

SIEVING ERROR: 0.2%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **031107-8-c**

ANALYST &amp; DATE: ker, 7/28/2004

SAMPLE TYPE: Bimodal, Moderately Well Sorted

TEXTURAL GROUP: Slightly Gravelly Sand

SEDIMENT NAME: Slightly Very Fine Gravelly Medium Sand

	$\mu\text{m}$	$\phi$	GRAIN SIZE DISTRIBUTION			
MODE 1:	550.0	0.868	GRAVEL: 4.6%	COARSE SAND: 39.2%		
MODE 2:	3675.0	-1.872	SAND: 95.4%	MEDIUM SAND: 50.9%		
MODE 3:			MUD: 0.0%	FINE SAND: 3.9%		
D <sub>10</sub> :	290.5	0.396		V FINE SAND: 0.1%		
MEDIAN or D <sub>50</sub> :	478.6	1.063	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.0%		
D <sub>90</sub> :	759.9	1.783	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
(D <sub>90</sub> / D <sub>10</sub> ):	2.616	4.502	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
(D <sub>90</sub> - D <sub>10</sub> ):	469.4	1.387	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
(D <sub>75</sub> / D <sub>25</sub> ):	1.589	1.875	V FINE GRAVEL: 4.6%	V FINE SILT: 0.0%		
(D <sub>75</sub> - D <sub>25</sub> ):	218.3	0.668	V COARSE SAND: 1.3%	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 ( $\bar{x}$ ):	624.5	502.7	0.992	469.2	1.092	Medium Sand
SORTING ( $\sigma$ ):	650.8	1.712	0.776	1.552	0.634	Moderately Well Sorted
SKEWNESS ( $Sk$ ):	3.983	1.903	-1.903	0.097	-0.097	Symmetrical
KURTOSIS ( $K$ ):	18.33	8.218	8.218	1.523	1.523	Very Leptokurtic

**GRAIN SIZE DISTRIBUTION**