

SIEVING ERROR: 0.4%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-93-1\_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:	193.5	2.375	GRAVEL: 0.0%	COARSE SAND: 3.5%		
MODE 2:	273.5	1.876	SAND: 99.8%	MEDIUM SAND: 35.9%		
MODE 3:			MUD: 0.2%	FINE SAND: 52.9%		
$D_{10}$ :	130.3	1.357		V FINE SAND: 7.4%		
MEDIAN or $D_{50}$ :	206.4	2.276	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.2%		
$D_{90}$ :	390.3	2.940	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
$(D_{90} / D_{10})$ :	2.996	2.166	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
$(D_{90} - D_{10})$ :	260.0	1.583	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
$(D_{75} / D_{25})$ :	1.736	1.438	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
$(D_{75} - D_{25})$ :	120.3	0.795	V COARSE SAND: 0.1%	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 ( $\bar{x}$ ):	241.2	218.7	2.193	213.9	2.225	Fine Sand
SORTING ( $\sigma$ ):	115.0	1.531	0.614	1.519	0.603	Moderately Well Sorted
SKEWNESS ( $Sk$ ):	1.892	0.259	-0.259	0.149	-0.149	Coarse Skewed
KURTOSIS ( $K$ ):	9.033	3.366	3.366	1.053	1.053	Mesokurtic

**GRAIN SIZE DISTRIBUTION**