Leg: 159 Site: 959

Sample			Texture data			Mineral																							
Hole, core, section, location (cm)	Depth	Lithology	Sand	Silt	Clay	Accessory Minerals	Barite	Biotite	Calcite	Chalcedony	Clay	Dolomite	Feldspar	Glauconite	Gypsum	Heavy Minerals	Inorganic Calcite	Kaolinite	Mica	Opal Or Opaline Fragments	Opaques	Oxides	Palygorskite	Phosphate	Pyrite	Quartz	Rutile	Siderite	Sulfide
A-1-01, 20	.20	D	60	30	10						10															1			
1-01, 86	.86	D	20	70	10						10															3			
1-03, 95	3.95	D	5	90	5						5															1			
1-05, 104	7.04	M	65	30	5						5	*		3												1			
1-CC, 12	8.94	D	55	35	10									1												2			
2-01, 62	9.72	D	5	80	15	*					15			*					*		1					*			
2-02, 46	11.06	D	25	65	10						10	*		*												4			
2-02, 120	11.80	M	30	65	5						5														*	1			
2-06, 26	16.86	D	10	30	60							3		5											2				
3-01, 109	19.69	D	5	45	5									*															
3-01, 134	19.94	M	10	70	20									1											1				
3-04, 52	23.62	D	55	35	10																				1				
4-01, 112	29.22	D	15	75	10									*											*				
4-03, 80	31.90	D	30	55	15																				*				
4-03, 141	32.51	M	2	65	33																				40				
4-05, 127	35.37	M	40	50	10																				5	2			
4-07, 58	37.68	D	10	75	15																				1				
5-01, 105	38.65	D	10	60	30																				1	*			
5-01, 130	38.90	D	20	50	30																				1	1			
5-02, 122	40.32	D	10	60	30																				1				
6-01, 105	48.15	D	10	60	30																								
6-03, 130	51.40	D	20	50	30																					*			
7-02, 80	58.90	D	20	45	35																				2				
7-05, 6	62.66	D	5	10	85																								
7-07, 13	65.73	M	20	40	40																				60				
8-01, 60	66.70	D	5	75	20																								
8-03, 90	70.00	D	10	80	10																				*				
8-04, 3	70.63	M	5	60	45																					*			
8-07, 40	75.50	M	5	65	30									*											*				
9-02, 70	77.80	D	5	92	3						3			*											1	*			
9-02, 81	77.91	M	20	75	5						5			15											*	*			
9-03, 55	79.15	D	5	92	3						3			*											*	*			
10-02, 133	87.93	D	5	20	75																					5			
10-03, 32	88.42	M	75	5	20						5			30												5			
10-05, 94	92.04	D	10	20	70						0			0												8			
10-06, 83	93.43	M	45	5	50																					5			
11-01, 98	95.58	D	0	20	80									5															
11-02, 121	97.31	D	0	20	80									5															
11-04, 25	99.35	M	0	30	70							5		3															
11-06, 68	102.78	M	0	20	80									3											5				
12-02, 100	106.60	D	2	10	88							*														2			
12-05, 3	110.13	M	1	9	90							*	*						1							5			
13-02, 36	115.46	D	3	20	77							*		3											3	*			
13-02, 37	115.47	D	5	15	80									*											1				
13-02, 38	115.48	D	0	10	90																				1	*			
14-05, 42	129.52	M	0	90	10						10																	70	
15-02, 103	135.13	D	5	15	80														*							*			
15-03, 28	135.88	M	0	20	80									5					5										
15-05, 136	139.96	M	5	20	75							*							*							*			
16-01, 110	143.20	D	5	60	35																								
16-02, 111	144.71	M	2	30	68									10															
16-05, 56	148.66	M	0	10	90									*												*			
16-06, 27	149.87	M	2	25	73									5												*			

Smear-slide summary (%)
M=minor lithology
D=dominant lithology
*=trace

Leg: 159	Site: 959																																		
Sample			Mineral				Biogenic																Rock												
Hole, core, section, location (cm)	Depth	Lithology	Tourmaline	Volcanic Glass	Zeolite	Zircon	Algae	Bryozoa	Diatoms	Discoaster	Echinoid	Fish Remains	Foraminifers	Nannofossils	Plant Debris	Radiolarians	Red Algae	Siliceous Sponge Spicules	Silicoflagellates	Sponge Spicules	Bioclasts	Cement	Intraclasts	Micrite	Organic Debris	Organic Matter	Pellets	Peloids	Rock Fragment	Spar Cement					
A-1-01, 20	.20	D							*				60	27		1		1	*																
1-01, 86	.86	D							*				20	67	*	*		*																	
1-03, 95	3.95	D											5	89																					
1-05, 104	7.04	M							*			*	62	29	*	*		*																	
1-CC, 12	8.94	D											64	30	1			2	*																
2-01, 62	9.72	D											5	77	1	*			*	1															
2-02, 46	11.06	D		*									20	65		*				1															
2-02, 120	11.80	M											30	64		*																			
2-06, 26	16.86	D											20	70																					
3-01, 109	19.69	D											5	93	1			1	*																
3-01, 134	19.94	M							*				20	78				*																	
3-04, 52	23.62	D											60	39	*																				
4-01, 112	29.22	D											30	70				*																	
4-03, 80	31.90	D											60	40	*																				
4-03, 141	32.51	M											20	40																					
4-05, 127	35.37	M											62	31				*																	
4-07, 58	37.68	D											35	64	*																				
5-01, 105	38.65	D											25	73	*			2																	
5-01, 130	38.90	D											40	56				2																	
5-02, 122	40.32	D											35	61	*			2																	
6-01, 105	48.15	D											30	70																					
6-03, 130	51.40	D											40	60				*																	
7-02, 80	58.90	D											60	38	*																				
7-05, 6	62.66	D											10	90		*																			
7-07, 13	65.73	M											5	35																					
8-01, 60	66.70	D											10	90					*																
8-03, 90	70.00	D											20	80																					
8-04, 3	70.63	M											5	95					*																
8-07, 40	75.50	M											5	95					*																
9-02, 70	77.80	D										*	5	91																					
9-02, 81	77.91	M											5	75																					
9-03, 55	79.15	D											5	92																					
10-02, 133	87.93	D											5	90																					
10-03, 32	88.42	M											15	45																					
10-05, 94	92.04	D											10	80				1	1																
10-06, 83	93.43	M											5	50																					
11-01, 98	95.58	D											5	90																					
11-02, 121	97.31	D											5	90																					
11-04, 25	99.35	M											2	90																					
11-06, 68	102.78	M											2	90																					
12-02, 100	106.60	D											2	96					*																
12-05, 3	110.13	M											2	92				*																	
13-02, 36	115.46	D											3	91																					
13-02, 37	115.47	D											5	92																					
13-02, 38	115.48	D											1	98																					
14-05, 42	129.52	M												20																					
15-02, 103	135.13	D											10	90																					
15-03, 28	135.88	M												90																					
15-05, 136	139.96	M											20	80																					
16-01, 110	143.20	D											80	80		*																			
16-02, 111	144.71	M											*	90	*																				
16-05, 56	148.66	M											*	100																					
16-06, 27	149.87	M											5	90				*																	

Leg: 159 Site: 959

Sample			Texture data			Mineral																							
Hole, core, section, location (cm)	Depth	Lithology	Sand	Silt	Clay	Accessory Minerals	Barite	Biotite	Calcite	Chalcedony	Clay	Dolomite	Feldspar	Glauconite	Gypsum	Heavy Minerals	Inorganic Calcite	Kaolinite	Mica	Opal Or Opaline Fragments	Opaques	Oxides	Palygorskite	Phosphate	Pyrite	Quartz	Rutile	Siderite	Sulfide
16-06, 70	150.30	M	5	30	65									7												1			
17-01, 74	152.34	D	1	10	89							2																	
17-01, 87	152.47	M	5	60	35							5																	
17-02, 10	153.20	M	10	60	30							2							*						1				
17-02, 120	154.30	D	5	55	40							2													1				
17-05, 5	157.65	D	0	90	10						10										*							1	
17-05, 66	158.26	M	2	40	58							1													1				
18-01, 85	161.95	M	0	40	60						15	10																	
18-01, 124	162.34	D	10	20	70																								
18-01, 141	162.51	M	0	30	70			*			50	1							5					*	*	5			
18-03, 22	164.32	M	0	30	70						10	5							5										
18-03, 75	164.85	D	5	55	40				1		16	2		*												1			
18-04, 126	166.86	D	0	40	60														2										
19-01, 122	171.82	D	0	40	60						15								3										
19-03, 24	173.84	M	0	20	80			*			87								10						3				
19-04, 140	176.50	M	30	50	20						10								5				2	*					
20-01, 87	180.97	M	0	20	80			*			75														1			2	
20-04, 82	185.42	D	10	30	60						20	5		25															
20-04, 82	185.42	M	30	10	60						40			30															
21-04, 61	194.21	M	10	30	60						30	3		17															
22-03, 54	202.14	D	5	20	75						40								*										
22-04, 83	203.93	M	5	24	70						35	5																	
22-07, 57	207.67	M									15			65					0										
23-02, 4	209.14	M	20	40	40						25														5				
23-03, 72	211.32	D	10	30	60						40								3										
23-04, 95	213.05	M	10	50	40						35	1							2										
24-02, 62	218.72	M	15	65	20						5														5				
24-03, 86	220.46	M	5	80	15						10			5										*					
24-05, 108	223.68	M	10	45	45						40	5												*					
25-01, 78	226.58	M	5	35	60						35	*		*										*					
25-02, 22	227.52	D	2	15	83						30	2												*					
25-03, 138	230.18	D	10	55	35						12	*							*					*	*				
25-07, 19	234.99	M	1	60	39																				*	*			
25-07, 35	235.15	D	30	50	20						*			*										*	3	1			
26-02, 54	237.54	D	20	50	30						5	*							1						*				
26-03, 56	239.06	D	10	40	50						2								2										
27-01, 88	245.98	D	60	30	10						5								1						*				
27-02, 77	247.37	D	50	40	10						5								5					*					
27-02, 148	248.08	M	15	65	20						1													*	5				
28-01, 56	255.36	D	5	75	20						15															*			
28-01, 118	255.98	D	5	35	60						30														*	*			
28-03, 14	257.94	M	5	35	60						20														*				
29-07, 22	273.62	M	0	50	50						40														2				
29-CC, 28	274.17	M																							10				
30-02, 117	276.67	D	10	50	40						30	*													*				
31-01, 63	284.33	M	10	10	80						70														*				
31-02, 67	285.87	D	10	30	60						45																		
31-05, 66	290.36	M	30	50	20						55														5				
32-05, 106	300.36	D	0	20	80						45																		
32-05, 108	300.38	D	0	10	90						20																		
33-01, 138	304.38	D	5	20	75						40		*	1															
34-01, 56	313.16	D	5	45	50						50			2															
34-04, 18	317.28	D	10	60	30						30			2															
34-04, 70	317.80	D	5	45	50						30			2	*										15				
35-01, 96	323.16	D	30	40	30						25			*					1					*	2	*			
35-01, 128	323.48	D	40	30	30						20				5				1					*	2				
36-01, 112	332.92	D	15	60	25						20			*	*				1						1				

Leg: 159 Site: 959

Sample			Mineral				Biogenic													Rock										
Hole, core, section, location (cm)	Depth	Lithology	Tourmaline	Volcanic Glass	Zeolite	Zircon	Algae	Bryozoa	Diatoms	Discoaster	Echinoid	Fish Remains	Foraminifers	Nannofossils	Plant Debris	Radiolarians	Red Algae	Siliceous Sponge Spicules	Silicoflagellates	Sponge Spicules	Bioclasts	Cement	Intraclasts	Micrite	Organic Debris	Organic Matter	Pellets	Peloids	Rock Fragment	Spar Cement
16-06, 70	150.30	M											8	84				*	*											
17-01, 74	152.34	D											5	93				*												
17-01, 87	152.47	M											5	90				*												
17-02, 10	153.20	M											7	89				1												
17-02, 120	154.30	D											5	91				1												
17-05, 5	157.65	D											*	89																
17-05, 66	158.26	M											5	93	*															
18-01, 85	161.95	M	*											75		*			*											
18-01, 124	162.34	D											5	95																
18-01, 141	162.51	M												34				*												
18-03, 22	164.32	M												80																
18-03, 75	164.85	D											5	75																
18-04, 126	166.86	D											5	93																
19-01, 122	171.82	D											2	80				*												
19-03, 24	173.84	M	*											*																
19-04, 140	176.50	M	*											53																
20-01, 87	180.97	M											1	15	1									5						
20-04, 82	185.42	D											10	40																
20-04, 82	185.42	M												30																
21-04, 61	194.21	M											10	40																
22-03, 54	202.14	D											5	50		2			*											
22-04, 83	203.93	M												35		20														
22-07, 57	207.67	M											0	15		2			2											
23-02, 4	209.14	M							30					15		20														
23-03, 72	211.32	D							3					40		10				2										
23-04, 95	213.05	M												35		25				2										
24-02, 62	218.72	M							53				10	15		5			2										5	
24-03, 86	220.46	M							35				*	40		2			3	5										
24-05, 108	223.68	M							5				10	30		*				2				8						
25-01, 78	226.58	M							30				1	20		1		4						9						
25-02, 22	227.52	D							15				5	40		1		2						5						
25-03, 138	230.18	D							80				*	2		1		*	*					5						
25-07, 19	234.99	M							32				1	39		1		2	*					25						
25-07, 35	235.15	D							72				*	3		*		1	1					5						
26-02, 54	237.54	D							50				*	42		1		*	1											
26-03, 56	239.06	D							10				5	36		15		*						30						
27-01, 88	245.98	D							25				5	25		19		*	*					20						
27-02, 77	247.37	D							5				20	40		10			*					15						
27-02, 148	248.08	M							65				*	15		7			*					2	5					
28-01, 56	255.36	D							*				10	70										*						
28-01, 118	255.98	D							55					5		10		*												
28-03, 14	257.94	M							60					5		10		*						5						
29-07, 22	273.62	M							50										8											
29-CC, 28	274.17	M							90																					
30-02, 117	276.67	D							25	3				40					*	2										
31-01, 63	284.33	M							15							7			3	5										
31-02, 67	285.87	D								10				45																
31-05, 66	290.36	M							20							10			*	10										
32-05, 106	300.36	D							*						10									45						
32-05, 108	300.38	D							15						5									60						
33-01, 138	304.38	D							15					40		2		1	1											
34-01, 56	313.16	D							22					10		10		5	*						1					
34-04, 18	317.28	D							55							10		2	1											
34-04, 70	317.80	D							60							8		2	1						2					
35-01, 96	323.16	D							54					3		5		10	*					*						
35-01, 128	323.48	D							42					5		5		20	*						*					
36-01, 112	332.92	D							23					5		40				10										

Leg: 159 Site: 959

Sample			Texture data			Mineral																							
Hole, core, section, location (cm)	Depth	Lithology	Sand	Silt	Clay	Accessory Minerals	Barite	Biotite	Calcite	Chalcedony	Clay	Dolomite	Feldspar	Glauconite	Gypsum	Heavy Minerals	Inorganic Calcite	Kaolinite	Mica	Opal Or Opaline Fragments	Opaques	Oxides	Palygorskite	Phosphate	Pyrite	Quartz	Rutile	Siderite	Sulfide
36-01, 117	332.97	D	0	35	65						35								*						*				
36-02, 80	334.10	M	0	30	70						70				*														
36-03, 36	335.16	D	5	30	65						60				*				*						*				
36-04, 90	337.20	M	0	40	60						42				*				1						2	*			
37-01, 70	342.20	D	5	30	65						35																		
37-02, 117	344.17	D	20	50	30						30														21				
37-03, 27	344.77	D	2	33	65						20														*				
37-06, 10	349.10	M	5	50	45						25														2				
38-01, 51	351.71	D	0	20	80						40																		
39-01, 86	361.66	D	10	30	60						10														2				
39-03, 45	364.25	M	30	30	40						25														3				
40-03, 32	373.82	D	10	30	60						10	*													*				
40-03, 73	374.23	D	5	35	60						5														*				
41-02, 101	382.71	D	10	30	60			*			10								*						*	*			
42-01, 34	390.14	D	1	9	90			*			77			1	1										10	*			
42-02, 58	391.88	D	15	45	40			*			34			10											5	1			
42-04, 27	394.57	D	5	45	50			*			24			6											5	1			
42-04, 102	395.32	D	5	20	75						51			6											2	*			
43-02, 90	401.60	D	10	50	40						20															4			
43-03, 57	402.77	D		60	40						30			2												8			
43-04, 67	404.37	D	2	28	70						40															3			
43-06, 96	407.66	D		40	60						50															10			
44-01, 21	408.71	D	20	30	50						50														5				
44-02, 134	411.34	D	10	40	50						50														1				
44-06, 110	417.10	M	10	45	45						40														*				
45-01, 70	418.80	D		65	35						30			3											10	7			
45-01, 131	419.41	D		50	50						50			4												5			
45-03, 101	422.11	D		45	55						40																		
45-05, 72	424.82	D		30	70						40			2												5			
46-01, 78	428.48	D	0	65	35						30			5											8	2			
46-02, 59	429.79	D	0	45	55			1			50			2											10	2			
46-04, 70	432.90	D	5	60	35						20			3											15	5			
46-04, 80	433.00	M	10	50	40						30			10											10	5			
46-07, 41	437.11	M	5	20	75						70			5											3	5			
47-01, 37	437.77	D	0	30	70						66			2											5	2			
47-01, 99	438.39	M	5	10	85						75								*						3				
48-CC, 27	447.41	D		10	90						95								*						3	2			
52-01, 42	480.32	M	0	20	80						75														10	5			
B-1-01, 43	.43	D	15	30	55			*	1		5										*					2			
1-01, 60	.60	M	20	30	50			1			5			*											*	2			
1-01, 93	.93	D	15	30	55			1			5										*					2			
2-01, 70	5.70	D	2	40	58			*			5			*					*						2	*			
2-02, 66	7.16	D	5	45	50				15		5			*					*						*				
2-03, 79	8.79	M	5	45	50			*	5		5			*												*			
2-06, 22	12.66	M	2	48	50				2		5								*						3	*			
3-02, 15	16.15	D	1	39	60				15		5										*				2	*			
3-04, 99	19.99	D	5	20	75				5		10																		
4-03, 69	27.69	D	30	20	50						7								1						2				
4-06, 145	32.95	M	10	30	60				10		3								*						2	*			
5-02, 45	35.45	D	15	10	75				5		5															*			
5-02, 52	35.52	D	10	50	40				20										*		*								
5-05, 90	40.40	M	10	20	70				5		5								*					*	1				
5-06, 142	42.42	D	10	30	60				5		13								*					*	5				
6-02, 90	45.40	D	10	35	55				5		5													*					
6-05, 122	50.22	M	5	35	60						5			*											1				
9-03, 63	75.13	D	0	40	60									15															
10-06, 64	89.14	D	10	40	50									2					*										

Leg: 159 Site: 959

Sample			Mineral				Biogenic														Rock									
Hole, core, section, location (cm)	Depth	Lithology	Tourmaline	Volcanic Glass	Zeolite	Zircon	Algae	Bryozoa	Diatoms	Discoaster	Echinoid	Fish Remains	Foraminifers	Nannofossils	Plant Debris	Radiolarians	Red Algae	Siliceous Sponge Spicules	Silicoflagellates	Sponge Spicules	Bioclasts	Cement	Intraclasts	Micrite	Organic Debris	Organic Matter	Pellets	Peloids	Rock Fragment	Spar Cement
36-01, 117	332.97	D							50					5		5		*						5						
36-02, 80	334.10	M							15					10		*		*	*					5						
36-03, 36	335.16	D							20					10		5		*	*					5						
36-04, 90	337.20	M							50					*		5		*												
37-01, 70	342.20	D							30					20				*						15						
37-02, 117	344.17	D							65					4		*														
37-03, 27	344.77	D							30					40		*								10						
37-06, 10	349.10	M							72				1							*										
38-01, 51	351.71	D							10						10									40						
39-01, 86	361.66	D							25					60		3			*	*				*						
39-03, 45	364.25	M							60					5		5				*					2					
40-03, 32	373.82	D							25					60		5			*											
40-03, 73	374.23	D							10				2	80		3				*										
41-02, 101	382.71	D							20				*	70		*				*				*						
42-01, 34	390.14	D							10							1		*	*					*						
42-02, 58	391.88	D							30					15		2		1							2					
42-04, 27	394.57	D							20					40		2		1												
42-04, 102	395.32	D							10				1	30		*		*	*											
43-02, 90	401.60	D							20					1		10		20												
43-03, 57	402.77	D							25					20		10		5												
43-04, 67	404.37	D							20					30		5		2												
43-06, 96	407.66	D							25							10		5												
44-01, 21	408.71	D							40									5	*											
44-02, 134	411.34	D							45							2		2	*											
44-06, 110	417.10	M							50							5		5	*											
45-01, 70	418.80	D							30							5		5												
45-01, 131	419.41	D							35							1		5												
45-03, 101	422.11	D							40							5														
45-05, 72	424.82	D							15					30		5		3												
46-01, 78	428.48	D							35							10		10												
46-02, 59	429.79	D							25							5		5												
46-04, 70	432.90	D							40							*		17												
46-04, 80	433.00	M							40							2		2	1											
46-07, 41	437.11	M							8							3		5	1											
47-01, 37	437.77	D														15		5												
47-01, 99	438.39	M														20				2										
48-CC, 27	447.41	D														*														
52-01, 42	480.32	M																												
B-1-01, 43	.43	D											20	72				*							*					
1-01, 60	.60	M							*				35	52		*		*							*					
1-01, 93	.93	D											20	72				*							*					
2-01, 70	5.70	D											3	90				*							*					
2-02, 66	7.16	D											5	75		*														
2-03, 79	8.79	M											5	85																
2-06, 22	12.66	M											2	88		*									*					
3-02, 15	16.15	D											5	73		*														
3-04, 99	19.99	D											10	75					*											
4-03, 69	27.69	D	*										40	50	*															
4-06, 145	32.95	M											15	70	*				*											
5-02, 45	35.45	D											20	70																
5-02, 52	35.52	D											10	30	*															
5-05, 90	40.40	M											15	74																
5-06, 142	42.42	D											10	65	2					*										
6-02, 90	45.40	D											25	65	*															
6-05, 122	50.22	M											10	83	1															
9-03, 63	75.13	D							*	5			10	70																
10-06, 64	89.14	D								8			20	70																

Leg: 159 Site: 959

Sample			Texture data			Mineral																						
Hole, core, section, location (cm)	Depth	Lithology	Sand	Silt	Clay	Accessory Minerals	Barite	Biotite	Calcite	Chalcedony	Clay	Dolomite	Feldspar	Glauconite	Gypsum	Heavy Minerals	Inorganic Calcite	Kaolinite	Mica	Opal Or Opaline Fragments	Opaques	Oxides	Palygorskite	Phosphate	Pyrite	Quartz	Rutile	Siderite	Sulfide
10-06, 140	89.90	D	0	10	90							3													1				
10-07, 37	90.37	D	0	20	80						5	10							*										
12-02, 111	102.61	D	0	20	80							5																	
12-05, 73	106.73	M	0	20	80						10	*													*				
12-05, 79	106.79	D	0	50	50							*													*				
12-06, 99	108.49	D	0	20	80						10	*													*				
15-02, 56	130.56	M		30	70							7													*				
15-03, 53	132.03	M	10	30	60							15																	
15-03, 83	132.33	D		20	80																								
15-06, 100	137.00	M	10	30	60									12															
15-06, 113	137.13	M										13													2				
15-CC, 13	138.22	M	20	40	40							5													*				
16-01, 112	139.12	D	0	15	85				1		45								1										
16-04, 94	143.44	M	5	30	65						42	15												*	3				
17-01, 103	148.53	D	5	55	40				5		40										5								
17-03, 102	151.52	D	10	40	50				10		30	*							*					*					
18-06, 114	165.64	D	0	15	85				1		30															*			
20-02, 90	177.90	D	5	40	55						10																		
C-3-01, 132	13.12	D	10	10	80						20														2				
5-01, 22	31.02	D	10	50	40				10		35														5				
5-01, 135	32.15	M	0	20	80				10																85				
7-01, 132	51.12	D	10	30	60				3		10													*	*				
7-04, 48	54.78	D	10	30	60				5		20														*	*			
7-05, 57	56.37	M	30	40	30				2		10													2	1	*			
8-03, 103	63.33	M	10	30	60				*		20													2		*			
9-02, 24	70.54	M	0	30	70				5		33													*	2	*			
9-02, 52	70.82	D	0	30	70				*		30								*						1				
10-01, 108	79.38	D	10	30	60				5		20													*		*			
10-03, 44	81.74	D	0	40	60				10		30														1	*			
18-02, 88	156.68	D	0	25	75						70			*											2	3		5	
18-03, 49	157.79	D	0	35	65			*			58				2										*	10		15	
18-03, 64	157.94	D	1	34	65						64			*	*										3	5		3	
19-01, 96	164.76	D	0	40	60						45								*		1	1		1				15	
19-03, 42	167.22	M	5	30	65				2		40								*					*		15		38	
19-03, 48	167.28	M	0	40	60				5		84								2		3	1		*		3		*	
19-03, 78	167.58	D	0	30	70				2		42										1			*					
20-03, 70	177.00	M	0	90	10						25													*		*		75	
D-1-01, 103	418.83	D	10	60	30						30																		
1-02, 75	420.05	D	5	65	30						20			*						*					3				
7-CC, 9	469.39	D	0	60	40						10									69					1	*			
8-01, 80	475.80	D	0	60	40									1						60					2	*			
9-01, 56	485.16	D	0	10	90						15									72				*	2	1			
9-01, 85	485.45	D	0	20	80						10		*							73					2	*			
9-04, 117	490.27	D	0	20							5			*						78				*	2	*			
11-01, 76	504.56	D	0	10	90						20			*						60					*				
12-01, 120	514.80	D	0	20	80						10									74					3	5			
12-01, 136	514.96	D	0	20	80						5									90					2				
12-02, 123	516.33	M	0	20	80						10			2						69					5	2			
12-03, 68	517.28	D	0	10	90						20									70					*				
12-03, 72	517.32	D	0	20	80						10									80					5	2			
14-01, 85	533.65	M	0	20	80						2			2						79					5	5			
16-01, 32	552.42	D	0	25	75						10			5						71					5	2			
17-02, 59	563.89	D	0	40	60						10									52					1	5			
17-02, 120	564.50	D	0	35	65						15			*						50					3	*			
17-03, 90	565.70	D	0	30	70						10									35					10	*			
18-04, 130	577.20	M	0	15	85						10									78					5	2			
19-01, 28	581.18	D	0	15	85						*			10						75					10	*			

Leg: 159 Site: 959

Sample			Mineral				Biogenic													Rock										
Hole, core, section, location (cm)	Depth	Lithology	Tourmaline	Volcanic Glass	Zeolite	Zircon	Algae	Bryozoa	Diatoms	Discoaster	Echinoid	Fish Remains	Foraminifers	Nannofossils	Plant Debris	Radiolarians	Red Algae	Siliceous Sponge Spicules	Silicoflagellates	Sponge Spicules	Bioclasts	Cement	Intraclasts	Micrite	Organic Debris	Organic Matter	Pellets	Peloids	Rock Fragment	Spar Cement
10-06, 140	89.90	D								5			1	90																
10-07, 37	90.37	D								5				80																
12-02, 111	102.61	D											5	90																
12-05, 73	106.73	M											5	85																
12-05, 79	106.79	D											95	5																
12-06, 99	108.49	D											5	85																
15-02, 56	130.56	M											8	85																
15-03, 53	132.03	M											5	80																
15-03, 83	132.33	D											5	95																
15-06, 100	137.00	M											3	85																
15-06, 113	137.13	M											*	85																
15-CC, 13	138.22	M											15	80																
16-01, 112	139.12	D											13	40																
16-04, 94	143.44	M											10	30																
17-01, 103	148.53	D											5	45	*															
17-03, 102	151.52	D											15	45																
18-06, 114	165.64	D											3	66																
20-02, 90	177.90	D											10	80																
C-3-01, 132	13.12	D											13	65																
5-01, 22	31.02	D											10	40																
5-01, 135	32.15	M			*									5	*															
7-01, 132	51.12	D											10	77																
7-04, 48	54.78	D											5	70											*					
7-05, 57	56.37	M											30	53											2					
8-03, 103	63.33	M											10	65											3					
9-02, 24	70.54	M											5	50	2										3					
9-02, 52	70.82	D											5	64																
10-01, 108	79.38	D											20	55											*					
10-03, 44	81.74	D											2	57											*					
18-02, 88	156.68	D												20		*														
18-03, 49	157.79	D												10	5															
18-03, 64	157.94	D											*	25																
19-01, 96	164.76	D											2	35																
19-03, 42	167.22	M											5																	
19-03, 48	167.28	M												*	1										1					
19-03, 78	167.58	D											5	50																
20-03, 70	177.00	M																												
D-1-01, 103	418.83	D							60					*		10				*										
1-02, 75	420.05	D	*						50							15				2					10					
7-CC, 9	469.39	D			5																				15					
8-01, 80	475.80	D			12																				25					
9-01, 56	485.16	D			5											*									5					
9-01, 85	485.45	D			5											5									5					
9-04, 117	490.27	D			5											5									5					
11-01, 76	504.56	D							10				5		5	*														
12-01, 120	514.80	D			5																				3					
12-01, 136	514.96	D													3															
12-02, 123	516.33	M			10																				2					
12-03, 68	517.28	D													10															
12-03, 72	517.32	D			2																				1					
14-01, 85	533.65	M			5																				2					
16-01, 32	552.42	D			5																									
17-02, 59	563.89	D			2																			15	2					
17-02, 120	564.50	D			*																			20	2					
17-03, 90	565.70	D			*									10										20	5					
18-04, 130	577.20	M			5																				*					
19-01, 28	581.18	D			*									*										5	*					

Leg: 159 Site: 959

Sample			Texture data			Mineral																								
Hole, core, section, location (cm)	Depth	Lithology	Sand	Silt	Clay	Accessory Minerals	Barite	Biotite	Calcite	Chalcedony	Clay	Dolomite	Feldspar	Glauconite	Gypsum	Heavy Minerals	Inorganic Calcite	Kaolinite	Mica	Opal Or Opaline Fragments	Opaques	Oxides	Palygorskite	Phosphate	Pyrite	Quartz	Rutile	Siderite	Sulfide
20-02, 12	592.22	D	0	30	70									15						70					5				
20-03, 108	594.68	D	0	30	70									25						70					5				
20-03, 131	594.91	M	0	30	70									25						75									
20-03, 131	594.91	M	5	45	50									80						15		5							
21-01, 71	600.91	D	0	30	70															88					2				
21-03, 149	604.69	D	2	28	70															60					5	*			
21-05, 37	606.57	D	0	30	70															48					2				
23-01, 43	619.73	D	0	30	70															86					3				
24-01, 100	630.00	D	0	50	50															50					1				
24-06, 100	637.50	M	0	40	60															58					2				
25-01, 89	639.59	D	0	40	60						5									83									
25-03, 41	642.11	M	0	40	60						10									78					1	*			
25-03, 126	642.96	D	0	40	60						5									75						*			
26-06, 33	656.13	D		20	80						20									40					2				
26-06, 55	656.35	D		20	80						15									45					2				
26-06, 66	656.46	D		30	70						30									40					5				
28-03, 41	671.01	D	25	10	65						10									30					1				
28-04, 85	672.95	D		20	80						25			1						49					10				
29-02, 71	679.41	D		30	70						20									40					1				
29-04, 66	682.36	D		40	60						30									51					2				
30-CC, 2	695.65	D	10	60	30						25									20					*				
31-02, 125	699.35	D	10	30	60						*									45					*				
31-03, 59	700.19	D	0	70	30															35									
32-02, 60	708.30	D	20	70	10						10									30					3	*			
33-01, 50	716.40	D	10	30	60						28									50					2	10			
33-01, 145	717.35	D	5	45	50						15									43						10			
34-02, 8	727.08	D	0	30	70					15															5				
34-02, 24	727.24	D	0	30	70						10									75									
34-04, 80	730.80	D	0	20	80						15									83					*				
34-05, 122	732.72	D	0	20	80						10									30					*				
35-01, 39	735.59	D	0	40	60						5									75					2				
35-02, 50	737.20	M	0	40	60															75					*				
35-02, 60	737.30	D	0	50	50						*									65						2			
35-05, 37	741.57	D	0	30	70						20									67					2				
35-05, 108	742.28	D	10	70	20															20					3				
36-04, 126	750.66	D	10	80	10						5														2				
36-CC, 38	751.15	D	0	80	20						10									30					*				
37-01, 110	755.60	D	0	40	60															61					*				
37-02, 56	756.56	D	0	30	70															78					*	5			
38-01, 38	764.58	D	0	10	90						*									35					5				
39-01, 41	774.21	D	0	30	70															66					2	2			
39-02, 131	776.61	D	0	20	80															40									
39-03, 63	777.43	D	0	10	90									2						87	2				2	5			
41-01, 18	793.18	D	20	50	30									5						25									
41-01, 70	793.70	M	0	0	100						100																		
41-03, 15	796.15	M	20	30	50									*						56									
42-01, 27	802.87	D		20	80						9									80					1	10			
42-01, 41	803.01	D		30	70						27									70					3				
42-01, 131	803.91	D		20	80						10	*		*						60					*				
43-01, 56	812.86	D	0	0	100						90														5	5		*	
43-04, 24	817.04	M	0	10	90						86			*					*						5	2			
43-04, 94	817.74	D	0	5	95						50			*											*				
43-07, 24	821.54	D	0	5	95						69			*											*	*			
44-02, 125	823.35	D	0	5	95						75			*											1				
44-07, 136	830.96	D	0	5	95						95			*											3	*			
46-01, 16	841.46	D	0	5	95						94			*											1	*			
46-01, 34	841.64	M	80	20	0		100																						

Leg: 159 Site: 959

Sample			Mineral				Biogenic														Rock									
Hole, core, section, location (cm)	Depth	Lithology	Tourmaline	Volcanic Glass	Zeolite	Zircon	Algae	Bryozoa	Diatoms	Discoaster	Echinoid	Fish Remains	Foraminifers	Nannofossils	Plant Debris	Radiolarians	Red Algae	Siliceous Sponge Spicules	Silicoflagellates	Sponge Spicules	Bioclasts	Cement	Intraclasts	Micrite	Organic Debris	Organic Matter	Pellets	Peloids	Rock Fragment	Spar Cement
20-02, 12	592.22	D																						10						
20-03, 108	594.68	D																						*						
20-03, 131	594.91	M																												
20-03, 131	594.91	M																						*						
21-01, 71	600.91	D											*	*		*									5					
21-03, 149	604.69	D			*											5								5	25					
21-05, 37	606.57	D																						40	10					
23-01, 43	619.73	D												*										10	1					
24-01, 100	630.00	D												*										40					9	
24-06, 100	637.50	M			*									1	5									14	20					
25-01, 89	639.59	D												2										10						
25-03, 41	642.11	M	*											*	1									5	5					
25-03, 126	642.96	D												5										15	*					
26-06, 33	656.13	D												1										35	2					
26-06, 55	656.35	D												1										37						
26-06, 66	656.46	D												2										20	3					
28-03, 41	671.01	D											24	10										25						
28-04, 85	672.95	D																						5	5					
29-02, 71	679.41	D												5										32	2					
29-04, 66	682.36	D												*										15	2					
30-CC, 2	695.65	D							2				3		5	5								40						
31-02, 125	699.35	D											20		5									30						
31-03, 59	700.19	D							*				5		5									45						
32-02, 60	708.30	D											5		7									45						
33-01, 50	716.40	D												*										10						
33-01, 145	717.35	D											2	*										30						
34-02, 8	727.08	D											*		3									77						
34-02, 24	727.24	D																						15						
34-04, 80	730.80	D																							2					
34-05, 122	732.72	D											10		*	10								40						
35-01, 39	735.59	D												2	1									15						
35-02, 50	737.20	M												*										25						
35-02, 60	737.30	D												3										30						
35-05, 37	741.57	D												1										10						
35-05, 108	742.28	D											*		2									75						
36-04, 126	750.66	D											10	*	5	28								50						
36-CC, 38	751.15	D											5			10								45						
37-01, 110	755.60	D												5		2								30	2					
37-02, 56	756.56	D												*		10								2	5					
38-01, 38	764.58	D												25										35	*					
39-01, 41	774.21	D																						20	*				10	
39-02, 131	776.61	D												*										50					10	
39-03, 63	777.43	D																						2						
41-01, 18	793.18	D											5	20										40					5	
41-01, 70	793.70	M																												
41-03, 15	796.15	M											2	20										20						
42-01, 27	802.87	D																							*					
42-01, 41	803.01	D																							*					
42-01, 131	803.91	D												5										25	*					
43-01, 56	812.86	D			*																									
43-04, 24	817.04	M											*	2										5	*					
43-04, 94	817.74	D												20										30	*					
43-07, 24	821.54	D												20	1									10						
44-02, 125	823.35	D												23	1															
44-07, 136	830.96	D													2															
46-01, 16	841.46	D												*	1									1	1				2	
46-01, 34	841.64	M																												

Leg: 159 Site: 959

Sample			Texture data			Mineral																							
Hole, core, section, location (cm)	Depth	Lithology	Sand	Silt	Clay	Accessory Minerals	Barite	Biotite	Calcite	Chalcedony	Clay	Dolomite	Feldspar	Glauconite	Gypsum	Heavy Minerals	Inorganic Calcite	Kaolinite	Mica	Opal Or Opaline Fragments	Opaques	Oxides	Palygorskite	Phosphate	Pyrite	Quartz	Rutile	Siderite	Sulfide
46-01, 90	842.20	D	0	5	95						86			*						10					2	2			
47-01, 12	851.02	D	0	5	95						77			*						10				1	2	5			
47-01, 27	851.17	M	0	10	90						74									10				2	2	2			
47-01, 44	851.34	D	0	90	10						75														*				
48-01, 24	860.84	D	0	5	95						74			2										2	5	*			
48-03, 135	864.95	D	0	2	98						99														1				
50-02, 37	881.77	M	0	15	85						71														20	3			
50-05, 38	886.28	D	0	5	95						96			*											2	2			
51-01, 16	889.36	M	100	0	0		100																						
51-01, 119	890.39	D	0	5	95						96					*									2	1			
51-05, 40	895.60	M	0	0	100						100					*									*				
52-01, 64	899.44	D	0	10	90						89			5											3	1			
52-02, 127	901.57	M	0	5	95						84			5							3					1			
53-06, 120	915.99	D	10	40	50						80	*		17											10	3			
54-01, 19	918.29	D	5	10	85						60			20											15	2			
54-02, 85	920.45	D	3	5	92						75			3											15	1			
55-02, 33	928.39	D	0	15	85						75			1											20	2			
55-03, 36	929.92	D	0	10	90						93														5	2			
55-08, 4	937.10	M																											
59-02, 87	968.87	D	10	30	60						80			2											3	5			
59-03, 113	970.63	D	0	70	30						90														2	*			
60-01, 20	976.30	D	0	5	95						96														3	*			
60-02, 126	978.86	M	0	5	95						95														5	*			
60-03, 11	979.21	M	0	3	97						97			*											3				
60-05, 31	982.41	D	30	10	60						53		*	20											2	15			
60-05, 123	983.33	M	0	75	25		70				28														2				
61-02, 133	988.63	M	0	10	90						90														3	5			
62-01, 9	995.49	M	0	15	85						88	10				*									2				
62-02, 107	997.97	M	20	80	0				20									80											
62-02, 112	998.02	D	10	20	70		10				55	20													5	*			
64-05, 50	1021.20	M	40	10	50				10		46			2											5	2			
65-01, 27	1024.37	D		30	70						85	5													10				
65-01, 102	1025.12	D	0	30	70						35	50													10				
65-02, 89	1026.49	D	0	30	70						20	70													10				
65-04, 120	1029.80	D		20	80						80	*													10	*			
66-01, 24	1033.94	D	5	40	55						47	5		10					*						3	1			
66-01, 106	1034.76	D	5	15	80		2				63	2													5	1			
66-05, 37	1040.07	D	10	80	10						75			*											5	10			
66-06, 66	1041.86	D	7	20	73						65	5													5	2			
66-06, 88	1042.08	D	0	70	30						54	40													3				
66-06, 91	1042.11	D	20	40	40						45	25													10	5			
66-06, 98	1042.18	D	10	70	20						60														5	5			
66-CC, 10	1043.10	M	0	40	60						58	10		3											3	1			
66-CC, 34	1043.34	M	5	65	30						30	55														10			
67-01, 21	1043.51	D	0	80	20						13	40													2	20			
67-01, 36	1043.66	M	50	50	0						10															3			
67-01, 96	1044.26	D	50	30	20						20	2													8	40			
67-02, 83	1045.63	D	50	20	30						30	25													1	20			
67-02, 130	1046.10	D	0	70	30						5	60													1	10			
67-02, 137	1046.17	D	90	10	0																					15			
68-01, 94	1053.94	D	70	15	15																			3	2	20			
68-01, 94	1053.94	M	70	15	15																			5	2	20			
69-01, 72	1063.42	D	100																						2	30			
70-01, 23	1072.63	D	60	30	10																								
70-01, 29	1072.69	M	70	10	20																								
70-01, 39	1072.79	D	80	15	5																								
70-01, 39	1072.79	D	80	15	5																								

Leg: 159 Site: 959

Sample			Mineral				Biogenic														Rock									
Hole, core, section, location (cm)	Depth	Lithology	Tourmaline	Volcanic Glass	Zeolite	Zircon	Algae	Bryozoa	Diatoms	Discoaster	Echinoid	Fish Remains	Foraminifers	Nannofossils	Plant Debris	Radiolarians	Red Algae	Siliceous Sponge Spicules	Silicoflagellates	Sponge Spicules	Bioclasts	Cement	Intraclasts	Micrite	Organic Debris	Organic Matter	Pellets	Peloids	Rock Fragment	Spar Cement
46-01, 90	842.20	D												*										*	*					
47-01, 12	851.02	D														*									5					
47-01, 27	851.17	M																						5	3				2	
47-01, 44	851.34	D													5									20						
48-01, 24	860.84	D													2										15					
48-03, 135	864.95	D				*									*										*					
50-02, 37	881.77	M													5										1					
50-05, 38	886.28	D													*															
51-01, 16	889.36	M																												
51-01, 119	890.39	D													1										*					
51-05, 40	895.60	M													*															
52-01, 64	899.44	D			1										1	*														
52-02, 127	901.57	M			7										*															
53-06, 120	915.99	D																												
54-01, 19	918.29	D			3																									
54-02, 85	920.45	D			3																									
55-02, 33	928.39	D																												
55-03, 36	929.92	D																												
55-08, 4	937.10	M			100																									
59-02, 87	968.87	D													10															
59-03, 113	970.63	D													8															
60-01, 20	976.30	D													1															
60-02, 126	978.86	M																												
60-03, 11	979.21	M													*															
60-05, 31	982.41	D													10															
60-05, 123	983.33	M																												
61-02, 133	988.63	M													*														2	
62-01, 9	995.49	M													*															
62-02, 107	997.97	M																												
62-02, 112	998.02	D													*										10					
64-05, 50	1021.20	M													10										25					
65-01, 27	1024.37	D												*											*					
65-01, 102	1025.12	D													*									5						
65-02, 89	1026.49	D													*															
65-04, 120	1029.80	D												10											*					
66-01, 24	1033.94	D			*								*	25	5										5					
66-01, 106	1034.76	D											2	15	5															
66-05, 37	1040.07	D											*											10						
66-06, 66	1041.86	D											1	20	2	*														
66-06, 88	1042.08	D											*		3															
66-06, 91	1042.11	D											15																	
66-06, 98	1042.18	D											10											20						
66-CC, 10	1043.10	M			*								*	20	*										5					
66-CC, 34	1043.34	M												5																
67-01, 21	1043.51	D													5									20						
67-01, 36	1043.66	M																						87						
67-01, 96	1044.26	D			10								2	5										10	3					
67-02, 83	1045.63	D			3									10										10	1					
67-02, 130	1046.10	D													4									20						
67-02, 137	1046.17	D													3														82	
68-01, 94	1053.94	D																			33	5	20	15			2			
68-01, 94	1053.94	M																			31		20	15		2			5	
69-01, 72	1063.42	D																										13	55	
70-01, 23	1072.63	D					20	10			10						20					10	10				5			
70-01, 29	1072.69	M																			20	10	50	10			10			
70-01, 39	1072.79	D					29	25					1										20	5			10		10	
70-01, 39	1072.79	D					29	25					1										20	5			10		10	

Leg: 159 Site: 959

Sample	Depth	Lithology	Texture data			Mineral																						
Hole, core, section, location (cm)			Sand	Silt	Clay	Accessory Minerals	Barite	Biotite	Calcite	Chalcedony	Clay	Dolomite	Feldspar	Glauconite	Gypsum	Heavy Minerals	Inorganic Calcite	Kaolinite	Mica	Opal Or Opaline Fragments	Opaques	Oxides	Palygorskite	Phosphate	Pyrite	Quartz	Rutile	Siderite	Sulfide
71-01, 46	1082.16	D	80	20	0						20															50			10
71-01, 68	1082.38	D	50	50	0						30								*						3	45			
72-03, 105	1095.25	D	20	50	30						20	30														40			
73-01, 22	1101.02	D	20	60	20						25								2						3	50	*		
73-01, 121	1102.01	D	60	20	20			*			15								5							60	*		
73-01, 127	1102.07	D	50	30	20						27								3						15	17			
73-01, 130	1102.10	M	0	40	60						50																		
73-01, 144	1102.24	D	10	50	40						50								10							20	*		
73-02, 39	1102.69	M	10	80	10						10															20	*		
73-02, 100	1103.30	D	40	20	40						40								5						*	27			
73-CC, 0	1103.34	D	80	10	10						20								5							20			
75-01, 70	1120.90	D	60	20	20						8						30								2	50			
75-01, 108	1121.28	D	0	40	60						60						10									20			
78-01, 15	1149.35	D	0	30	70						73						10								2	5			

Leg: 159 Site: 959

Sample			Mineral				Biogenic														Rock									
Hole, core, section, location (cm)	Depth	Lithology	Tourmaline	Volcanic Glass	Zeolite	Zircon	Algae	Bryozoa	Diatoms	Discoaster	Echinoid	Fish Remains	Foraminifers	Nannofossils	Plant Debris	Radiolarians	Red Algae	Siliceous Sponge Spicules	Silicoflagellates	Sponge Spicules	Bioclasts	Cement	Intraclasts	Micrite	Organic Debris	Organic Matter	Pellets	Peloids	Rock Fragment	Spar Cement
71-01, 46	1082.16	D																											20	
71-01, 68	1082.38	D													2														20	
72-03, 105	1095.25	D			10																									
73-01, 22	1101.02	D				*									20														*	
73-01, 121	1102.01	D				*									5														15	
73-01, 127	1102.07	D													5													8	25	
73-01, 130	1102.10	M																											50	
73-01, 144	1102.24	D													20															
73-02, 39	1102.69	M													40														30	
73-02, 100	1103.30	D													5													3	20	
73-CC, 0	1103.34	D													5													5	45	
75-01, 70	1120.90	D				*									10															
75-01, 108	1121.28	D													5										5					
78-01, 15	1149.35	D																							10					