

SIEVING ERROR: 0.2%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-91-01\_400**

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

SAMPLE TYPE: Unimodal, Well Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Well Sorted Medium Sand

	$\mu\text{m}$	$\phi$	GRAIN SIZE DISTRIBUTION			
MODE 1:	325.5	1.625	GRAVEL: 0.0%	COARSE SAND: 15.1%		
MODE 2:			SAND: 100.0%	MEDIUM SAND: 82.2%		
MODE 3:			MUD: 0.0%	FINE SAND: 2.2%		
D <sub>10</sub> :	263.4	0.876		V FINE SAND: 0.4%		
MEDIAN or D <sub>50</sub> :	347.8	1.523	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.0%		
D <sub>90</sub> :	544.8	1.925	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
(D <sub>90</sub> / D <sub>10</sub> ):	2.068	2.197	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
(D <sub>90</sub> - D <sub>10</sub> ):	281.4	1.048	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
(D <sub>75</sub> / D <sub>25</sub> ):	1.533	1.533	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
(D <sub>75</sub> - D <sub>25</sub> ):	156.0	0.616	V COARSE SAND: 0.1%	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 ( $\bar{x}$ ):	382.9	364.7	1.455	361.9	1.466	Medium Sand
SORTING ( $\sigma$ ):	122.0	1.345	0.427	1.317	0.397	Well Sorted
SKEWNESS ( $Sk$ ):	1.531	0.159	-0.159	0.230	-0.230	Coarse Skewed
KURTOSIS ( $K$ ):	7.555	4.544	4.544	0.811	0.811	Platykurtic

**GRAIN SIZE DISTRIBUTION**