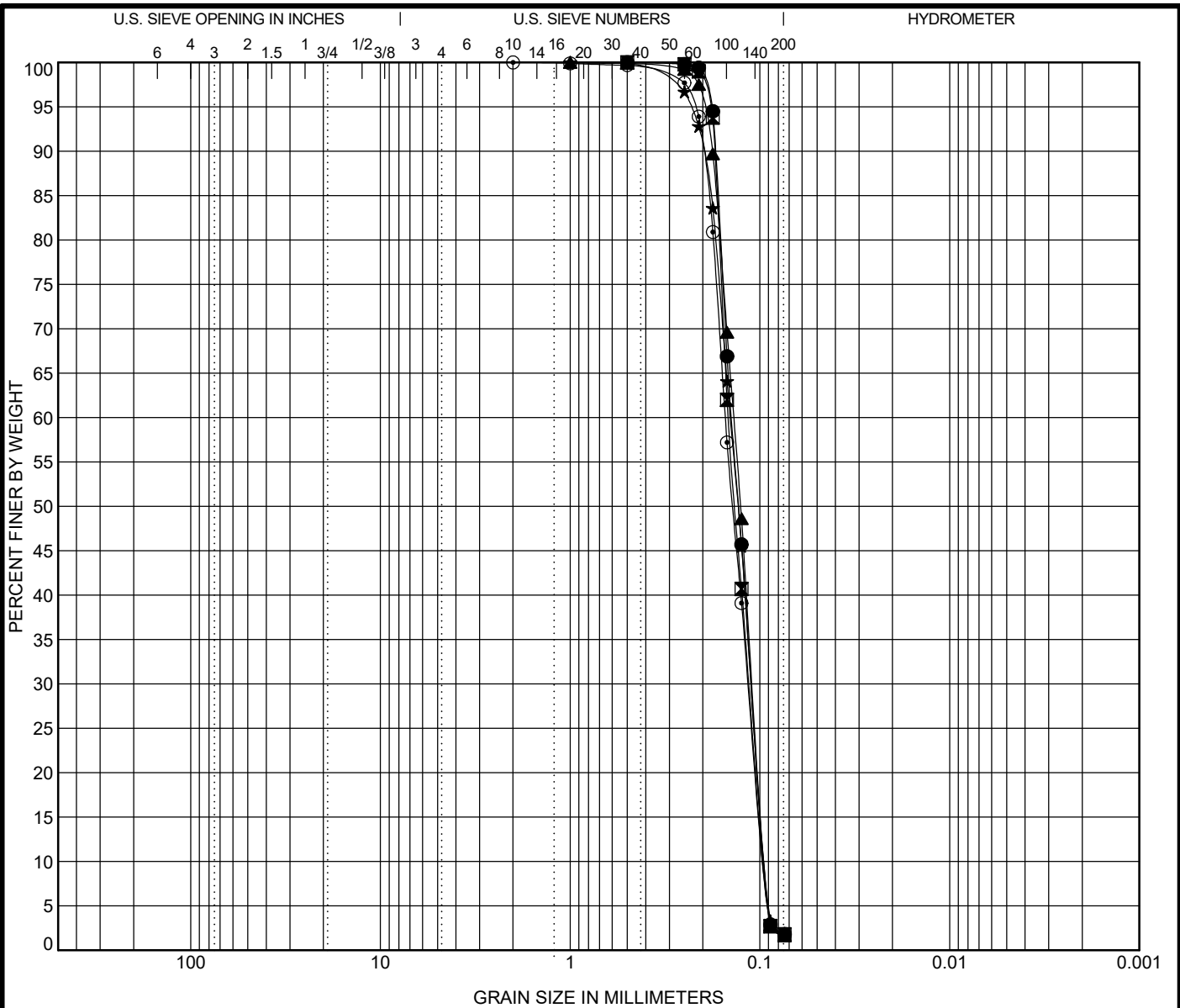


PROJECT NAME: Beach Sediment Analysis
 CLIENT: HDR, Inc.
 SAMPLE ID: MIN-T1
 LOCATION: Mustang Island North


MUSTANG ISLAND NORTH						
Transect 1						
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	0.0	0.0	0.0	0.0	0.2	0.1
ASTM MESH	% FINER BY WEIGHT AFTER REMOVING SHELL					
	Toe of Dune	Mid Berm	Swash Zone	First Bar	Trough	Second Bar
#10	100.0	100.0	100.0	100.0	100.0	100.0
#18	100.0	100.0	100.0	100.0	99.9	99.8
#35	100.0	100.0	99.9	99.9	99.7	99.0
#60	99.8	99.8	99.2	96.7	97.7	96.7
#70	99.4	99.0	97.5	92.8	93.9	94.3
#80	94.5	93.8	89.7	83.6	80.9	88.4
#100	66.9	62.0	69.6	64.1	57.2	74.2
#120	45.7	40.7	48.6	45.5	39.1	58.8
#170	2.9	2.7	2.8	3.3	2.8	4.3
#200	1.8	1.8	1.6	1.9	1.7	2.0
STATISTICS (EXCLUDING SHELL)						
MEDIAN GRAIN SIZE (mm)	0.130	0.135	0.126	0.130	0.139	0.118
MEAN GRAIN SIZE (mm)	0.131	0.134	0.131	0.135	0.141	0.127
SORTING (σ)	0.357	0.359	0.394	0.446	0.436	0.427
Munsell Color	Light Brownish Gray	Gray	Grayish Brown	Grayish Brown	Gray	Gray



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen ID	Depth	Classification	LL	PL	PI	Cc	Cu
● MIN-T1-Toe of Dune	0.0'	POORLY GRADED SAND				0.92	1.51
☒ MIN-T1-Mid Berm	0.0'	POORLY GRADED SAND				0.93	1.56
▲ MIN-T1-Swash Zone	0.0'	POORLY GRADED SAND				0.92	1.48
★ MIN-T1-First Bar	0.0'	POORLY GRADED SAND				0.91	1.54
◎ MIN-T1-Trough	0.0'	POORLY GRADED SAND				0.91	1.61

Specimen ID	Depth	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
● MIN-T1-Toe of Dune	0.0'	0.5	0.141	0.11	0.093	0.0			
☒ MIN-T1-Mid Berm	0.0'	0.5	0.147	0.113	0.094	0.0			
▲ MIN-T1-Swash Zone	0.0'	1	0.138	0.108	0.093	0.0			
★ MIN-T1-First Bar	0.0'	1	0.143	0.11	0.093	0.0			
◎ MIN-T1-Trough	0.0'	2	0.152	0.114	0.094	0.0			

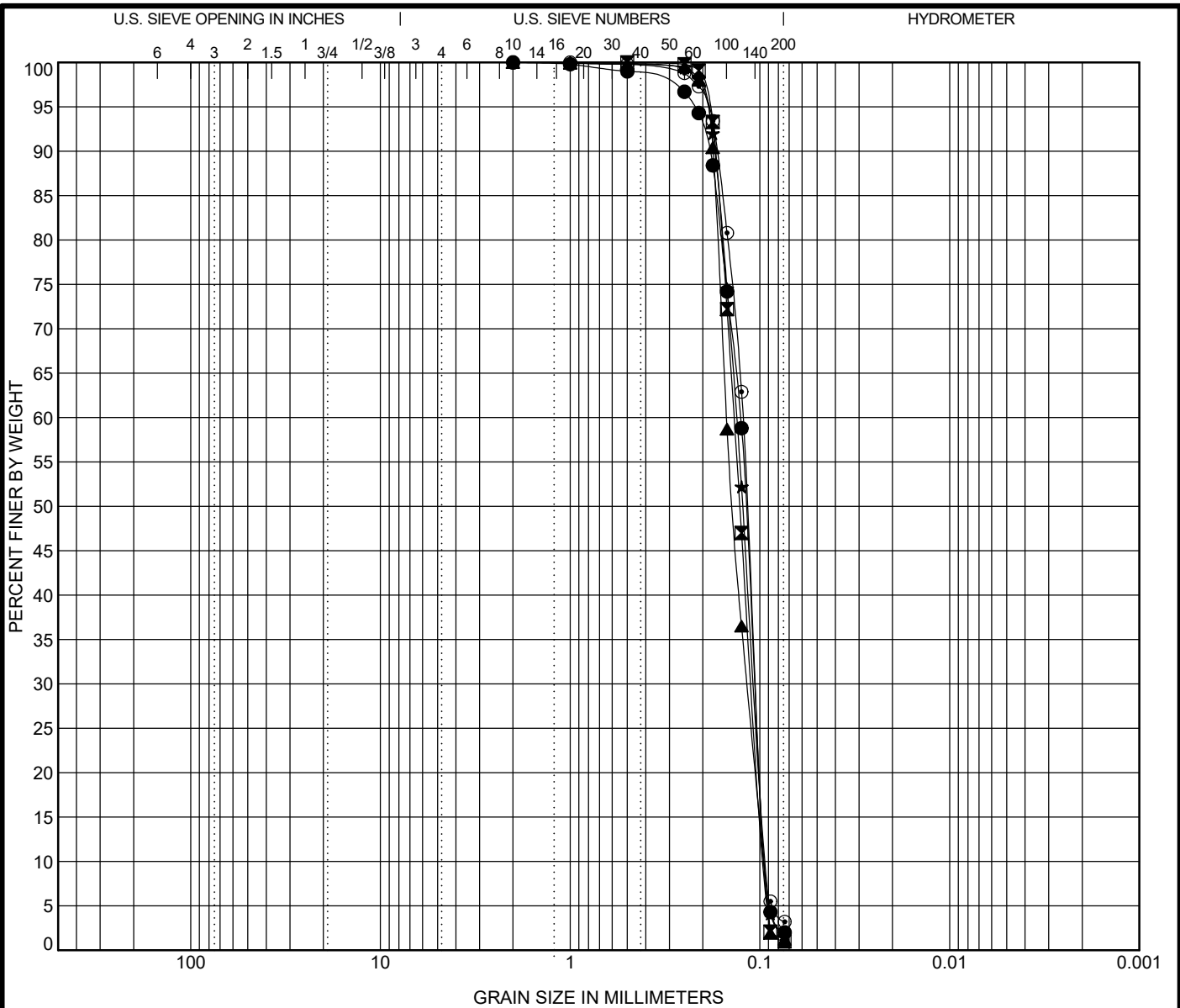


Rock Engineering & Testing Lab. LLC.
6817 Leopard Street
Corpus Christi, Texas 78409 Telephone:
361-883-4555
Fax: 361-883-4711

GRAIN SIZE DISTRIBUTION

Project: Beach Sediment Analysis
Location: Mustang Island North, Texas
Number: G122361


US GRAIN SIZE & G122361 MIN.GPJ US LAB.GDT 8/12/22



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen ID	Depth	Classification	LL	PL	PI	Cc	Cu
● MIN-T1-Second Bar	0.0'	POORLY GRADED SAND				0.93	1.39
☒ MIN-T2-Toe of Dune	0.0'	POORLY GRADED SAND				0.94	1.46
▲ MIN-T2-Mid Berm	0.0'	POORLY GRADED SAND				0.96	1.57
★ MIN-T2-Swash Zone	0.0'	POORLY GRADED SAND				0.93	1.45
◎ MIN-T2-First Bar	0.0'	POORLY GRADED SAND				0.94	1.36

Specimen ID	Depth	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
● MIN-T1-Second Bar	0.0'	2	0.127	0.104	0.091	0.0			
☒ MIN-T2-Toe of Dune	0.0'	0.5	0.137	0.109	0.094	0.0			
▲ MIN-T2-Mid Berm	0.0'	2	0.15	0.117	0.096	0.0			
★ MIN-T2-Swash Zone	0.0'	1	0.133	0.106	0.092	0.0			
◎ MIN-T2-First Bar	0.0'	1	0.123	0.102	0.09	0.0			



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