

SIEVING ERROR: 0.3%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-93-3\_200**

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

SAMPLE TYPE: Bimodal, Moderately Well Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Moderately Well Sorted Medium Sand

	$\mu\text{m}$	$\phi$	GRAIN SIZE DISTRIBUTION			
MODE 1:	460.0	1.126	GRAVEL: 0.0%	COARSE SAND: 31.1%		
MODE 2:	273.5	1.876	SAND: 99.6%	MEDIUM SAND: 56.8%		
MODE 3:			MUD: 0.4%	FINE SAND: 9.4%		
$D_{10}$ :	236.0	0.603		V FINE SAND: 1.4%		
MEDIAN or $D_{50}$ :	418.7	1.256	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.4%		
$D_{90}$ :	658.3	2.083	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
$(D_{90} / D_{10})$ :	2.789	3.453	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
$(D_{90} - D_{10})$ :	422.3	1.480	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
$(D_{75} / D_{25})$ :	1.798	1.939	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
$(D_{75} - D_{25})$ :	237.6	0.846	V COARSE SAND: 0.9%	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 ( $\bar{x}$ ):	434.6	395.2	1.339	402.3	1.314	Medium Sand
SORTING ( $\sigma$ ):	181.2	1.565	0.646	1.512	0.596	Moderately Well Sorted
SKEWNESS ( $Sk$ ):	0.945	-0.761	0.761	-0.150	0.150	Fine Skewed
KURTOSIS ( $K$ ):	4.869	4.783	4.783	0.995	0.995	Mesokurtic

**GRAIN SIZE DISTRIBUTION**