

Haddo Weir Water Quality 2025

Water System: Greater Vernon Water
Source: Duteau Creek

Sampling Point: Haddo Weir
Date of Sample: July 24, 2025

Parameter	Result	Guideline	Unit
ALKALINITY (BICARBONATE, AS CaCO ₃)	3.7	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)	3.7	N/A	mg/L
ALUMINUM (TOTAL)	0.121	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)	0.0163	MAC = 2	mg/L
BORON (TOTAL)	<0.05	MAC = 5	mg/L
CADMIUM (TOTAL)	<0.00001	MAC = 0.007	mg/L
CALCIUM (TOTAL)	4.66	N/A	mg/L
CHLORIDE	0.15	AO ≤ 250	mg/L
CHLOROPHYLL A	3.99	N/A	mg/L
CHROMIUM (TOTAL)	0.00345	MAC = 0.05	mg/L
COLOUR (TRUE)	64	AO ≤ 15	TCU
CONDUCTIVITY	39.3	N/A	µS/cm
COPPER (TOTAL)	0.00129	MAC = 2	mg/L
CYANIDE (TOTAL)	0.0033	MAC = 0.2	mg/L
DISSOLVED ORGANIC CARBON	10.7	N/A	mg/L
FLUORIDE	<0.1	MAC = 1.5	mg/L
HARDNESS (TOTAL, AS CaCO ₃)	16.5	N/A	mg/L
IRON (TOTAL)	0.38	AO ≤ 0.1	mg/L
LEAD (TOTAL)	<0.0002	MAC = 0.005	mg/L
MAGNESIUM (TOTAL)	1.17	N/A	mg/L
MANGANESE (TOTAL)	0.0564	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
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)	0.424	N/A	mg/L
PHOSPHORUS (TOTAL DISSOLVED)	0.0133	N/A	mg/L
PHOSPHORUS (TOTAL)	<0.05	N/A	mg/L
PH	6.57	OG = 7.0-10.5	pH units
POTASSIUM (TOTAL)	0.8	N/A	mg/L
SELENIUM (TOTAL)	<0.0005	MAC = 0.05	mg/L
SODIUM (TOTAL)	1.49	AO ≤ 200	mg/L
SULPHATE	2.6	AO ≤ 500	mg/L
TOTAL DISSOLVED SOLIDS	45	AO ≤ 500	mg/L
TOTAL KJELDAHL NITROGEN	0.424	N/A	mg/L
TOTAL ORGANIC CARBON	11.2	N/A	mg/L
TURBIDITY	1.44	OG < 1	NTU
URANIUM (TOTAL)	0.000048	MAC = 0.02	mg/L
UV TRANSMITTANCE (FILTERED)	35.6	N/A	% T

UV TRANSMITTANCE (UNFILTERED)	33.1	N/A	% T
ZINC (TOTAL)	<0.004	AO ≤ 5	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