

SIEVING ERROR: 0.6%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-93-2\_175**

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

SAMPLE TYPE: Trimodal, 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: 11.8%		
MODE 2:	193.5	2.375	SAND: 100.0%	MEDIUM SAND: 43.1%		
MODE 3:	460.0	1.126	MUD: 0.0%	FINE SAND: 42.3%		
$D_{10}$ :	159.6	0.911		V FINE SAND: 2.3%		
MEDIAN or $D_{50}$ :	261.4	1.936	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.0%		
$D_{90}$ :	531.7	2.648	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
$(D_{90} / D_{10})$ :	3.332	2.905	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
$(D_{90} - D_{10})$ :	372.1	1.736	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
$(D_{75} / D_{25})$ :	1.840	1.594	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
$(D_{75} - D_{25})$ :	163.7	0.880	V COARSE SAND: 0.5%	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 ( $\bar{x}$ ):	305.9	272.5	1.875	277.5	1.849	Medium Sand
SORTING ( $\sigma$ ):	161.3	1.580	0.660	1.586	0.665	Moderately Well Sorted
SKEWNESS ( $Sk$ ):	1.817	0.464	-0.464	0.174	-0.174	Coarse Skewed
KURTOSIS ( $K$ ):	7.436	3.005	3.005	1.000	1.000	Mesokurtic

**GRAIN SIZE DISTRIBUTION**