

SIEVING ERROR: 0.5%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-93-2\_250**

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

SAMPLE TYPE: Trimodal, Moderately Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Moderately Sorted Medium Sand

	$\mu\text{m}$	$\phi$	GRAIN SIZE DISTRIBUTION			
MODE 1:	273.5	1.876	GRAVEL: 0.0%	COARSE SAND: 27.1%		
MODE 2:	193.5	2.375	SAND: 99.8%	MEDIUM SAND: 35.0%		
MODE 3:	547.5	0.875	MUD: 0.2%	FINE SAND: 31.3%		
$D_{10}$ :	165.4	0.327		V FINE SAND: 2.3%		
MEDIAN or $D_{50}$ :	305.7	1.710	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.2%		
$D_{90}$ :	797.2	2.596	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
$(D_{90} / D_{10})$ :	4.821	7.938	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
$(D_{90} - D_{10})$ :	631.8	2.269	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
$(D_{75} / D_{25})$ :	2.654	2.656	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
$(D_{75} - D_{25})$ :	345.7	1.408	V COARSE SAND: 4.1%	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 ( $\bar{x}$ ):	415.0	342.6	1.546	336.0	1.573	Medium Sand
SORTING ( $\sigma$ ):	270.1	1.839	0.879	1.844	0.883	Moderately Sorted
SKEWNESS ( $Sk$ ):	1.409	0.185	-0.185	0.208	-0.208	Coarse Skewed
KURTOSIS ( $K$ ):	5.032	2.371	2.371	0.805	0.805	Platykurtic

**GRAIN SIZE DISTRIBUTION**