

SIEVING ERROR: 0.4%

SAMPLE STATISTICSSAMPLE IDENTITY: **PEN-93-1_400**

ANALYST & DATE: TB/RM, 7/29/1993

SAMPLE TYPE: Trimodal, Moderately Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Moderately Sorted Medium Sand

	μm	ϕ	GRAIN SIZE DISTRIBUTION			
MODE 1:	273.5	1.876	GRAVEL: 0.0%	COARSE SAND: 16.2%		
MODE 2:	193.5	2.375	SAND: 99.8%	MEDIUM SAND: 42.9%		
MODE 3:	460.0	1.126	MUD: 0.2%	FINE SAND: 35.0%		
D_{10} :	139.3	0.822		V FINE SAND: 5.5%		
MEDIAN or D_{50} :	275.8	1.858	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.2%		
D_{90} :	565.6	2.844	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
(D_{90} / D_{10}) :	4.060	3.459	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
$(D_{90} - D_{10})$:	426.3	2.022	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
(D_{75} / D_{25}) :	2.321	2.000	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
$(D_{75} - D_{25})$:	245.2	1.215	V COARSE SAND: 0.3%	CLAY: 0.0%		
	METHOD OF MOMENTS			FOLK & WARD METHOD		
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	μm	μm	ϕ	μm	ϕ	
MEAN (\bar{x}):	323.9	279.9	1.837	280.7	1.833	Medium Sand
SORTING (σ):	178.7	1.708	0.773	1.727	0.788	Moderately Sorted
SKEWNESS (Sk):	1.206	0.031	-0.031	0.039	-0.039	Symmetrical
KURTOSIS (K):	4.502	2.466	2.466	0.828	0.828	Platykurtic

GRAIN SIZE DISTRIBUTION