

## PARTICLE SIZE TERMINOLOGY\*

	U.S. Standard sieve mesh	Grain diameter (mm)		Phi ( $\phi$ ) units	Wentworth size class
GRAVEL	Use wire squares	4096		- 12	Boulder
		1024		- 10	
		256		- 8	Cobble
		64	64	- 6	
		16		- 4	Pebble
	5	4	4	- 2	
	6	3.36		- 1.75	Granule
	7	2.83		- 1.5	
	8	2.38		- 1.25	
	10	2.00	2	- 1.0	
SAND	12	1.68		- 0.75	Very coarse sand
	14	1.41		- 0.5	
	16	1.19		- 0.25	
	18	1.00	1	0.0	Coarse sand
	20	0.84		0.25	
	25	0.71		0.5	Medium sand
	30	0.59		0.75	
	35	0.50	1/2	1.0	
	40	0.42		1.25	Fine sand
	45	0.35		1.5	
	50	0.30		1.75	
	60	0.25	1/4	2.0	
	70	0.210		2.25	Very fine sand
	80	0.177		2.5	
	100	0.149		2.75	Very fine sand
	120	0.125	1/8	3.0	
	140	0.105		3.25	
	170	0.088		3.5	Very fine sand
200	0.074		3.75		
230	0.0625	1/16	4.0	Coarse silt	
270	0.053		4.25		
325	0.044		4.5		
	0.037		4.75		
	0.031	1/32	5.0		
SILT		0.0156	1/64	6.0	Medium silt
	Use	0.0078	1/128	7.0	Fine silt
	pipette	0.0039	1/256	8.0	Very fine silt
	or	0.0020		9.0	Clay
hydro-	0.00098		10.0		
meter	0.00049		11.0		
	0.00024		12.0		
MUD		0.00012		13.0	
		0.00006		14.0	

\* Reproduced from *Field Geologists' Manual*, fifth edition (The Australasian Institute of Mining and Metallurgy: Melbourne). Originally from from Pettijohn, F J, Potter, P E and Siever, R, 1972. *Sand and Sandstone* (Springer-Verlag: New York), p 71.