

Site 1023

Sample				Depth (mbsf)	Lithology	Texture			Mineral Constituents																Biogenic Constituents									
Hole	Core	Section	Interval			Sand	Silt	Clay	Quartz	Feldspars	Rock Fragments	Muscovite	Biotite	Chlorite	Volcanic Glass	Calcite	Amphibole	Pyroxene	Zeolite	Clay	Opales	Iron Oxides	Pyrite	Zircon	Apatite	Sphene	Other	Foraminifers	Nannofossils	Diatoms	Radiolarians	Sponge Spicules	Bioclasts	Plant Debris
A	1	1	36	0.36	D	0	20	80	C			R			T			D	T	T							T	R	T	T	R	T		
A	1	2	67	2.17	D	0	50	50	D			T		R	R			A	T	T							T			T	T			
A	1	3	70	3.70	D	0	25	75	A	M		T	T	M	T			A	T	T							T	T		T	T	T		
A	1	4	75	5.25	D	0	25	75	A				T	T	R			A	T	T								T		T		T		
A	1	5	67	6.67	D	5	40	55	A			T	R	M	T			C	T										T	T	T	T		
A	1	6	86	8.36	D	0	25	75	D				T		R	T		A	T	T									T		T			
A	1	CC	20	9.20	D	80	15	5	A	C		M			T	M	T		T								T					T		
A	2	1	100	10.30	D	5	30	65	A	C		T	T		T	T		C	T									T	T		T	T		
A	2	2	78	11.58	D	70	30	0	D	M		T			R	M			T															
A	2	3	32	12.62	D	5	20	75	A				R		T	T		C	T	T							T	T	T			T		
A	2	3	70	13.00	D	5	30	65	A				R		R	M		A	T														T	
A	2	4	133	15.13	D	70	30	0	A	C		R	T			M													T					
A	2	6	50	17.30	M	0	15	85	A									D									T	T	M	R	R			
A	2	6	110	17.90	D	5	15	80	A				R		T			A	T								T	R	T		T			
A	3	1	80	19.60	D	5	20	75	A				T		R	R		A									T	R						
A	3	2	86	21.18	D	0	15	85	A							T		A											T					
A	3	3	95	22.77	D	50	30	20	A	M			R		T	M			T	T									T				T	
A	3	5	70	25.52	D	5	20	75	A				R			R	T	A	R								T	R	T		T			
A	3	7	27	28.09	D	5	15	80	A						T			A									T	T	T		T	R		
A	4	2	74	30.54	D	70	20	5	A	C	R		R	R		M			T										T					
A	4	2	95	30.75	D	5	30	65	A	M	T		T	R		T	M		C										T					
A	4	2	143	31.23	D	10	30	60	A					M		R	R		C	T									R	T		R		
A	4	5	4	34.34	D	5	20	75	A	C						R	R		C	T									R	T	T	R		
A	4	5	9	34.39	D	10	20	70	A	C				M		R	R		C										M	M	R	R		

Site 1023

Sample				Depth (mbsf)	Lithology	Texture			Mineral Constituents																	Biogenic Constituents								
Hole	Core	Section	Interval			Sand	Silt	Clay	Quartz	Feldspars	Rock Fragments	Muscovite	Biotite	Chlorite	Volcanic Glass	Calcite	Amphibole	Pyroxene	Zeolite	Clay	Opakes	Iron Oxides	Pyrite	Zircon	Apatite	Sphene	Other	Foraminifers	Nannofossils	Diatoms	Radiolarians	Sponge Spicules	Bioclasts	Plant Debris
A	4	5	40	34.70	D	0	20	80	A					M	T			A	T										T		R	T		
A	4	6	67	36.47	D	5	15	80	D			T	M	R	M			C	T										T				R	
A	5	3	41	41.21	D	75	20	5	D	C	M		R		R				T									T	T					
A	5	5	40	44.20	D	5	35	60	A				R	M				A	T											R	T	R		
A	5	5	129	45.09	D	5	30	65	A					M				A												T		T		
A	5	6	27	45.57	D	5	30	65	A					M	R			A									T		T		T	T		
A	6	2	44	49.24	D	70	20	10	A	M	M		R				T	M										T	T					
A	6	4	33	52.13	D	5	50	45	A	C		R		T	T			C	R									T	T		T			
A	6	4	54	52.34	M	5	15	80							T			A	D															
A	7	2	140	59.70	M	5	25	70	C					D	R			C	M															
A	7	2	142	59.72	M	20	30	50	C					D															T	T	T			
A	7	4	41	61.71	D	5	30	65	C				T	R				D									T		T					
A	7	5	89	63.69	D	75	15	10	A	M	C		R					T	M											T				
A	7	7	37	66.17	D	10	40	50	A			R		R				C	R											T		T	T	
A	8	1	50	66.80	D	30	40	30	A	C	C	M			T	R			R											T	T			
A	8	3	59	69.89	D	0	25	75	C	T			T		M	T		D		T						R	C	T	T	T	T			
A	8	7	14	75.44	D	20	80	0	D	C	R		T		T	C	T	R	R													T		
A	9	3	85	79.25	D	55	40	5	D		R		R		R	R			R	R											T			
A	9	4	25	80.15	D	0	45	55	D	R		T	T	R				A	T	T										T	T		T	
A	10	1	75	86.05	D	5	70	25	A	T			T	T				A	R									T						
A	10	1	78	86.08	D	0	25	75	A	T		T	R	R				A																
A	10	2	110	87.90	D	10	90	0	D	C	T		R	R				T	T															
A	10	7	26	94.56	D	0	40	60	M	T			T	T				D	T													T		
A	10	7	46	94.76	D	0	25	75	C	T			T	T				D	T										T	T	T		R	

Site 1023

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Hole	Core	Section	Interval			Sand	Silt	Clay	Quartz	Feldspars	Rock Fragments	Muscovite	Biotite	Chlorite	Volcanic Glass	Calcite	Amphibole	Pyroxene	Zeolite	Clay	Opakes	Iron Oxides	Pyrite	Zircon	Apatite	Sphene	Other	Foraminifers	Nannofossils	Diatoms	Radiolarians	Sponge Spicules	Bioclasts	Plant Debris						
A	11	3	60	98.40	D	75	15	10	D	M	M	T	R	T		T	M			R	T																			
A	11	3	130	99.10	D	20	75	5	A	C			R			R	M	R	M	M	R																			
A	12	4	50	109.30	D	5	20	75	A		T	R		R					A																					
A	12	4	100	109.80	D	60	30	10	A	C	M	M							T																					
A	13	2	40	115.70	D	5	15	80	C			R		M		R			A																					
A	13	2	60	115.90	D	5	20	75	A			R	T			R	R		A	T																				
A	13	2	94	116.24	D	0	15	85	C			R		R				T		D																				
A	13	4	54	118.84	D	5	25	70	C			R		R		T	T		A																					
A	13	5	109	120.89	D	90	10	0	A	M	C	R							M																					
A	14	1	95	124.25	D	15	75	10	D	A		T	T	M		R	C	T	T	M	R																			
A	14	1	134	124.64	D	90	10	0	D	C	R	R	R						M	M																				
A	14	2	58	125.38	D	10	70	20	A	A	M	R				R	M			C	M																			
A	14	2	91	125.71	D	0	80	20	D	C			R			R				C	R																			
A	15	1	38	130.38	D	60	30	10	A	A		M	M						M																					
A	15	1	67	130.67	D	5	20	75	C			M		M		R	M			A	T																			
A	16	2	72	134.92	D	15	30	55	A	M		R	T	M					M		A	T																		
A	16	2	111	135.31	D	0	30	70	A				R	T		M	R			A	M																			
A	17	6	45	150.25	M	0	10	90	R			T	T	T		R	R			D	T																			
A	17	6	64	150.44	D	0	30	70	D	T		T	R			R	R			A	R																			
A	18	4	40	156.80	D	0	35	65	A	T			R	T		R	T			A	R																			
A	18	5	72	158.62	D	10	70	20	D	T	T	T	M	R		T	R			M	R																			
A	19	3	51	165.11	D	0	25	75	A				T	T		T				A	T																			
A	19	4	91	167.01	D	0	80	20	A	T		T	T			T	R			R	R																			
A	19	4	110	167.20	D	5	90	5	D	T	T		R	T		R	R			R	R																			

Site 1023																																						
Sample				Depth (mbsf)	Lithology	Texture			Mineral Constituents																Biogenic Constituents													
Hole	Core	Section	Interval			Sand	Silt	Clay	Quartz	Feldspars	Rock Fragments	Muscovite	Biotite	Chlorite	Volcanic Glass	Calcite	Amphibole	Pyroxene	Zeolite	Clay	Opakes	Iron Oxides	Pyrite	Zircon	Apatite	Sphene	Other	Foraminifers	Nannofossils	Diatoms	Radiolarians	Sponge Spicules	Bioclasts	Plant Debris				
A	20	2	79	173.49	D	60	30	10	D	M	R	R	T		R	M				M																		
A	20	5	64	177.84	D	0	25	75	A			M		M	R	R			A	T										R								
A	21	1	30	181.10	D	10	20	60	C			M	T	R					D	R									R						T			
A	21	3	82	184.62	M	10	20	70	A			T		T					A									R	M	T	T	T	T	M				
A	21	7	36	190.16	D	70	30	0	A	C				C						R															T			
A	22	1	63	191.03	D	5	15	80	C	M										A	M							T	T						R			
A	22	2	4	191.47	D	10	20	70	C					M						A	T							R	R							R		
A	22	CC	15	192.61	D	70	30	0	C	C				C							M																	

KEY:

Percentage ranges of constituents:

- D - Dominant: >50%
- A - Abundant: 25 - 50%
- C - Common: 10 - 25%
- M - Minor: 5 - 10%
- R - Rare: 1 - 5%
- T - Trace: <1%

Abbreviations used in "other" column

- (in trace amounts unless otherwise noted)
- An - anhydrite
- Ar - aragonite
- Ep - epidote
- Ru - rutile
- To - tourmaline

Lithology:

- M - minor
- D - dominant

Site 1024

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Hole	Core	Section	Interval			Sand	Silt	Clay	Quartz	Feldspars	Rock Fragments	Muscovite	Biotite	Chlorite	Volcanic Glass	Calcite	Amphibole	Pyroxene	Zeolite	Clay	Opagues	Iron Oxides	Pyrite	Zircon	Apatite	Sphene	Other	Foraminifers	Nannofossils	Diatoms	Radiolarians	Sponge Spicules	Bioclasts	Plant Debris
A	1	1	10	0.10	M	5	15	80	A										D									T	R	M	R	C	R	
A	1	2	25	1.60	D	10	30	60	A	M					M		T	C	T										R	T	T	T	T	
A	1	4	80	5.15	M	60	30	10	A	C	M		T		C												T							
A	1	6	80	8.15	D	10	30	60	C	C			M		T	R		C	M			T								T	T	T		
B	1	1	6	0.06	M	5	15	80	C						T				C		A						T	R	M	R	M			
B	1	1	39	0.39	D	5	15	80	C				R		R				A								R		M	R	M			
B	1	1	118	1.18	D	0	20	80	C	M			M		R				A		T						T		T		T	T		
B	1	2	62	2.12	D	5	80	15	A	C					M				M	R														
B	1	2	66	2.16	D	5	40	55	C	C					R				C								R	C	T	T	T			
B	1	2	68	2.18	D	0	30	70	C				M		R				D	T	T								T	T	T			
B	1	3	50	3.50	D	40	60	0	A	A	C		T	T		T	M		M	R													T	
B	2	6	97	16.07	D	0	40	60	A				M		R				C	T	T							R	M	T	R	R		
B	3	1	68	17.78	M	5	85	10	A	C	M	R	R		R			M	C			T							T					
B	3	1	95	18.05	D	5	40	55	A			M		M		T			C	R							T		T		T	T		
B	3	4	87	22.47	D	0	20	80	A	M			R		R	T			C	T	T						T		T	T		T		
B	4	1	6	26.66	D	0	15	85	C						R	R			A	M		T					R	M	M		M			
B	4	1	37	26.97	M	5	40	45	D		T	T	T	T	R	T			C	R									R	M	R	R		
B	4	1	56	27.16	D	0	20	80	A	T			T		T	T			M	T	T						T	A	T	T	T	T		
B	4	2	64	28.74	M	5	35	60	A	R	T		T		R	T	T		M		T			T			T	D	T					
B	4	4	42	31.52	M	5	45	50	C				T	R		R	T		M	T							R	A	T	T	T			
B	5	1	88	36.98	D	70	30	0	A	C	R	T	T		T	M			R	T							T		T	T	T			
B	5	1	97	37.07	M	30	30	40	A	M	T		T	M		R			C	T							T	T	R	T	T	T		
B	6	1	64	46.24	M	30	30	40	A	C	M		T		T				C	R							T		T	T				
B	6	1	85	46.45	D	5	20	75	C	R					M				D	T								R	T			T		
B	7	3	42	58.52	D	10	35	55	C	C	M	R			R				A	T									T		T			
B	7	6	39	62.99	D	5	30	65	C	C			M		M				A								R	T	T	R				
B	8	1	78	65.38	D	5	20	75	C	M					R				A	T							T	R	T		R	T		

Site 1024

Sample				Depth (mbsf)	Lithology	Texture			Mineral Constituents																	Biogenic Constituents									
Hole	Core	Section	Interval			Sand	Silt	Clay	Quartz	Feldspars	Rock Fragments	Muscovite	Biotite	Chlorite	Volcanic Glass	Calcite	Amphibole	Pyroxene	Zeolite	Clay	Opales	Iron Oxides	Pyrite	Zircon	Apatite	Sphene	Other	Foraminifers	Nannofossils	Diatoms	Radiolarians	Sponge Spicules	Bioclasts	Plant Debris	
B	9	2	85	76.45	D	85	15	0	A	A	M		T	R		R	M				T													T	
B	9	4	41	79.01	D	30	70	0	A	C	M		T			T	C				R	T													
B	9	4	85	79.45	D	10	30	60	C	C				M					A															T	
B	10	1	42	84.02	D	80	20	0	A	C	C		R			T	M				T														
B	10	4	107	89.17	D	5	20	75	C			R	R						A	T							R	C	T						
B	12	2	59	104.69	M	5	55	40	C	T		T	T	T		R	T			C	R						T	D	T						
B	12	3	16	105.76	D	15	75	10	D	T	R	T	T			T	R	T		M	R	T						R	T	T	T				
B	12	6	47	110.57	D	0	60	40	A	R	T		T	T		T	T			C	T	T						A	T	T					
B	13	2	4	113.64	D	70	25	5	D	R		R		T			M	T		R	R	T						R	T						
B	13	4	80	117.40	D	0	30	70	A	T	T	T	T	T		T	R			C	R							M	T	T					
B	15	1	43	131.63	D	0	30	70	A				T			R	R	T		A	R							C	T	T	T				
B	15	1	103	132.23	D	0	30	70	A				T							D	R							T	R	T	T				
B	16	2	17	142.47	M	0	20	80	M	T						T				C	R							D	T				T		
B	16	6	77	149.07	D	0	30	70	A	T				T		T	T			C	R	T						T	A						
B	17	2	75	152.65	D	0	40	60	C				T			T	T			A	R							A							
B	17	5	14	156.54	M	5	25	70	C			M		R		T				C	T							R	D		T	T	R		
B	17	5	60	157.00	M	5	35	60	R	T		T	T			M	T				R							A	D	T	T	T			
B	18	1	72	160.72	D	5	15	80	C			C		M			R				T							R	C		T			M	
B	18	4	128	165.78	D	0	30	70	C			M		R			R			D	T	T						T						T	
B	18	4	129	165.79	D	5	15	80	A	M		C	T	T						D	T							T						T	
B	18	5	55	166.55	M	10	30	60				M								C								C	D					A	

Note: See Site 1023 for key to abbreviations.

Site 1025

Sample				Depth (mbsf)	Lithology	Texture			Mineral Constituents																Biogenic Constituents									
Hole	Core	Section	Interval			Sand	Silt	Clay	Quartz	Feldspars	Rock Fragments	Muscovite	Biotite	Chlorite	Volcanic Glass	Calcite	Amphibole	Pyroxene	Zeolite	Clay	Opauques	Iron Oxides	Pyrite	Zircon	Apatite	Sphene	Other	Foraminifers	Nannofossils	Diatoms	Radiolarians	Sponge Spicules	Bioclasts	Plant Debris
A	1	1	2	0.02	M	0	10	90	M	M			M			R			C	C	T						R	M	M	R	C			
A	1	1	30	0.30	D	5	10	85	C	M			M			T			C	T	T						R	M	C	C	C			
B	1	1	95	0.95	D	10	40	50	A	C		M	R			R			C	T	T						R	M	T	T	R			
B	1	1	138	1.38	M	40	50	10	C	C	M					C				M									T	T	T	T	T	
B	2	2	5	6.55	D	5	60	35	A	R		R		M		R			C	T									T			T		
B	2	2	31	6.81	D	5	30	65	A	C		R		M		M			C	T	T						T	R	T		T			
B	2	3	16	8.16	M	10	40	50	A			T			R	T			A	C								M	T					
B	3	1	77	15.27	M	80	20	0	A	A			R	R		C				T					Ep		T	T	T	T				
B	3	1	116	15.66	D	0	60	40	C					M		C			C								T	R	R	R				
B	3	3	80	18.30	D	0	30	70	C	T			T	T		R	T		C	R							T	A	T	T	T	T		
B	3	5	48	20.98	D	0	55	45	A	T			T	T		R	T		A	R	T						T	C			T			
B	3	5	65	21.15	D	5	90	5	D	T	R	T	R	T		T	M	T		R			T											
B	4	1	69	24.69	D	10	80	10	A	R	M		T			R	M			C	R								T					
B	4	3	74	27.74	D	3	17	80	C			R		M		M			D	R									T	T	T	T	T	
B	4	5	55	30.55	D	0	60	40	A	A			T	M		R	T		A	T									T			T	T	
B	5	2	86	35.86	D	0	40	60	A	C		R		M		M			A	T							R	M						
B	5	3	34	36.84	M	40	40	20	C	C	M		T			T	C			M	R						T	R	T			T		
B	6	1	99	43.99	D	60	30	10	A	A	C		C			C	T			R									T					
B	6	5	37	49.37	D	5	45	55	C	C		R				R			C	T	T						T	T						
B	6	7	22	52.22	D	70	30	0	A	C	M		R			T	M			T								T						
B	7	2	88	54.88	D	5	30	65	A	A	M		R	R		T	R			C	R						T	T						
B	7	4	53	57.53	M	80	20	0	A	A	C					M				R														
B	8	1	112	63.12	D	5	45	50	D		R		T	T		M	R			C	R	T					T							
B	8	6	23	69.73	D	25	70	5	D	T	M	T	T			R	M	T		M	R			T										
B	10	1	52	81.62	D	5	40	55	C	C		R	R						A	R							T							

Site 1025																																			
Sample				Depth (mbsf)	Lithology	Texture			Mineral Constituents																	Biogenic Constituents									
Hole	Core	Section	Interval			Sand	Silt	Clay	Quartz	Feldspars	Rock Fragments	Muscovite	Biotite	Chlorite	Volcanic Glass	Calcite	Amphibole	Pyroxene	Zeolite	Clay	Opauques	Iron Oxides	Pyrite	Zircon	Apatite	Sphene	Other	Foraminifers	Nannofossils	Diatoms	Radiolarians	Sponge Spicules	Bioclasts	Plant Debris	
B	10	1	78	81.88	M	40	30	30	A	C		R	M		T	M				T								R							
B	10	1	98	82.08	D	0	20	80	C	M			M						D	R							T	A							
B	10	2	69	83.29	M	0	15	85	M	M		R		R					D							R	A				R	T			
B	10	4	48	86.08	M	0	20	80	M			T	T		R	T			M	R			T				R	D							
B	11	1	50	91.20	M	0	30	70	M				T		A	T			C	R						R	A								
B	11	1	140	92.10	M	0	40	60	M			T	T	T	A	T			A	R	T					R	C								
B	11	2	67	92.87	M	0	40	60	R				T	T	A				C	M	T					R	A								

Note: See Site 1023 for key to abbreviations.

Site 1026

Sample				Depth (mbsf)	Lithology	Texture			Mineral Constituents																Biogenic Constituents								
Hole	Core	Section	Interval			Sand	Silt	Clay	Quartz	Feldspars	Rock Fragments	Muscovite	Biotite	Chlorite	Volcanic Glass	Calcite	Amphibole	Pyroxene	Zeolite	Clay	Opagues	Iron Oxides	Pyrite	Zircon	Apatite	Sphene	Other	Foraminifers	Nannofossils	Diatoms	Radiolarians	Sponge Spicules	Bioclasts
A	1	1	5	0.05	M	0	20	80	C			T		M					A	T							R	C	C	C	A	C	
A	1	1	100	1.00	D	5	20	75	M	M	R								C	R		T					T	C	C	C	A		
A	1	3	13	3.13	D	5	40	55	C	C		T	R		R	M			M	R		T						M	M	R	M		
A	2	3	40	8.80	D	5	20	75	C	C	R				M				C	R	T						T	M	T			T	
A	2	6	64	13.54	D	0	20	80	C	M			M						C	R								C	M		T	M	
A	3	1	6	14.96	D	0	20	80	C	C			R	T					A	R								M	T	T		R	
A	4	1	15	24.55	M	75	15	10	C	A	C		T							R													
A	4	1	118	25.58	M	80	10	10	C	C	C		M							T	M												
A	4	6	6	31.96	M	15	30	55	C	C			T	M						C	T							C	T		T	T	
A	4	6	101	32.91	D	0	30	70	C	C		R		M						C	R						T	M				T	
A	5	3	110	38.00	D	0	35	65	A	T	T	T		T					R	R								T	T				
A	6	6	60	51.50	D	0	40	60	D	T		T	T							R	M					An		T					
A	7	2	60	55.00	D	0	50	50	A		T	R	T	R						R	R			T		Ar		T	T				
A	7	3	56	56.46	D	70	30	0	D	R	R			T						T	M	T											
A	7	5	26	59.16	D	15	80	5	D	T	M			T						C	T								T				
A	8	1	90	63.30	D	0	70	30	D		M		T	T						R	M												
A	8	2	105	64.95	D	0	70	30	D				T							T	R								T				
A	8	3	76	66.16	D	0	30	70	A	A			T	R							R								T	T			
A	8	3	88	66.28	D	80	20	0	C	C	C	T	T	T						C													
A	9	4	40	76.80	M	30	35	35	A	A	C		M	T						M													
A	9	5	42	78.32	M	30	30	40	A	C	C		M							M								R					
A	10	2	80	83.70	D	80	20	0	A	C	C		M							C													
A	10	2	125	84.15	D	20	35	45	A	C			R	M						R									T	T		T	
A	10	3	100	85.40	D	0	35	65	C	M		C								T	M								T			T	
A	11	1	79	91.69	D	80	15	5	A	A	C		M							R	C												
A	11	4	116	96.56	D	0	40	60	C	C		M		M						M												T	
A	12	CC	11	101.29	M	15	35	50	A	A		C		M						R	R								R				

Note: See Site 1023 for key to abbreviations.

Site 1027																																			
Sample				Depth (mbsf)	Texture				Mineral Constituents															Biogenic Constituents											
Hole	Core	Section	Interval		Lithology	Sand	Silt	Clay	Quartz	Feldspars	Rock Fragments	Muscovite	Biotite	Chlorite	Volcanic Glass	Calcite	Amphibole	Pyroxene	Zeolite	Clay	Opauques	Iron Oxides	Pyrite	Zircon	Apatite	Sphene	Other	Foraminifers	Nannofossils	Diatoms	Radiolarians	Sponge Spicules	Bioclasts	Plant Debris	
B	1	1	48	0.48	D	0	40	60	C	C						R			A	T		M					T	R	C	R	C	R			
B	1	3	69	3.69	D	5	40	55	C	C			T		T	R			A	R		R					T	R	M	T	M	T			
B	3	2	77	15.97	D	80	20	0	A	C	C					M					R														
B	3	5	109	20.79	D	0	40	60	C	C		M		M		M			A	R								R				T			
B	4	1	80	24.00	D	0	30	70	C	C		M	T	M		R			C	T								T							
B	4	1	135	24.55	D	20	50	30	C	C	M		T		M	M			C	T	T								T			T			
B	5	1	30	33.00	D	0	30	70	M	M			R			R			D	R								R				T			
B	5	1	80	33.50	M	30	60	10	D	C	M		T		R	M				T								T							
B	5	3	25	35.95	D	60	40	0	A	C	C	T	M			C				T							R		T				T		
B	6	3	50	45.70	D	70	30	0	A	C	M		T			M				T						Ru	T	T						T	
B	7	1	140	53.10	D	20	70	10	D	R	M					C	R		R	R	T												T		
B	7	5	50	56.17	D	65	25	10	D	M	M		R	R		T	C			M	R														
B	8	1	105	62.25	D	0	60	40	A			T	T	T		R	T		A	R	T							R	T						
B	8	2	99	63.69	D	5	70	25	D	T	R	R	T	T		M	R	T		M	R	T			T			R	T	T					
B	8	4	70	66.40	D	80	15	5	A	M	C		R			R	C	T		M	R	T		T											
B	9	1	80	71.50	D	0	60	40	A	R	R		T	T		R	M	T		A	R	T		T						T					
B	9	3	80	74.50	D	85	15	0	A	M	C					C	T		M	R															
B	17	1	49	145.99	D	0	35	65	A	M	R		T			R	R			A	R	T						T	R	R				T	
B	17	1	71	146.21	D	5	25	70	D	R	T		T			R	R		T	A	R								T	R	T	T			
B	17	2	23	147.23	D	5	90	5	D	R	C		T	T		R	M			R	R	T								T					
B	17	2	120	148.20	M	5	10	85	A	R			T	T		R				A	R								R	T	T	C			
B	17	CC	33	150.89	M	10	70	20	M	T			T			D	R	T		R	R	T													
B	19	1	59	165.29	D	0	40	60	A	R			T			R	R	T	T	A	R								T	T	T	T			
B	19	1	109	165.79	D	5	70	25	A	R	M		T			R	C		T	M	C	T		T					R	T					
B	19	CC	30	166.62	D	60	40	0	A	A	A		R				M			R									T						
B	20	CC	32	174.62	D	0	20	80	C					T						D	T									T					
B	21	CC	27	184.17	D	40	40	20	D	C	C		R							M										T					

Site 1027																																			
Sample				Depth (mbsf)	Texture				Mineral Constituents															Biogenic Constituents											
Hole	Core	Section	Interval		Lithology	Sand	Silt	Clay	Quartz	Feldspars	Rock Fragments	Muscovite	Biotite	Chlorite	Volcanic Glass	Calcite	Amphibole	Pyroxene	Zeolite	Clay	Opauques	Iron Oxides	Pyrite	Zircon	Apatite	Sphene	Other	Foraminifers	Nannofossils	Diatoms	Radiolarians	Sponge Spicules	Bioclasts	Plant Debris	
B	21	CC	30	184.20	D	30	40	30	A	A	C		T			C				R									T						
B	22	1	119	194.69	M	5	30	65	A	C						R			A	R								T	T	T			R		
B	22	2	120	196.20	D	0	40	60	C	C						M			A	R								T	T				R	T	
B	22	3	39	196.89	D	70	30	0	A	C	R		T	T		M				R									T		T		T		
B	23	1	52	203.72	D	0	40	60	C			R		R		R			A	T								R						T	
B	23	1	74	203.94	D	60	40	0	A	C	C		R			T	M				R							T	R	T		T	T		
B	23	CC	24	204.76	M	0	90	10	A	A	R					C				R									T		T	T			
B	26	1	28	232.28	D	5	25	70	C	C						R			A	T								M	M	T			M		
B	26	1	56	232.56	D	80	20	0	A	C			R			R	M				T							T	T	T		T	T		
B	26	2	122	234.72	M	5	80	15	A	C	C		T			C				M									T						
B	26	4	61	237.11	D	5	40	55	C	C				M		M			A	T								R	M	R	T	R	R		
B	27	1	124	244.34	D	0	30	70	M	R			T			R			M	T								R	A	T	T	T	R		
B	27	2	14	243.24	D	0	30	70	C	M						T	R			D	T							T	R			T			
B	27	2	30	243.40	D	5	40	55	C	M	R					M			A									R				T	T		
B	28	1	56	251.86	D	0	50	50	C	C			R			M			A	T								R				T	T		
B	28	1	120	252.50	D	0	30	70	C	C			T			T	M			A	T							R						T	
B	29	1	50	261.40	D	5	40	55	D	M	R	T	T	T		R	R			C	R														
B	29	5	70	267.60	D	0	70	30	A	R		T	T			R		T		A	R							T	T						
B	30	2	20	272.20	D	0	70	30	A	M	R					R	R	R		A	R							T			T				
B	30	2	42	272.42	D	0	60	40	A			T	T	T		M	R	T		A		T								T		T			
B	30	5	95	277.45	D	5	75	20	D	M				T	R	M				C	M									R	T	M			
B	31	1	134	281.44	D	0	40	60	A	M	M	R	T	R						C	T							T	M	R	T		R		
B	31	1	138	281.48	D	40	60	0	A	C	M		R			T	M			T								T		T		T			
B	31	5	10	286.20	M	0	20	80	T												T							R	D	T			R	T	
B	32	1	49	290.29	D	0	25	75	C	M				R						D									T	T				T	
B	32	2	2	291.32	M	5	30	65																				M	D	T	T		M		
B	33	1	46	299.86	D	10	60	30	C	A		M				R	M				T			T		To									

Site 1027																																										
Sample				Depth (mbsf)	Texture				Mineral Constituents																Biogenic Constituents																	
Hole	Core	Section	Interval		Lithology	Sand	Silt	Clay	Quartz	Feldspars	Rock Fragments	Muscovite	Biotite	Chlorite	Volcanic Glass	Calcite	Amphibole	Pyroxene	Zeolite	Clay	Opauques	Iron Oxides	Pyrite	Zircon	Apatite	Sphene	Other	Foraminifers	Nannofossils	Diatoms	Radiolarians	Sponge Spicules	Bioclasts	Plant Debris								
B	33	2	73	301.63	D	0	20	80	C	M				R			R			A	T													R				R	T			
B	34	5	35	315.45	D	0	20	80	C	M						R				D	T															T	T					
B	34	5	100	316.10	D	0	30	70	C	M						R				D	T							R	R								T	R				
B	35	3	20	321.90	D	0	20	80	C	M				T			R				D	T																				
B	36	4	49	333.39	D	10	80	10	A	C	M																															
B	36	5	38	334.78	D	0	40	60	C	C				T	R		M	M																								
B	36	6	47	336.37	M	30	50	20	C	A	R			R	R																											
B	37	1	20	338.20	D	0	50	50	A	C	M					T	M																							T		
B	37	1	25	338.25	D	0	70	30	C	M					M																											
B	37	3	46	341.46	D	0	30	70	C	C					R																										T	
B	37	4	41	342.91	D	0	20	80	A					T	R																											
B	38	1	55	348.25	D	0	30	70	C	C				T	R																											
B	38	2	16	349.36	M	5	70	25	A	C				T	R																										T	
B	38	4	6	352.26	M	20	70	10	A	C	M			R	T																											
B	38	4	19	352.39	M	0	50	50	C	R					T						A	T																				
B	38	6	9	355.29	M	0	40	60	C	M					M																											
B	38	6	22	355.42	D	0	20	80	C		M				T																										T	
B	39	1	40	357.70	D	0	30	70	C	M				T	T																										T	
B	39	5	119	364.49	M	10	90	0	A	C						T	C																									
B	39	6	48	365.28	M	10	75	15	A	C	R	T	T																													
B	39	CC	15	366.95	D	0	30	70	C	C																																
B	40	1	39	367.39	M	5	85	10	A	C					T																										T	
B	40	2	77	369.27	D	0	20	80	C	M																																
B	40	2	87	369.37	D	0	50	50	C	C					T	R																										
B	41	2	12	378.22	D	0	30	70	C	M					R																											
B	41	2	110	379.20	D	0	20	80	C	M					C																											
B	42	1	52	386.72	D	5	35	60	C	C					R																										T	

Site 1027																																					
Sample				Depth (mbsf)	Texture				Mineral Constituents															Biogenic Constituents													
Hole	Core	Section	Interval		Lithology	Sand	Silt	Clay	Quartz	Feldspars	Rock Fragments	Muscovite	Biotite	Chlorite	Volcanic Glass	Calcite	Amphibole	Pyroxene	Zeolite	Clay	Opauques	Iron Oxides	Pyrite	Zircon	Apatite	Sphene	Other	Foraminifers	Nannofossils	Diatoms	Radiolarians	Sponge Spicules	Bioclasts	Plant Debris			
B	42	2	34	388.04	D	0	35	65	C	C			R		T	R			A	T									T								
B	42	2	36	388.06	M	5	85	15	A	C	R		R	T		C					M																
B	42	5	37	392.57	M	0	70	30	C	M			T		A				C	T									T								
B	42	5	50	392.70	D	5	35	60	A	M					C				A	T								T	M					T			
B	43	1	80	396.60	D	0	40	60	A	C	R					R			A																		
B	43	5	90	402.70	D	20	70	10	A	C	C			R	T	M			M	T														T			
B	44	1	30	405.70	D	0	20	80	C	M				T		R			D	T															T		
B	44	5	92	412.32	M	0	80	20	A	C	M		R	R	R	M			M	T																	
B	45	1	31	415.31	M	0	30	70	C	M					M	R			D																	M	
B	45	3	16	418.16	M	5	85	10	T					T					T									T	D							R	
B	46	1	120	425.80	D	0	60	40	C	C				T	R	M			A	R																	
B	47	1	50	434.70	M	0	30	70	M	M			T		D	T			A	T																T	
B	47	3	57	437.77	D	5	40	55	C	C	R			T	R	R			A	T																	
B	48	1	60	444.50	D	0	40	60	C	C				M	R	R			A	T																	
B	48	3	70	447.60	M	0	90	10	R						M				R																		
B	49	4	82	458.82	M	0	90	10	R						C				R																		
B	49	5	52	460.02	D	0	40	60	C	C	R		T	R		M			A	T																	
B	49	5	65	460.15	D	0	30	70	C	C				T	T	R			A	T																	
B	49	7	12	462.62	M	60	30	10	A	C	R		T	T		C			R	R																	
B	50	1	50	463.50	D	0	40	60	A	C				R	T	R			A	T																	
B	50	1	131	464.31	D	0	30	70	A	M				R		R			A	T																	
B	50	3	90	466.90	M	30	50	20	A	C	M		R	T	T	M			M	T																	
B	50	4	54	468.04	M	0	90	10	R	T					M	T												T	D								
B	50	5	27	469.27	D	10	50	40	C	C	R				T	M			A	T																	
B	51	1	29	472.89	D	5	40	55	C	C			T			M			A	T																	
B	51	2	86	474.96	D	5	65	30	A	C	R	T	T	T	R	R	T		A	R																	
B	51	4	51	477.61	M	0	60	40	R					T	D	R			M																		

Site 1027																																					
Sample				Depth (mbsf)	Texture			Mineral Constituents																Biogenic Constituents													
Hole	Core	Section	Interval		Lithology	Sand	Silt	Clay	Quartz	Feldspars	Rock Fragments	Muscovite	Biotite	Chlorite	Volcanic Glass	Calcite	Amphibole	Pyroxene	Zeolite	Clay	Opauques	Iron Oxides	Pyrite	Zircon	Apatite	Sphene	Other	Foraminifers	Nannofossils	Diatoms	Radiolarians	Sponge Spicules	Bioclasts	Plant Debris			
B	51	5	122	479.82	D	10	80	10	A	A		T	R	R		T		T		M	R	T															
B	52	1	78	482.98	M	0	30	70	R	R	R			T		A				A	T							T	T								
B	52	1	80	483.00	M	0	40	60	T	T	T				T			T	A	T										D							
B	52	5	122	489.42	D	0	70	30	D	M			T		R	M	T		A	R							T		T								
B	53	1	96	492.66	D	0	65	35	A	C					R	M	T		C	R																	
B	53	2	24	493.44	D	15	75	10	A	C		T	M	T		R	R	T		C	M					T			C								
B	53	4	147	497.67	D	15	50	35	A	C	M		T		R			M	A	T								M									
B	53	5	15	497.85	M	0	40	60	R	R					D	T		R	A	T							T	M									
B	53	5	147	499.17	M	0	55	45	T	R			T		A			C	A	R															T		
B	54	1	12	501.42	M	10	30	60	A	C			T		T	R			A	T																	
B	54	1	106	502.36	D	0	40	60	A	C			T	T	T	R			A	T									T	T							
B	54	2	77	503.57	D	0	30	70	C	M				T	T	R			D	T									T	T							
B	54	4	117	506.97	D	0	40	60	C	M			T	R	T	R			D	T									T								
B	54	5	14	507.44	M	20	30	50	A	C			R		T	M			C	T									T								
B	54	5	27	507.57	M	10	40	50	A	M			T			M			C	C									T	T							
B	54	5	83	508.13	M	0	80	20	R						D				M										T								
B	54	6	25	509.05	D	5	35	60	A	C	R			T	T	R			C	R									T								
B	54	7	12	510.42	D	0	30	70	C	M					T				D										T								
B	55	1	99	511.99	M	0	30	70	C	C					T	R			A										T								
B	55	2	9	512.59	M	0	70	30	R						D	T																					
B	56	1	125	521.85	D	0	35	65	C	C	M	T		T	T	R			A	T									T								
B	56	2	137	523.47	M	0	90	10							A														D					T			
B	57	1	50	530.80	D	0	30	70	C	M				R	T	R			D	T																	
B	58	1	90	540.80	D	5	35	60	A	C				T	R				A	R									T								
B	58	4	90	545.30	D	0	10	90	C						T	T			D																		
B	59	1	99	550.49	D	10	30	60	C	C					T	M			A	T									T								
B	59	1	105	550.55	M	5	85	10	C	M						M			R	D																	

Site 1027																																			
Sample				Depth (mbsf)	Texture				Mineral Constituents															Biogenic Constituents											
Hole	Core	Section	Interval		Lithology	Sand	Silt	Clay	Quartz	Feldspars	Rock Fragments	Muscovite	Biotite	Chlorite	Volcanic Glass	Calcite	Amphibole	Pyroxene	Zeolite	Clay	Opauques	Iron Oxides	Pyrite	Zircon	Apatite	Sphene	Other	Foraminifers	Nannofossils	Diatoms	Radiolarians	Sponge Spicules	Bioclasts	Plant Debris	
B	59	2	143	552.43	M	40	60	0	A	C	C		R			M				T														T	
B	59	4	85	554.85	D	5	45	50	C	M					T	R				C	A														
B	59	5	118	556.68	D	0	30	70	A	C						T				D	T														
B	60	3	62	562.72	D	0	30	70	C	M					R	T				D	T												T		
B	60	CC	30	568.86	M	10	70	20	C	C					D																				
B	61	CC	7	568.37	D	0	30	70	C	C					T	R				D															
B	62	CC	19	572.99	M	0	90	10	R						M																		D		
B	62	CC	30	573.10	D	0	30	70	C	C			T			R		T	A	R												R			
B	62	CC	32	573.12	M	0	30	70	C	C					T	T		A	A																
B	62	CC	33	573.13	M	0	70	30							R																		D		
B	62	CC	35	573.15	M	0	60	40	R						R																	D			
B	36	4	10	333.00	D	0	40	60	C	C						T			A	T							Ru				T			T	
C	2	1	20	594.60	D	0	70	30	A	C	T	R	R	R	R	R		R	A												R			T	
C	2	7	44	602.90	M	O	30	70							R			T	R													D			
C	2	7	140	603.86	M	0	20	80	R				T			C	T			M	R											D			
C	3	1	25	604.35	M	0	30	70	T							C	T			R	R								T		D				
C	3	1	44	604.54	M	0	80	20								M				M	R											D			
C	3	2	14	605.24	M	0	10	90				T				M				D	T								T		C				
C	3	2	62	605.72	D	15	75	10	D	M	M	R	T			R				R		T		T											
C	3	2	90	606.00	D	0	30	70	M	M		T				C				D	T											R			

Note: See Site 1023 for key to abbreviations.

Site 1028

Sample				Depth (mbsf)	Lithology	Texture			Mineral Constituents																Biogenic Constituents									
Hole	Core	Section	Interval			Sand	Silt	Clay	Quartz	Feldspars	Rock Fragments	Muscovite	Biotite	Chlorite	Volcanic Glass	Calcite	Amphibole	Pyroxene	Zeolite	Clay	Opakes	Iron Oxides	Pyrite	Zircon	Apatite	Sphene	Other	Foraminifers	Nannofossils	Diatoms	Radiolarians	Sponge Spicules	Bioclasts	Plant Debris
A	1	1	101	1.01	D	0	40	60	A	M			T		R	R			A	T								T	R	T	T	T		
A	1	3	28	3.28	D	70	30	0	A	C	C			R		M												T				T		
A	2	2	53	5.73	D	0	40	60	A					R					D	T							T	M				T		
A	2	2	119	6.39	D	80	20	0	A	M	A					C				R						T						T		
A	3	1	113	14.33	D	0	40	60	A	M	T	M		R		R			A	T								R		T	T			
A	3	2	74	15.44	D	20	70	10	A	C	C		R			T	M				T						T	T	T		T			
A	3	2	90	15.60	D	0	30	70	C	C	R			M		R	M			A								T	T					
A	3	4	30	18.00	D	0	30	70	A	C	M		T	R					A	T								M	T		T	T		
A	3	4	51	18.21	D	0	90	10	D	C	M		R	T		R	C											T			T	T		
A	3	5	69	19.89	M	5	50	45	A	C				R		T	R			A	T								R	R	T	T	R	
A	3	6	79	21.49	D	5	30	65	A	M										D	T						T	R	T		T	T		
A	4	1	62	23.32	D	5	30	65	A	M						T	R			D	T							T						
A	4	1	70	23.40	D	10	90	0	A	C	C	T	R				M											T						
A	4	1	130	24.00	M	20	80	0	A	C	M					M										T								
A	4	3	136	27.06	D	0	20	80	A	M						T	R			D	T						T	T	T		T	T		
A	4	4	26	27.46	D	0	40	60	A	M		T		R			R			D	T						T	T	R	T	T	T		
A	4	6	17	30.37	D	0	20	80	C	C						R	R			D	T							T	T	T	T	T		
A	5	1	46	32.66	M	10	30	60	C										A	T							R	D				M		
A	5	1	106	33.26	D	70	30	0	A	C	C		R			T	M				T							T			T			
A	5	4	51	37.21	M	5	20	75	C											D	T						R	A	T			R		
A	6	2	75	43.95	D	0	30	70	A	M										D								R					T	
A	6	2	127	44.47	M	0	90	10	M							D																		
A	6	5	53	48.23	D	90	10	0	D	C	C		T	T			T	M															T	
A	6	5	105	48.75	M	30	30	40	A	C	C		T				M			A	T						T	T			T			
A	6	6	119	50.39	M	40	30	30	A	C	C		T	T				C			C	R						T			T	T		
A	6	7	45	51.15	D	0	30	70	C							M	R			D	T												T	
A	7	1	61	51.81	D	10	80	10	D	C	C		T							R	T							T						
A	7	3	12	54.32	M	5	95	0	C	M						D	R																	

Site 1028

Sample				Depth (mbsf)	Lithology	Texture			Mineral Constituents																Biogenic Constituents									
Hole	Core	Section	Interval			Sand	Silt	Clay	Quartz	Feldspars	Rock Fragments	Muscovite	Biotite	Chlorite	Volcanic Glass	Calcite	Amphibole	Pyroxene	Zeolite	Clay	Opauques	Iron Oxides	Pyrite	Zircon	Apatite	Sphene	Other	Foraminifers	Nannofossils	Diatoms	Radiolarians	Sponge Spicules	Bioclasts	Plant Debris
A	7	4	54.5	56.25	D	5	95	0	D	C	C		R						T															
A	8	1	72	61.42	D	50	20	30	D	C	M		T	T					C	T													T	
A	8	1	100	61.70	D	0	20	80	C	M					R	R			D	T							T	M			T	T		
A	8	3	95	64.65	M	5	45	50	M						R	T			C								T	D				T		
A	8	4	95	66.15	D	5	95	0	D	C	C		T							R												T		
A	8	5	11	66.81	D	5	95	0	A	C	C		T	T						R														
A	8	6	120	69.40	D	20	80	0	A	C	C		T	T						R														
A	8	6	128	69.48	M	5	90	5	C	R					D	R																		
A	9	3	33	73.53	M	30	30	40	D	C	C		T	R						C													T	
A	9	3	57	73.77	D	0	40	60	A	C	M			R						A	T												T	
A	9	4	58	75.28	D	60	40	0	A	C	C		T												T									
A	10	4	63	84.83	D	5	30	65	C	M				M	M					D	T						T	R					T	
A	10	6	85	88.05	D	10	40	50	A	C	M		R	T						A	T												T	
A	11	5	75	95.95	D	5	95	0	D	C			R																					
A	11	6	81	97.51	M	5	20	75	R											T							R	D					M	
A	12	3	59	102.29	M	15	30	55	C					M						A	T						M	M					C	
A	12	7	26	107.96	D	70	30	0	A	C	C		T							C														
A	13	1	100	109.20	D	5	20	75	C						M	T				D	R						T	T					R	
A	13	5	103	115.23	M	10	15	75	M											R							R	D					M	
A	15	3	60	127.40	D	5	25	70	C	M			T							D	R												T	
A	15	5	140	131.20	M	30	20	50	C	C										A	T													
A	15	6	57	131.87	M	0	70	30	T																									M
A	15	6	80	132.10	M	0	90	10	R																									T
A	15	6	115	132.45	M	0	90	10	R						D																			

Note: See Site 1023 for key to abbreviations.

Site 1029

Sample				Depth (mbsf)	Lithology	Texture			Mineral Constituents																Biogenic Constituents								
Hole	Core	Section	Interval			Sand	Silt	Clay	Quartz	Feldspars	Rock Fragments	Muscovite	Biotite	Chlorite	Volcanic Glass	Calcite	Amphibole	Pyroxene	Zeolite	Clay	Opagues	Iron Oxides	Pyrite	Zircon	Apatite	Sphene	Other	Foraminifers	Nannofossils	Diatoms	Radiolarians	Sponge Spicules	Bioclasts
A	1	1	26	0.26	D	5	40	55	C	R			T						A								T	D	M	R	M	R	
A	1	1	69	0.69	D	5	50	45	D	C	R		M		R	M			A								R	R	T	T	T	T	T
A	1	1	140	1.40	D	40	60	0	D	C	M		R	R				T								T	T	T			T		
A	1	2	70	2.20	D	0	30	70	C	M			R		M	R			D	T						T	R	T	T	R	T	T	
A	2	1	30	4.80	D	60	40	0	D	C	C		T	R	M				T									T			T		
A	2	1	135	5.85	D	0	20	80	C				R		R	R			D	T							M	T			T	T	
A	2	2	46	6.46	D	5	40	55	A	C	R		T	R				M	R		A	T				T		T			T		
A	3	3	50	17.50	D	5	30	65	A	C			R		M	R			A	T						R	M	R	T	T	T		
A	3	3	75	17.75	D	0	30	70	A	M			T	T				M	R		D	T				T	M	T		T	T		
A	4	1	135	24.85	D	10	30	60	A	C	M			M				T	R		A	T				T	T	T	T	T	T		
A	4	3	42	26.92	D	10	90	0	D	C	C							R	M		R										T		
A	4	5	75	30.25	D	0	20	80	C	M								R		D	T					T	T	R		R	T		
A	5	3	52	36.52	M	0	50	50	D	C				R		M	R		A	R							T	M	T	M	T	T	
A	5	5	61	39.61	M	40	40	20	A	C	A			R		R	M		M	M						T	T	T		T			
A	6	4	35	47.35	D	0	30	70	A	M				R		R	M		D							T	T	T		T			
A	6	5	55	50.55	D	60	40	0	D	C	C		T					T	M		M												
A	7	3	78	55.78	D	0	40	60	A	C			T	R					R		A						T						
A	7	4	107	57.57	D	80	20	0	D	C	C		T	T				T	C		R												
A	8	2	15	63.15	D	5	20	75	C	M				T				R	T		D	T					T	T	T	T	T		
A	8	5	35	67.85	D	50	30	20	A	C	C		T	T					C		C	M					T		T				
A	9	5	27	77.27	M	70	30	0	A	A	M		T					R	M			C											
A	9	6	130	79.80	M	5	75	25	C	R				R				T	R		R	T				R	D	T			T		
A	10	2	106	83.06	D	70	20	10	A	C	C		T	R					M			R					T	T					
A	10	3	34	83.84	D	0	40	60	A	M				T					R		D	T					T			T	T		
A	11	2	75	92.25	D	90	10	0	A	C	A			R					R			T									T		
A	11	3	88	93.88	D	30	70	0	C	R				M						R		D	T				T			T	T		
A	12	5	47	105.97	D	0	60	40	A	C				T	M				T	M		A	T				T	M	T	T	T		
A	12	6	64	107.64	D	20	80	0	D	A	M			T	T					C			T										
A	13	1	36	109.36	D	5	25	70	C	C				M					R	M		D	T				T	T				T	

Site 1029

Sample				Depth (mbsf)	Lithology	Texture			Mineral Constituents																Biogenic Constituents																
Hole	Core	Section	Interval			Sand	Silt	Clay	Quartz	Feldspars	Rock Fragments	Muscovite	Biotite	Chlorite	Volcanic Glass	Calcite	Amphibole	Pyroxene	Zeolite	Clay	Opagues	Iron Oxides	Pyrite	Zircon	Apatite	Sphene	Other	Foraminifers	Nannofossils	Diatoms	Radiolarians	Sponge Spicules	Bioclasts	Plant Debris							
A	13	1	56	109.56	D	70	30	0	A	C	A	T	T	R		T	M				T																				
A	13	2	80	111.30	D	5	30	65	A	C			T	T					D	T													T								
A	14	1	70	115.60	D	0	40	60	A	M		T		M		T	M			D													T								
A	14	3	60	118.50	M	5	80	15	D	C	M		T	R		T	M			R	C													R							
A	14	4	17	119.57	M	5	50	45	M	R				M		M	R			C							T	D						R							
A	15	1	87	121.67	D	20	80	0	A	C	A		R	R		T	M				T														T						
A	16	3	60	134.00	D	5	40	55	A	C	R		R	C					A																T						
A	16	4	90	135.80	D	5	80	15	A	C	M		R	T		M	C				T														T						
A	17	1	78	140.78	M	0	50	50	C	M				R		A	R			A	T															R					
A	17	1	87	140.87	D	15	85	0	A	C	C	R	R	R		M	M				R																				
A	17	6	56	148.06	M	10	70	20	M	R				R						C	T															R					
A	18	1	58	150.18	D	0	30	70	C	C				R		R	M			D	T															T					
A	18	2	58	151.68	M	10	70	20	A	C	A		T	R		R	C			M	M																T	R			
A	18	6	120	158.30	M	0	40	60	A	M				M		C	R			A	T																R				
A	19	1	97	160.17	M	10	90	0	D	C	C		T	T		M	M				C																T	T			
A	19	2	23	160.93	D	0	20	80	C	C				R		M	R			D	T																T	T			
A	20	1	50	169.30	M	0	40	60	C	M				R		D	R			C																		A			
A	20	3	66	172.46	D	10	80	10	A	C	A		T	T						R	T																	T			
A	20	5	134	176.14	D	20	80	0	D	C	C		T	T							T																	T			
A	21	1	17	178.57	D	30	60	10	A	C	A		M	R						R	R																	T	T		
A	21	3	45	181.85	M	5	70	25	C	M				M		C	R			M	T																	R	D		
A	22	1	8	188.08	D	5	70	25	D	C	C		R	R						M	R																		T		
A	22	3	79	191.79	D	5	30	65	A	C	M			R		T	R			D	T																		R		
A	23	5	76	204.36	D	5	20	75	C	M				R	R		T	R			D	T																	T		
A	24	6	62	215.32	D	30	50	20	A	C	C		R	M						C	R																		T		
A	24	CC	25	216.90	M	0	70	30	C												C																		D		
A	25	1	57	217.37	D	0	30	70	M	M				R		M	R			D	T																			R	
A	25	3	13	219.93	M	20	50	30	M							D	T			A	T																			C	

Note: See Site 1023 for key to abbreviations.

Site 1030

Sample				Depth (mbsf)	Lithology	Texture			Mineral Constituents																Biogenic Constituents								
Hole	Core	Section	Interval			Sand	Silt	Clay	Quartz	Feldspars	Rock Fragments	Muscovite	Biotite	Chlorite	Volcanic Glass	Calcite	Amphibole	Pyroxene	Zeolite	Clay	Opagues	Iron Oxides	Pyrite	Zircon	Apatite	Sphene	Other	Foraminifers	Nannofossils	Diatoms	Radiolarians	Sponge Spicules	Bioclasts
B	1	1	12	0.12	D	5	20	75	C	C			T		T	M			D								R	M	T	T	T	R	
B	1	1	38	0.38	D	5	30	60	A	M			T		R			D									T	T	T		T	R	T
B	1	2	76	2.26	D	60	40	0	D	C	C		T		R	M				C								T					
B	2	1	23	4.23	D	0	30	70	A	C			M		R	R			D	R								T				T	
B	2	5	86	10.86	D	40	60	0	A	C	C		T	T	R	C				T								T		T			
B	2	6	28	11.78	D	15	30	55	C	C		T	T	R		M			D	T							R	M	T	T	T	C	
B	2	7	20	13.20	D	5	40	55	M	M			M		R				A	T							M	D	M	T	R	M	
B	3	1	79	14.29	D	10	40	50	A	C			T		T	R			D									T	T			T	
B	3	1	104	14.54	D	5	40	55	A	C				M		R			A								T	R		R		T	
B	3	2	104	16.04	D	10	20	70	C	C			T		M	R			D								T	R				M	
B	3	5	22	19.72	D	5	20	75	C	M			M		R	R			A	T							R	C	M	T	R	R	
B	3	5	72	20.22	D	5	20	75	C	M			T	R		R			D	R								T	T		T	T	
B	3	6	130	22.30	D	0	20	80	M	M			M		R	R			D	T								T	T		T	R	
B	4	1	26	23.26	D	10	30	60	C	M			R		R	R			D								R	M	T	T	T	R	
B	4	4	128	28.78	M	5	60	35	M	R			R		C	R			C								M	D				M	
B	4	5	23	29.23	M	5	70	25	C	R					R				C								M	D				M	
B	4	7	30	32.30	D	0	20	80	C	M			R		R				D	T							T	C				R	
B	5	2	112	35.12	M	10	20	70	M				R		M	R			C	T							T	D				T	
B	5	2	60	34.60	M	5	20	75	M	R					M	R			M	T							T	D				T	
B	5	3	3	35.53	D	0	20	80	C	M			R		M	M			D	T								M					
B	5	5	101	39.51	M	30	20	50							M												A	D				M	
B	5	7	15	41.65	D	5	10	85	M	R			T		M	R			D									R				T	
B	6	CC	6	41.06	D	0	20	80	M	R			R		M	T			D	T							T	R				T	
B	6	CC	10	41.10	D	0	20	80	C	M			T		R	R			D	T							T	T				T	

Note: See Site 1023 for key to abbreviations.

Site 1031

Sample				Depth (mbsf)	Lithology	Texture			Mineral Constituents														Biogenic Constituents											
Hole	Core	Section	Interval			Sand	Silt	Clay	Quartz	Feldspars	Rock Fragments	Muscovite	Biotite	Chlorite	Volcanic Glass	Calcite	Amphibole	Pyroxene	Zeolite	Clay	Opales	Iron Oxides	Pyrite	Zircon	Apatite	Sphene	Other	Foraminifers	Nannofossils	Diatoms	Radiolarians	Sponge Spicules	Bioclasts	Plant Debris
A	1	1	50	0.50	D	5	20	75	C	M			M		R	R			D								T	C	R	T	T	R		
A	1	3	81	3.81	D	0	20	80	C	M			R		R	R			D	T								R	T			T		
A	1	3	96	3.96	D	0	20	80	M	M			T		R	R			D	T								R	T			T		
A	2	1	50	9.30	D	0	20	80	M	M			T		T	R			D	T								R	T	T				
A	2	2	85	11.15	M	5	70	25	R	T			T			T			M	T							R	D				R		
A	2	3	140	13.20	D	40	30	30	A	C	C		R	R					T									R						
A	2	5	80	15.60	D	0	40	60	C	M			R			R			A	T							R	C			T	R		
A	3	2	98	20.78	D	5	35	60	C	M			M			R			D	T							T	M				R		
A	3	3	104	22.34	D	5	35	60	M	M			R		R	R			C	T							R	D				M		
A	3	3	124	22.54	D	10	30	60	M	R			R			R			C	T							M	D				C		
A	4	1	100	28.80	D	5	30	65	C	C			R		C	R			D	T							R	M				M		
A	4	4	87	33.17	M	5	65	35	M	M			R		M	R			D	C							T	T				T		
A	4	4	118	33.48	D	20	40	40	T						M				M								C	D				C		
A	4	6	40	35.70	D	5	30	65	C	R			R			R			D								T	C				T		
A	5	3	11	40.41	M	0	20	80	M				R			M			D									M				T		
A	5	3	26	40.56	M	0	60	40							D				C									C						
A	5	3	37	40.67	M	40	30	30	C	M			A			R			A	T														

Note: See Site 1023 for key to abbreviations.

Site 1032

Sample				Depth (mbsf)	Lithology	Texture			Mineral Constituents																Biogenic Constituents									
Hole	Core	Section	Interval			Sand	Silt	Clay	Quartz	Feldspars	Rock Fragments	Muscovite	Biotite	Chlorite	Volcanic Glass	Calcite	Amphibole	Pyroxene	Zeolite	Clay	Opauques	Iron Oxides	Pyrite	Zircon	Apatite	Sphene	Other	Foraminifers	Nannofossils	Diatoms	Radiolarians	Sponge Spicules	Bioclasts	Plant Debris
A	1	1	19	184.69	D	5	30	65	A	C			R	M					D										T					
A	2	1	47	194.57	D	5	70	25	A	C			R	R		R	C			C	T							T	M				T	
A	2	1	102	195.12	M	40	60	0	A	A	M	M	R			T	C			R								T	T					
A	3	1	59	204.29	M	15	50	35	D	C	M		M	R					M	R							T	T						
A	3	1	83	204.53	D	0	30	70	C	M			R	R					M									T					T	
A	3	1	130	205.00	M	5	95	0	M							D	T																	
A	5	3	80	226.70	M	0	30	70	C	M									R									A				T		
A	5	3	119	227.09	M	10	60	30	M	R									R								T	D				C		
A	5	4	98	228.38	M	20	60	20	D	C	R		M	R		R	M			M	T						T	T				T		
A	5	4	102	228.42	M	5	60	35	C	M									R								R	D				R		
A	6	1	30	232.80	M	20	80	0	R										T								R	D				M		
A	6	3	35	235.85	M	15	60	25	D	C	R		R			T	M			M	R							T				T		
A	7	1	55	242.65	M	20	50	30	D	C	R		R	R		T	M			C	T							T				T		
A	7	2	92	244.52	M	5	35	60	M	T						M				M							R	D				M		
A	8	1	90	252.60	M	0	30	70	M	R						C	R			C	T							D				T		
A	8	3	21	254.91	M	40	20	40	A	C	M		R	R					M		A	R						T						
A	9	CC	7	261.47	D	0	20	80	C	M						T	M			D								T				T		
A	10	1	135	272.35	M	10	70	20	D	C			R	R		T	M			C	T						T	T						
A	10	4	63	276.13	D	10	30	60	A	C			T	R		R	M			A	T						T	C				T		
A	11	1	39	280.99	D	0	30	70	A	C	R		R	R		T	M			A	T							R						
A	11	2	31	282.41	M	0	70	30	T							R	T											D				T		
A	11	4	56	285.66	D	0	20	80	M	R				T		R	R											T						
A	11	CC	2	285.69	D	0	10	90	M	R									R									T						

Note: See Site 1023 for key to abbreviations.