

Haddo Weir Water Quality 2024

Water System: Greater Vernon Water
Source: Duteau Creek

Sampling Point: Haddo Weir
Date of Sample: July 17, 2024

Parameter	Result	Guideline	Unit
ALKALINITY (BICARBONATE, AS CaCO3)	4.5	N/A	mg/L
ALKALINITY (CARBONATE, AS CaCO3)	<1.0	N/A	mg/L
ALKALINITY (HYDROXIDE, AS CaCO3)	<1.0	N/A	mg/L
ALKALINITY (PHENOLPHTHALEIN, AS CaCO3)	<1.0	N/A	mg/L
ALKALINITY (TOTAL, AS CaCO3)	4.5	N/A	mg/L
ALUMINUM (TOTAL)	0.115	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)	0.0149	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)	4.29	N/A	mg/L
CHLORIDE	0.21	N/A	mg/L
CHLOROPHYLL A	1.19	N/A	mg/L
CHROMIUM (TOTAL)	<0.0005	MAC = 0.05	mg/L
COBALT (TOTAL)	0.00011	N/A	mg/L
COLOUR (TRUE)	62	AO ≤ 15	TCU
CONDUCTIVITY	40	N/A	µS/cm
COPPER (TOTAL)	0.00131	MAC = 2	mg/L
CYANIDE (TOTAL)	<0.002	MAC = 0.2	mg/L
DISSOLVED ORGANIC CARBON	10.5	N/A	mg/L
FLUORIDE	<0.1	MAC = 1.5	mg/L
HARDNESS (TOTAL, AS CaCO3)	15.8	N/A	mg/L
IRON (TOTAL)	0.4	AO ≤ 0.3	mg/L
LEAD (TOTAL)	<0.0002	MAC = 0.005	mg/L
LITHIUM (TOTAL)	0.00032	N/A	mg/L
MAGNESIUM (TOTAL)	1.22	N/A	mg/L
MANGANESE (TOTAL)	0.0351	MAC = 0.12	mg/L
MERCURY (TOTAL)	<0.00001	MAC = 0.001	mg/L
MOLYBDENUM (TOTAL)	0.00024	N/A	mg/L
NICKEL (TOTAL)	0.00122	N/A	mg/L
NITRATE + NITRITE	<0.01	N/A	mg N/L
NITRATE	<0.01	MAC = 10	mg N/L
NITRITE	<0.01	MAC = 1	mg N/L
NITROGEN (TOTAL)	0.551	N/A	mg/L
PHOSPHORUS (TOTAL DISSOLVED)	0.0111	N/A	mg/L
PHOSPHORUS (TOTAL)	<0.05	N/A	mg/L
PH	6.58	OG = 7.0-10.5	pH units
POTASSIUM (TOTAL)	0.84	N/A	mg/L
SELENIUM (TOTAL)	<0.0005	MAC = 0.05	mg/L
SILICON (TOTAL, AS SI)	3	N/A	mg/L
SILVER (TOTAL)	<0.00005	N/A	mg/L
SODIUM (TOTAL)	1.4	AO ≤ 200	mg/L

STRONTIUM (TOTAL)	0.0298	MAC = 7	mg/L
SULFUR (TOTAL)	<3.0	N/A	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 DISSOLVED SOLIDS	22	AO ≤ 500	mg/L
TOTAL KJELDAHL NITROGEN	0.551	N/A	mg/L
TOTAL ORGANIC CARBON	11.7	N/A	mg/L
TUNGSTEN (TOTAL)	<0.001	N/A	mg/L
TURBIDITY	1.24	OG < 1	NTU
URANIUM (TOTAL)	0.000051	MAC = 0.02	mg/L
UV TRANSMITTANCE (UNFILTERED)	39	N/A	% T
VANADIUM (TOTAL)	<0.005	N/A	mg/L
ZINC (TOTAL)	<0.004	AO ≤ 5	mg/L
ZIRCONIUM (TOTAL)	0.00052	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