

SIEVING ERROR: 1.3%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-93-5\_200**

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

SAMPLE TYPE: Unimodal, Well Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Well Sorted Medium Sand

	$\mu\text{m}$	$\phi$	GRAIN SIZE DISTRIBUTION			
MODE 1:	547.5	0.875	GRAVEL: 0.0%	COARSE SAND: 41.7%		
MODE 2:			SAND: 100.0%	MEDIUM SAND: 56.3%		
MODE 3:			MUD: 0.0%	FINE SAND: 1.9%		
D <sub>10</sub> :	298.2	0.561		V FINE SAND: 0.1%		
MEDIAN or D <sub>50</sub> :	469.3	1.092	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.0%		
D <sub>90</sub> :	677.7	1.746	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
(D <sub>90</sub> / D <sub>10</sub> ):	2.273	3.110	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
(D <sub>90</sub> - D <sub>10</sub> ):	379.5	1.184	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
(D <sub>75</sub> / D <sub>25</sub> ):	1.527	1.737	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
(D <sub>75</sub> - D <sub>25</sub> ):	194.3	0.611	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 ( $\bar{x}$ ):	482.4	457.3	1.129	452.9	1.143	Medium Sand
SORTING ( $\sigma$ ):	151.6	1.377	0.462	1.376	0.460	Well Sorted
SKEWNESS ( $Sk$ ):	0.711	-0.332	0.332	-0.109	0.109	Fine Skewed
KURTOSIS ( $K$ ):	3.681	3.664	3.664	1.041	1.041	Mesokurtic

**GRAIN SIZE DISTRIBUTION**