

SIEVING ERROR: 0.5%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-93-4\_75**

ANALYST &amp; DATE: SA/RM, 7/29/1993

SAMPLE TYPE: Bimodal, Moderately Sorted

TEXTURAL GROUP: Slightly Gravelly Sand

SEDIMENT NAME: Slightly Very Fine Gravelly Coarse Sand

	$\mu\text{m}$	$\phi$	GRAIN SIZE DISTRIBUTION			
MODE 1:	547.5	0.875	GRAVEL: 1.2%	COARSE SAND: 46.1%		
MODE 2:	920.5	0.125	SAND: 98.8%	MEDIUM SAND: 32.7%		
MODE 3:			MUD: 0.0%	FINE SAND: 1.1%		
$D_{10}$ :	342.1	-0.324		V FINE SAND: 0.0%		
MEDIAN or $D_{50}$ :	589.0	0.764	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.0%		
$D_{90}$ :	1252.0	1.548	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
$(D_{90} / D_{10})$ :	3.660	-4.773	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
$(D_{90} - D_{10})$ :	910.0	1.872	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
$(D_{75} / D_{25})$ :	2.057	10.12	V FINE GRAVEL: 1.2%	V FINE SILT: 0.0%		
$(D_{75} - D_{25})$ :	474.8	1.041	V COARSE SAND: 18.9%	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 ( $\bar{x}$ ):	725.2	637.4	0.650	630.1	0.666	Coarse Sand
SORTING ( $\sigma$ ):	386.7	1.640	0.714	1.653	0.725	Moderately Sorted
SKEWNESS ( $Sk$ ):	1.365	0.212	-0.212	0.178	-0.178	Coarse Skewed
KURTOSIS ( $K$ ):	4.911	2.593	2.593	0.927	0.927	Mesokurtic

**GRAIN SIZE DISTRIBUTION**