

SIEVING ERROR: 0.5%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-91-03\_5**

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

SAMPLE TYPE: Trimodal, Moderately Sorted

TEXTURAL GROUP: Slightly Gravelly Sand

SEDIMENT NAME: Slightly Very Fine Gravelly Medium Sand

	$\mu\text{m}$	$\phi$	GRAIN SIZE DISTRIBUTION			
MODE 1:	547.5	0.875	GRAVEL: 1.7%	COARSE SAND: 34.5%		
MODE 2:	273.5	1.876	SAND: 98.3%	MEDIUM SAND: 47.0%		
MODE 3:	193.5	2.375	MUD: 0.0%	FINE SAND: 9.9%		
$D_{10}$ :	240.5	0.142		V FINE SAND: 0.9%		
MEDIAN or $D_{50}$ :	456.3	1.132	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.0%		
$D_{90}$ :	906.5	2.056	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
$(D_{90} / D_{10})$ :	3.770	14.52	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
$(D_{90} - D_{10})$ :	666.0	1.915	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
$(D_{75} / D_{25})$ :	1.974	2.354	V FINE GRAVEL: 1.7%	V FINE SILT: 0.0%		
$(D_{75} - D_{25})$ :	298.6	0.981	V COARSE SAND: 5.9%	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 ( $\bar{x}$ ):	539.9	454.3	1.138	448.9	1.156	Medium Sand
SORTING ( $\sigma$ ):	381.0	1.747	0.805	1.703	0.768	Moderately Sorted
SKEWNESS ( $Sk$ ):	2.900	0.341	-0.341	0.006	-0.006	Symmetrical
KURTOSIS ( $K$ ):	14.09	3.919	3.919	1.113	1.113	Leptokurtic

**GRAIN SIZE DISTRIBUTION**