



## Town of Canton Department of Public Works

Public Water Supply  
# 4050000

Dear Canton Water Customer,

The Canton Department of Public Works Water Division, in partnership with the MWRA, is pleased to provide this report on your drinking water and to communicate our efforts in supplying high quality of water to your home. Canton uses an average of 2.4 million gallons of water daily. 90% of this water is supplied by MWRA through a connection to our water system and 10% of the town's water comes from the James Moran Treatment facility which started up in September of 2010.

The Town of Canton has a distribution system of over 122 miles of water mains. The distribution system consists of a network of pipes, valves, hydrants, service lines, five storage tanks and two pump stations.

The system takes water from the MWRA and the treatment plant delivering water to homes, businesses and other facilities for drinking and commercial use. The system is also used for fire protection. The Town is constantly improving our system by performing biennial leak detection surveys to reduce water waste and by daily review of the security of the water system facilities. On a daily basis, our water crews are performing small and large leak detection, checking and verifying pressure, and flushing the pipelines. The Canton Water Department has also replaced extensive amounts of water main and services in town. Our Radio Read Meter Replacement Program and the assigned scheduling of our Meter Reading personnel has decreased our unaccounted usage and increased our ability to meet our financial requirements. These activities, together with our Cross Connection Program, have made our water system safer and more accountable.

**Source Water Assessment:** The DEP conducted a Source Water Assessment Program (SWAP) in 2003 to assess the susceptibility of the Town of Canton's water supply to contamination. The DEP assigned susceptibility ranking of high to Canton. We conduct extensive monitoring as described below. The complete SWAP report is available online [www.mass.gov/dep/water/drinking/swapover.htm](http://www.mass.gov/dep/water/drinking/swapover.htm).

### Lead and Copper:

Sampling Date: 09/15/2008		Next round will be conducted in 2011				
Parameter	Action Level (AL) (ppb)	90th % (ppb)	90th & >AL	# Samples	# Samples above AL	% Samples above AL
Lead	15	2	no	31	0	0
	(mg/l)	(mg/l)				
Copper	1.300	0.058	no	31	0	0

### Fluoride

Contaminant	Date(s) Collected	Highest Result	Range Detected	MCL	MCLG	Violation (Y/N)	Possible Sources of Contamination
Fluoride (ppb)	Monthly	1.1	0.9 - 1.1	4	4	No	Water additive which promotes strong teeth

Fluoride is a naturally occurring element in many water supplies in trace amounts. In our system the fluoride level is adjusted to an optimal level averaging one part per million to improve oral health in children. At this level, it is safe, odorless, colorless, and tasteless. Definitions of terms and abbreviations are found in the body of the report. The MWRA report also includes other EPA required information.

We hope you find this report informative and useful. If you require more information on a particular topic, contacts and phone numbers for MWRA and the EPA are provided on the report.

For detailed information on the status on any of our projects, or for information on town meetings, please visit us at [www.town.canton.ma.us](http://www.town.canton.ma.us) or call Town of Canton Water Division at 781.821.5017.

Michael Trotta, Superintendent  
Department of Public Works