

SIEVING ERROR: 1.0%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-92-5\_238**

ANALYST &amp; DATE: TB/RM, 8/23/92

SAMPLE TYPE: Polymodal, Poorly Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Poorly Sorted Fine Sand

	$\mu\text{m}$	$\phi$	GRAIN SIZE DISTRIBUTION			
MODE 1:	115.0	3.126	GRAVEL: 0.0%	COARSE SAND: 18.3%		
MODE 2:	193.5	2.375	SAND: 96.9%	MEDIUM SAND: 20.3%		
MODE 3:	273.5	1.876	MUD: 3.1%	FINE SAND: 31.1%		
$D_{10}$ :	90.43	0.462		V FINE SAND: 23.8%		
MEDIAN or $D_{50}$ :	198.6	2.332	V COARSE GRAVEL: 0.0%	V COARSE SILT: 3.0%		
$D_{90}$ :	726.0	3.467	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
$(D_{90} / D_{10})$ :	8.028	7.504	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
$(D_{90} - D_{10})$ :	635.5	3.005	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
$(D_{75} / D_{25})$ :	3.690	2.632	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
$(D_{75} - D_{25})$ :	327.5	1.884	V COARSE SAND: 3.5%	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 ( $\bar{x}$ ):	318.4	228.5	2.130	231.1	2.113	Fine Sand
SORTING ( $\sigma$ ):	276.0	2.235	1.161	2.248	1.169	Poorly Sorted
SKEWNESS ( $Sk$ ):	1.530	0.227	-0.227	0.240	-0.240	Coarse Skewed
KURTOSIS ( $K$ ):	4.805	2.299	2.299	0.801	0.801	Platykurtic

**GRAIN SIZE DISTRIBUTION**