

SIEVING ERROR: 0.4%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-91-05\_50**

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: 40.7%		
MODE 2:	325.5	1.625	SAND: 100.0%	MEDIUM SAND: 51.6%		
MODE 3:			MUD: 0.0%	FINE SAND: 3.6%		
$D_{10}$ :	276.9	0.308		V FINE SAND: 0.2%		
MEDIAN or $D_{50}$ :	475.6	1.072	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.0%		
$D_{90}$ :	807.9	1.853	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
$(D_{90} / D_{10})$ :	2.917	6.019	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
$(D_{90} - D_{10})$ :	531.0	1.545	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
$(D_{75} / D_{25})$ :	1.702	2.016	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
$(D_{75} - D_{25})$ :	244.5	0.768	V COARSE SAND: 3.8%	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 ( $\bar{x}$ ):	513.6	470.1	1.089	464.6	1.106	Medium Sand
SORTING ( $\sigma$ ):	223.8	1.505	0.590	1.500	0.585	Moderately Well Sorted
SKEWNESS ( $Sk$ ):	1.450	0.068	-0.068	-0.013	0.013	Symmetrical
KURTOSIS ( $K$ ):	6.015	3.318	3.318	1.020	1.020	Mesokurtic

**GRAIN SIZE DISTRIBUTION**