

Kalamalka Lake Intake Water Quality 2025

Water System: Greater Vernon Water

Sampling Point: Kalamalka Lake Intake

Source: Kalamalka Lake

Date of Sample: July 15, 2025

Parameter	Result	Guideline	Unit
1,1,1-TRICHLOROETHANE	<1.0	MAC = 5	µg/L
1,1,2,2-TETRACHLOROETHANE	<0.5	N/A	µg/L
1,1,2-TRICHLOROETHANE	<1.0	N/A	µg/L
1,1-DICHLOROETHANE	<1.0	MAC = 5	µg/L
1,1-DICHLOROETHYLENE	<1.0	N/A	µg/L
1,2-DIBROMOETHANE	<0.3	N/A	µg/L
1,2-DICHLOROBENZENE	<0.5	N/A	µg/L
1,2-DICHLOROETHANE	<1.0	MAC = 5	µg/L
1,2-DICHLOROPROPANE	<1.0	N/A	µg/L
1,3-DICHLOROBENZENE	<1.0	N/A	µg/L
1,3-DICHLOROPROPENE	<1.0	N/A	µg/L
1,4-DICHLOROBENZENE	<1.0	MAC = 5	µg/L
2,4,5-TRICHLOROPHENOXYACETIC ACID	<0.1	N/A	µg/L
2,4-DB	<0.1	N/A	µg/L
2,4-DICHLOROPHENOXYACETIC ACID	<0.1	MAC = 100	µg/L
2-METHYL-4-CHLOROPHENOXYACETIC ACID	<0.02	MAC = 350	µg/L
ACIFLUORFEN	<0.1	N/A	µg/L
ALACHLOR	<0.1	N/A	µg/L
ALDRIN	<0.006	N/A	µg/L
ALPHA-BHC	<0.01	N/A	µg/L
ALUMINUM (TOTAL)	<0.005	OG < 0.1, MAC = 2.9	mg/L
ANTIMONY (TOTAL)	<0.0002	MAC = 0.006	mg/L
ARSENIC (TOTAL)	0.00091	MAC = 0.01	mg/L
ATRAZINE + N-DEALKYLATED METABOLITES	<0.1	MAC = 5	µg/L
AZINPHOS-METHYL	<0.2	N/A	µg/L
BARIUM (TOTAL)	0.0281	MAC = 2	mg/L
BENTAZON	<0.1	N/A	µg/L
BENZENE	<0.5	MAC = 5	µg/L
BERYLLIUM (TOTAL)	<0.0001	N/A	mg/L
BETA-BHC	<0.05	N/A	µg/L
BISMUTH (TOTAL)	<0.0001	N/A	mg/L
BORON (TOTAL)	<0.05	MAC = 5	mg/L
BROMACIL	<0.1	N/A	µg/L
BROMODICHLOROMETHANE	<1.0	N/A	mg/L
BROMOFORM	<1.0	N/A	µg/L
BROMOXYNIL	<0.1	MAC = 30	µg/L
BUTACHLOR	<0.02	N/A	µg/L
CADMIUM (TOTAL)	<0.00001	MAC = 0.007	mg/L
CALCIUM (TOTAL)	39.6	N/A	mg/L
CAPTAN	<0.1	N/A	µg/L
CARBON TETRACHLORIDE	<0.5	MAC = 2	µg/L
CHLORAMBEN	<0.1	N/A	µg/L
CHLORDANE (CIS + TRANS)	<0.05	N/A	µg/L
CHLORIDE	10.2	AO ≤ 250	mg/L
CHLOROBENZENE	<1.0	N/A	µg/L

CHLOROETHANE	<2.0	N/A	µg/L
CHLOROFORM	<1.0	N/A	µg/L
CHLOROPHYLL A	3.15	N/A	mg/L
CHLOROTHALONIL	<0.05	N/A	µg/L
CHLORPYRIFOS	<0.01	MAC = 90	µg/L
CHROMIUM (TOTAL)	<0.0005	MAC = 0.05	mg/L
CIS-1,2-DICHLOROETHYLENE	<1.0	N/A	µg/L
CLOPYRALID	<0.1	N/A	µg/L
COBALT (TOTAL)	<0.0001	N/A	mg/L
CONDUCTIVITY	430	N/A	µS/cm
COPPER (TOTAL)	0.00355	MAC = 2	mg/L
CYANAZINE	<0.1	N/A	µg/L
CYANIDE (TOTAL)	0.004	MAC = 0.2	mg/L
DDT (TOTAL)	<0.01	N/A	µg/L
DELTA-BHC	<0.05	N/A	µg/L
DELTAMETHRIN	<0.1	N/A	µg/L
DIAZINON	<0.02	N/A	µg/L
DIBROMOCHLOROMETHANE	<1.0	N/A	mg/L
DIBROMOMETHANE	<1.0	N/A	µg/L
DICAMBA	<0.1	MAC = 110	µg/L
DICHLOROMETHANE	<3.0	MAC = 50	µg/L
DICHLORPROP (2,4-DP)	<0.1	N/A	µg/L
DICHLORVOS	<0.1	N/A	µg/L
DICLOFOP-METHYL	<0.1	N/A	µg/L
DIELDRIN	<0.01	N/A	µg/L
DIMETHOATE	<0.2	N/A	µg/L
DINOSEB	<0.1	N/A	µg/L
DISSOLVED ORGANIC CARBON	3.87	N/A	mg/L
DISULFOTON	<0.1	N/A	µg/L
DIURON	<0.2	N/A	µg/L
ENDOSULFAN (TOTAL)	<0.01	N/A	µg/L
ENDOSULFAN SULFATE	<0.05	N/A	µg/L
ENDRIN ALDEHYDE	<0.02	N/A	µg/L
ENDRIN KETONE	<0.02	N/A	µg/L
ENDRIN	<0.02	N/A	µg/L
ETHYLBENZENE	<1.0	MAC = 140, AO = 1.6	µg/L
FENCHLORPHOS	<0.1	N/A	µg/L
FENOPROP	<0.1	N/A	µg/L
FLUORIDE	0.19	MAC = 1.5	mg/L
GAMMA-BHC	<0.05	N/A	µg/L
HARDNESS (TOTAL, AS CaCO3)	177	N/A	mg/L
HEPTACHLOR EPOXIDE	<0.01	N/A	µg/L
HEPTACHLOR	<0.01	N/A	µg/L
IRON (TOTAL)	<0.01	AO ≤ 0.1	mg/L
LEAD (TOTAL)	<0.0002	MAC = 0.005	mg/L
LINURON	<0.05	N/A	µg/L
LITHIUM (TOTAL)	0.00629	N/A	mg/L
MAGNESIUM (TOTAL)	19	N/A	mg/L
MALATHION	<0.1	MAC = 290	µg/L
MANGANESE (TOTAL)	0.00158	MAC = 0.12, AO ≤ 0.02	mg/L

MCPB	<0.1	N/A	µg/L
MCPP	<0.1	N/A	µg/L
MERCURY (TOTAL)	<0.00001	MAC = 0.001	mg/L
METHOXYCHLOR	<0.05	N/A	µg/L
METHYL PARATHION	<0.1	N/A	µg/L
METHYL TERT-BUTYL ETHER	<1.0	AO ≤ 15	µg/L
METOLACHLOR	<0.1	N/A	µg/L
METRIBUZIN	<0.2	MAC = 80	µg/L
MOLYBDENUM (TOTAL)	0.00474	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)	0.32	N/A	mg/L
PARATHION	<0.1	N/A	µg/L
PENTACHLORONITROBENZENE	<0.1	N/A	µg/L
PERMETHRIN	<0.01	N/A	µg/L
PHORATE	<0.1	N/A	µg/L
PHOSPHORUS (TOTAL DISSOLVED)	0.0077	N/A	mg/L
PHOSPHORUS (TOTAL)	<0.05	N/A	mg/L
PH	8.11	OG = 7.0-10.5	pH units
PICLORAM	<0.1	N/A	µg/L
POTASSIUM (TOTAL)	4.96	N/A	mg/L
PROMETON	<0.3	N/A	µg/L
PROMETRYNE	<0.1	N/A	µg/L
SELENIUM (TOTAL)	0.00087	MAC = 0.05	mg/L
SILICON (TOTAL, AS SI)	2.3	N/A	mg/L
SILVER (TOTAL)	<0.00005	N/A	mg/L
SIMAZINE	<0.2	N/A	µg/L
SODIUM (TOTAL)	18	AO ≤ 200	mg/L
STRONTIUM (TOTAL)	0.444	MAC = 7	mg/L
STYRENE	<1.0	N/A	µg/L
SULFOTEP	<0.1	N/A	µg/L
SULFUR (TOTAL)	17.5	N/A	mg/L
SULPHATE	49.3	AO ≤ 500	mg/L
TEBUTHIURON	<0.2	N/A	µg/L
TELLURIUM (TOTAL)	<0.0005	N/A	mg/L
TEMEPHOS	<0.5	N/A	µg/L
TERBUFOS	<0.1	N/A	µg/L
TETRACHLOROETHYLENE	<1.0	MAC = 10	µg/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
TOLUENE	<1.0	MAC = 60, AO = 24	µg/L
TOTAL KJELDAHL NITROGEN	0.32	N/A	mg/L
TOTAL ORGANIC CARBON	3.91	N/A	mg/L
TRANS-1,2-DICHLOROETHYLENE	<1.0	N/A	µg/L
TRIALATE	<0.1	N/A	µg/L
TRICHLOROETHYLENE	<1.0	MAC = 5	µg/L
TRICHLOROFLUOROMETHANE	<1.0	N/A	µg/L

TRICLOPYR	<0.1	N/A	µg/L
TRIFLURALIN	<0.2	N/A	µg/L
TUNGSTEN (TOTAL)	<0.001	N/A	mg/L
TURBIDITY	0.84	OG < 1	NTU
URANIUM (TOTAL)	0.00305	MAC = 0.02	mg/L
UV TRANSMITTANCE (FILTERED)	90.8	N/A	% T
UV TRANSMITTANCE (UNFILTERED)	90	N/A	% T
VANADIUM (TOTAL)	<0.005	N/A	mg/L
VINYL CHLORIDE	<1.0	MAC = 2	µg/L
XYLENES (TOTAL)	<2.0	MAC = 90, AO = 20	µg/L
ZINC (TOTAL)	<0.004	AO ≤ 5	mg/L
ZIRCONIUM (TOTAL)	<0.0001	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