



CONCORD PUBLIC WORKS										
Water/Sewer Division										
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2010 SOURCE WATER QUALITY SUMMARY

PARAMETER	EPA GUIDELINE	NAGOG POND*	2ND DIVISION WELL	DEACONESS TREATMENT FACILITY	DEACONESS WELL	WHITE POND WELL	JENNIE DUGAN WELL	ROBINSON WELL	HUGH CARGILL WELL	TOWN AVERAGE	
pH (average)	No EPA standard	6.9	7.1	7.3	Combined at		7.2	7.2	7.3	7.2	
Fluoride (average)	4**	0.9	1.0	1.0	Deaconess Treatment Facility		1.1	1.0	1.1	1.0	
Nitrate (NO3-N)	10	0.01	1.9	See Deaconess Well and White Pond Well for individual well results	0.9	0.1	2.2	0.5	1.2	1.1	
Nitrite (NO2-N)	1	ND	ND		ND	ND	ND	ND	ND	ND	ND
Sodium	No EPA standard	25	24		33	26	33	19	79	35.7	
Hardness	No EPA standard	19	41		76	38	86	92	123	76.0	
Alkalinity	No EPA standard	16.0	42		88	38	67	57	58	58.3	
Calcium	No EPA standard	5.2	13		21.7	10.8	24.9	26.1	34.3	21.8	
Magnesium	No EPA standard	1.37	2.1		5.3	2.7	5.8	6.6	9.1	5.3	
Chloride	250	45.0	37		57.8	19.2	71.5	38.9	198	70.4	
Copper	1	ND	ND		0.100	ND	0.030	0.030	ND	0.053	
Iron	0.3	ND	0.07		0.06	ND	0.11	0.07	ND	0.08	
Manganese	0.05	0.022	0.01		ND	ND	0.01	0.02	ND	0.01	
Potassium	No EPA standard	8.6	21.3		54.8	16.1	36.9	21.7	27.4	29.7	
Silver	0.1	ND	ND		ND	ND	ND	ND	ND	ND	
Sulfate	250	ND	10.4		16.5	12.2	11.6	30.4	10.7	15.3	
Total Dissolved Solids	500	160	152		270	124	286	232	492	259	
Turbidity	1	0.50	0.15		0.15	0.15	0.25	0.2	0.3	0.2	
Zinc	5	0.048	ND	0.07	0.058	0.08	0.1	0.01	0.06		

Hardness: In 2010 the average hardness level of Concord's drinking water was **76 ppm or 4.4 grains per gallon.**

*** Nagog Pond supplied minimal water to the distribution system in 2010 (values not included in Town Averages)**

****The Department of Public Health's goal for fluoride is 1.0 ppm.**

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.