

SIEVING ERROR: 0.1%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-93-1\_5**

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

SAMPLE TYPE: Bimodal, Moderately Well Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Moderately Well Sorted Fine Sand

	$\mu\text{m}$	$\phi$	GRAIN SIZE DISTRIBUTION			
MODE 1:	193.5	2.375	GRAVEL: 0.0%	COARSE SAND: 2.4%		
MODE 2:	273.5	1.876	SAND: 99.8%	MEDIUM SAND: 19.1%		
MODE 3:			MUD: 0.2%	FINE SAND: 60.9%		
$D_{10}$ :	110.9	1.726		V FINE SAND: 17.5%		
MEDIAN or $D_{50}$ :	175.4	2.511	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.2%		
$D_{90}$ :	302.2	3.173	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
$(D_{90} / D_{10})$ :	2.725	1.838	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
$(D_{90} - D_{10})$ :	191.3	1.446	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
$(D_{75} / D_{25})$ :	1.718	1.372	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
$(D_{75} - D_{25})$ :	97.45	0.781	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 ( $\bar{x}$ ):	199.9	181.0	2.466	179.8	2.475	Fine Sand
SORTING ( $\sigma$ ):	99.19	1.523	0.607	1.514	0.599	Moderately Well Sorted
SKEWNESS ( $Sk$ ):	2.150	0.490	-0.490	0.128	-0.128	Coarse Skewed
KURTOSIS ( $K$ ):	9.451	3.626	3.626	1.069	1.069	Mesokurtic

**GRAIN SIZE DISTRIBUTION**