

TABLE 6.1

Grain Sizes for Sediments

U.S. Standard Sieve Mesh #	Millimeters	Microns	Phi (Φ)	Wentworth Size Class	
	4096		-12	Boulder	G R A V E L
	1024		-10	(-8 to -12 Φ)	
Use _____	256		-8	Cobble (-6 to -8 Φ)	
wire _____	64		-6	Pebble (-2 to -6 Φ)	
squares _____	16		-4		
* 5 _____	4		-2	Granule	S A N D
6 _____	3.36		-1.75		
7 _____	2.83		-1.5		
8 _____	2.38		-1.25		
* 10 _____	2.00		-1.0		
12 _____	1.68		-0.75	Very coarse sand	
14 _____	1.41		-0.5		
16 _____	1.19		-0.25	Coarse sand	
18 _____	1.00		0.0		
20 _____	0.84		0.25		
25 _____	0.71		0.5		
30 _____	0.59		0.75		
* 35 _____ 1/2 _____	0.50	500	1.0	Medium sand	
40 _____	0.42	420	1.25		
45 _____	0.35	350	1.5		
50 _____	0.30	300	1.75		
* 60 _____ 1/4 _____	0.25	250	2.0		
70 _____	0.210	210	2.25	Fine sand	
80 _____	0.177	177	2.5		
100 _____	0.149	149	2.75		
120 _____ 1/8 _____	0.125	125	3.0		
140 _____	0.105	105	3.25		
170 _____	0.088	88	3.5	Very fine sand	
200 _____	0.074	74	3.75		
* 230 _____ 1/16 _____	0.0625	62.5	4.0	Coarse silt	
270 _____	0.053	53	4.25		
325 _____	0.044	44	4.5		
	0.037	37	4.75	M U D	
	1/32 _____	0.031	31		5.0
	1/64 _____	0.0156	15.6		6.0
Analyzed 1/128 _____	0.0078	7.8	7.0		Medium silt
by _____ 1/256 _____	0.0039	3.9	8.0		Fine silt
pipette _____	0.0020	2.0	9.0		Very fine silt
or _____	0.00098	0.98	10.0		Clay
hydrometer _____	0.00049	0.49	11.0		
	0.00024	0.24	12.0		
	0.00012	0.12	13.0		

From Robert L. Folk, *Petrology of Sedimentary Rocks*, 1968. Used by permission.