

SIEVING ERROR: 0.3%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-93-6\_175**

ANALYST &amp; DATE: TB/RM, 7/31/1993

SAMPLE TYPE: Trimodal, Moderately Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Moderately Sorted Fine Sand

	$\mu\text{m}$	$\phi$	GRAIN SIZE DISTRIBUTION			
MODE 1:	193.5	2.375	GRAVEL: 0.0%	COARSE SAND: 1.1%		
MODE 2:	115.0	3.126	SAND: 99.9%	MEDIUM SAND: 24.4%		
MODE 3:	273.5	1.876	MUD: 0.1%	FINE SAND: 46.7%		
$D_{10}$ :	94.04	1.605		V FINE SAND: 27.6%		
MEDIAN or $D_{50}$ :	172.1	2.539	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.1%		
$D_{90}$ :	328.8	3.411	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
$(D_{90} / D_{10})$ :	3.496	2.125	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
$(D_{90} - D_{10})$ :	234.7	1.806	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
$(D_{75} / D_{25})$ :	2.090	1.535	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
$(D_{75} - D_{25})$ :	131.4	1.064	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 ( $\bar{x}$ ):	195.7	173.8	2.524	173.9	2.524	Fine Sand
SORTING ( $\sigma$ ):	98.67	1.608	0.685	1.629	0.704	Moderately Sorted
SKEWNESS ( $Sk$ ):	1.261	0.179	-0.179	0.044	-0.044	Symmetrical
KURTOSIS ( $K$ ):	4.630	2.438	2.438	0.886	0.886	Platykurtic

**GRAIN SIZE DISTRIBUTION**