

SIEVING ERROR: 0.6%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-93-1\_25**

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: 3.0%		
MODE 2:	273.5	1.876	SAND: 99.5%	MEDIUM SAND: 29.6%		
MODE 3:			MUD: 0.5%	FINE SAND: 56.5%		
$D_{10}$ :	122.5	1.486		V FINE SAND: 10.3%		
MEDIAN or $D_{50}$ :	195.6	2.354	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.5%		
$D_{90}$ :	357.0	3.029	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
$(D_{90} / D_{10})$ :	2.914	2.038	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
$(D_{90} - D_{10})$ :	234.5	1.543	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
$(D_{75} / D_{25})$ :	1.774	1.439	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
$(D_{75} - D_{25})$ :	118.2	0.827	V COARSE SAND: 0.1%	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 ( $\bar{x}$ ):	227.0	204.3	2.291	199.3	2.327	Fine Sand
SORTING ( $\sigma$ ):	115.6	1.550	0.632	1.518	0.602	Moderately Well Sorted
SKEWNESS ( $Sk$ ):	2.320	0.311	-0.311	0.120	-0.120	Coarse Skewed
KURTOSIS ( $K$ ):	12.11	3.731	3.731	1.028	1.028	Mesokurtic

**GRAIN SIZE DISTRIBUTION**