

SIEVING ERROR: 0.3%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-93-2\_100**

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

SAMPLE TYPE: Trimodal, Moderately Well Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Moderately Well Sorted Fine Sand

	$\mu\text{m}$	$\phi$	GRAIN SIZE DISTRIBUTION			
MODE 1:	273.5	1.876	GRAVEL: 0.0%	COARSE SAND: 7.8%		
MODE 2:	193.5	2.375	SAND: 99.5%	MEDIUM SAND: 39.9%		
MODE 3:	460.0	1.126	MUD: 0.5%	FINE SAND: 48.0%		
$D_{10}$ :	149.6	1.087		V FINE SAND: 3.5%		
MEDIAN or $D_{50}$ :	243.1	2.041	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.5%		
$D_{90}$ :	470.7	2.741	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
$(D_{90} / D_{10})$ :	3.147	2.521	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
$(D_{90} - D_{10})$ :	321.1	1.654	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
$(D_{75} / D_{25})$ :	1.684	1.447	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
$(D_{75} - D_{25})$ :	126.5	0.752	V COARSE SAND: 0.3%	CLAY: 0.0%		
	METHOD OF MOMENTS			FOLK & WARD METHOD		
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	$\mu\text{m}$	$\mu\text{m}$	$\phi$	$\mu\text{m}$	$\phi$	
MEAN ( $\bar{x}$ ):	276.6	247.9	2.012	250.3	1.998	Medium Sand
SORTING ( $\sigma$ ):	142.9	1.563	0.645	1.547	0.630	Moderately Well Sorted
SKEWNESS ( $Sk$ ):	2.108	0.330	-0.330	0.119	-0.119	Coarse Skewed
KURTOSIS ( $K$ ):	9.958	3.642	3.642	1.155	1.155	Leptokurtic

**GRAIN SIZE DISTRIBUTION**