

Delcliffe Intake Water Quality 2025

Water System: Greater Vernon Water
Source: Okanagan Lake

Sampling Point: Delcliffe Intake
Date of Sample: August 25, 2025

Parameter	Result	Guideline	Unit
ALKALINITY (BICARBONATE, AS CaCO ₃)	116	N/A	mg/L
ALKALINITY (CARBONATE, AS CaCO ₃)	<1.0	N/A	mg/L
ALKALINITY (HYDROXIDE, AS CaCO ₃)	<1.0	N/A	mg/L
ALKALINITY (PHENOLPHTHALEIN, AS CaCO ₃)	<1.0	N/A	mg/L
ALKALINITY (TOTAL, AS CaCO ₃)	116	N/A	mg/L
ALUMINUM (TOTAL)	0.0136	OG < 0.1, MAC = 2.9	mg/L
ANTIMONY (TOTAL)	<0.00020	MAC = 0.006	mg/L
ARSENIC (TOTAL)	<0.00050	MAC = 0.01	mg/L
BARIUM (TOTAL)	0.0233	MAC = 2	mg/L
BERYLLIUM (TOTAL)	<0.00010	N/A	mg/L
BISMUTH (TOTAL)	<0.00010	N/A	mg/L
BORON (TOTAL)	<0.0500	MAC = 5	mg/L
CADMIUM (TOTAL)	<0.000010	MAC = 0.007	mg/L
CALCIUM (TOTAL)	36.1	N/A	mg/L
CHLORIDE	5.97	N/A	mg/L
CHLOROPHYLL A	<1.00	N/A	µg/L
CHROMIUM (TOTAL)	<0.00050	MAC = 0.05	mg/L
COBALT (TOTAL)	<0.00010	N/A	mg/L
COLOUR (TRUE)	<5.0	AO ≤ 15	TCU
CONDUCTIVITY	303	N/A	µS/cm
COPPER (TOTAL)	0.0014	MAC = 2	mg/L
CYANIDE (TOTAL)	<0.0020	MAC = 0.2	mg/L
DISSOLVED ORGANIC CARBON	4.3	N/A	mg/L
FLUORIDE	0.16	MAC=1.5	mg/L
HARDNESS (TOTAL, AS CaCO ₃)	131	N/A	mg/L
IRON (TOTAL)	0.014	AO ≤ 0.3	mg/L
LEAD (TOTAL)	<0.00020	MAC = 0.005	mg/L
LITHIUM (TOTAL)	0.00338	N/A	mg/L
MAGNESIUM (TOTAL)	9.87	N/A	mg/L
MANGANESE (TOTAL)	0.00106	MAC = 0.12	mg/L
MERCURY (TOTAL)	<0.000010	MAC = 0.001	mg/L
MOLYBDENUM (TOTAL)	0.00351	N/A	mg/L
NICKEL (TOTAL)	0.00045	N/A	mg/L
NITRATE + NITRITE	<0.010	N/A	mg N/L
NITRATE	<0.010	N/A	mg N/L
NITRITE	<0.010	N/A	mg N/L
NITROGEN (TOTAL)	0.161	N/A	mg/L
PHOSPHORUS (TOTAL DISSOLVED)	<0.0050	N/A	mg/L
PHOSPHORUS (TOTAL)	<0.0050	N/A	mg/L
PH	8.16	OG = 7.0-10.5	pH units
POTASSIUM (TOTAL)	2.44	N/A	mg/L
SELENIUM (TOTAL)	<0.00050	MAC = 0.05	mg/L
SILICON (TOTAL, AS Si)	3.1	N/A	mg/L
SILVER (TOTAL)	<0.000050	N/A	mg/L
SODIUM (TOTAL)	12.5	AO ≤ 200	mg/L

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STRONTIUM (TOTAL)	0.284	MAC = 7	mg/L
SULFUR (TOTAL)	10.3	N/A	mg/L
TELLURIUM (TOTAL)	<0.00050	N/A	mg/L
THALLIUM (TOTAL)	<0.000020	N/A	mg/L
THORIUM (TOTAL)	<0.00010	N/A	mg/L
TIN (TOTAL)	<0.00020	N/A	mg/L
TITANIUM (TOTAL)	<0.0050	N/A	mg/L
TOTAL DISSOLVED SOLIDS	171	AO ≤ 500	mg/L
TOTAL KJELDAHL NITROGEN	0.161	N/A	mg/L
TOTAL ORGANIC CARBON	4.7	N/A	mg/L
TUNGSTEN (TOTAL)	<0.0010	N/A	mg/L
TURBIDITY	0.46	OG < 1	NTU
URANIUM (TOTAL)	0.00255	MAC = 0.02	mg/L
UV TRANSMITTANCE (FILTERED)	86.4	N/A	% T
VANADIUM (TOTAL)	<0.0050	N/A	mg/L
ZINC (TOTAL)	<0.0040	AO ≤ 5	mg/L
ZIRCONIUM (TOTAL)	<0.00010	N/A	mg/L

"<" = Less than the detection limit shown

N/A = No current guideline

OG = Operational Guideline

MAC = Maximum Acceptable Concentration Guideline

AO = Aesthetic Objective Guideline

Guidelines are for treated drinking water - these samples are untreated water