



**CONCORD PUBLIC WORKS**  
**Water/Sewer Division**  
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**2023 SOURCE WATER QUALITY SUMMARY**

PARAMETER	EPA GUIDELINE	NAGOG POND*	2ND DIVISION WELL	DEACONESS TREATMENT FACILITY**	JENNIE DUGAN WELL	ROBINSON WELL	HUGH CARGILL WELL	TOWN AVERAGE
pH (average)****	No EPA standard	7.0	7.8	7.2	7.5	7.5	7.2	7.4
Fluoride (average)	4*	0.7	0.6	0.7	0.7	0.7	0.7	0.7
Nitrate (NO3-N)	10	0.1	2.0	0.6	2.0	0.4	1.5	1.1
Nitrite (NO2-N)	1	NT	ND	ND	ND	ND	ND	-
Sodium	No EPA standard	40	40	33	46	32	110	50
Hardness	No EPA standard	24	52	68	82	111	144	80
Alkalinity	No EPA standard	16	69	75	65	65	85	63
Calcium	No EPA standard	7	16	20	24	30	40	23
Magnesium	No EPA standard	1.8	3.5	4.6	5.4	8.6	10.7	5.8
Chloride	250	72	79	65	95	74	214	100
Copper	1	0.026	0.003	0.054	0.015	0.002	0.003	0.017
Iron***	0.30	0.14	0.13	ND	0.09	0.07	ND	0.07
Manganese***	0.050	0.033	0.019	ND	0.009	0.058	0.004	0.021
Potassium	No EPA standard	6.1	34	45.3	39.2	30.3	41.7	32.8
Silver	0.1	ND	ND	ND	ND	ND	ND	ND
Sulfate***	250	ND	14	24.7	19	36	27.2	20.2
Total Dissolved Solids	500	146	300	223	262	297	527	293
Turbidity***	1	0.59	0.04	ND	ND	ND	ND	0.11
Zinc	5	0.047	0.008	0.055	0.044	0.045	0.050	0.041

**Hardness:** In 2023 the average hardness level of Concord's drinking water was **80 ppm or 4.7 grains per gallon.**

\*Data is from 2022, Nagog Pond was offline for all of 2023 due to intake repair.

\*\*White Pond and Deaconess Wells are combined and treated at Deaconess Treatment Facility

\*\*\*Averages have been updated to include 'ND' in calculation (12/19/24)

\*\*\*\*pH results have been updated to reflect data from certified lab

As of December 2015, fluoride treatment was decreased from 1.0ppm to 0.7ppm in accordance with the United States Department of Health and Human Services' (HHS) recommendation.

**TERMS AND ABBREVIATIONS**

All units measured in **ppm (parts per million)**, also known as **milligrams per liter**.

**ND** = None Detected

**NT** = Not Tested

**Turbidity:** a measurement of the cloudiness of the water.

Updated 12/31/2024