

SIEVING ERROR: 0.5%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-91-03\_300**

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

SAMPLE TYPE: Trimodal, Moderately Sorted

TEXTURAL GROUP: Slightly Gravelly Sand

SEDIMENT NAME: Slightly Very Fine Gravelly Coarse Sand

	$\mu\text{m}$	$\phi$	GRAIN SIZE DISTRIBUTION			
MODE 1:	547.5	0.875	GRAVEL: 0.5%	COARSE SAND: 43.2%		
MODE 2:	273.5	1.876	SAND: 99.5%	MEDIUM SAND: 38.0%		
MODE 3:	920.5	0.125	MUD: 0.0%	FINE SAND: 6.5%		
$D_{10}$ :	266.2	-0.104		V FINE SAND: 0.2%		
MEDIAN or $D_{50}$ :	528.6	0.920	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.0%		
$D_{90}$ :	1074.8	1.909	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
$(D_{90} / D_{10})$ :	4.038	-18.355	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
$(D_{90} - D_{10})$ :	808.6	2.013	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
$(D_{75} / D_{25})$ :	2.113	3.790	V FINE GRAVEL: 0.5%	V FINE SILT: 0.0%		
$(D_{75} - D_{25})$ :	402.8	1.079	V COARSE SAND: 11.6%	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 ( $\bar{x}$ ):	613.4	529.9	0.916	526.1	0.927	Coarse Sand
SORTING ( $\sigma$ ):	347.4	1.705	0.770	1.736	0.796	Moderately Sorted
SKEWNESS ( $Sk$ ):	1.493	0.048	-0.048	0.013	-0.013	Symmetrical
KURTOSIS ( $K$ ):	5.757	2.789	2.789	0.974	0.974	Mesokurtic

**GRAIN SIZE DISTRIBUTION**