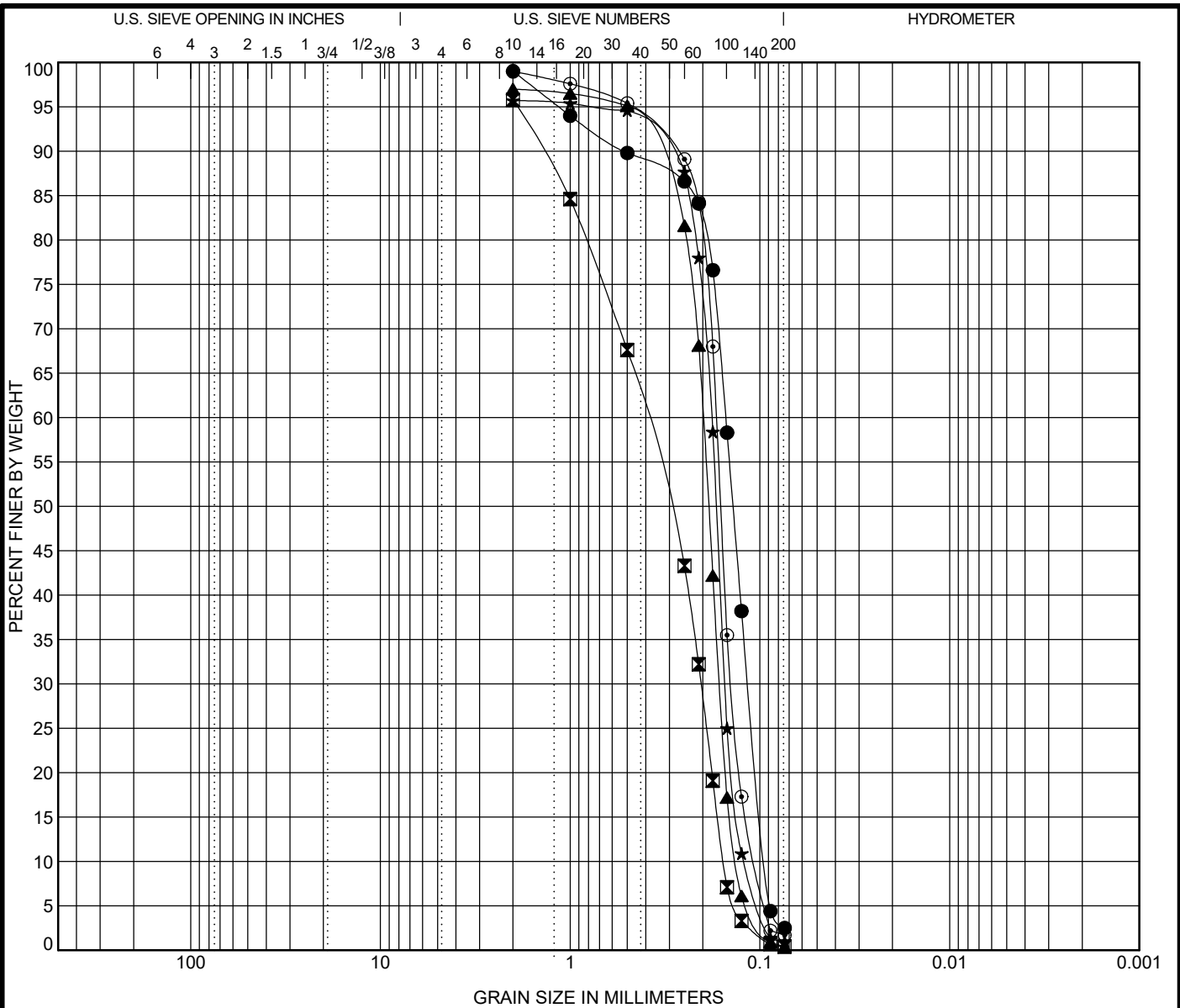


PROJECT NAME: Beach Sediment Analysis
 CLIENT: HDR, Inc.
 SAMPLE ID: BPE-T4
 LOCATION: Bolivar Peninsula East

BOLIVAR PENINSULA EAST						
Transect 4						
ASTM MESH	PERCENT SHELL BY WEIGHT (BASED ON #10 SIEVE)					
	Toe of Dune	Mid Berm	Swash Zone	First Bar	Trough	Second Bar
RETAINED BY #10	13.5	4.6	2.1	7.1	2.3	12.1
ASTM MESH	% FINER BY WEIGHT AFTER REMOVING SHELL					
	Toe of Dune	Mid Berm	Swash Zone	First Bar	Trough	Second Bar
#10	95.8	97.0	95.7	99.0	99.8	93.6
#18	84.6	96.5	95.4	97.6	99.0	78.9
#35	67.6	95.1	94.6	95.4	97.9	71.3
#60	43.3	81.6	87.7	89.1	94.9	65.3
#70	32.2	68.1	78.0	84.3	91.6	61.6
#80	19.1	42.2	58.4	68.0	82.5	49.3
#100	7.1	17.2	25.0	35.5	53.5	28.4
#120	3.3	6.1	10.9	17.3	31.7	14.5
#170	0.7	0.9	1.4	2.2	4.0	2.2
#200	0.4	0.4	1.0	1.7	2.9	1.3
STATISTICS (EXCLUDING SHELL)						
MEDIAN GRAIN SIZE (mm)	0.303	0.186	0.169	0.161	0.145	0.179
MEAN GRAIN SIZE (mm)	0.483	0.205	0.179	0.164	0.143	0.526
SORTING (σ)	1.269	0.589	0.671	0.588	0.463	--
Munsell Color	Pale Brown	Pale Brown	Brown	Brown	Brown	Yellowish Brown



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen ID	Depth	Classification					LL	PL	PI	Cc	Cu
● BPE-T3-Second Bar	0.0'	POORLY GRADED SAND								0.93	1.62
⊠ BPE-T4-Toe of Dune	0.0'	POORLY GRADED SAND								0.67	2.59
▲ BPE-T4-Mid Berm	0.0'	POORLY GRADED SAND								1.00	1.50
★ BPE-T4-Swash Zone	0.0'	POORLY GRADED SAND								1.08	1.48
⊙ BPE-T4-First Bar	0.0'	POORLY GRADED SAND								1.12	1.61
Specimen ID	Depth	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay		
● BPE-T3-Second Bar	0.0'	2	0.151	0.115	0.093	0.0					
⊠ BPE-T4-Toe of Dune	0.0'	2	0.403	0.204	0.155	0.0					
▲ BPE-T4-Mid Berm	0.0'	2	0.199	0.163	0.133	0.0					
★ BPE-T4-Swash Zone	0.0'	2	0.179	0.153	0.121	0.0					
⊙ BPE-T4-First Bar	0.0'	2	0.17	0.141	0.105	0.0					

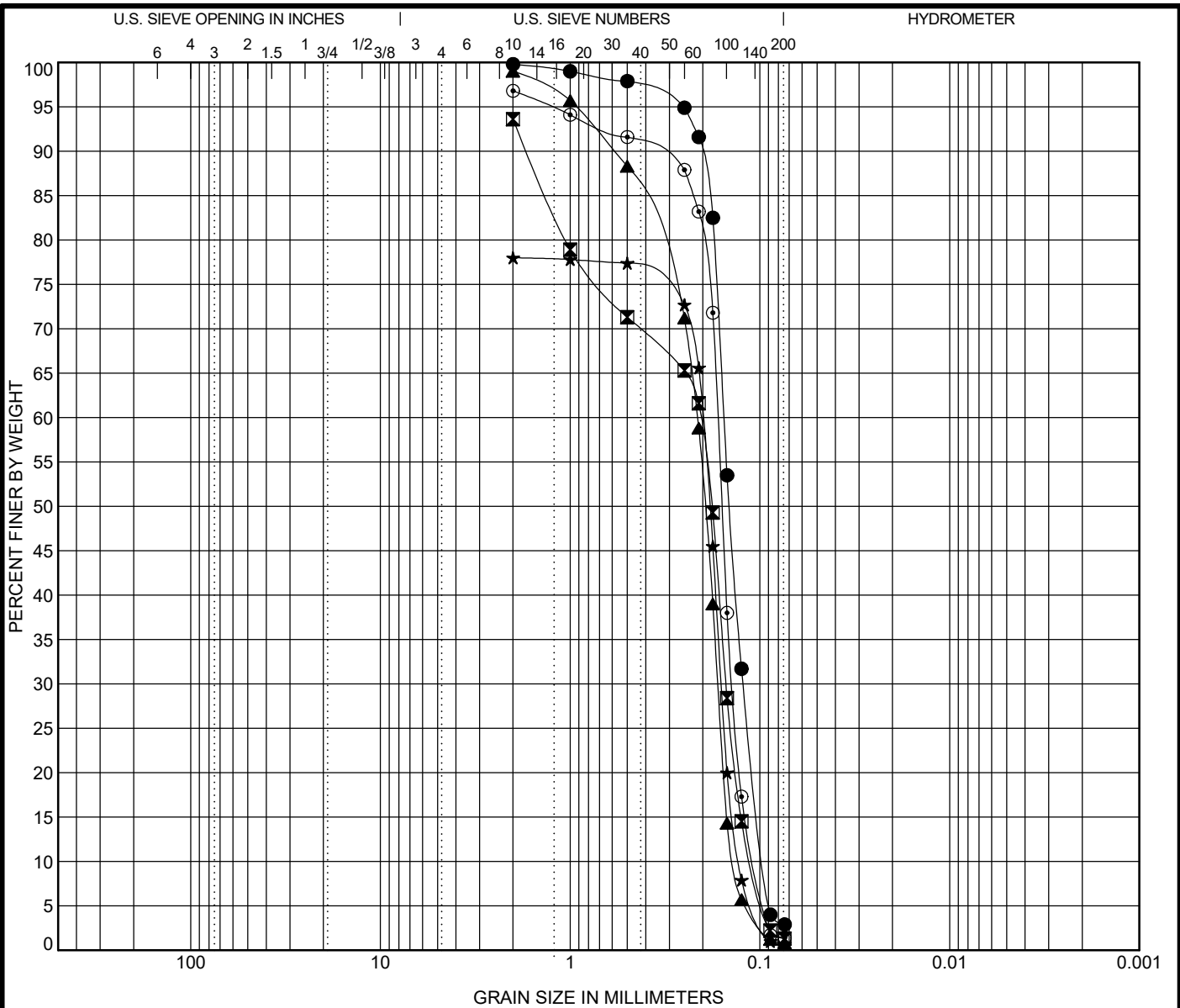
US GRAIN SIZE 1 G122361.BPE.GPJ US LAB.GDT 8/22/22



Rock Engineering & Testing Lab. Inc
 6817 Leopard Street
 Corpus Christi, Texas 78409
 Telephone: 361-883-4555
 Fax: 361-883-4711

GRAIN SIZE DISTRIBUTION

Project: Beach Sediment Analysis
 Location: Bolivar Peninsula East, Texas
 Number: G122361



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen ID	Depth	Classification	LL	PL	PI	Cc	Cu
● BPE-T4-Trough	0.0'	POORLY GRADED SAND				1.02	1.63
⊠ BPE-T4-Second Bar	0.0'	POORLY GRADED SAND				1.01	1.87
▲ BPE-T5-Toe of Dune	0.0'	POORLY GRADED SAND				0.95	1.56
★ BPE-T5-Mid Berm	0.0'	POORLY GRADED SAND				0.98	1.55
⊙ BPE-T5-Swash Zone	0.0'	POORLY GRADED SAND				1.10	1.57

Specimen ID	Depth	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
● BPE-T4-Trough	0.0'	2	0.155	0.122	0.095	0.0			
⊠ BPE-T4-Second Bar	0.0'	2	0.205	0.151	0.11	0.0			
▲ BPE-T5-Toe of Dune	0.0'	2	0.214	0.166	0.136	0.0			
★ BPE-T5-Mid Berm	0.0'	2	0.2	0.159	0.129	0.0			
⊙ BPE-T5-Swash Zone	0.0'	2	0.167	0.139	0.106	0.0			



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