

**2009 SUMMARY OF WATER QUALITY DATA  
WILLIAM FISHER MEMORIAL WATER SYSTEM**

<b>MICROBIOLOGICAL CONTAMINANTS</b>	<b>TEST DATE</b>	<b>UNIT</b>	<b>PHG</b>	<b>MCL</b>	<b>AVERAGE</b>	<b>VIOLATION</b>	<b>SOURCE OF CONTAMINANTS</b>
Total Coliform Bacteria	2009		0	0	0	No	Naturally present in the environment
<b>DISINFECTION BY-PRODUCTS***</b>	<b>TEST DATE</b>	<b>UNIT</b>	<b>PHG</b>	<b>MCL</b>	<b>AVERAGE</b>	<b>VIOLATION</b>	<b>SOURCE OF CONTAMINANTS</b>
Total Trihalomethane (TTHM)	2009	ppb	n/a	80	N/D	No	By-product of drinking water chlorination
Total Haloacetic Acids (HAA5)	2009	ppb	n/a	60	N/D	No	By-product of drinking water chlorination
<b>INORGANIC CHEMICALS</b>	<b>TEST DATE</b>	<b>UNIT</b>	<b>PHG</b>	<b>MCL</b>	<b>AVERAGE</b>	<b>VIOLATION</b>	<b>SOURCE OF CONTAMINANTS</b>
Nitrate	2009	ppm	45	45	3.5	No	Runoff and leaching from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.
Arsenic *	2009	ppb	n/a	10	16.2	Yes	Erosion of natural deposit; runoff from orchards; glass and electronics production wastes
Fluoride	2009	ppm	.15	2	0.18	No	Erosion of natural deposits; water additive, which promotes strong teeth; discharge from fertilizer and aluminum factories.
Turbidity <sup>1</sup>	2009	NTU	n/a	TT(5.0)	0.1	No	Soil runoff
<b>Secondary Drinking Water Standards</b>	<b>TEST DATE</b>	<b>UNIT</b>	<b>PHG</b>	<b>MCL</b>	<b>AVERAGE</b>	<b>VIOLATION</b>	<b>SOURCE OF CONTAMINANTS</b>
Alkalinity	2009	ppm	n/a	n/a	110	No	
Calcium	2009	ppm	n/a	n/a	33	No	Erosion of natural deposits
Chloride	2009	ppm	n/a	(600)	15	No	Runoff/leaching from natural deposits; seawater influence
Hardness	2009	ppm	n/a	n/a	100	No	Naturally-occurring polyvalent action present in the water, generally magnesium and calcium
Sodium	2009	ppm	n/a	n/a	48	No	Naturally-occurring salt; seawater influence
Specific conductance	2009	umhos/cm	na	1600	410	No	Substances that form ions when in water; seawater influence
Total dissolved solids	2009	ppm	n/a	1000	260	No	Runoff/leaching from natural deposits
<b>Metals - (LEAD &amp; COPPER Monitoring)</b>	<b>TEST DATE</b>	<b>UNIT</b>	<b>PHG</b>	<b>MCL</b>	<b>AVERAGE</b>	<b>VIOLATION</b>	<b>SOURCE OF CONTAMINANTS</b>
Copper	2009	ppm	0.17	AL = n/a* 1000	ND	n/a	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead	2009	ppb	2	AL = n/a*	ND	n/a	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers

**KEY TO TABLE**

AL= Regulatory Action Level \* n/d = none detected \* PHG = Public Health Goal \* MCL = Maximum Contaminant Level NTU = Nephelometric Turbidity Units \* SMCL = Secondary Maximum Contaminant Level \* MCLG = Maximum Contaminant Level Goal \* pCi/L = picocuries per liter ( a measure of radioactivity) \* TT = Treatment Technique \* n/a = not applicable ppb = parts per billion, or micrograms per liter \* ppm = parts per million, or micrograms per liter \* umhos/cm = units of specific conductance

**\* Some people who drink water containing arsenic in excess of the MCL over many years may experience skin damage or circulatory system problems, and may have an increased risk of getting cancer. If you have other health issues concerning the consumption of this water, you may wish to consult your doctor.**