

SIEVING ERROR: 0.1%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-91-05\_175**

ANALYST &amp; DATE: SA/RM, 8/19/91

SAMPLE TYPE: Unimodal, Moderately Well Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Moderately Well Sorted Medium Sand

	$\mu\text{m}$	$\phi$	GRAIN SIZE DISTRIBUTION			
MODE 1:	547.5	0.875	GRAVEL: 0.0%	COARSE SAND: 45.3%		
MODE 2:			SAND: 100.0%	MEDIUM SAND: 46.7%		
MODE 3:			MUD: 0.0%	FINE SAND: 2.7%		
D <sub>10</sub> :	290.2	0.208		V FINE SAND: 0.1%		
MEDIAN or D <sub>50</sub> :	502.5	0.993	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.0%		
D <sub>90</sub> :	865.5	1.785	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
(D <sub>90</sub> / D <sub>10</sub> ):	2.982	8.562	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
(D <sub>90</sub> - D <sub>10</sub> ):	575.2	1.576	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
(D <sub>75</sub> / D <sub>25</sub> ):	1.716	2.227	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
(D <sub>75</sub> - D <sub>25</sub> ):	268.7	0.779	V COARSE SAND: 5.3%	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 ( $\bar{x}$ ):	545.6	499.5	1.001	495.3	1.014	Medium Sand
SORTING ( $\sigma$ ):	236.3	1.504	0.589	1.516	0.600	Moderately Well Sorted
SKEWNESS ( $Sk$ ):	1.341	0.106	-0.106	-0.006	0.006	Symmetrical
KURTOSIS ( $K$ ):	5.383	2.976	2.976	1.028	1.028	Mesokurtic

**GRAIN SIZE DISTRIBUTION**