

Raspberry Falls WTP - Finished Water Quality

Parameter	Concentration (mg/L)				
	Entry Point 12/9/2002	Entry Point 9/28/2005	Entry Point 8/4/2008	Well #1 4/14/2009	Well #2 4/14/2009
Hardness, Total		130	170	140	138
Hardness, Calcium				106	110
Total Dissolved Solids		150	150	149	149
Chloride	5	6	7	<10	<10
Calcium		37			
Alkalinity, Total		92		110	108
Alkalinity, Bicarbonate		92	100	110	108
Alkalinity, Caronate				0	0
Conductance (umhos/cm)		250	270	255 uS/cm	250 uS/cm
pH	7.63		7.71	7.6	7.7
Aluminum		0.016	<0.005		
Barium	0.06	0.054	0.11		
Copper		<0.002	<0.002		
Iron	<0.01	0.19			
Lead		<0.002	<0.002		
Magnesium		3.5	4.5		
Potassium		0.82	1.3		
Sodium	<0.5	3.7	5.6		
Zinc	0.03	0.02	<0.01		
Hydrogen Sulfide				<0.005	<0.005
Flouride				<0.4	<0.4
Sulfate	<2	<10	<10	<10	<10
Color		<5	<5	1	1
Aggressive Index Number				12	12
Heterotrophic Plate Count (MPN/ml)				17 MPN/mL	6 MPN/mL
Radon-222 (pCi/ml)				0.0874 pCi/mL	0.107 pCi/mL

Entry Point	8/3/2009	8/4/2009	8/5/2009	8/6/2009	8/7/2009
CO2, mg/L	15.84	44	14	24.2	15.84
pH	7.6	7.81	7.79	7.68	7.69
Temp (degrees Celcius)	22.8	17.3	17.2	15.3	16.2

404 Levade Dr.	8/3/2009	8/4/2009	8/5/2009	8/6/2009	8/7/2009	8/10/2009	8/12/2009	8/14/2009
CO2, mg/L						5.72	6.6	8.8
Temp (degrees Celcius)	23.2	23.1	23.2	24	26.2	22.9	21.5	19.3
pH	7.8	7.8	7.82	7.85	7.86	7.78	7.74	7.59
Free Chlorine Residual						1.66	1.96	2.6
Alkalinity, mg/L						101	106	100

404 Hunters Place	8/10/2009	8/12/2009	8/14/2009
CO2, mg/L	8.36	6.6	11
Temp (degrees Celcius)	22.7	24.8	23
pH	7.62	7.73	7.85
Free Chlorine Residual	0.73	2.2	2.4
Alkalinity, mg/L	119	104	100

401 Swift Water Dr	8/10/2009	8/12/2009	8/14/2009
CO2, mg/L	7.48	8.8	8.8
Temp (degrees Celcius)	18.9	19.1	20.4
pH	7.74	7.7	7.5
Free Chlorine Residual	1.26	2.3	2.1
Alkalinity, mg/L	99	105	102

402 Putters Green Court	8/10/2009	8/12/2009	8/14/2009
CO2, mg/L	7.92	13.2	26.4
Temp (degrees Celcius)	18.4	18.6	18.9
pH	7.8	7.77	7.68
Free Chlorine Residual	2.32	2.21	2.3
Alkalinity, mg/L	96	98	109

Average monthly Finished Water free Chlorine residual up to May 22, 2008 was approx 1.5 - 1.9 mg/L; May 23, 2008 - September 2009 is 2.0 - :

3.0 mg/L: