



GRANULARMETRIC REPORT HONEYMOON GINT LOGS.GPJ FL DEP ROSS.GDT 3/12/10

Granularmetric Report Depths and elevations corrected for either expansion or compaction based on judgement				 Athena Technologies, Inc. 1293 Graham Farm Road McClellanville, SC 29458 ph (843) 887-3800 fax (843) 887-3801			
Project Name: Humiston & Moore, Honeymoon Island							
Sample Name: HI-V8 #HI-V8-1							
Analysis Date: 03-07-10							
Analyzed By: CM							
Easting (ft): 388,693		Northing (ft): 1,352,567		Coordinate System: Florida State Plane West		Elevation (ft): -10.1 NAVD 88	
USCS: SP-SM		Munsell: Wet - 10YR-8/1		Comments:			
Dry Weight (g): 108.41	Wash Weight (g): 102.72	Pan Retained (g): 3.76	Sieve Loss (%): 0.18	Fines (%): #230 - 8.89	Organics (%):	Carbonates (%): 5.10	Shells (%):
Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained	
3/4"	-4.25	19.03	0.00	0.00	0.00	0.00	
5/8"	-4.00	16.00	0.00	0.00	0.00	0.00	
3.5	-2.50	5.66	0.00	0.00	0.00	0.00	
4	-2.25	4.76	0.04	0.04	0.04	0.04	
5	-2.00	4.00	0.00	0.00	0.04	0.04	
7	-1.50	2.83	0.19	0.18	0.23	0.22	
10	-1.00	2.00	0.09	0.08	0.32	0.30	
14	-0.50	1.41	0.08	0.07	0.40	0.37	
18	0.00	1.00	0.10	0.09	0.50	0.46	
25	0.50	0.71	0.13	0.12	0.63	0.58	
35	1.00	0.50	0.23	0.21	0.86	0.79	
45	1.50	0.35	0.53	0.49	1.39	1.28	
60	2.00	0.25	2.16	1.99	3.55	3.27	
80	2.50	0.18	54.41	50.19	57.96	53.46	
120	3.00	0.13	38.45	35.47	96.41	88.93	
170	3.50	0.09	2.32	2.14	98.73	91.07	
230	4.00	0.06	0.04	0.04	98.77	91.11	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
	2.93	2.80	2.47	2.22	2.13	2.02	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	2.43	0.19	0.42	-3.98	38.48		

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Project Name: Humiston & Moore, Honeymoon Island							
Sample Name: HI-V8 #HI-V8-3							
Analysis Date: 03-07-10							
Analyzed By: CM							
Easting (ft): 388,693		Northing (ft): 1,352,567		Coordinate System: Florida State Plane West		Elevation (ft): -14.1 NAVD 88	
USCS: SM		Munsell: Wet - 10YR-6/1		Comments:			
Dry Weight (g): 133.48	Wash Weight (g): 115.66	Pan Retained (g): 0.00	Sieve Loss (%): 0.58	Fines (%): #230 - 13.90	Organics (%):	Carbonates (%):	Shells (%):
Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained	
3/4"	-4.25	19.03	0.00	0.00	0.00	0.00	
5/8"	-4.00	16.00	5.68	4.26	5.68	4.26	
3.5	-2.50	5.66	9.44	7.07	15.12	11.33	
4	-2.25	4.76	1.67	1.25	16.79	12.58	
5	-2.00	4.00	2.01	1.51	18.80	14.09	
7	-1.50	2.83	2.13	1.60	20.93	15.69	
10	-1.00	2.00	2.29	1.72	23.22	17.41	
14	-0.50	1.41	2.72	2.04	25.94	19.45	
18	0.00	1.00	2.55	1.91	28.49	21.36	
25	0.50	0.71	2.72	2.04	31.21	23.40	
35	1.00	0.50	3.60	2.70	34.81	26.10	
45	1.50	0.35	3.84	2.88	38.65	28.98	
60	2.00	0.25	6.83	5.12	45.48	34.10	
80	2.50	0.18	19.15	14.35	64.63	48.45	
120	3.00	0.13	36.12	27.06	100.75	75.51	
170	3.50	0.09	13.27	9.94	114.02	85.45	
230	4.00	0.06	0.87	0.65	114.89	86.10	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
	3.43	2.99	2.53	0.80	-1.41	-3.84	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.2	0.44	2.31	-1.17	2.91		

Depths and elevations corrected for either expansion or
compaction based on judgement



Analyzed By: CM

Elevation (ft):

-11.6 NAVD 88

Comments:

Wet - 10YR-7/1

Shells (%):

C. % Weight Retained

0.00

0.00

1.48

1.83

1.86

2.12

2.50

2.83

3.11

340

3.62

438

576

18.59

80.97

95.86

96.58

Phi 95

1.72

Kurtosis

25.11