

SIEVING ERROR: 0.3%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-91-05\_375**

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

SAMPLE TYPE: Bimodal, Moderately Well Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Moderately Well Sorted Medium Sand

	$\mu\text{m}$	$\phi$	GRAIN SIZE DISTRIBUTION			
MODE 1:	547.5	0.875	GRAVEL: 0.0%	COARSE SAND: 40.2%		
MODE 2:	325.5	1.625	SAND: 99.9%	MEDIUM SAND: 49.4%		
MODE 3:			MUD: 0.1%	FINE SAND: 4.6%		
D <sub>10</sub> :	270.3	0.226		V FINE SAND: 0.4%		
MEDIAN or D <sub>50</sub> :	477.6	1.066	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.1%		
D <sub>90</sub> :	854.9	1.887	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
(D <sub>90</sub> / D <sub>10</sub> ):	3.162	8.343	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
(D <sub>90</sub> - D <sub>10</sub> ):	584.5	1.661	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
(D <sub>75</sub> / D <sub>25</sub> ):	1.799	2.207	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
(D <sub>75</sub> - D <sub>25</sub> ):	273.0	0.847	V COARSE SAND: 5.2%	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 ( $\bar{x}$ ):	523.5	471.7	1.084	469.4	1.091	Medium Sand
SORTING ( $\sigma$ ):	246.6	1.567	0.648	1.547	0.630	Moderately Well Sorted
SKEWNESS ( $Sk$ ):	1.410	-0.073	0.073	0.003	-0.003	Symmetrical
KURTOSIS ( $K$ ):	5.595	3.560	3.560	0.983	0.983	Mesokurtic

**GRAIN SIZE DISTRIBUTION**