

SIEVING ERROR: 0.8%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-93-4\_100**

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

SAMPLE TYPE: Trimodal, Moderately Well Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Moderately Well Sorted Coarse Sand

	$\mu\text{m}$	$\phi$	GRAIN SIZE DISTRIBUTION			
MODE 1:	547.5	0.875	GRAVEL: 0.0%	COARSE SAND: 49.9%		
MODE 2:	920.5	0.125	SAND: 100.0%	MEDIUM SAND: 26.6%		
MODE 3:	1841.0	-0.875	MUD: 0.0%	FINE SAND: 0.6%		
$D_{10}$ :	369.2	-0.322		V FINE SAND: 0.0%		
MEDIAN or $D_{50}$ :	658.8	0.602	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.0%		
$D_{90}$ :	1250.2	1.438	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
$(D_{90} / D_{10})$ :	3.386	-4.462	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
$(D_{90} - D_{10})$ :	881.0	1.760	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
$(D_{75} / D_{25})$ :	2.009	27.26	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
$(D_{75} - D_{25})$ :	489.0	1.006	V COARSE SAND: 22.9%	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 ( $\bar{x}$ ):	762.3	680.3	0.556	679.5	0.557	Coarse Sand
SORTING ( $\sigma$ ):	368.3	1.600	0.678	1.608	0.685	Moderately Well Sorted
SKEWNESS ( $Sk$ ):	1.055	0.053	-0.053	0.072	-0.072	Symmetrical
KURTOSIS ( $K$ ):	3.828	2.431	2.431	0.914	0.914	Mesokurtic

**GRAIN SIZE DISTRIBUTION**