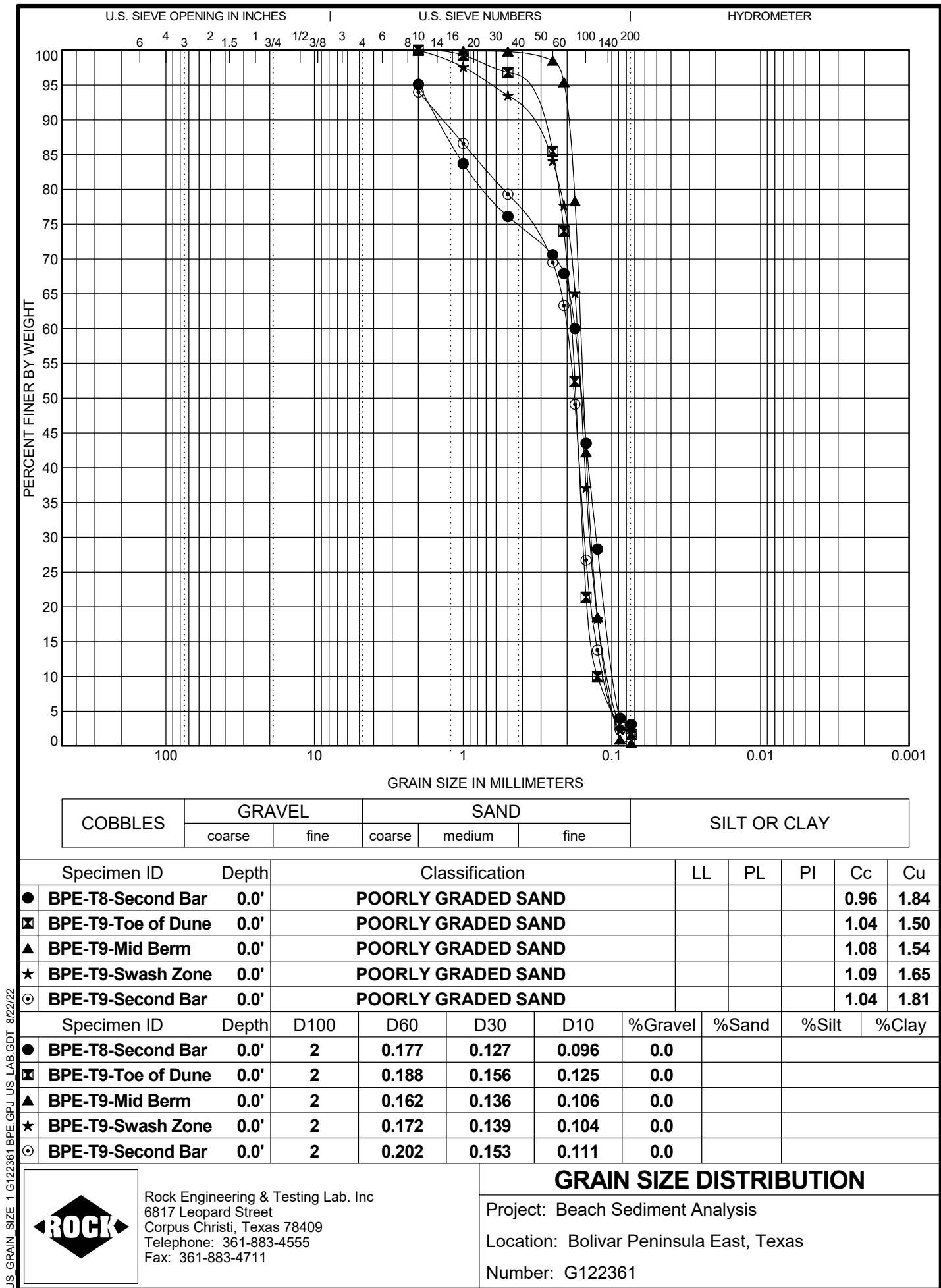
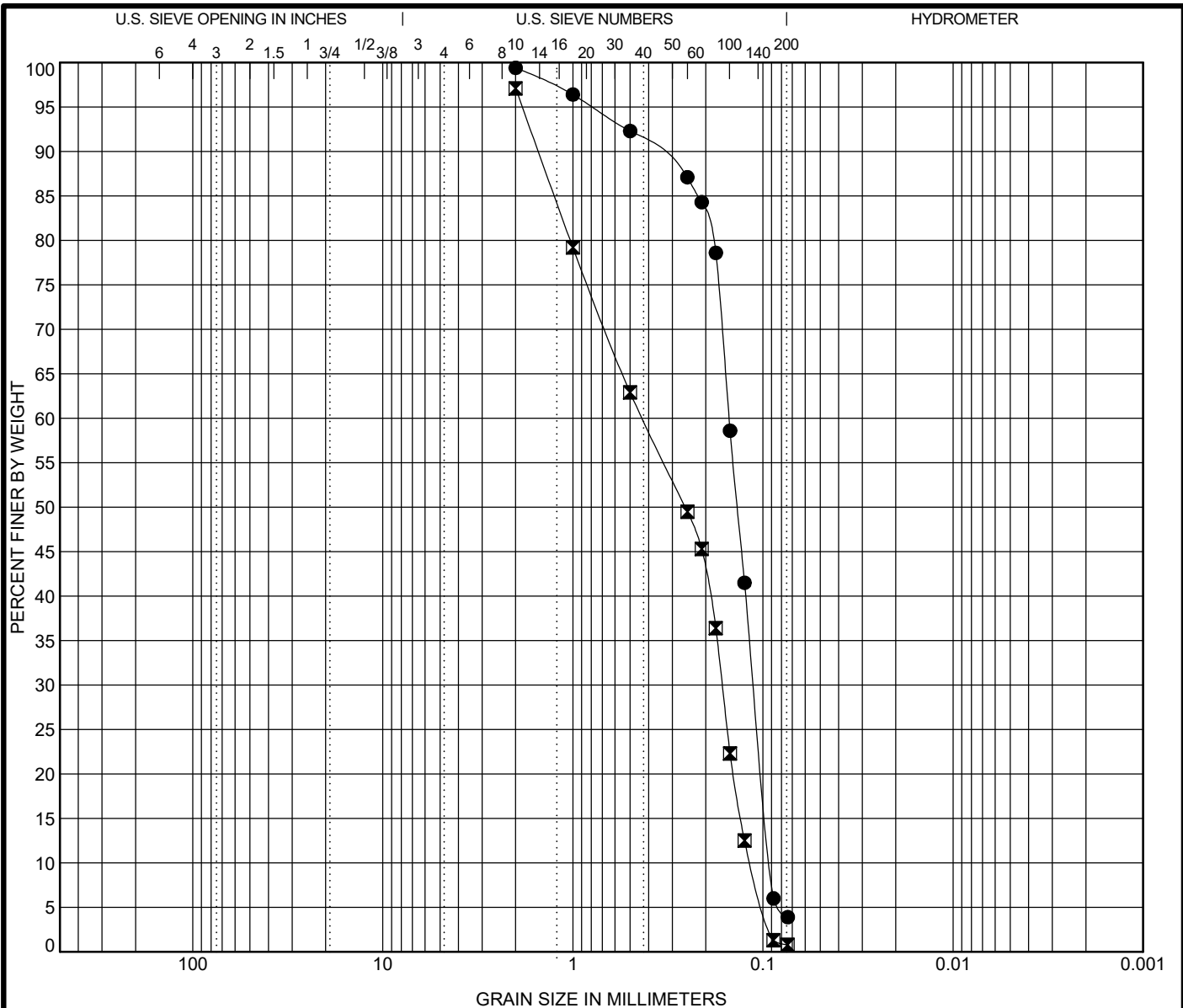


PROJECT NAME: Beach Sediment Analysis
 CLIENT: HDR, Inc.
 SAMPLE ID: BPE-T9
 LOCATION: Bolivar Peninsula East

BOLIVAR PENINSULA EAST						
Transect 9						
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	0.1	0.3	3.5	15.5	2.4	18.5
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	94.0	99.4	97.1
#18	99.3	99.9	97.6	86.6	96.4	79.2
#35	96.8	99.8	93.5	79.3	92.3	62.9
#60	85.5	98.5	84.1	69.5	87.1	49.5
#70	74.0	95.4	77.7	63.3	84.3	45.3
#80	52.4	78.3	65.1	49.1	78.6	36.4
#100	21.4	42.2	37.1	26.7	58.6	22.3
#120	10.0	18.5	18.3	13.8	41.5	12.5
#170	3.1	0.9	2.3	2.3	6.0	1.3
#200	1.7	0.4	2.0	1.7	3.9	0.8
STATISTICS (EXCLUDING SHELL)						
MEDIAN GRAIN SIZE (mm)	0.175	0.155	0.161	0.179	0.136	0.257
MEAN GRAIN SIZE (mm)	0.185	0.154	0.176	0.363	0.147	0.531
SORTING (σ)	0.576	0.353	0.732	--	0.822	1.498
Munsell Color	Pale Brown	Pale Brown	Brown	Brown	Brown	Gray



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



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen ID	Depth	Classification				LL	PL	PI	Cc	Cu
● BPE-T9-Trough	0.0'	POORLY GRADED SAND							0.90	1.65
☒ BPE-T9-First Bar	0.0'	POORLY GRADED SAND							0.54	3.72
Specimen ID	Depth	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay	
● BPE-T9-Trough	0.0'	2	0.151	0.112	0.092	0.0				
☒ BPE-T9-First Bar	0.0'	2	0.43	0.164	0.116	0.0				



Rock Engineering & Testing Lab, Inc
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GRAIN SIZE DISTRIBUTION

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