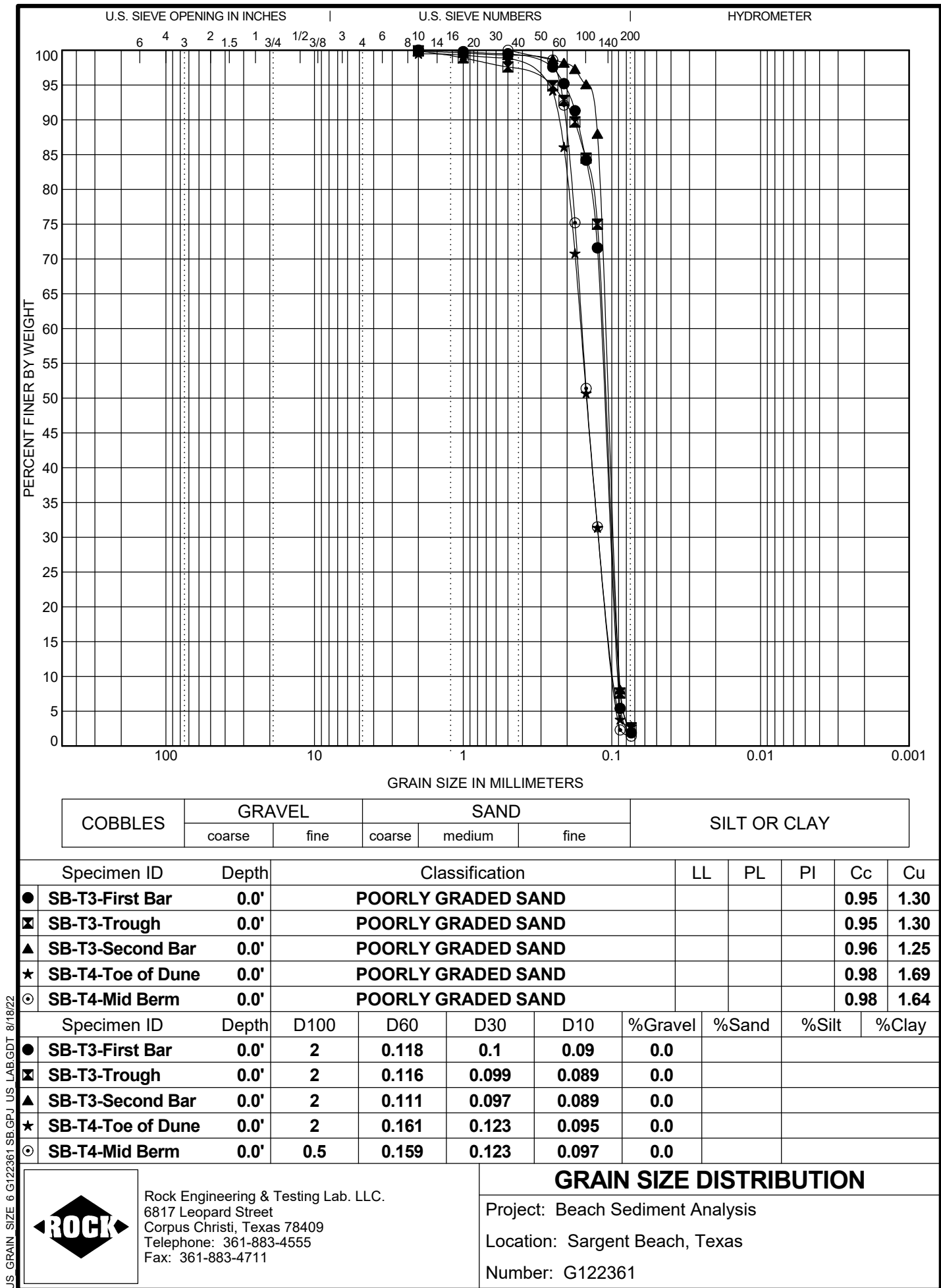
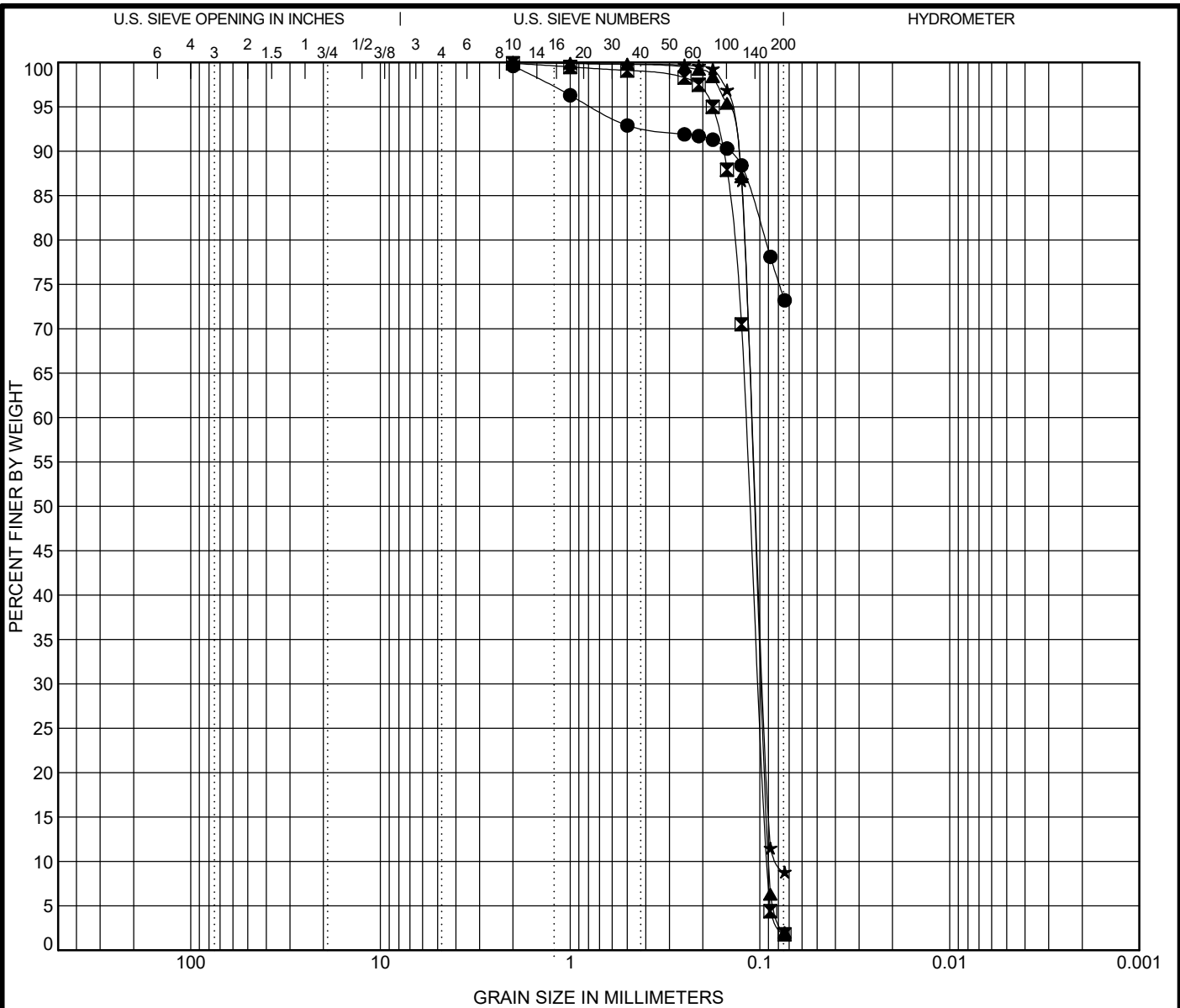


PROJECT NAME: Beach Sediment Analysis
 CLIENT: HDR, Inc.
 SAMPLE ID: SB-T4
 LOCATION: Sargent Beach

SARGENT BEACH						
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	1.9	0.0	2.0	0.2	0.0	0.0
ASTM MESH	% FINER BY WEIGHT AFTER REMOVING SHELL					
	Toe of Dune	Mid Berm	Swash Zone	First Bar	Trough	Second Bar
#10	99.5	100.0	99.6	99.9	100.0	100.0
#18	99.3	100.0	96.3	99.5	99.9	99.9
#35	98.9	100.0	92.9	99.1	99.8	99.8
#60	94.2	98.6	91.9	98.3	99.5	99.7
#70	86.1	92.1	91.7	97.5	99.2	99.6
#80	70.8	75.2	91.3	95.0	98.4	99.3
#100	50.7	51.4	90.3	87.9	95.4	96.9
#120	31.4	31.5	88.4	70.5	87.1	86.7
#170	3.8	2.3	78.1	4.4	6.3	11.5
#200	2.8	1.4	73.2	1.8	2.0	8.8
STATISTICS (EXCLUDING SHELL)						
MEDIAN GRAIN SIZE (mm)	0.148	0.147	--	0.112	0.106	0.105
MEAN GRAIN SIZE (mm)	0.152	0.148	--	0.116	0.107	0.106
SORTING (σ)	0.525	0.443	--	0.319	0.241	--
Munsell Color	Very Pale Brown	Very Pale Brown	Dark Reddish Brown	Light Reddish Brown	Reddish Brown	Reddish Brown





COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen ID	Depth	Classification	LL	PL	PI	Cc	Cu
● SB-T4-Swash Zone	0.0'	LEAN CLAY with SAND				--	--
☒ SB-T4-First Bar	0.0'	POORLY GRADED SAND				0.95	1.30
▲ SB-T4-Trough	0.0'	POORLY GRADED SAND				0.96	1.24
★ SB-T4-Second Bar	0.0'	POORLY GRADED SAND with SILT				1.04	1.38
						--	--

Specimen ID	Depth	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
● SB-T4-Swash Zone	0.0'	2	--	--	--	0.0			
☒ SB-T4-First Bar	0.0'	2	0.118	0.101	0.091	0.0			
▲ SB-T4-Trough	0.0'	2	0.111	0.098	0.089	0.0			
★ SB-T4-Second Bar	0.0'	2	0.11	0.096	0.08	0.0			



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GRAIN SIZE DISTRIBUTION

Project: Beach Sediment Analysis
Location: Sargent Beach, Texas
Number: G122361

US GRAIN SIZE 6 G122361 SB.GPJ US LAB.GDT 8/18/22