

SIEVING ERROR: 0.3%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-91-06\_25**

ANALYST &amp; DATE: TC/RM, 8/20/91

SAMPLE TYPE: Trimodal, Moderately Well Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Moderately Well Sorted Medium Sand

	$\mu\text{m}$	$\phi$	GRAIN SIZE DISTRIBUTION			
MODE 1:	273.5	1.876	GRAVEL: 0.0%	COARSE SAND: 22.3%		
MODE 2:	460.0	1.126	SAND: 98.9%	MEDIUM SAND: 53.9%		
MODE 3:	193.5	2.375	MUD: 1.1%	FINE SAND: 20.1%		
$D_{10}$ :	182.5	0.752		V FINE SAND: 2.5%		
MEDIAN or $D_{50}$ :	332.5	1.588	V COARSE GRAVEL: 0.0%	V COARSE SILT: 1.1%		
$D_{90}$ :	593.7	2.454	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
$(D_{90} / D_{10})$ :	3.253	3.262	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
$(D_{90} - D_{10})$ :	411.2	1.702	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
$(D_{75} / D_{25})$ :	1.910	1.889	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
$(D_{75} - D_{25})$ :	230.1	0.933	V COARSE SAND: 0.0%	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 ( $\bar{x}$ ):	370.0	330.1	1.599	336.1	1.573	Medium Sand
SORTING ( $\sigma$ ):	164.8	1.642	0.716	1.610	0.687	Moderately Well Sorted
SKEWNESS ( $Sk$ ):	0.556	-0.732	0.732	-0.021	0.021	Symmetrical
KURTOSIS ( $K$ ):	2.721	4.012	4.012	0.988	0.988	Mesokurtic

**GRAIN SIZE DISTRIBUTION**