

SIEVING ERROR: 0.1%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-91-01\_50**

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:	273.5	1.876	GRAVEL: 0.0%	COARSE SAND: 8.9%		
MODE 2:			SAND: 100.0%	MEDIUM SAND: 75.1%		
MODE 3:			MUD: 0.0%	FINE SAND: 14.8%		
D <sub>10</sub> :	218.1	1.009		V FINE SAND: 0.5%		
MEDIAN or D <sub>50</sub> :	298.7	1.743	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.0%		
D <sub>90</sub> :	496.8	2.197	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
(D <sub>90</sub> / D <sub>10</sub> ):	2.278	2.177	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
(D <sub>90</sub> - D <sub>10</sub> ):	278.7	1.188	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
(D <sub>75</sub> / D <sub>25</sub> ):	1.466	1.401	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
(D <sub>75</sub> - D <sub>25</sub> ):	122.5	0.552	V COARSE SAND: 0.8%	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 ( $\bar{x}$ ):	340.0	318.3	1.652	322.4	1.633	Medium Sand
SORTING ( $\sigma$ ):	138.7	1.403	0.489	1.366	0.450	Well Sorted
SKEWNESS ( $Sk$ ):	2.814	0.581	-0.581	0.284	-0.284	Coarse Skewed
KURTOSIS ( $K$ ):	16.63	4.896	4.896	1.183	1.183	Leptokurtic

**GRAIN SIZE DISTRIBUTION**