

SIEVING ERROR: 1.4%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-92-5\_183**

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

SAMPLE TYPE: Polymodal, 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: 19.5%		
MODE 2:	193.5	2.375	SAND: 96.5%	MEDIUM SAND: 18.2%		
MODE 3:	547.5	0.875	MUD: 3.5%	FINE SAND: 25.9%		
$D_{10}$ :	87.22	0.204		V FINE SAND: 26.3%		
MEDIAN or $D_{50}$ :	200.5	2.318	V COARSE GRAVEL: 0.0%	V COARSE SILT: 3.4%		
$D_{90}$ :	867.9	3.519	COARSE GRAVEL: 0.0%	COARSE SILT: 0.1%		
$(D_{90} / D_{10})$ :	9.951	17.22	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
$(D_{90} - D_{10})$ :	780.7	3.315	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
$(D_{75} / D_{25})$ :	4.367	3.214	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
$(D_{75} - D_{25})$ :	396.2	2.127	V COARSE SAND: 6.5%	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 ( $\bar{x}$ ):	351.5	238.1	2.071	242.0	2.047	Fine Sand
SORTING ( $\sigma$ ):	321.7	2.411	1.270	2.409	1.268	Poorly Sorted
SKEWNESS ( $Sk$ ):	1.382	0.216	-0.216	0.266	-0.266	Coarse Skewed
KURTOSIS ( $K$ ):	4.029	2.100	2.100	0.762	0.762	Platykurtic

**GRAIN SIZE DISTRIBUTION**