

SIEVING ERROR: 0.1%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-93-3\_250**

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

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: 34.6%		
MODE 2:	273.5	1.876	SAND: 99.9%	MEDIUM SAND: 53.1%		
MODE 3:			MUD: 0.1%	FINE SAND: 7.4%		
D <sub>10</sub> :	256.1	0.335		V FINE SAND: 0.9%		
MEDIAN or D <sub>50</sub> :	445.8	1.166	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.1%		
D <sub>90</sub> :	792.7	1.965	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
(D <sub>90</sub> / D <sub>10</sub> ):	3.095	5.862	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
(D <sub>90</sub> - D <sub>10</sub> ):	536.5	1.630	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
(D <sub>75</sub> / D <sub>25</sub> ):	1.798	2.057	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
(D <sub>75</sub> - D <sub>25</sub> ):	254.8	0.846	V COARSE SAND: 3.9%	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 ( $\bar{x}$ ):	486.3	436.3	1.197	436.7	1.195	Medium Sand
SORTING ( $\sigma$ ):	232.2	1.589	0.668	1.569	0.650	Moderately Well Sorted
SKEWNESS ( $Sk$ ):	1.432	-0.222	0.222	-0.038	0.038	Symmetrical
KURTOSIS ( $K$ ):	5.886	3.863	3.863	1.073	1.073	Mesokurtic

**GRAIN SIZE DISTRIBUTION**