Leg: 141 Site: 859

Sample			Texture data			Mineral														Fossil						Other					
Hole, core, section, location (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Accessory Minerals	Amphibole	Clay	Dolomite	Epidote	Feldspar	Hornblende	Inorganic Calcite	Mica	Opaques	Pyroxene	Quartz	Volcanic Glass	Zircon	Diatoms	Foraminifers	Nannofossils	Radiolarians	Silicoflagellates	Sponge Spicules	Carbonate Grains	Cement	Micrite	Organic Debris	Organic Matter	Rock Fragment
A-1-01, 0	0.00	D	5	55	40			35			20	5		*			15	2		5	*	5	10		*						
1-01, 71	.71	D	0	47	53	5		53			1						20	1		10	2	2	1	3						2	
2-01, 76	1.96	D	3	55	42		6	37			20			*	2		13					5	15								
2-02, 63	3.33	D	2	38	60		2	55			22			*	1		10			2		5	3								
2-03, 70	4.90	D	2	58	40		2	40			27			*	1		20					*	10								
2-04, 113	6.83	M	2	55	43		2	43			19				1		10			10		*	15								
2-05, 5	7.25	D	1	54	45		5	40			20			*			10			10		5	10								
2-05, 20	7.40	D	2	43	55		5	30			20				1		14			5		25	*								
2-06, 41	9.11	D	1	54	45		5	40			20			*	*		15			*		5	15								
2-07, 26	10.46	D	0	40	60	2		60			5			1			20	1			3	7								1	
2-CC, 20	10.92	D	0	30	70	*		70			*			*			27	1												2	
3-01, 42	11.12	D	0	50	50		5	50			10			10			20	*		*			5		*						
3-01, 125	11.95	D	10	70	20		5	20			20			10	5		40	*													
3-03, 116	14.86	D	0	60	40		5				15			5			65	5		*			5		*						
3-03, 141	15.11	D	0	20	80		2	80			10			*	1		7	*							*						
4-01, 82	17.52	D	2	58	40				15		25			20			15								25						
4-02, 83	19.03	M	60	35	5			5			*		90	*											*						
4-05, 53	23.23	D	0	60	40				5		20			10			40	5		5					5					10	
5-01, 13	25.33	M	5	65	30		4	25			40				1	*	25					5									
5-01, 26	25.46	D	0	45	55		4	55			20			*	1		15						5		*						
5-01, 38	25.58	M	2	50	48			8			17						35					40									
5-02, 8	26.08	D	1	39	60		4	60			20				1		15								*						
5-02, 25	26.25	M	30	070	0																				100						
5-03, 27	27.31	D	0	40	60		2	60			20				1		17														
5-04, 86	28.40	D	0	45	55		2	55			22				1		20														
5-05, 27	29.31	D	0	55	45		3	45			25				2		25								*						
5-06, 33	30.59	D	0	45	55			55			25			*			20														
6-01, 22	34.92	D	1	45	54		4	54			20				2		20								*						
6-01, 97	35.67	M	70	30	0		5				48				2		45														
6-01, 139	36.09	D	1	45	54		3	54			20				3		20														
6-02, 79	36.99	M	10	85	5		4	5			20		50		1		20														
6-CC, 17	37.24	D	4	66	30		3	30			30				2		30						*		5						
6-CC, 20	37.27	M	10	85	5		3	5			20		50	*	2		20														
7-01, 29	41.29	D	0	55	45		10	45			20				3		22					*			*						
7-CC, 6	41.66	D	0	55	45		7	45			25				3		20														
8-01, 133	50.33	D	0	60	40		10	40			10			5	*		35	*							*						
10-CC, 11	58.51	D	0	40	60	9		60			5						15	10				1			*					*	
11-01, 70	69.00	D	0	70	30	5		30			20						30	10							*					5	
11-02, 36	70.16	D	0	35	65	5		65			5						20	5												*	
11-03, 97	72.27	D	0	35	65	5		65			1						7	1				20			*					1	
11-03, 127	72.57	D	45	40	15	10		15			20						40	10												5	
12-01, 10	77.10	D	0	30	70		*	70			5			5			20	*													
13-01, 27	78.27	D	0	30	70		*	70			15			*	*		15														
13-01, 46	78.46	D	0	50	50			50			25						25														
13-02, 17	79.27	D	0	60	40		3	40			30				2		25														
13-CC, 16	79.74	D	0	70	30		*	30			35				*		35														
14-01, 68	88.28	D	0	60	40		1	40			30				1		28														
14-01, 102	88.62	D	0	40	60		*	60			20				*		20														
14-02, 26	89.28	D	0	55	45		*	45			30				*		25														
14-03, 11	90.63	D	5	60	35		4	35			30				1		30														

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

Leg: 141	Site: 859																															
Sample			Texture data			Mineral														Fossil						Other						
Hole, core, section, location (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Accessory Minerals	Amphibole	Clay	Dolomite	Epidote	Feldspar	Hornblende	Inorganic Calcite	Mica	Opaques	Pyroxene	Quartz	Volcanic Glass	Zircon	Diatoms	Foraminifers	Nannofossils	Radiolarians	Silicoflagellates	Sponge Spicules	Carbonate Grains	Cement	Micrite	Organic Debris	Organic Matter	Rock Fragment
14-03, 84	91.36	D	0	55	45		*	45			30				1		24														
14-04, 10	91.62	D	0	45	55		3	55			20				2		20														
15-01, 17	98.97	D	0	55	45		*	45			30				*		25														
16-01, 25	100.45	D	0	60	40		2	40			30				1		27														
16-CC, 30	100.85	D	0	30	70		2	70			17				1		10														
16-CC, 31	100.86	D	10	50	40		1	40			30				1		28														
16-CC, 32	100.87	D	1	50	49		1	49			29				1		20														
17-CC, 15	107.05	D	25	70	5	20		5			35			*			5	30												5	
17-CC, 16	107.06	M	0	60	40	5		40			20						5	30													
17-CC, 23	107.13	D	0	40	60	5		60			20						5	10													
18-01, 44	116.94	D	0	30	70	5		70			10						5	10				*									
18-01, 50	117.00	M	0	30	70	10		70			10						5	5				*			*						
19-CC, 16	126.57	D	0	20	80	5		80			5						5	5													
20-CC, 8	135.98	D	0	60	40		2	40			37			*	1		20	*													
20-CC, 35	136.25	D	0	65	35		*	35			39			*	1		25	*													
20-CC, 37	136.27	M	0	35	65			65			20			*	*		15	*													
B-1-01, 32	52.32	D	0	70	30		5	30			20				5		35	5													
1-01, 145	53.45	M	0	60	40		*	40			20				*		40	*													
1-02, 97	54.47	D	0	65	35		5	35			20				3		35														
2-01, 12	61.72	D	1	70	29			29			16				*		10					45									
2-01, 12	61.72	M	1	70	29			29			16				*		10					45									
2-01, 87	62.47	D	1	70	29			35			35			*	*		30	*													
2-02, 44	63.54	D	0	70	30		*	30			40			*	*		30	*							*						
2-03, 32	64.92	D	10	60	30		5	30			30			*	3		25	7													
2-03, 109	65.69	D	10	60	30		10	30			30				5		20	5													
2-04, 9	66.19	M	10	55	35		7	35			30			*	3		20	5													
2-04, 93	67.03	D	0	60	40		3	40			30				2		20	5							*						
2-CC, 20	67.43	D	0	55	45			45			30				*		25					*									
3-01, 27	71.57	D	0	55	45		1	45			30				1		20	3													
3-02, 116	73.96	D	0	30	70			70			15				1		10	4													
3-04, 55	75.07	M	0	40	60			60			20				10		10														
3-05, 124	77.04	D	0	40	60			60			20				*		20	*													
3-06, 76	78.06	D	0	40	60		*	60			20				*		20	*													
3-06, 126	78.56	M	0	60	40		4	40			30			*	1		20	5													
3-06, 126	78.56	D	0	45	55		3	55			20				2	*	17	3													
3-07, 49	79.29	D	0	55	45		2	45			30				1		20	2													
3-07, 110	79.90	D	0	35	65			65			15				*		15	5													
3-07, 120	80.00	D	0	40	60			60			20				*		19														
3-08, 26	80.56	D	0	45	55		1	55			20				1		20														
4-01, 101	141.01	D	0	70	30		5	30			25				5		30	5													
4-02, 70	142.20	D	5	70	25		5	25			25				5		30	10							*						
4-02, 87	142.37	M	0	70	30		5	30			25				3		30	5							2						
9-CC, 8	187.18	D	0	35	65	5		65			10			5			15														
10-01, 95	197.65	D	1	29	70	5		70			14			3			7	1				*			*			*		*	
10-03, 63	200.33	D	0	40	60	5		55			20			5			15	*							*						
10-05, 47	203.17	D	2	58	40		5	40		*	20		*	*	5		20	5	*											5	
11-01, 30	206.70	M	5	65	30		*	30		*	40				1		28	*													
11-01, 90	207.30	D	0	45	55		1	55			23				1		20														
12-01, 50	216.50	D	0	65	35		3	35			30				2		28	1													
12-02, 46	217.26	D	0	30	70		1	70			15				*		14	*													
12-02, 130	218.10	D	0	55	45		1	45			30				*		24	*													
12-03, 30	218.60	M	0	100	0		*				20		65		*		15														
12-03, 31	218.61	M	0	100	0		*				20		65		*		15														
12-03, 70	219.00	D	0	45	55		1	55			20				1		22	1													
12-04, 40	219.76	D	0	60	40		*	40		*	30				*		30														

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Sample			Texture data			Mineral														Fossil						Other					
Hole, core, section, location (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Accessory Minerals	Amphibole	Clay	Dolomite	Epidote	Feldspar	Hornblende	Inorganic Calcite	Mica	Opaques	Pyroxene	Quartz	Volcanic Glass	Zircon	Diatoms	Foraminifers	Nannofossils	Radiolarians	Silicoflagellates	Sponge Spicules	Carbonate Grains	Cement	Micrite	Organic Debris	Organic Matter	Rock Fragment
12-04, 90	220.26	D	0	55	45		*	45		*	30				*		25														
12-05, 30	221.16	D	0	55	45		5	45		*	28				2		20														
13-01, 6	225.66	D	0	40	60		1	60		*	20				1		18	*													
13-02, 41	226.31	M	0	65	35		7	35		1	30				3		24	*													
13-02, 80	226.70	D	0	55	45		1	45		1	25				1		22														
13-02, 100	226.90	M	20	80	0		3				5			*	2		20	*										70			
13-02, 108	226.98	M	0	80	20						*				2		*											98			
13-02, 112	227.02	M	0	100	0						5		90				5														
13-03, 101	228.41	D	0	15	85		3	85		1	5				1		5														
13-04, 30	229.20	D	0	35	65		4	65			15				1		15														
13-05, 68	230.23	D	0	45	55		8	55		*	20				2		15														
13-06, 60	231.65	D	0	30	70		1	70			18				1		10														
13-07, 61	233.16	D	0	55	45		3	45		1	29				2		20														
13-08, 32	234.37	D	0	20	80		*	80			10				*		10														
14-01, 60	235.90	D	5	70	25		8	25			30				2		30	5													
14-02, 91	237.71	D	0	45	55		5	55		*	20				*		20														
14-03, 80	239.10	D	5	55	40		5	40			30				2		23														
14-04, 70	240.50	D	0	40	60		1	60			23				1		15														
14-05, 60	241.90	D	0	55	45		7	45			25				3		20														
14-05, 111	242.41	D	5	70	25		5	25			37				3		30														
14-06, 41	243.21	D	0	60	40		4	40			32				3		20	1													
15-01, 90	245.90	D	0	45	55		8	55			20				2		15	*													
15-02, 80	247.30	D	0	30	70		8	70			10				2		10	*													
15-03, 100	249.00	D	0	40	60		1	60			20				1		18														
15-04, 30	249.80	D	0	30	70																										
15-05, 20	250.70	D	0	30	70		4	70			15				1		10														
16-01, 87	255.47	D	10	40	50	10		50			25			*			10			*								5		*	
16-03, 149	259.09	M	65	30	5	20		5			30						10	15												20	
16-04, 104	260.14	M	*	40	60	10		60			25			*			5	*												*	
16-05, 23	260.83	D	0	30	70	10		70			10			*			10														
17-01, 54	264.84	D	20	30	50		5	10			20				5		20	*										40			
17-01, 57	264.87	D	5	50	45		*	45			25						30	*													
17-04, 56	269.36	D	0	60	40		5	40			25						30	*													
17-04, 98	269.78	D	0	50	50	2	5	50			25				3		15														
18-01, 97	274.97	D	0	30	70	8		70			15			2			5														
18-03, 70	277.70	D	0	25	75	3		75			10			2			5														
18-04, 30	278.80	D	0	45	55			55			25			5			10												5		
18-04, 34	278.84	D	0	45	55	5		55			25			1			12												2		
18-05, 108	281.08	D	0	40	60	5		60			20			2			12												1		
19-01, 42	283.92	D	0	45	55	5	3	55			15				2		20	*													
19-01, 81	284.31	M	20	60	20	5	5	20			30				5		35														
19-02, 25	285.25	D	0	60	40	5	5	40			20				5		25														
19-03, 120	287.70	D	0	30	70		3	70			10				2		15														
19-05, 32	289.82	D	0	25	75	*	2	75			10				3		10														
20-01, 59	293.79	D	0	25	75		4	75		*	10				1		5												5		
20-01, 130	294.50	D	0	30	70		4	70			15				1		10												*		
20-02, 46	295.16	D	0	40	60		2	60			20				1		17														
20-02, 120	295.90	D	0	30	70		3	70			15				2		10														
20-03, 40	296.60	D	0	30	70		3	70			15				2		10														
20-03, 110	297.30	D	0	30	70		2	70			17				1		10														
20-04, 30	298.00	D	0	30	70		2	70			17				1		10														
20-04, 90	298.60	D	0	30	70		2	70			17				1		10														
20-05, 60	299.80	D	0	30	70		3	70			15				2		10														
20-06, 5	300.25	D	0	30	70		3	70		*	15				2		10														
20-06, 30	300.50	D	0	40	60		3	60			12		15		*		10														

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Sample			Texture data			Mineral														Fossil						Other					
Hole, core, section, location (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Accessory Minerals	Amphibole	Clay	Dolomite	Epidote	Feldspar	Hornblende	Inorganic Calcite	Mica	Opaques	Pyroxene	Quartz	Volcanic Glass	Zircon	Diatoms	Foraminifers	Nannofossils	Radiolarians	Siliceoflagellates	Sponge Spicules	Carbonate Grains	Cement	Micrite	Organic Debris	Organic Matter	Rock Fragment
20-06, 60	300.80	D	0	30	70		3	70			15				2		10														
20-CC, 5	300.89	D	0	20	80		2	80			10				1		7														
21-01, 30	303.10	D	0	30	70		3	70			15				2		10														
21-01, 110	303.90	D	0	10	90		*	90			5				*		5														
21-02, 30	304.60	D	0	40	60		8	60			10		15		2		5														
21-02, 70	305.00	D	0	30	70		3	70			15				2		10														
21-02, 115	305.45	D	0	10	90		4	90			3				1		2														
21-03, 60	306.40	D	0	40	60		6	60			10		12		2		10														
21-03, 101	306.81	D	0	35	65		2	65			6		20		1		6														
21-04, 37	307.67	D	0	10	90		1	90			4				1		4														
21-04, 101	308.31	D	0	30	70		2	70			15				1		10														
22-01, 6	312.26	M	0	5	95		*	95			2				*		2												1		
22-01, 7	312.27	D	0	15	85		2	85			4				1		5												2		
22-01, 14	312.34	D	0	15	85		2	85			6				1		5												1		
22-01, 70	312.90	D	0	15	85		3	85			6				*		6												*		
22-01, 110	313.30	D	0	25	75		5	75		*	10				2		6												2		
23-01, 40	322.30	D	0	20	80		4	80			7		*		3		6	*													
23-01, 110	323.00	D	0	20	80		*	80			10				*		10	*													
23-02, 74	324.14	D	0	20	80		1	80			10				1		8														
23-03, 5	324.95	M	0	25	75		3	75		*	10				3		9	*													
23-03, 8	324.98	M	0	25	75		1	75			13				1		10														
23-03, 12	325.02	M	0	20	80		*	80			10				*		10														
23-03, 35	325.25	D	0	20	80		3	80			10				1		6														
25-01, 75	341.95	D	5	45	50	10		50			20			3			14	*										3	*	*	
25-02, 75	343.45	D	5	55	40	6		40			30			3			20	*				*						*		1	
25-03, 75	344.95	D	10	60	30	10		30			38			2			20														
25-04, 75	346.45	D	10	50	40	15		40			15			1			29													*	
25-05, 78	347.98	D	0	25	75	10		75			5						10					*						*	*		
25-05, 86	348.06	M	2	25	73	10		63			15			2			10	*			*							*		*	
26-01, 133	352.13	D	0	50	50	2	3	50			20			*	2		20	3								*					
26-02, 71	353.01	D	0	8	92			92			5			*	*		3														
27-01, 109	361.49	D	5	45	50	2	3	50			15				5		25														
27-02, 128	363.18	D	0	20	80		3	80			5				2		10														
28-01, 75	370.85	D	1	35	64	15		64			5			5			10													*	
28-03, 75	373.85	D	*	38	62	5		62			10			1			20											*	1	1	
28-05, 75	376.85	D	0	25	75	7		75			5			*			12					*						1		*	
29-01, 16	379.66	M	0	100	0								99				1														
29-01, 30	379.80	D	0	30	70		3	70			16				1		10														
29-01, 115	380.65	D	0	15	85		5	85			5				1		4														
29-02, 54	381.54	D	0	30	70		4	70			10				1		13												2		
29-02, 121	382.21	D	0	15	85		5	85			3				3		2												2		
29-03, 12	382.62	D	0	30	70		4	70			10				2		12												2		
29-03, 67	383.17	D	0	20	80		5	80			5				3		5												2		
29-03, 119	383.69	D	0	30	70		4	70			11				1		11												3		
29-04, 32	384.32	D	0	15	85		2	85			5				1		5												2		
29-04, 93	384.93	D	0	20	80		2	80			10				1		6												1		
29-05, 16	385.66	D	0	30	70		3	70			10				2		10												5		
29-05, 71	386.21	D	0	10	90		2	90			3				1		2												2		
30-01, 25	389.45	D	0	40	60		3	60			20				1		13												3		
30-01, 110	390.30	D	0	20	80		3	80			10				2		5														
30-02, 10	390.80	D	0	10	90		3	90			2				2		3														
30-02, 60	391.30	D	0	20	80		3	80			8				1		8														
30-03, 27	392.47	D	0	30	70		2	70			12				1		15														
30-03, 112	393.32	D	0	60	40		5	40			25				5		25														
30-04, 28	393.98	D	0	30	70		3	70			10				4		13														

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Sample			Texture data			Mineral														Fossil						Other					
Hole, core, section, location (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Accessory Minerals	Amphibole	Clay	Dolomite	Epidote	Feldspar	Hornblende	Inorganic Calcite	Mica	Opaques	Pyroxene	Quartz	Volcanic Glass	Zircon	Diatoms	Foraminifers	Nannofossils	Radiolarians	Silicoflagellates	Sponge Spicules	Carbonate Grains	Cement	Micrite	Organic Debris	Organic Matter	Rock Fragment
30-04, 84	394.54	D	0	20	80		2	80			7				4		7														
30-05, 76	395.96	D	0	10	90		3	90			3				2		2														
30-05, 118	396.38	D	0	20	80		3	80			10				2		5														
30-06, 40	397.10	D	0	10	90		2	90			4				1		3														
32-01, 3	408.63	M	0	100	0								99				1														
32-01, 44	409.04	D	0	20	80		2	80			8				2		8														
32-02, 10	409.70	D	0	20	80		2	80			8				2		8														
32-02, 17	409.77	M	0	55	45		2	45			26				2		25														
32-02, 49	410.09	M	0	55	45		3	45			25				2		25														
32-02, 54	410.14	D	0	35	65		2	65			16				2		15														
33-01, 49	418.79	D	0	40	60		3	60			15				2		20														
33-01, 120	419.50	D	0	40	60		1	60			17				2		20														
33-02, 58	420.38	M	0	20	80		*	80			8				4		8														
33-02, 59	420.39	D	15	60	25		1	25			27				2		45														
33-02, 70	420.50	D	0	20	80		3	80			5				2		10														
33-02, 73	420.53	D	10	65	25		2	25			29				2		40														
34-01, 79	428.69	D	5	35	60		2	60			10				3	*	25														
34-02, 84	430.24	D	2	58	40	2		40	1		25	3			2		25										2				
34-04, 9	432.49	D	0	15	85	*		85			5				2		8														
34-04, 15	432.55	M	10	50	40	2	3	40			22				3		30														
35-01, 75	438.35	D	1	27	72	3		73			10			3			10												1		
35-02, 8	439.18	D	3	27	70	9		70			5			1			15													*	
35-04, 8	442.18	M	5	75	20	20		20			20			*			40													*	
36-01, 75	447.85	D	0	28	72	5		72			5			3			5											10			
36-02, 80	449.40	D	*	70	30	5		30			5						10											50			
37-01, 60	457.30	D	0	15	85		*	85			3				2		10														
37-CC, 4	459.07	M	10	70	20	2	3	20			30		*		5		40														
38-01, 69	467.09	D	0	25	75	5		75			5			5			10														
38-02, 35	468.25	D	40	40	20	10		20			20			*			40													10	
38-CC, 9	468.89	M	30	65	5	10		5			25			*			55										*			5	
38-CC, 12	468.92	M	10	50	40	7		40			10			2			30										*		6	5	
38-CC, 14	468.94	M	5	35	60	5		60			10			*			25														