

Antwerp Springs Deep Well Water Quality 2026

Water System: Greater Vernon Water

Source: Groundwater

Sampling Point: Antwerp Springs PH 2*

Date of Sample: June 9, 2026

Parameter	Result	Guideline	Unit
ALKALINITY (BICARBONATE, AS CaCO ₃)	234	N/A	mg/L
ALKALINITY (CARBONATE, AS CaCO ₃)	< 1	N/A	mg/L
ALKALINITY (HYDROXIDE, AS CaCO ₃)	< 1	N/A	mg/L
ALKALINITY (PHENOLPHTHALEIN, AS CaCO ₃)	< 1	N/A	mg/L
ALKALINITY (TOTAL, AS CaCO ₃)	234	N/A	mg/L
ALUMINUM (TOTAL)	< 0.005	OG < 0.1, MAC = 2.9	mg/L
ANTIMONY (TOTAL)	< 0.0002	MAC = 0.006	mg/L
ARSENIC (TOTAL)	0.001	MAC = 0.01	mg/L
BARIUM (TOTAL)	0.0345	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
BROMIDE	< 0.1	N/A	mg/L
CADMIUM (TOTAL)	< 0.00001	MAC = 0.007	mg/L
CALCIUM (TOTAL)	76.3	N/A	mg/L
CHLORIDE	5.4	AO ≤ 250	mg/L
CHROMIUM (TOTAL)	< 0.0005	MAC = 0.05	mg/L
COBALT (TOTAL)	< 0.0001	N/A	mg/L
COLOUR (TRUE)	< 5	AO ≤ 15	TCU
CONDUCTIVITY	507	N/A	µS/cm
COPPER (TOTAL)	< 0.0004	MAC = 2	mg/L
CYANIDE (TOTAL)	< 0.002	MAC = 0.2	mg/L
FLUORIDE	0.19	MAC = 1.5	mg/L
HARDNESS (TOTAL, AS CaCO ₃)	261	N/A	mg/L
IRON (TOTAL)	0.078	AO ≤ 0.1	mg/L
LEAD (TOTAL)	< 0.0002	MAC = 0.005	mg/L
LITHIUM (TOTAL)	0.00469	N/A	mg/L
MAGNESIUM (TOTAL)	17.1	N/A	mg/L
MANGANESE (TOTAL)	0.111	MAC = 0.12, AO ≤ 0.02	mg/L
MERCURY (TOTAL)	< 0.00001	MAC = 0.001	mg/L
MOLYBDENUM (TOTAL)	0.00634	N/A	mg/L
NICKEL (TOTAL)	< 0.0004	N/A	mg/L
NITRATE	< 0.01	MAC = 10	mg N/L
NITRITE	< 0.01	MAC = 1	mg N/L
NITROGEN (TOTAL)	0.117	N/A	mg/L
PHOSPHORUS (TOTAL DISSOLVED)	0.0204	N/A	mg/L
PHOSPHORUS (TOTAL)	0.0236	N/A	mg/L
PH	8.17	OG = 7.0-10.5	pH units
POTASSIUM (TOTAL)	4.07	N/A	mg/L
SELENIUM (TOTAL)	< 0.0005	MAC = 0.05	mg/L
SILICON (TOTAL, AS SI)	9.3	N/A	mg/L
SILVER (TOTAL)	< 0.00005	N/A	mg/L
SODIUM (TOTAL)	6.57	AO ≤ 200	mg/L

STRONTIUM (TOTAL)	0.769	MAC = 7	mg/L
SULFUR (TOTAL)	18.2	N/A	mg/L
SULPHATE	54.8	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 DISSOLVED SOLIDS	308	AO ≤ 500	mg/L
TOTAL KJELDAHL NITROGEN	0.117	N/A	mg/L
TUNGSTEN (TOTAL)	< 0.001	N/A	mg/L
TURBIDITY	0.47	OG < 1	NTU
URANIUM (TOTAL)	0.0017	MAC = 0.02	mg/L
VANADIUM (TOTAL)	< 0.005	N/A	mg/L
ZINC (TOTAL)	< 0.004	AO ≤ 5	mg/L
ZIRCONIUM (TOTAL)	< 0.0001	N/A	mg/L

*** The Antwerp Springs Deep Well is used as an emergency potable water supply only and is not regularly in use.**

"<" = Less than the detection limit shown

N/A = No current guideline

OG = Operational Guideline

MAC = Maximum Acceptable Concentration Guideline

AO = Aesthetic Objective Guideline