

Water Quality Conversion Chart

	Resistivity	Conductivity	Dissolved Solids	Grains Per Gallon	Ph		
	Ω =ohms	μ S = Microseimens mS = Miliseimens	TDS (ppm or mg/l as CaCo3)	GPG 1 Grain = 17.1 ppm	Max	Min	
Quality ↑	18 M Ω	0.056 μ S	0.028	0.000	7.8	6.2	
	17 M Ω	0.058 μ S	0.029	0.002	7.8	6.2	
	16 M Ω	0.063 μ S	0.031	0,002	7.9	6.1	
	15 M Ω	0.066 μ S	0.033	0.002	7.9	6.1	
	14 M Ω	0.071 μ S	0.036	0.002	7.9	6.1	
	13 M Ω	0.077 μ S	0.038	0.002	7.9	6.1	
	12 M Ω	0.083 μ S	0.042	0.002	8.0	6.0	
	11 M Ω	0.091 μ S	0.045	0.003	8.0	6.0	
	10 M Ω	0.1 μ S	0.05	0.003	8.1	5.9	
	9 M Ω	0.11 μ S	0.055	0.003	8.1	5.9	
	8 M Ω	0.125 μ S	0.063	0.004	8.2	5.8	
	7 M Ω	0.143 μ S	0.0715	0.004	8.3	5.7	
	6 M Ω	0.167 μ S	0.0835	0.005	8.3	5.7	
	5 M Ω	0.2 μ S	0.1	0.006	8.4	5.6	
	4 M Ω	0.250 μ S	0.125	0.007	8.5	5.5	
	3 M Ω	0.333 μ S	0.1665	0.010	8.6	5.4	
	Less Dissolved Solids ↑	2 M Ω	0.5 μ S	0.25	0.015	8.8	5.2
		1 M Ω QC Light	1 μ S	0.5	0.029	9.1	4.9
900 K Ω		1.11 μ S	0.55	0.032	9.2	4.8	
800 K Ω		1.25 μ S	0.625	0.037	9.2	4.7	
700 K Ω		1.43 μ S	0.715	0.042	9.3	4.6	
600 K Ω		1.67 μ S	0.835	0.049	9.4	4.5	
500 K Ω		2 μ S	1	0.058	9.5	4.4	
400 K Ω		2.5 μ S	1.25	0.073	9.6	4.4	
300 K Ω		3.3 μ S	1.65	0.096	9.7	4.3	
200 K Ω QC Light		5 μ S	2.5	0.146	9.7	4.3	
100 K Ω		10 μ S	5	0.292	10.1	3.9	
50 K Ω		20 μ S	10	0.585	10.4	3.6	
40 K Ω		25 μ S	12.5	0.731	10.5	3.5	
30 K Ω		33.3 μ S	16.65	0.974	10.6	3.4	
20 K Ω QC Light		50 μ S	25	1.462	10.8	3.2	
10 K Ω		100 μ S	50	2.974	11.1	2.9	
5 K Ω		200 μ S	100	5.848	11.4	2.6	
1 K Ω		1 mS	500	29.240	12.1	1.9	

