



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-V5 #HI-V5-1							
Analysis Date: 03-07-10							
Analyzed By: CM							
Easting (ft): 389,449		Northing (ft): 1,352,521		Coordinate System: Florida State Plane West		Elevation (ft): -6.6 NAVD 88	
USCS: SP		Munsell: Wet - 10YR-8/1		Comments:			
Dry Weight (g): 103.46	Wash Weight (g): 99.72	Pan Retained (g): 0.00	Sieve Loss (%): 0.20	Fines (%): #230 - 3.81	Organics (%):	Carbonates (%): 4.10	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	0.13	0.13	0.13	0.13	
5	-2.00	4.00	0.13	0.13	0.26	0.26	
7	-1.50	2.83	0.23	0.22	0.49	0.48	
10	-1.00	2.00	0.32	0.31	0.81	0.79	
14	-0.50	1.41	0.34	0.33	1.15	1.12	
18	0.00	1.00	0.31	0.30	1.46	1.42	
25	0.50	0.71	0.39	0.38	1.85	1.80	
35	1.00	0.50	0.34	0.33	2.19	2.13	
45	1.50	0.35	0.70	0.68	2.89	2.81	
60	2.00	0.25	2.58	2.49	5.47	5.30	
80	2.50	0.18	53.49	51.70	58.96	57.00	
120	3.00	0.13	38.80	37.50	97.76	94.50	
170	3.50	0.09	1.73	1.67	99.49	96.17	
230	4.00	0.06	0.02	0.02	99.51	96.19	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.15	2.86	2.74	2.43	2.19	2.10	1.94	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	2.38	0.19	0.56	-4.39	30.74		

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Project Name: Humiston & Moore, Honeymoon Island							
Sample Name: HI-V5 #HI-V5-2							
Analysis Date: 03-07-10							
Analyzed By: CM							
Easting (ft): 389,449		Northing (ft): 1,352,521		Coordinate System: Florida State Plane West		Elevation (ft): -9.6 NAVD 88	
USCS: SP-SM		Munsell: Wet - 10YR-7/1		Comments:			
Dry Weight (g): 139.96	Wash Weight (g): 131.10	Pan Retained (g): 0.00	Sieve Loss (%): 0.16	Fines (%): #230 - 6.50	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	1.30	0.93	1.30	0.93	
3.5	-2.50	5.66	3.73	2.67	5.03	3.60	
4	-2.25	4.76	0.21	0.15	5.24	3.75	
5	-2.00	4.00	0.65	0.46	5.89	4.21	
7	-1.50	2.83	1.13	0.81	7.02	5.02	
10	-1.00	2.00	1.16	0.83	8.18	5.85	
14	-0.50	1.41	1.15	0.82	9.33	6.67	
18	0.00	1.00	1.09	0.78	10.42	7.45	
25	0.50	0.71	1.06	0.76	11.48	8.21	
35	1.00	0.50	1.28	0.91	12.76	9.12	
45	1.50	0.35	1.51	1.08	14.27	10.20	
60	2.00	0.25	3.86	2.76	18.13	12.96	
80	2.50	0.18	16.90	12.07	35.03	25.03	
120	3.00	0.13	74.17	52.99	109.20	78.02	
170	3.50	0.09	21.02	15.02	130.22	93.04	
230	4.00	0.06	0.65	0.46	130.87	93.50	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
	3.20	2.97	2.74	2.50	2.13	-1.51	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	2.28	0.21	1.47	-2.92	10.99		

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



Analyzed By: CM

Elevation (ft):

-6.6 NAVD 88

Comments:

Wet - 10YR-7/1

Shells (%):

C. % Weight Retained

0.00

0.00

0.00

0.00

0.00

0 00

0.00

0.00

0.04

0.16

0.27

0.00

000

47.77

Phi 95

1.77

Kurtosis

6.56