

SIEVING ERROR: 0.6%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-91-01\_450**

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

SAMPLE TYPE: Bimodal, Well Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Well Sorted Medium Sand

	$\mu\text{m}$	$\phi$	GRAIN SIZE DISTRIBUTION			
MODE 1:	273.5	1.876	GRAVEL: 0.0%	COARSE SAND: 13.6%		
MODE 2:	460.0	1.126	SAND: 100.0%	MEDIUM SAND: 83.6%		
MODE 3:			MUD: 0.0%	FINE SAND: 2.3%		
D <sub>10</sub> :	261.3	0.900		V FINE SAND: 0.2%		
MEDIAN or D <sub>50</sub> :	337.0	1.569	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.0%		
D <sub>90</sub> :	535.7	1.936	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
(D <sub>90</sub> / D <sub>10</sub> ):	2.051	2.151	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
(D <sub>90</sub> - D <sub>10</sub> ):	274.5	1.036	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
(D <sub>75</sub> / D <sub>25</sub> ):	1.535	1.520	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
(D <sub>75</sub> - D <sub>25</sub> ):	152.9	0.619	V COARSE SAND: 0.3%	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 ( $\bar{x}$ ):	374.5	357.1	1.486	354.3	1.497	Medium Sand
SORTING ( $\sigma$ ):	120.1	1.333	0.415	1.315	0.395	Well Sorted
SKEWNESS ( $Sk$ ):	1.681	0.540	-0.540	0.288	-0.288	Coarse Skewed
KURTOSIS ( $K$ ):	7.742	3.851	3.851	0.800	0.800	Platykurtic

**GRAIN SIZE DISTRIBUTION**