

SIEVING ERROR: 0.3%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-91-05\_225**

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

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:	547.5	0.875	GRAVEL: 0.0%	COARSE SAND: 44.3%		
MODE 2:	325.5	1.625	SAND: 100.0%	MEDIUM SAND: 46.6%		
MODE 3:			MUD: 0.0%	FINE SAND: 3.3%		
D <sub>10</sub> :	283.0	0.179		V FINE SAND: 0.2%		
MEDIAN or D <sub>50</sub> :	499.5	1.001	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.0%		
D <sub>90</sub> :	883.6	1.821	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
(D <sub>90</sub> / D <sub>10</sub> ):	3.123	10.20	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
(D <sub>90</sub> - D <sub>10</sub> ):	600.7	1.643	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
(D <sub>75</sub> / D <sub>25</sub> ):	1.748	2.254	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
(D <sub>75</sub> - D <sub>25</sub> ):	274.0	0.805	V COARSE SAND: 5.6%	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 ( $\bar{x}$ ):	545.1	495.2	1.014	491.6	1.024	Medium Sand
SORTING ( $\sigma$ ):	247.5	1.533	0.616	1.537	0.621	Moderately Well Sorted
SKEWNESS ( $Sk$ ):	1.399	0.070	-0.070	-0.004	0.004	Symmetrical
KURTOSIS ( $K$ ):	5.529	3.134	3.134	1.022	1.022	Mesokurtic

**GRAIN SIZE DISTRIBUTION**