

SIEVING ERROR: 0.3%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-93-1\_175**

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: 8.8%		
MODE 2:	193.5	2.375	SAND: 99.9%	MEDIUM SAND: 43.8%		
MODE 3:	460.0	1.126	MUD: 0.1%	FINE SAND: 41.4%		
$D_{10}$ :	136.5	1.036		V FINE SAND: 5.9%		
MEDIAN or $D_{50}$ :	256.3	1.964	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.1%		
$D_{90}$ :	487.6	2.873	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
$(D_{90} / D_{10})$ :	3.572	2.773	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
$(D_{90} - D_{10})$ :	351.1	1.837	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
$(D_{75} / D_{25})$ :	1.981	1.653	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
$(D_{75} - D_{25})$ :	173.7	0.986	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 ( $\bar{x}$ ):	283.6	251.9	1.989	256.9	1.961	Medium Sand
SORTING ( $\sigma$ ):	142.5	1.612	0.689	1.633	0.708	Moderately Sorted
SKEWNESS ( $Sk$ ):	1.282	0.110	-0.110	0.011	-0.011	Symmetrical
KURTOSIS ( $K$ ):	5.059	2.583	2.583	0.923	0.923	Mesokurtic

**GRAIN SIZE DISTRIBUTION**