						12-12.5 cm Disturbance FORAMINIFERAL SANDY LAYER. 14-85.5cm CLAY with colour banding (SY 7/1) throughout colour banding = green/grey (SG 4/1)		
-40						44	light bioturbation (mottled clay).		
-60	CLAY.					SS.			
-80	85.5	82 84					82-83 Dropstone / clast > 3mm. 84-85 Dropstone / clast > 3mm. 85.5-87 TYPE II SILTY CLAY.		
-90	87						87-135: CLAY with green/grey (SG 4/1) color banding. ← 88cm-99cm: ^{low} clast (in Working Half) VOID. = possible tephra washed out.		
-100			104 VOID 106						
-110							Grading to SILTY CLAY @ 115-127 cm.		
-120	CLAY.			127.			punctuated with bands of green/grey clay. (SG 4/1).		
-130							Fault at 127cm		
-140									
-150									

Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0								A.K	18/8/13
-10			clay			3	light grey greenish clay (5GT 7/1)		
-20			silty clay			2	color banding with greenish layer (5GT 4/1)		
-30			clay			3	23cm - 31cm		
-40			silty clay				Silty clay (Type I)		
-50			clay				dark		
-55							55-56cm Tephra layer (vitic)		
-60							31 - 44cm		
-70							light grey greenish clay (5GT 7/1)		
-80							color banding with green layer (5GT 4/1)		
-90							44cm - 53cm		
-100							dark silty clay (Type II)		
-110							53cm - 58cm		
-120							greenish clay (5GT 7/1)		
-130							light		
-140									
-150									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0								A.K.	18/6/13
-10	clay 9					2	0-7 cm Clay (SGT 7/1)		
-15						3	Color banding with greenish clay (SG 4/1)		
-20	clay 1						7-10 cm Silty - Clay (Type I)		
-25									
-30									
-40									
-50							10-20 cm Clay (SGT 7/1)		
-60							light greenish clay.		
-70									
-80									
-90									
-100									
-110									
-120									
-130									
-140									
-150									

PAL

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0								TS	8/18/13
-10							0-54.5 Dark greenish Gray clay		
-20									
-30									
-40									
-50									
-60							54.5-65 Greenish Gray silty clay		
-70							65-110.5 Black silty clay 69-69.5 vitric ash dark gray		
-80									
-90									
-100									
-110							106.5 vitric ash dark gray (3mm thick) 106.8 107-110.5 thinly laminated. 110.5-112.5 Dark gray silty clay 112.5-116 Greenish gray silty clay 116-119 slightly bioturbated color bands Dark gray - very dark grayish green.		
-120							119-138.5 Silty clay		
-130									
-140									
-150									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

MBIO
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Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0-							0-0.5 Green	TS	8/18/13
-10-							2.5-10 Olive Gray Silty Clay		
-20-							10-36 Greenish Gray silty clay intercalated by very dark grayish green layers or olive gray silty clay		
-40-							43.5m PYRITE nodule		
-50-							56-62 Dark gray silty clay		
-70-							62-84 Greenish Gray silty clay very dark grayish green bands in 75-84cm DESC pyrite nodule (in very dark grayish green)		
-80-							84-90 dark gray (TYPE II) silty clay		
-90-							90-98 - Clay		
-100-							98-118 Gradually color change from Black (bottom) to dark gray (TOP) (TYPE II)		
-110-							118-128 Greenish Gray Silty Clay		
-120-							128-131.5 Dark Grayish Green - clay 131.5-132 Dark Gray (TYPE II)		
-130-							133-150 Greenish Gray silty clay		
-140-									
-150-									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling Disturbance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Biurbation	Comments	Logged By:	Date:
							0-86 cm greenish light gray clay (SGY 7/1) with color banding (green layer) (slightly)	A.K	18/8/13
							88-96 cm pale olive silty clay (ST 6/3)		
							90-98 cm light olive gray clay (ST 6/2) (homogeneous)		
							98-102 cm gray clay (N. 5/1)		
							102-150 cm light greenish gray clay (SGY 7/1) with color banding (green layer)		
						3			

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0-								TS	2/18/13
-10-					0105		0-42 Dark Greenish Gray silty clay		
-20-							10.5 pyrite nodules		
-30-							36-5-43 laminated, yellowish, greenish gray authigenic carbonate?		
-40-	42				044		43 Black silty clay (TYPE I) near pyrite nodules		
-50-									
-60-									
-70-									
-80-	81						81-88 laminated, dark gray silty clay		
-90-	96						88-96 greenish gray silty clay		
-100-	105						96-105 color banded, brown, olive gray dark olive gray silty clay		
-110-	114						105-116 Greenish Gray silty clay		
-120-					88, 124		114-127 Dark Gray (TYPE II) 124-125 form rich		
-130-	129				88, 135		129-136 Greenish Gray silty clay		
-130-	130						130-140.5 dark Gray banded, silty		
-140-	140.5						137.5-137 form rich		
-150-							145 EOL		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

IW

Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Biurbation	Comments	Logged By:	Date:
-0							Woods macro @ 2-4cm. 0-37.5 SILTY CLAY with color banding	ACGH	18/3/13
-10							17-20cm = faint laminations		
-20				17			37.5 - 44.5 Clay (SY 7/1)		
-30							41.5 - 44.5 Silty clay (Type II)		
-40	39.5						44.5 - 50.5 clay (SY 7/1)		
-50	51						50.5 - 57.5 Silty clay (Type II)		
-60	58				V		57.5 - 78cm - Clay (SY 7/1)		
-70					V		43-44.5 - Tepha (2mm?)		
-80	79				V		78 - 91.5 Silty clay (Type I)		
-90	93				V		88.5 - 91.5 Tepha		
-100					V		91.5 - 180 Clay with color banding of green/grey (SY 3/1)		
-110					V		Tepha 74.5cm		
-120					V		89.8g - Tepha		
-130					V		95cm (2mm) → Tepha white (2 layers)		
-140					V		96cm (2mm)		
-150							101-102 - Pyrite layer		
							→ Pyrite layer 135cm		

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EXP 346 Asian Monsoon

346-U1422C-3H-6-A

	Drilling Disturbance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0-									ACCA	18/3/13
-10-								0-66 - Clay (SY F/1) with green/grey (SG 3/1) colour banding.		
-20-								→ Pyrite layers		
-30-								66-107-5 SILTY CLAY (TYPE II) with regular colour banding of silty clay (type F) + green/grey (SG 3/1)		
-40-										
-50-										
-60-								107-5-150 CLAY (SY F/1) Color banding (green-grey SG 3/1)		
-70-										
-80-										
-90-										
-100-										
-110-										
-120-										
-130-										
-140-										
-150-										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

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EXP 346 Asian Monsoon

346-U1422C-3H-7-A

Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Biurbation	Comments	Logged By:	Date:
0-	clay 5						0-5cm light greenish gray clay	A.K.	18/8/13
-10-	silty clay 19						5cm-19cm dark silty clay (Type I)		
-20-				25 27			30.5cm dark grey tephra (vitrific) < 0.5cm.		
-30-	clay			33			19cm-31cm light greenish gray clay		
-40-				42 43			with green layer (25, 27, 35, 42-43, 5cm)		
-50-				51			51-53cm dark silty clay (Type I)		
-60-				59 62			65cm dark grey tephra (vitrific) < 0.5cm		
-70-				60			53-59cm light greenish gray clay		
-80-							59cm-62cm dark silty-clay (Type I)		
-90-							62cm-68cm light greenish gray clay with green layer (66cm)		
-100-									
-110-									
-120-									
-130-									
-140-									
-150-									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

revised

EXP 346 Asian Monsoon

346-U1422C-3H-CC-A

	Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0-	1	5					5/13/9	0-5cm silty clay (SY 2/1)	ACGH	18/3/13
-10-		COAH						5-18cm clay (SY 7/1)		
-20-										
-30-										
-40-										
-50-										
-60-										
-70-										
-80-										
-90-										
-100-										
-110-										
-120-										
-130-										
-140-										
-150-										



MAJOR LITHOLOGY:

MINOR LITHOLOGY:

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EXP 346 Asian Monsoon

346-U1422C-4H-1-A

Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
0-								HBZ	18/8/13
-10-					✓		0 → 28.5 light gray clay (SY 7/1) with gray green (SY 3/1) at -16 11.5-12 tephra 17-22 micro fault		
-20-							28.5-32 dark olive gray (SY 3/2) clay		
-30-							32-53.5 light gray clay (SY 7/1) color banding		
-40-							53.5-66 sandy silt, lamination (fining upward) dark grey brown (SY 3/1)		
-50-							66-88 light gray clay (SY 7/1) color banding regular		
-60-							88-92 dark grey brown silty clay homogenous.		
-70-							92-119 light gray clay (SY 7/1) banding lower part light bioturbation 106-109		
-80-						5	119-123 dark gray brown silty clay		
-90-							123-139.5 light gray clay faint color banding		
-100-									
-110-									
-120-									
-130-									
-140-									
-150-									

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MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Biurbation	Comments	Logged By:	Date:
-0-								HRZ	18/8/13
-10-							0-90 <u>light gray clay</u> (5Y 7/1) faint color banding		
-20-							29-39 tephra bearing (?)		
-30-							56-90 color banding (alternating brownish/greenish)		
-40-									
-50-	clay								
-60-									
-70-									
-80-									
-90-							90-103 light yellowish brown <u>sandy silt</u> weak color banding		
-100-	silt						103-147 dark brown <u>silty clay</u> (7.5 YR 3/3)		
-110-							homogenous		
-120-	silty clay								
-130-									
-140-									
-150-									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling Disturbance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0-							0-40 dark brown <u>silty clay</u> (7.5 YR 3/3)	HZB	10/8/13
-10-							0-34 homogenous		
-20-							34-40 fine color banding & laminations		
-30-					✓		35.3-36 tepara		
-40-							40-51 light yellowish brown <u>sandy silt</u>		
-50-							51-80 dark brown <u>silty clay</u> homogenous		
-60-							57.5-58 out wash		
-70-							128.5-129 silty sand		
-80-							80-150		
-90-							light gray clay (5Y 7/1) Color banding (alternating dark brown / olive grey)		
-100-							82-84 - micro fault		
-110-				✓			114.5 - tepara		
-120-									
-130-									
-140-									
-150-									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling Disturbance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
							<p><u>0-120</u> light greenish gray clay</p> <p>upper part: color banding</p> <p>(dark brown / greenish gray)</p> <p>lower part, homogeneous - faint color banding</p> <p>lowermost part, color banding of olive gray.</p>	HBZ	18/8/13
		0					74 drop stone 8mm		
		0					118 drop stone 4mm		
							<p><u>120-145</u></p> <p>dark brown silty clay</p> <p>upper part, weak color banding</p> <p>lower part, homogeneous</p>		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

IW

Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Biurbation	Comments	Logged By:	Date:
-0-							0-7 dark brown silty clay faint color banding	HBZ	18/8/13
-10-							7-32.5 light greenish gray clay upper part, color banding (olive gray) lower part- homogenous		
-20-							32.5- 48 dark brown silty clay homogenous		
-30-							47.5 tephra, sandy		
-40-							48- 150 color banding clay alternating brown/gray / olive gray at regular interval.		
-50-							94-95 Foram bearing yellowing brown		
-60-							114 sandy tephra		
-70-									
-80-									
-90-									
-100-									
-110-									
-120-									
-130-									
-140-									
-150-									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling Disturbance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0-										
-10-					9-10 v			0-54.5 Color banding clay centimeter scale alternating dark brown/ olive gray / light gray.		
-20-								9-12, 38, 49. tephra		
-30-					v 38					
-40-					v 49			54.5-150 light greenish gray clay		
-50-		54.5						upper part. DM scale alternating dark brown / greenish gray		
-60-								lower part. homogeneous bioturbated.		
-70-										
-80-										
-90-										
-100-										
-110-										
-120-										
-130-										
-140-										
-150-		150								

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0							0-18 olive grey - olive clay. bioturbated, weak color banding	WIBZ	18/8/13
-10							18-111 greenish gray clay		
-20	18						Upper part, brownish color. bioturbated		
-30							Middle part, weak color banding (olive grey), centimeter scale.		
-40							78.5 - tephra		
-50							Lower part, color banding (olive gray / light brown)		
-60					78.5				
-70									
-80									
-90									
-100									
-110	111						111-128 dark brown clay		
-120					116		Middle part, light greenish gray		
-130	129						116 - sandy tephra		
-140	140						129-140 light greenish gray clay		
-150							Weak color banding		

	Drilling Disturbance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0-									HRZ	18/2/13
-10-								light greenish gray clay		
-20-								weak color banding, centimeter scale		
-30-								through out, olive gray / greenish gray		
-40-										
-50-										
-60-										
-70-	73							Yellowish brown, silty clay		
-80-								upper part, yellowish		
-90-								lower part brownish		
-100-	95							95 - sandy		
-110-								greenish gray clay, mottled, 102-103 Foram bearing silty sand		
-120-	117							108-109 tephra		
-130-								117-135 dark brown silty clay		
-140-	135							127 - tephra		
-150-	151							135 - sandy		
								135-151 light greenish gray clay weak color banding.		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

EXP 346 Asian Monsoon

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Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0							0-14 light greenish gray clay homogenous	H13Z	18/8/13
-10	14						14-41 dark brownish silty clay weak color banding of dark/light brown.		
-20									
-30									
-40	41						41-51 light greenish gray clay bio turbidated.		
-50	51								
-60	65				59.5-63 V		51-65 dark brown e silty clay 59.5-63 tephra		
-70									
-80							65-89 light greenish gray clay 65-87 drilling disturbance Weak color banding		
-90	89								
-100	100						89-100 dark brown silty clay homogenous		
-110									
-120	119						100-119 light greenish gray clay bio turbidated		
-130	131.5						119-131.5 dark brown silty clay faint color banding		
-140	145						131.5-145 light greenish gray clay homogenous bio turbidated.		
-150									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

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Drilling Disturbance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0-								HBZ	10/8/13
-10-		9					0-105 greenish gray clay centimeter scale weak color banding through out.		
-20-		18					9, 18, 51-52, 56, 72, 89.5-90.5, 15.5		
-30-							tephra layers		
-40-							72 - brownish color		
-50-		51-52							
-60-		56							
-70-		72							
-80-									
-90-		89.5-90.5							
-100-		95.5							
-110-	105						105-116 dark brownish silty clay		
-120-	116						116-150 greenish-brownish gray clay centimeter scale color banding through out.		
-130-									
-140-									
-150-	150						upper part, brownish banding lower part darker gray banding.		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling Disturbance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0-							0-7 greenish gray clay mottled	HBZ	18/8/13
-10-	7						7-18 dark brown silty clay gradual top + bottom boundary		
-20-	18					S	18-121 greenish gray clay		
-30-						S	color banding through out upper part, bioturbated		
-40-							Middle part. PM scale banding (dark brown/green gray)		
-50-							lower part, regular color banding		
-60-							102-103 tephra		
-70-									
-80-									
-90-									
-100-		102-103 V							
-110-									
-120-									
-130-									
-140-									
-150-									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

EXP 346 Asian Monsoon

346-U1422C-5H-7-A

Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Biurbation	Comments	Logged By:	Date:
-0-		>					0-48 greenish - brownish gray clay	MBZ	18/8/13
-10-							Weak color banding through out		
-20-							28. tephra		
-30-		28							
-40-		46					46-53 dark brown silty clay		
-50-		53					homogenous		
-60-									
-70-									
-80-									
-90-									
-100-									
-110-									
-120-									
-130-									
-140-									
-150-									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

EXP 346 Asian Monsoon

346-U1422C-5H-CC-A

	Drilling Disturbance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0-								0-21 greenish gray clay DM color banding (dark brown/green gray) scale	HBZ	18/8/13
-10-										
-20-										
-30-										
-40-										
-50-										
-60-										
-70-										
-80-										
-90-										
-100-										
-110-										
-120-										
-130-										
-140-										
-150-										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

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EXP 346 Asian Monsoon

346-U1422C-6H-1-A

		Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
	-0-									HB.z	12/8/13
	-10-	S							0-43 Clay heavy drilling disturbance, 39 - tephra		
	-20-	S									
	-30-	S									
	-40-	S	43	V 39.5					43-79 Brownish silty clay. color banding (greenish gray / black brown)		
	-50-								70, 72.5 - sandy tephra		
	-60-										
	-70-			V 70 V 72.5					79-91 light greenish gray clay. Centimeter scale color banding (olive gray / light greenish gray)		
	-80-		79								
	-90-		91	V					89-90.5, tephra		
	-100-		96						91-96 dark brownish silty clay. homogenous. sharp boundary bottom		
	-110-										
	-120-								96-144 light greenish gray clay		
	-130-								centimeter scale color banding		
	-140-		144	V					through out.		
	-150-								141 - thin tephra layer.		

IW

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0-								HIBZ	18/08/13
-10-							0-115 Light greenish gray Clay Regular centimeter scale color banding (olive gray) through out. 48 qtz- <u>tephra</u>		
-20-									
-30-									
-40-									
-50-		$\frac{v}{48}$							
-60-									
-70-									
-80-									
-90-		$\frac{v}{91}$							
-100-									
-110-									
-120-							115-140 Brownish clay color banding (olive gray)		
-130-									
-140-							140-150 Dark brownish clay. faint color banding		
-150-									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling Disturbance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
	6.5						0-6.5 Dark brownish silty clay 6.5 - Foram bearing	HBZ	18/8/13
	34						6.5-34 light greenish gray clay color banding (dark brown/olive gray)		
	37						34-37 Dark brownish silty clay 37 - Foram bearing		
							37-97 greenish gray clay color banding cm scale. (olive gray / brown) dark		
							97-105 Dark brown silty clay Lamination		
	97						105-151.5 light greenish gray clay color banding (olive gray / dark brown)		
	105						128 - Foram bearing		
							136-139 - micro fault		
							141-151.5 Bioherbane		
	151.5					141			

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0-	7						0-7 Dark brown silty clay	HBZ	18/8/13
-10-							Homogenous.		
-20-							7-29 Light greenish gray clay		
-30-	29						Weak color banding (olive gray)		
-35-	35						29-35 Dark brown silty clay		
-40-							Homogenous.		
-50-							35-145.5 Light greenish gray clay		
-60-					V 58.5		CM scale color banding through out		
-70-							(brown / olive gray)		
-80-							190-112 - tephra		
-90-							2 types - dark brown / yellowish		
-100-							176-145.5 - burrow		
-110-					109 V 112				
-120-									
-130-									
-140-	145.5								
-150-									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

EXP 346 Asian Monsoon

346-U1422C-6H-5-A

	Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0-									HBZ	12/8/13
-10-								0-11.5 clay color bedded		
-20-								11.5-29 silty clay color banding		
-30-								29-45 clay		
-40-								45-105 silty clay color banding		
-50-										
-60-										
-70-										
-80-										
-90-										
-100-										
-110-										
-120-										
-130-										
-140-								105-106 tephra		
-150-								127 tephra		
								127-150 clay color banding		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

EXP 346 Asian Monsoon

346-U1422C-6H-6-A

Drilling Disturbance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0-							0-17 Dark brown silty clay banding color (light greenish gray/ dark brown) U.I - Tephra	HBZ	12/8/13
-10-	17						17-49 light greenish gray clay faint color banding		
-20-							49-53.5 Dark brown silty clay Homogenous.		
-30-							53.5-70.5 Light greenish gray clay Slight heterobated.		
-40-							70.5-80.5 Dark brown silty clay Color band (light greenish gray one layer)		
-50-							80.5-150 Light greenish gray clay slight bioturbated.		
-60-							89.5 - tephra		
-70-									
-80-									
-90-									
-100-									
-110-									
-120-									
-130-									
-140-									
-150-									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0-							0-21 Light greenish gray clay	HBZ	18/8/13
-10-						S	Bioturbated.		
-20-	21						21-46.5 Greenish brown Silty clay		
-30-							Weak color banding (light greenish gray)		
-40-							47.5 - Pyrite crystals.		
-50-	47.5								
-60-									
-70-									
-80-									
-90-									
-100-									
-110-									
-120-									
-130-									
-140-									
-150-									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	-0-	-10-	-20-	-30-	-40-	-50-	-60-	-70-	-80-	-90-	-100-	-110-	-120-	-130-	-140-	-150-
PAL																
S																
13																
13																
Lithology %																
Drilling Distance																
Clast																
Avg. Grain Size																
Sedimentary Structures																
Lithological Accessories																
Bioturbation																
Comments	0-13 dark brown clay Drilling Disturbance															
Logged By:	HBZ															
Date:	12/8/13															

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

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EXP 346 Asian Monsoon

346-U1422C-7H-1-A

Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
								MBZ	18/8/13
-0-							0-30 Grayey Green clay		
-10-							Beautiful drilling disturbance (faulting structure)		
-20-							Color banding (olive gray)		
-30-	30						Dark brown silty clay		
-40-	36.5						Weak lamination		
-50-							Light greenish gray clay		
-60-	54.5						Color banding (olive gray / dark brown)		
-70-	62.5						Dark brown silty clay		
-80-							Foram bearing		
-90-							Weak lamination		
-100-							Light greenish gray clay		
-110-							Color banding (olive gray / dark brown)		
-120-							83-84 - Pyrite bearing appear as a set (!)		
-130-							98 - dark brown psedule (pyrite)		
-140-	138						101-102 dark brown silty clay		
-150-							118 - drop stone		
							134.5 - repha bearing		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0-							0-150 Greenish gray clay Color banding through. { olive gray / light greenish gray - clay dark brown silty sand / greenish gray clay 66-67.5 tephra incl. pyrite 17-18.5 45-46 - yellowish tephra 66-67 - dark brown tephra (pyrite) 75.84 dark brown nodule (pyrite) 123-128 irregular contact 140-142 - calcareous nodule ~ 2.5 cm	HRZ	18/8/13
-10-									
-20-									
-30-									
-40-									
-50-									
-60-									
-70-									
-80-									
-90-									
-100-									
-110-									
-120-									
-130-									
-140-									
-150-									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling Disturbance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Biurbation	Comments	Logged By:	Date:
-0-							0 m 127 light greenish gray clay Faint color banding C olive gray / light greenish gray 73 - thin dark brown nodule layer with pyrite = tephra		
-10-									
-20-									
-30-									
-40-									
-50-									
-60-									
-70-									
-80-									
-90-									
-100-									
-110-									
-120-									
-130-	127						127-150 Dark brown string clay Pyrite bearing through out		
-140-									
-150-	150								

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0-					V		0-52.5 Dark brown diatomaceous silty clay Color banding / yellowing brown / dark brown 0.5-4.5 tephra (sands)	HBZ	18/8/13
-50-	52.5						52.5-78 Light greenish gray clay Color banding appearing as sets of olive gray / dark brown		
-78-	78						78-92 Dark brown silty clay Color banding (dark / light brown)		
-92-	92						92-143 Grayey green clay weak color banding (Grayey green / light greenish gray)		
-143-	143								

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

IW

5 (HBZ)

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Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0-								HRZ	18/8/13
-10-					✓	S	Grayey Green Clay		
-20-					✓	S	Strong bioturbation (burrows)		
-30-	33.5						8-14 tephra bearing.		
-40-							Dark brown diatomaceous silty clay		
-50-							Lamination		
-60-	62						62-68.5 light greenish gray clay		
-70-	68.5				✓		67 - tephra bearing		
-80-	74						68.5-74 Dark brown silty clay		
-80-	80						74-80 Greenish gray clay		
-80-	86						80-86 Dark brown silty clay		
-90-	95						86-95 Greenish gray clay		
-100-							burrows		
-110-	111						95-111 Brownish silty clay		
-120-						S	Slumping structure		
-130-						S	111-141 light greenish gray clay		
-130-					✓		Slight bioturbation		
-140-	141						135 - tephra		
-140-							141-148 Dark brown clay		
-150-	148						148-150 Grayey green clay.		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

	Drilling Disturbance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0-									Hongbo Zhang	18/8/13
-10-								0~150		
-20-								Grayey green clay		
-30-								Weak color banding (olive gray)		
-40-								light grayey green		
-50-								slight bioturbation,		
-60-										
-70-										
-80-										
-90-										
-100-										
-110-										
-120-										
-130-										
-140-										
-150-										

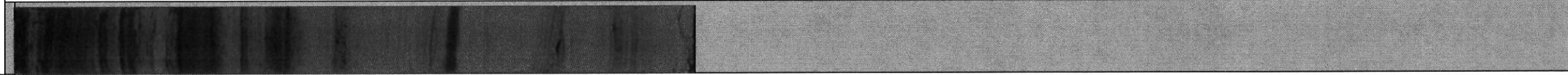
MAJOR LITHOLOGY:

MINOR LITHOLOGY:

EXP 346 Asian Monsoon

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Drilling Disturbance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
							<p>0-67</p> <p>Light greenish gray clay.</p> <p>Find cm scale color banding (olive gray / light greenish gray / brown)</p> <p>26-27 - tephra</p>	Wuyibo Zheng	18/8/13



MAJOR LITHOLOGY:

MINOR LITHOLOGY:

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Drilling Disturbance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0- -10- -20- -30- -40- -50- -60- -70- -80- -90- -100- -110- -120- -130- -140- -150-							DISTURBED IMAGE AFTER PALSONAG		

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

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346-U1422C-14H-2-A

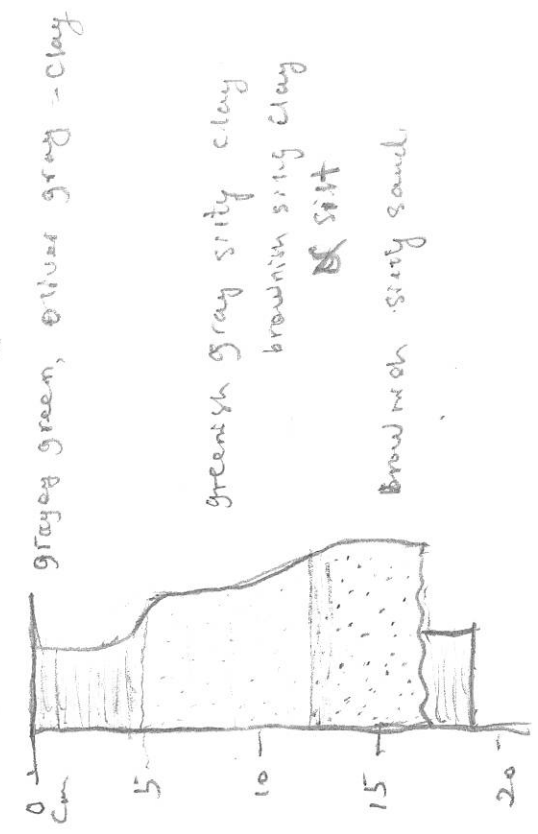
	Drilling Disturbance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0-								ORIGINAL SCAN BEFORE PALEOMAG DISTURBANCE --SEE DISTURBED IMAGE.		
-10-										
-20-										
-30-										
-40-										
-50-										
-60-										
-70-										
-80-										
-90-										
-100-										
-110-										
-120-										
-130-										
-140-										
-150-										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0								Zhang	10/8/13
-10	S	○				S	0-18 Greenish gray silty clay 4 - drop stone 2 cm		
-20	S			T T U B I D I T E S E T S			18-144 Greenish gray silty clay Diatomaceous, minor sand bed Color banding (brownish sand / brownish silty clay / greenish gray) Regular appearance of turbidite beds (brownish sand of 2-3 cm, truncating underlying sediment, fining upward into lamination, then to brownish silty clay, then to greenish gray clay) Each set up to 10-15 cm thick		
-30									
-40									
-50									
-60									
-70									
-80									
-90									
-100									
-110									
-120									
-130									
-140									
-150									

tephra content: 15% dispersed.



Drilling Disturbance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0-								HP Zheng	19/ 8/13
-10-				<p>TURBIDITE SETS</p>			0-150 diatomaceous Greenish gray silty clay, Teptona 10-15%, dispersed, Turbidite sets appear at regular names with an interval of 10-15 cm, Starting from brownish diatomaceous silicious sand of 2-3 cm fining upward into brownish diatomaceous silty clay, and then to greenish gray silty clay.		
-20-									
-30-									
-40-									
-50-									
-60-									
-70-									
-80-									
-90-									
-100-									
-110-									
-120-									
-130-									
-140-									
-150-									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Drilling Disturbance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Biurbation	Comments	Logged By:	Date:
-0-								Zheng	19/8/13
-10-							Greenish gray diatomaceous		
-20-							Silty clay with 2% dispersed		
-30-							tephra.		
-40-							Color banding (greenish gray /		
-50-							Darker gray, greenish brown)		
-60-							Turbidite Sets appear in a regular		
-70-							manner.		
-80-									
-90-									
-100-	103								
-110-							Greenish gray diatomaceous		
-120-							Silty clay with 2% tephra		
-130-							Strong bioturbation		
-140-									
-150-									

————— TURBIDITE SET —————

103-130

Greenish gray diatomaceous
Silty clay with 2% tephra
Strong bioturbation

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Drilling Distance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Bioturbation	Comments	Logged By:	Date:
-0-								Zheng	19/8/13
-10-							0-52 Green gray diatomaceous silty clay, Tephra - 20% (SS) Strong bioturbation		
-20-									
-30-									
-40-									
-50-	52								
-60-									
-70-									
-80-									
-90-									
-100-									
-110-									
-120-									
-130-									
-140-									
-150-									

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

EXP 346 Asian Monsoon

346-U1422C-21H-CC-A

	Drilling Disturbance	Lithology %	Clast	Avg. Grain Size	Sedimentary Structures	Lithological Accessories	Biurbation	Comments	Logged By:	Date:
	0- -10- -20- -30- -40- -50- -60- -70- -80- -90- -100- -110- -120- -130- -140- -150-							0-23 Greenish gray diatomaceous silty clay		

MAJOR LITHOLOGY:

MINOR LITHOLOGY: