

SIEVING ERROR: 0.3%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-93-5\_250**

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

SAMPLE TYPE: Bimodal, Moderately Well Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Moderately Well Sorted Medium Sand

	$\mu\text{m}$	$\phi$	GRAIN SIZE DISTRIBUTION			
MODE 1:	460.0	1.126	GRAVEL: 0.0%	COARSE SAND: 27.8%		
MODE 2:	325.5	1.625	SAND: 100.0%	MEDIUM SAND: 62.3%		
MODE 3:			MUD: 0.0%	FINE SAND: 8.7%		
D <sub>10</sub> :	250.3	0.699		V FINE SAND: 1.2%		
MEDIAN or D <sub>50</sub> :	402.3	1.314	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.0%		
D <sub>90</sub> :	616.0	1.998	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
(D <sub>90</sub> / D <sub>10</sub> ):	2.461	2.859	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
(D <sub>90</sub> - D <sub>10</sub> ):	365.7	1.299	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
(D <sub>75</sub> / D <sub>25</sub> ):	1.721	1.817	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
(D <sub>75</sub> - D <sub>25</sub> ):	215.6	0.783	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 ( $\bar{x}$ ):	419.2	386.9	1.370	394.1	1.343	Medium Sand
SORTING ( $\sigma$ ):	159.1	1.499	0.584	1.480	0.566	Moderately Well Sorted
SKEWNESS ( $Sk$ ):	0.670	-0.587	0.587	-0.128	0.128	Fine Skewed
KURTOSIS ( $K$ ):	3.615	3.731	3.731	1.027	1.027	Mesokurtic

**GRAIN SIZE DISTRIBUTION**