

SAMPLE STATISTICS

SAMPLE IDENTITY: **PEN-92-1_500**

ANALYST & DATE: TB/RM, 11.025

SAMPLE TYPE: Polymodal, Poorly Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Poorly Sorted Coarse Sand

	μm	ϕ	GRAIN SIZE DISTRIBUTION			
MODE 1:	920.5	0.125	GRAVEL: 0.0%	COARSE SAND: 33.7%		
MODE 2:	547.5	0.875	SAND: 99.5%	MEDIUM SAND: 21.2%		
MODE 3:	273.5	1.876	MUD: 0.5%	FINE SAND: 22.8%		
D_{10} :	145.4	-0.150		V FINE SAND: 5.2%		
MEDIAN or D_{50} :	503.4	0.990	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.5%		
D_{90} :	1109.9	2.782	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
(D_{90} / D_{10}) :	7.632	-18.498	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
$(D_{90} - D_{10})$:	964.4	2.932	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
(D_{75} / D_{25}) :	4.106	12.51	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
$(D_{75} - D_{25})$:	669.1	2.038	V COARSE SAND: 16.6%	CLAY: 0.0%		
	METHOD OF MOMENTS			FOLK & WARD METHOD		
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	μm	μm	ϕ	μm	ϕ	
MEAN (\bar{x}):	566.6	433.0	1.208	443.6	1.173	Medium Sand
SORTING (σ):	370.3	2.180	1.125	2.209	1.143	Poorly Sorted
SKEWNESS (Sk):	0.440	-0.342	0.342	-0.226	0.226	Fine Skewed
KURTOSIS (K):	1.901	1.929	1.929	0.670	0.670	Very Platykurtic

GRAIN SIZE DISTRIBUTION

