



CONCORD PUBLIC WORKS
Water/Sewer Division
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2011 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	6.7	7.2	7.4	Combined at		7.1	7.1	7.2	7.2	
Fluoride (average)	4**	0.9	0.9	1.0	Deaconess Treatment Facility		1.0	1.1	1.1	1.0	
Nitrate (NO3-N)	10	ND	1.7	See Deaconess Well and White Pond Well for individual well results	0.9	0.1	2.5	0.4	1.0	1.1	
Nitrite (NO2-N)	1	ND	ND		ND	ND	ND	ND	ND	ND	ND
Sodium	No EPA standard	24	27		27	9.5	39	22	54	29.8	
Hardness	No EPA standard	14	32		48	30	54	63	90	52.8	
Alkalinity	No EPA standard	12.0	55		84	35	63	89	66	65.3	
Calcium	No EPA standard	5.8	13		19	12.0	21	25	36.0	21.0	
Magnesium	No EPA standard	1.5	2.7		4.8	2.8	5.2	6.6	10.0	5.4	
Chloride	250	48.0	42		62	23	75	45	190	72.8	
Copper	1	0.013	ND		0.040	0.068	0.017	0.042	0.0026	0.034	
Iron	0.3	0.20	0.89		ND	ND	0.10	0.087	ND	0.36	
Manganese	0.05	0.049	0.022		ND	ND	0.011	0.03	0.005	0.02	
Potassium	No EPA standard	7	28		49	16	33	20	36	30.3	
Silver	0.1	ND	ND		ND	ND	ND	ND	ND	ND	
Sulfate	250	ND	ND		13	ND	9.9	43	5.4	17.8	
Total Dissolved Solids	500	110	150		260	140	250	220	470	248	
Turbidity	1	0.87	ND	ND	ND	ND	0.3	ND	0.3		
Zinc	5	0.0037	0.056	0.053	0.047	0.034	0.53	0.072	0.13		

Hardness: In 2011 the average hardness level of Concord's drinking water was **52.8 ppm or 3.1 grains per gallon.**

***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.