

SAMPLE STATISTICS

SAMPLE IDENTITY: **PEN-91-11_100**

ANALYST & DATE: TC/RM, 8/20/91

SAMPLE TYPE: Bimodal, Moderately Well Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Moderately Well Sorted Medium Sand

	μm	ϕ	GRAIN SIZE DISTRIBUTION			
MODE 1:	273.5	1.876	GRAVEL: 0.0%	COARSE SAND: 5.9%		
MODE 2:	193.5	2.375	SAND: 100.0%	MEDIUM SAND: 51.5%		
MODE 3:			MUD: 0.0%	FINE SAND: 41.3%		
D_{10} :	170.2	1.165		V FINE SAND: 1.2%		
MEDIAN or D_{50} :	262.2	1.931	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.0%		
D_{90} :	446.0	2.554	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
(D_{90} / D_{10}) :	2.620	2.193	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
$(D_{90} - D_{10})$:	275.8	1.390	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
(D_{75} / D_{25}) :	1.595	1.412	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
$(D_{75} - D_{25})$:	120.3	0.673	V COARSE SAND: 0.0%	CLAY: 0.0%		
	METHOD OF MOMENTS			FOLK & WARD METHOD		
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	μm	μm	ϕ	μm	ϕ	
MEAN (\bar{x}):	284.2	263.9	1.922	264.2	1.920	Medium Sand
SORTING (σ):	114.6	1.444	0.530	1.444	0.530	Moderately Well Sorted
SKEWNESS (Sk):	1.497	0.298	-0.298	0.074	-0.074	Symmetrical
KURTOSIS (K):	5.808	3.360	3.360	1.081	1.081	Mesokurtic

GRAIN SIZE DISTRIBUTION

