

SIEVING ERROR: -0.5%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **040707-13-a swale**

ANALYST &amp; DATE: ker, 8/19/2004

SAMPLE TYPE: Unimodal, Well Sorted

TEXTURAL GROUP: Slightly Gravelly Sand

SEDIMENT NAME: Slightly Very Fine Gravelly Medium Sand

	$\mu\text{m}$	$\phi$	GRAIN SIZE DISTRIBUTION			
MODE 1:	275.0	1.868	GRAVEL: 0.0%	COARSE SAND: 2.7%		
MODE 2:			SAND: 100.0%	MEDIUM SAND: 60.2%		
MODE 3:			MUD: 0.0%	FINE SAND: 36.7%		
D <sub>10</sub> :	202.6	1.329		V FINE SAND: 0.1%		
MEDIAN or D <sub>50</sub> :	272.1	1.878	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.0%		
D <sub>90</sub> :	398.1	2.303	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
(D <sub>90</sub> / D <sub>10</sub> ):	1.965	1.733	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
(D <sub>90</sub> - D <sub>10</sub> ):	195.5	0.974	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
(D <sub>75</sub> / D <sub>25</sub> ):	1.423	1.316	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
(D <sub>75</sub> - D <sub>25</sub> ):	97.38	0.509	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 ( $\bar{x}$ ):	292.8	279.4	1.840	275.6	1.859	Medium Sand
SORTING ( $\sigma$ ):	104.7	1.319	0.400	1.295	0.373	Well Sorted
SKEWNESS ( $Sk$ ):	5.305	0.972	-0.972	0.121	-0.121	Coarse Skewed
KURTOSIS ( $K$ ):	66.69	6.611	6.611	1.029	1.029	Mesokurtic

**GRAIN SIZE DISTRIBUTION**