

		Irrigation Guidelines	Livestock Guidelines
Physical Tests			
	Units		
pH	pH	5.0-9.5	5.0-9.5
Total Dissolved Solids	mg/L	500	3000
Sodium Adsorption Ratio (SAR)	-	<8	-
Turbidity	NTU	A change of 10NTU	-
Anions and Nutrients			
Chloride (Cl)	mg/L	100	600
Fluoride (F)	mg/L	1.0	1.0
Sulfate (SO₄)	mg/L	-	1000
Bacteriological Tests			
E. coli	cfu/100mL	<77	-
Fecal Coliform	cfu/100mL	<200	-
Total Metals			
Aluminum (Al)	mg/L	5.0	5.0
Arsenic (As)	mg/L	0.1	0.025
Beryllium (Be)	mg/L	0.1	-
Boron (B)	mg/L	0.5	5.0
Cadmium (Cd)	mg/L	0.01	0.02
Chromium (Cr)	mg/L	0.1	1.0
Cobalt (Co)	mg/L	0.05	-
Copper (Cu)	mg/L	0.2	0.3
Fluoride (F)	mg/L	1.0	-
Iron (Fe)	mg/L	5.0	-
Lead (Pb)	mg/L	0.2	0.1
Lithium (Li)	mg/L	2.5	-
Manganese (Mn)	mg/L	0.2	-
Mercury (Hg)	mg/L	0.002	0.003
Molybdenum (Mo)	mg/L	0.01	-
Nickel (Ni)	mg/L	0.2	-
Selenium (Se)	mg/L	0.01	0.03
Uranium (U)	mg/L	0.01	0.2
Zinc (Zn)	mg/L	1.0	2.0

*The above table is an amalgamation of two guiding documents; BC Sprinkler Irrigation Manual 2014 and BC Approved Water Quality Guidelines: Aquatic Life, Wildlife & Agriculture 2019. The lowest guideline value was taken where documents differed.