

CRMWD WATER QUALITY: Chemical/Physical Analyses of Raw Water

Parameter Analyzed	Reservoir Pump Stations					Well Field Pump Station
	O. H. Ivie	E. V. Spence	Moss Creek	J. B. Thomas Base 3	J. B. Thomas Base 4	Ward County (TPS)
	5/2/2022 ¹	5/2/2022	5/2/2022	5/3/2022	5/9/2022	5/9/2022
Alkalinity, Total (mg/L as CaCO ₃)	144	169	170	170	173	160
Hardness, Total (mg/L as CaCO ₃)	464	552	523	170	165	253
pH (Standard Units)	8.0	8.3	8.1	8.3	8.2	7.4
Specific Conductance (µmhos/cm)	2,087	3,772	3,654	831	847	1,448
Solids, Total Dissolved (mg/L)	1,010	1,820	1,780	380	400	730
Temperature (°C)	22.9	24.4	24.0	19.1	20.9	24.1
Ammonia (mg/L as N)	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chloride (mg/L)	312	692	666	75	76	174
Fluoride (mg/L)	0.4	0.4	0.5	0.6	0.6	1.9
Nitrate (mg/L as N)	0.2	< 0.2	< 0.2	0.2	0.2	1.1
Nitrite (mg/L as N)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Phosphate, ortho (mg/L as P)	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Phosphorus, Total (mg/L as P)	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Sulfate (mg/L)	275	399	383	59	60	173

¹ - Date Sample Collected