

SIEVING ERROR: 0.4%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-93-2\_50**

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

SAMPLE TYPE: Bimodal, 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: 7.6%		
MODE 2:	193.5	2.375	SAND: 99.6%	MEDIUM SAND: 40.6%		
MODE 3:			MUD: 0.4%	FINE SAND: 48.1%		
$D_{10}$ :	152.7	1.095		V FINE SAND: 3.0%		
MEDIAN or $D_{50}$ :	245.0	2.029	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.4%		
$D_{90}$ :	468.1	2.711	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
$(D_{90} / D_{10})$ :	3.064	2.475	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
$(D_{90} - D_{10})$ :	315.3	1.616	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
$(D_{75} / D_{25})$ :	1.671	1.441	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
$(D_{75} - D_{25})$ :	125.4	0.741	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 ( $\bar{x}$ ):	277.6	250.1	1.999	252.7	1.985	Medium Sand
SORTING ( $\sigma$ ):	139.6	1.545	0.628	1.532	0.615	Moderately Well Sorted
SKEWNESS ( $Sk$ ):	2.065	0.362	-0.362	0.126	-0.126	Coarse Skewed
KURTOSIS ( $K$ ):	9.635	3.639	3.639	1.149	1.149	Leptokurtic

**GRAIN SIZE DISTRIBUTION**