

SIEVING ERROR: 0.1%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-93-3\_5**

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:	273.5	1.876	GRAVEL: 0.0%	COARSE SAND: 5.3%		
MODE 2:	193.5	2.375	SAND: 99.6%	MEDIUM SAND: 55.9%		
MODE 3:			MUD: 0.4%	FINE SAND: 34.1%		
$D_{10}$ :	152.6	1.147		V FINE SAND: 4.2%		
MEDIAN or $D_{50}$ :	270.0	1.889	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.4%		
$D_{90}$ :	451.6	2.712	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
$(D_{90} / D_{10})$ :	2.959	2.365	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
$(D_{90} - D_{10})$ :	299.0	1.565	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
$(D_{75} / D_{25})$ :	1.715	1.505	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
$(D_{75} - D_{25})$ :	143.2	0.779	V COARSE SAND: 0.0%	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 ( $\bar{x}$ ):	286.5	262.7	1.928	267.8	1.901	Medium Sand
SORTING ( $\sigma$ ):	116.9	1.516	0.601	1.511	0.595	Moderately Well Sorted
SKEWNESS ( $Sk$ ):	0.970	-0.356	0.356	-0.061	0.061	Symmetrical
KURTOSIS ( $K$ ):	4.515	3.469	3.469	1.053	1.053	Mesokurtic

**GRAIN SIZE DISTRIBUTION**