

SIEVING ERROR: 0.3%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-91-02\_175**

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: 23.9%		
MODE 2:	547.5	0.875	SAND: 99.9%	MEDIUM SAND: 46.8%		
MODE 3:	193.5	2.375	MUD: 0.1%	FINE SAND: 22.9%		
D <sub>10</sub> :	184.3	0.472		V FINE SAND: 1.1%		
MEDIAN or D <sub>50</sub> :	344.9	1.536	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.1%		
D <sub>90</sub> :	721.1	2.439	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
(D <sub>90</sub> / D <sub>10</sub> ):	3.912	5.172	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
(D <sub>90</sub> - D <sub>10</sub> ):	536.8	1.968	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
(D <sub>75</sub> / D <sub>25</sub> ):	2.097	2.161	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
(D <sub>75</sub> - D <sub>25</sub> ):	276.4	1.068	V COARSE SAND: 5.1%	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 ( $\bar{x}$ ):	431.9	364.2	1.457	349.6	1.516	Medium Sand
SORTING ( $\sigma$ ):	285.4	1.750	0.807	1.732	0.792	Moderately Sorted
SKEWNESS ( $Sk$ ):	2.098	0.344	-0.344	0.101	-0.101	Coarse Skewed
KURTOSIS ( $K$ ):	8.107	3.179	3.179	1.025	1.025	Mesokurtic

**GRAIN SIZE DISTRIBUTION**