

SIEVING ERROR: 0.9%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-91-02\_300**

ANALYST &amp; DATE: SA/RM, 8/19/91

SAMPLE TYPE: Polymodal, Poorly Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Poorly Sorted Medium Sand

	$\mu\text{m}$	$\phi$	GRAIN SIZE DISTRIBUTION			
MODE 1:	1548.0	-0.625	GRAVEL: 0.0%	COARSE SAND: 18.3%		
MODE 2:	273.5	1.876	SAND: 99.1%	MEDIUM SAND: 31.4%		
MODE 3:	193.5	2.375	MUD: 0.9%	FINE SAND: 26.7%		
$D_{10}$ :	160.3	-0.591		V FINE SAND: 2.6%		
MEDIAN or $D_{50}$ :	366.9	1.446	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.9%		
$D_{90}$ :	1505.8	2.641	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
$(D_{90} / D_{10})$ :	9.394	-4.472	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
$(D_{90} - D_{10})$ :	1345.5	3.232	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
$(D_{75} / D_{25})$ :	3.494	5.619	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
$(D_{75} - D_{25})$ :	544.4	1.805	V COARSE SAND: 20.2%	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 ( $\bar{x}$ ):	582.0	415.0	1.269	453.8	1.140	Medium Sand
SORTING ( $\sigma$ ):	488.6	2.273	1.184	2.408	1.268	Poorly Sorted
SKEWNESS ( $Sk$ ):	1.102	0.160	-0.160	0.251	-0.251	Coarse Skewed
KURTOSIS ( $K$ ):	2.725	2.283	2.283	0.810	0.810	Platykurtic

**GRAIN SIZE DISTRIBUTION**