

SIEVING ERROR: 0.1%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-93-6\_50**

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

SAMPLE TYPE: Bimodal, 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: 1.9%		
MODE 2:	273.5	1.876	SAND: 99.3%	MEDIUM SAND: 22.2%		
MODE 3:			MUD: 0.7%	FINE SAND: 50.7%		
$D_{10}$ :	95.14	1.621		V FINE SAND: 24.6%		
MEDIAN or $D_{50}$ :	171.8	2.541	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.7%		
$D_{90}$ :	325.1	3.394	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
$(D_{90} / D_{10})$ :	3.417	2.093	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
$(D_{90} - D_{10})$ :	229.9	1.773	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
$(D_{75} / D_{25})$ :	1.968	1.482	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
$(D_{75} - D_{25})$ :	120.6	0.977	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 ( $\bar{x}$ ):	197.2	174.5	2.519	174.6	2.518	Fine Sand
SORTING ( $\sigma$ ):	104.5	1.614	0.691	1.626	0.701	Moderately Sorted
SKEWNESS ( $Sk$ ):	1.777	0.219	-0.219	0.051	-0.051	Symmetrical
KURTOSIS ( $K$ ):	7.962	2.878	2.878	0.998	0.998	Mesokurtic

**GRAIN SIZE DISTRIBUTION**