

SIEVING ERROR: 0.2%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-91-03\_375**

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

SAMPLE TYPE: Polymodal, Moderately Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Moderately Sorted Medium Sand

	$\mu\text{m}$	$\phi$	GRAIN SIZE DISTRIBUTION			
MODE 1:	273.5	1.876	GRAVEL: 0.0%	COARSE SAND: 26.9%		
MODE 2:	460.0	1.126	SAND: 100.0%	MEDIUM SAND: 50.3%		
MODE 3:	193.5	2.375	MUD: 0.0%	FINE SAND: 16.3%		
D <sub>10</sub> :	208.0	0.215		V FINE SAND: 0.5%		
MEDIAN or D <sub>50</sub> :	377.5	1.405	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.0%		
D <sub>90</sub> :	861.7	2.266	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
(D <sub>90</sub> / D <sub>10</sub> ):	4.144	10.55	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
(D <sub>90</sub> - D <sub>10</sub> ):	653.8	2.051	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
(D <sub>75</sub> / D <sub>25</sub> ):	2.089	2.285	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
(D <sub>75</sub> - D <sub>25</sub> ):	293.9	1.063	V COARSE SAND: 5.9%	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 ( $\bar{x}$ ):	463.0	398.5	1.327	399.0	1.325	Medium Sand
SORTING ( $\sigma$ ):	273.8	1.697	0.763	1.688	0.756	Moderately Sorted
SKEWNESS ( $Sk$ ):	1.572	0.326	-0.326	0.167	-0.167	Coarse Skewed
KURTOSIS ( $K$ ):	5.549	2.681	2.681	0.971	0.971	Mesokurtic

**GRAIN SIZE DISTRIBUTION**