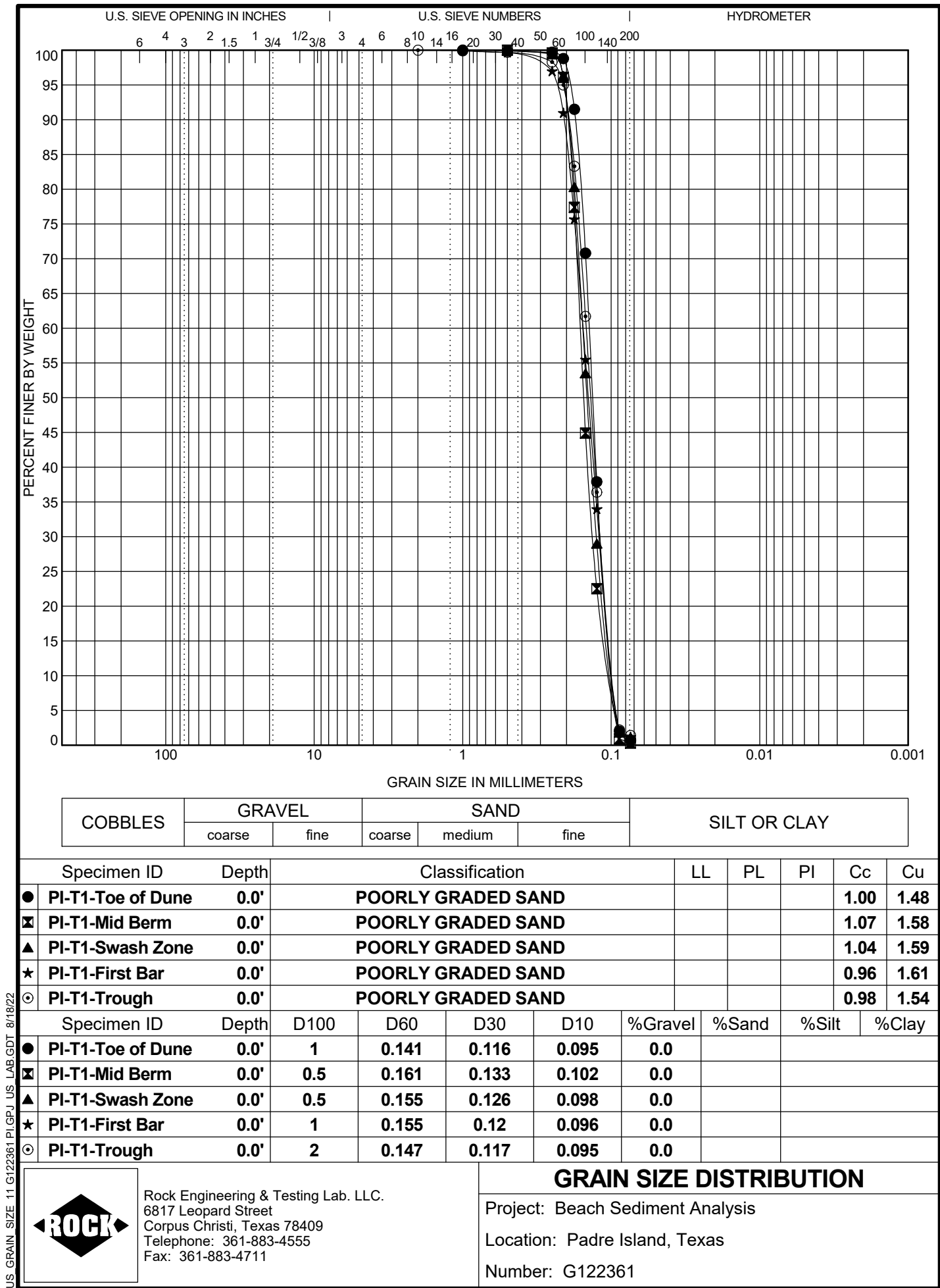
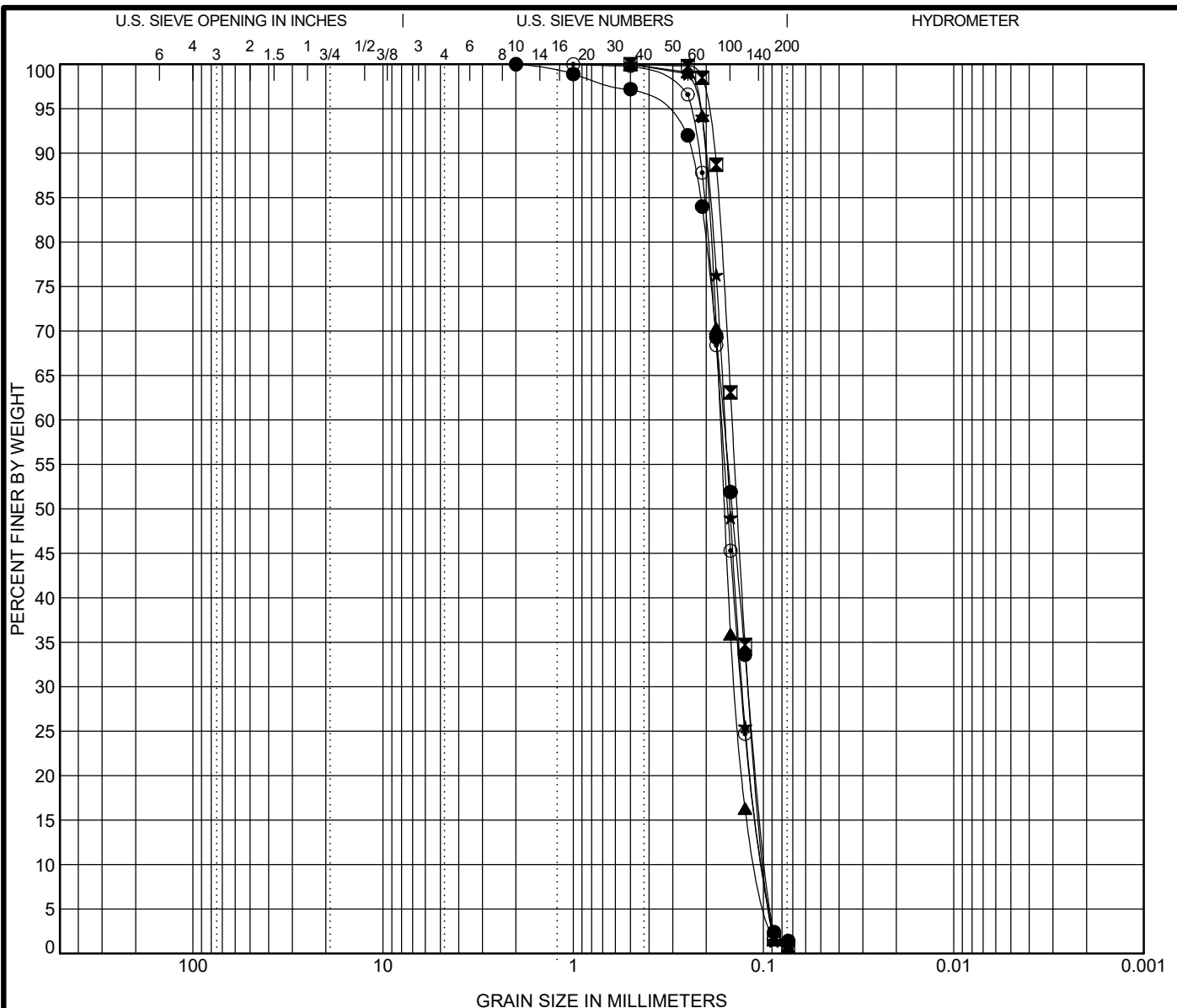


PROJECT NAME: Beach Sediment Analysis
 CLIENT: HDR, Inc.
 SAMPLE ID: PI-T1
 LOCATION: Padre Island

PADRE ISLAND						
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	0.1	0.4
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	98.9
#35	99.9	100.0	100.0	99.7	99.7	97.2
#60	99.7	99.6	99.4	97.0	98.3	92.0
#70	98.8	96.1	96.3	91.0	95.0	84.0
#80	91.5	77.4	80.3	75.7	83.3	69.3
#100	70.8	44.9	53.5	55.5	61.7	51.9
#120	37.9	22.5	29.0	34.0	36.4	33.6
#170	2.0	0.9	1.8	2.0	2.2	2.4
#200	0.7	0.3	1.1	1.2	1.4	1.4
STATISTICS (EXCLUDING SHELL)						
MEDIAN GRAIN SIZE (mm)	0.133	0.153	0.145	0.142	0.137	0.146
MEAN GRAIN SIZE (mm)	0.133	0.151	0.145	0.146	0.139	0.153
SORTING (σ)	0.359	0.378	0.394	0.457	0.407	0.596
Munsell Color	Very Pale Brown	Very Pale Brown	Light Gray	Grayish Brown	Light Gray	Grayish Brown





COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen ID	Depth	Classification				LL	PL	PI	Cc	Cu
● PI-T1-Second Bar	0.0'	POORLY GRADED SAND							0.93	1.68
⊠ PI-T2-Toe of Dune	0.0'	POORLY GRADED SAND							1.01	1.52
▲ PI-T2-Mid Berm	0.0'	POORLY GRADED SAND							1.10	1.56
★ PI-T2-Swash Zone	0.0'	POORLY GRADED SAND							1.05	1.60
⊙ PI-T2-First Bar	0.0'	POORLY GRADED SAND							1.03	1.66
Specimen ID	Depth	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay	
● PI-T1-Second Bar	0.0'	2	0.161	0.12	0.096	0.0				
⊠ PI-T2-Toe of Dune	0.0'	0.5	0.146	0.119	0.096	0.0				
▲ PI-T2-Mid Berm	0.0'	0.5	0.168	0.141	0.108	0.0				
★ PI-T2-Swash Zone	0.0'	0.5	0.16	0.129	0.1	0.0				
⊙ PI-T2-First Bar	0.0'	1	0.166	0.131	0.1	0.0				



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GRAIN SIZE DISTRIBUTION

Project: Beach Sediment Analysis

Location: Padre Island, Texas

Number: G122361