

phi scale	Classification	Size
20 to 10	Colloid	0.95 - 0.977 nm
8 to 10	Clay	0.98 - 3.9 $\mu\text{m}$
4 to 8	Silt	3.9 - 62.5 $\mu\text{m}$
3 to 4	Very fine sand	62.5 - 125 $\mu\text{m}$
2 to 3	Fine sand	125 - 250 $\mu\text{m}$
1 to 2	Medium sand	0.25 - 0.5 mm
0 to 1	Coarse sand	0.5 - 1 mm
-1 to 0	Very coarse sand	1 - 2 mm
-2 to -1	Very fine gravel	2 - 4 mm
-3 to -2	Fine gravel	4 - 8 mm
-4 to -3	Medium gravel	8 - 16 mm
-5 to -4	Coarse gravel	16 - 32 mm
-6 to -5	Very coarse gravel	32 - 64 mm
-7 to -6	Small cobble	64 - 128 mm
-8 to -7	Large cobble	128 - 256 mm
< -8	Boulder	> 256 mm