

SIEVING ERROR: 1.5%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-92-5\_213**

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

SAMPLE TYPE: Bimodal, Poorly Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Poorly Sorted Very Fine Sand

	$\mu\text{m}$	$\phi$	GRAIN SIZE DISTRIBUTION			
MODE 1:	115.0	3.126	GRAVEL: 0.0%	COARSE SAND: 9.4%		
MODE 2:	273.5	1.876	SAND: 95.7%	MEDIUM SAND: 10.3%		
MODE 3:			MUD: 4.3%	FINE SAND: 26.9%		
$D_{10}$ :	76.22	0.821		V FINE SAND: 46.2%		
MEDIAN or $D_{50}$ :	124.5	3.006	V COARSE GRAVEL: 0.0%	V COARSE SILT: 4.3%		
$D_{90}$ :	565.9	3.714	COARSE GRAVEL: 0.0%	COARSE SILT: 0.1%		
$(D_{90} / D_{10})$ :	7.425	4.521	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
$(D_{90} - D_{10})$ :	489.7	2.892	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
$(D_{75} / D_{25})$ :	2.137	1.493	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
$(D_{75} - D_{25})$ :	114.1	1.096	V COARSE SAND: 2.9%	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 ( $\bar{x}$ ):	229.0	159.6	2.648	160.7	2.637	Fine Sand
SORTING ( $\sigma$ ):	248.7	2.146	1.102	2.149	1.104	Poorly Sorted
SKEWNESS ( $Sk$ ):	2.416	0.961	-0.961	0.498	-0.498	Very Coarse Skewed
KURTOSIS ( $K$ ):	8.564	3.405	3.405	1.384	1.384	Leptokurtic

**GRAIN SIZE DISTRIBUTION**