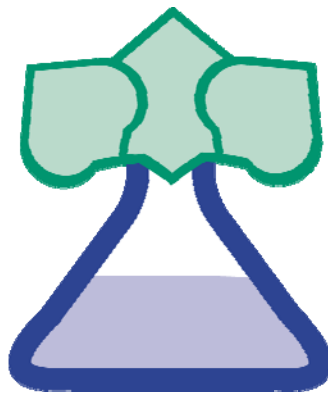


# Water Analysis Interpretative Guidelines



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## GUIDELINES FOR INTERPRETATION OF WATER ANALYSIS

<u>Constituent</u>	<u>Range</u>				
	<u>Very Low</u>	<u>Low</u>	<u>Medium</u>	<u>High</u>	<u>Very</u>
Carbonate, mg/L	0 – 2	2 – 5	5 – 10	10 – 20	20+
Bicarbonate, mg/L	0 – 50	50 – 100	100 – 200	200 – 400	400+
Calcium, mg/L	0 – 25	25 – 50	50 – 75	75 – 100	100+
Magnesium, mg/L	0 – 10	10 – 20	20 – 30	30 – 40	40+
Potassium, mg/L	0 – 10	10 – 20	20 – 30	30 – 40	40+
Sodium, mg/L	0 – 10	10 – 25	25 – 50	50 – 75	75+
Nitrate-N, mg/L	0 – 1	1 – 5	5 – 8	8 – 10	10+
Sulfate-S, mg/L	0 – 10	10 – 20	20 – 40	40 – 80	80+
Phosphate-P, mg/L	0 – 0.10	0.10 – 0.20	0.20 – 0.40	0.40 – 0.80	0.80+
Zinc, mg/L	0 – 0.10	0.10 – 0.20	0.20 – 0.50	0.50 – 5.00	5.00+
Copper, mg/L	0 – 0.05	0.05 – 0.10	0.10 – 0.20	0.20 – 0.30	0.30+
Manganese, mg/L	0 – 0.01	0.01 – 0.02	0.02 – 0.03	0.03 – 0.05	0.05+
Iron, mg/L	0 – 0.05	0.05 – 0.10	0.10 – 0.20	0.20 – 0.30	0.30+
Boron, mg/L	0 – 0.05	0.05 – 0.10	0.10 – 0.20	0.20 – 1.00	1.00+
Chloride, mg/L	0 – 10	10 – 25	25 – 50	50 – 250	250+
Total Dissolved Solids, mg/L	0 – 150	150 – 300	300 – 500	500 – 700	700+
pH	0 – 6.5	6.5 – 7.0	7.0 – 8.0	8.0 – 8.5	8.5+
Conductivity, mg/L	0 – 0.23	0.23 – 0.46	0.46 – 0.78	0.78 – 1.09	1.09+
Fluoride, mg/L	0 – 0.30	0.30 – 0.70	0.70 – 1.20	1.20 – 2.00	2.00+
Hardness, mg/L	0 – 60	60 – 120	120 – 180	180 – 240	240+
Hardness, grains/gallon	0 – 3.5	3.5 – 7.0	7.0 – 10.5	10.5 – 14.0	14.0+
Salinity Hazard	0 – 0.20	0.20 – 0.75	0.75 – 1.50	1.50 – 3.00	3.00+
Sodium Hazard	Refer to back of water analysis report form.				

These guidelines have been categorized into very low, low, medium, high, and very high by Olsen's Agricultural Laboratory. The ranges are based on analysis performed by the laboratory.