

SAMPLE STATISTICS

SAMPLE IDENTITY: **PEN-93-5_175**

ANALYST & DATE: TB/RM, 7/31/1993

SAMPLE TYPE: Bimodal, Moderately Well Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Moderately Well Sorted Medium Sand

	μm	ϕ	GRAIN SIZE DISTRIBUTION			
MODE 1:	460.0	1.126	GRAVEL: 0.0%	COARSE SAND: 30.0%		
MODE 2:	273.5	1.876	SAND: 100.0%	MEDIUM SAND: 61.3%		
MODE 3:			MUD: 0.0%	FINE SAND: 7.0%		
D ₁₀ :	257.1	0.642		V FINE SAND: 0.8%		
MEDIAN or D ₅₀ :	421.0	1.248	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.0%		
D ₉₀ :	640.7	1.959	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
(D ₉₀ / D ₁₀):	2.492	3.051	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
(D ₉₀ - D ₁₀):	383.6	1.317	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
(D ₇₅ / D ₂₅):	1.705	1.839	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
(D ₇₅ - D ₂₅):	218.8	0.769	V COARSE SAND: 0.9%	CLAY: 0.0%		
	METHOD OF MOMENTS			FOLK & WARD METHOD		
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	μm	μm	ϕ	μm	ϕ	
MEAN (\bar{x}):	437.6	404.9	1.304	406.9	1.297	Medium Sand
SORTING (σ):	168.7	1.480	0.566	1.464	0.550	Moderately Well Sorted
SKEWNESS (Sk):	1.007	-0.365	0.365	-0.126	0.126	Fine Skewed
KURTOSIS (K):	4.885	3.554	3.554	1.002	1.002	Mesokurtic

GRAIN SIZE DISTRIBUTION

