

SIEVING ERROR: 0.3%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-91-13\_393**

ANALYST &amp; DATE: TB/RM, 8/20/91

SAMPLE TYPE: Bimodal, Well Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Well Sorted Fine Sand

	$\mu\text{m}$	$\phi$	GRAIN SIZE DISTRIBUTION			
MODE 1:	163.0	2.622	GRAVEL: 0.0%	COARSE SAND: 1.0%		
MODE 2:	230.0	2.126	SAND: 100.0%	MEDIUM SAND: 9.9%		
MODE 3:			MUD: 0.0%	FINE SAND: 81.9%		
$D_{10}$ :	129.3	1.942		V FINE SAND: 7.0%		
MEDIAN or $D_{50}$ :	174.6	2.518	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.0%		
$D_{90}$ :	260.3	2.951	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
$(D_{90} / D_{10})$ :	2.013	1.520	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
$(D_{90} - D_{10})$ :	131.0	1.009	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
$(D_{75} / D_{25})$ :	1.477	1.260	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
$(D_{75} - D_{25})$ :	72.03	0.563	V COARSE SAND: 0.2%	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 ( $\bar{x}$ ):	197.6	185.1	2.434	179.7	2.476	Fine Sand
SORTING ( $\sigma$ ):	89.69	1.381	0.466	1.341	0.423	Well Sorted
SKEWNESS ( $Sk$ ):	4.678	1.310	-1.310	0.194	-0.194	Coarse Skewed
KURTOSIS ( $K$ ):	37.47	7.007	7.007	1.076	1.076	Mesokurtic

**GRAIN SIZE DISTRIBUTION**