

SIEVING ERROR: 0.4%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-91-05\_300**

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

SAMPLE TYPE: Trimodal, Moderately Well Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Moderately Well Sorted Coarse Sand

	$\mu\text{m}$	$\phi$	GRAIN SIZE DISTRIBUTION			
MODE 1:	547.5	0.875	GRAVEL: 0.0%	COARSE SAND: 47.6%		
MODE 2:	920.5	0.125	SAND: 100.0%	MEDIUM SAND: 40.3%		
MODE 3:	1548.0	-0.625	MUD: 0.0%	FINE SAND: 1.8%		
$D_{10}$ :	304.9	-0.017		V FINE SAND: 0.0%		
MEDIAN or $D_{50}$ :	535.6	0.901	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.0%		
$D_{90}$ :	1011.9	1.713	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
$(D_{90} / D_{10})$ :	3.319	-100.231	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
$(D_{90} - D_{10})$ :	707.0	1.731	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
$(D_{75} / D_{25})$ :	1.775	2.777	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
$(D_{75} - D_{25})$ :	316.1	0.828	V COARSE SAND: 10.3%	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 ( $\bar{x}$ ):	611.9	549.6	0.864	545.6	0.874	Coarse Sand
SORTING ( $\sigma$ ):	299.0	1.565	0.646	1.600	0.678	Moderately Well Sorted
SKEWNESS ( $Sk$ ):	1.386	0.270	-0.270	0.089	-0.089	Symmetrical
KURTOSIS ( $K$ ):	4.772	2.766	2.766	1.105	1.105	Mesokurtic

**GRAIN SIZE DISTRIBUTION**