

SIEVING ERROR: 1.6%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-91-02\_375**

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

SAMPLE TYPE: Polymodal, Moderately Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Moderately Sorted Medium Sand

	$\mu\text{m}$	$\phi$	GRAIN SIZE DISTRIBUTION			
MODE 1:	273.5	1.876	GRAVEL: 0.0%	COARSE SAND: 20.9%		
MODE 2:	193.5	2.375	SAND: 97.4%	MEDIUM SAND: 34.5%		
MODE 3:	547.5	0.875	MUD: 2.6%	FINE SAND: 33.7%		
$D_{10}$ :	134.5	0.514		V FINE SAND: 4.9%		
MEDIAN or $D_{50}$ :	281.5	1.829	V COARSE GRAVEL: 0.0%	V COARSE SILT: 2.5%		
$D_{90}$ :	700.2	2.894	COARSE GRAVEL: 0.0%	COARSE SILT: 0.1%		
$(D_{90} / D_{10})$ :	5.205	5.628	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
$(D_{90} - D_{10})$ :	565.7	2.380	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
$(D_{75} / D_{25})$ :	2.684	2.395	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
$(D_{75} - D_{25})$ :	309.2	1.424	V COARSE SAND: 3.4%	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 ( $\bar{x}$ ):	367.1	292.3	1.775	294.4	1.764	Medium Sand
SORTING ( $\sigma$ ):	253.6	1.995	0.997	1.919	0.940	Moderately Sorted
SKEWNESS ( $Sk$ ):	1.442	-0.296	0.296	0.104	-0.104	Coarse Skewed
KURTOSIS ( $K$ ):	5.021	3.379	3.379	0.887	0.887	Platykurtic

**GRAIN SIZE DISTRIBUTION**