

Duteau Creek Intake Water Quality 2025

Water System: Greater Vernon Water

Source: Duteau Creek

Sampling Point: Duteau Creek Intake

Date of Sample: July 15, 2025

Parameter	Result	Guideline	Unit
ALUMINUM (TOTAL)	0.104	OG < 0.1, MAC = 2.9	mg/L
ANTIMONY (TOTAL)	<0.0002	MAC = 0.006	mg/L
ARSENIC (TOTAL)	<0.0005	MAC = 0.01	mg/L
BARIUM (TOTAL)	0.0142	MAC = 2	mg/L
BERYLLIUM (TOTAL)	<0.0001	N/A	mg/L
BISMUTH (TOTAL)	<0.0001	N/A	mg/L
BORON (TOTAL)	<0.05	MAC = 5	mg/L
CADMIUM (TOTAL)	<0.00001	MAC = 0.007	mg/L
CALCIUM (TOTAL)	5.64	N/A	mg/L
CHLORIDE	0.17	AO ≤ 250	mg/L
CHLOROPHYLL A	2.18	N/A	mg/L
CHROMIUM (TOTAL)	<0.0005	MAC = 0.05	mg/L
COBALT (TOTAL)	0.00011	N/A	mg/L
CONDUCTIVITY	49.3	N/A	μS/cm
COPPER (TOTAL)	0.00435	MAC = 2	mg/L
CYANIDE (TOTAL)	0.0024	MAC = 0.2	mg/L
DISSOLVED ORGANIC CARBON	9.63	N/A	mg/L
FLUORIDE	<0.10	MAC = 1.5	mg/L
HARDNESS (TOTAL, AS CaCO3)	19.9	N/A	mg/L
IRON (TOTAL)	0.441	AO ≤ 0.1	mg/L
LEAD (TOTAL)	<0.0002	MAC = 0.005	mg/L
LITHIUM (TOTAL)	0.00048	N/A	mg/L
MAGNESIUM (TOTAL)	1.41	N/A	mg/L
MANGANESE (TOTAL)	0.0365	MAC = 0.12, AO ≤ 0.02	mg/L
MERCURY (TOTAL)	<0.00001	MAC = 0.001	mg/L
MOLYBDENUM (TOTAL)	0.00029	N/A	mg/L
NICKEL (TOTAL)	0.00122	N/A	mg/L
NITRATE	0.016	MAC = 10	mg N/L
NITRITE	<0.01	MAC = 1	mg N/L
NITROGEN (TOTAL)	0.372	N/A	mg/L
PHOSPHORUS (TOTAL DISSOLVED)	0.0147	N/A	mg/L
PHOSPHORUS (TOTAL)	0.0251	N/A	mg/L
PH	7.43	OG = 7.0-10.5	pH units
POTASSIUM (TOTAL)	0.86	N/A	mg/L
SELENIUM (TOTAL)	<0.0005	MAC = 0.05	mg/L
SILICON (TOTAL, AS SI)	3.4	N/A	mg/L
SILVER (TOTAL)	<0.00005	N/A	mg/L
SODIUM (TOTAL)	1.42	AO ≤ 200	mg/L
STRONTIUM (TOTAL)	0.0358	MAC = 7	mg/L
SULFUR (TOTAL)	<3.0	N/A	mg/L
SULPHATE	3.3	AO ≤ 500	mg/L
TELLURIUM (TOTAL)	<0.0005	N/A	mg/L
THALLIUM (TOTAL)	<0.00002	N/A	mg/L
THORIUM (TOTAL)	<0.0001	N/A	mg/L
TIN (TOTAL)	<0.0002	N/A	mg/L

TITANIUM (TOTAL)	<0.005	N/A	mg/L
TOTAL KJELDAHL NITROGEN	0.356	N/A	mg/L
TOTAL ORGANIC CARBON	9.71	N/A	mg/L
TUNGSTEN (TOTAL)	<0.001	N/A	mg/L
TURBIDITY	1.63	OG < 1	NTU
URANIUM (TOTAL)	0.000066	MAC = 0.02	mg/L
UV TRANSMITTANCE (FILTERED)	41.5	N/A	% T
UV TRANSMITTANCE (UNFILTERED)	39.7	N/A	% T
VANADIUM (TOTAL)	<0.005	N/A	mg/L
ZINC (TOTAL)	<0.004	AO ≤ 5	mg/L
ZIRCONIUM (TOTAL)	0.00048	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 - this sample is untreated water