

**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		

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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	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					
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			T	R		D							T		T						
A	7	5	89	63.69	D	75	15	10	A	M	C		R				T	M			R									T					
A	7	7	37	66.17	D	10	40	50	A			R		R			M		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		T	M	T	A	T	T								T	T			T		
A	10	1	75	86.05	D	5	70	25	A	T			T	T		T	M		A	R								T							
A	10	1	78	86.08	D	0	25	75	A	T		T	R	R		T	R	T	A																
A	10	2	110	87.90	D	10	90	0	D	C	T		R	R		M		T	T																
A	10	7	26	94.56	D	0	40	60	M	T			T	T		A	R		D	T												T			
A	10	7	46	94.76	D	0	25	75	C	T			T	T		T	T	T	D	T								T	T	T		R			

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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	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													T					
A	12	4	50	109.30	D	5	20	75	A		T	R		R					A													T		T					
A	12	4	100	109.80	D	60	30	10	A	C	M	M							T																T				
A	13	2	40	115.70	D	5	15	80	C			R		M		R			A														R	T	T	T			
A	13	2	60	115.90	D	5	20	75	A			R	T			R	R		A	T												R		T	T	T			
A	13	2	94	116.24	D	0	15	85	C			R		R				T		D				T										T					
A	13	4	54	118.84	D	5	25	70	C			R		R		T	T		A									R	M	T	T	T	T	R					
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															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															T			
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																T		
A	16	2	72	134.92	D	15	30	55	A	M		R	T	M					M		A	T															R		
A	16	2	111	135.31	D	0	30	70	A				R	T		M	R			A	M																T		
A	17	6	45	150.25	M	0	10	90	R			T	T	T		R	R			D	T																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																T		
A	19	4	91	167.01	D	0	80	20	A	T		T	T			T	R			R	R																	R	
A	19	4	110	167.20	D	5	90	5	D	T	T		R	T		R	R			R	R																		

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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	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											T														

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