



Hampden Water District

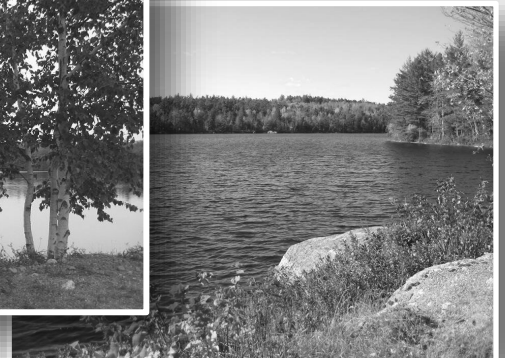
2018 Water Quality Report

Issued June 2019



The Hampden Water District was established in 1938 to provide pure water to the inhabitants of the Town of Hampden for domestic, sanitary, manufacturing, municipal and fire protection purposes.

This report describes the journey that your drinking water takes from its origin at Floods Pond to your tap. It also contains important information regarding the quality of water delivered to your home or business. The Hampden Water District receives its supply of water from the Bangor Water District. In a collaborative effort, this data is compiled for you by the Bangor and Hampden Water Districts. We would like to thank the Bangor Water District for their contributions to this report.



How is your water treated...

Bangor Water District draws water from Floods Pond and begins the treatment process with the use of ozone and ultraviolet light for the

initial disinfection processes. Using carbon dioxide and soda ash, Alkalinity and pH are adjusted for corrosion control purposes. A small amount of fluoride is added for dental health. Chloramines are added as secondary long-term disinfection through the system. The water then enters Hampden Water District's system through three interconnects and additional treatment is added to maintain the disinfection residual and corrosion control throughout our system.

No Violations in 2018

Hampden Water is in compliance with all drinking water regulations administered by the Environmental Protection Agency (EPA) in accordance with the Safe Drinking Water Act.

Water Test Results

Contaminant	Date	Results	MCL	MCLG	Possible Sources of Contamination
Coliform (TCR) (1)	2018	0 positive	1 positive/ month or 5%	0 positive	Naturally present in the environment.
Copper (90th %) (2)	1/1/17— 12/31/2019	0.27 ppm	1.3 ppm Action Level	1.3 ppm	Corrosion of household plumbing systems.
Lead (90th %) (2)	1/1/17— 12/31/2019	7.09 ppb	15 ppb Action Level	0 ppb	Corrosion of household plumbing systems.
Total Haloacetic Acids (HAA5) (3)	7/18/2018	3 ppb	60 ppb	0 ppb	By-product of drinking water chlorination.
Total Trihalomethane (TTHM) (3)	7/18/2018	4 ppb	80 ppb	0 ppb	By-product of drinking water chlorination.
Chlorine Residual	1/1/2018— 12/31/2018	0.05-3.23 ppm	4 ppm MRDL	4 ppm MRDLG	By-product of drinking water chlorination.

- 1) Total Coliform Bacteria: Reported as the highest monthly number of positive samples, for water systems that take less than 40 samples per month.
- 2) Lead / Copper: Action levels (AL) are measured at consumer's tap. 90% of the tests results must be equal to or below the action level.
- 3) TTHM / HAA5: Total Trihalomethanes and Haloacetic Acids (TTHM and HAA5) are formed as a by-product of drinking water chlorination. This chemical reaction occurs when chlorine combines with naturally occurring organic matter in water. Compliance is based on running annual average; 12 month rolling average of all monthly samples at all locations.

All other regulated drinking water contaminants were below detection levels.

Definitions:

Maximum Contaminant Level (MCL): the highest level of a contaminant that is allowed in drinking water.

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health.

Action Level (AL): The concentration of a contaminant that, if exceeded, triggers treatment or other requirements that a water system must follow.

Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLG's do not reflect the benefits of the use of disinfectants to control microbial contaminants.



Units:

ppm: Parts per million or parts per liter (mg/L)

ppb: Parts per billion or micrograms per liter (µg/L)

pos: positive samples



Sources of Drinking Water... Water is life, and you likely obtain it from a variety of sources including tap water and bottled water. The various sources of drinking water include rivers, lakes, ponds, and ground water accessed via wells. As water travels over the surface of land or through the ground beneath, it can dissolve naturally occurring minerals and radioactive material. Water can also pick up substances resulting from human or animal activity. Every effort to protect the Floods Pond watershed to minimize potential sources of contamination to your drinking water. Careful monitoring of our supply keeps us aware of exactly what is and is not present, and we effectively apply treatment to ensure safe drinking water to all of our consumers. The presence of contaminants does not necessarily indicate that water poses a health risk. Contaminants that may be present in source water include:

Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

Inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.

Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.

Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production and can also come from gas stations, urban runoff, and septic systems.

Radioactive Contaminants, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791) or at the following link:

<https://www.epa.gov/ccr/forms/contact-us-about-consumer-confidence-reports>.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Hampden Water District is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested by a certified laboratory. Information of lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at the following link: <http://www.epa.gov/safewater/lead>



FLUSH



COLD WATER



1 TO 3 MINUTES

Eliminating your exposure to lead...
Flush your **cold water tap** for **1 to 3 minutes**
*before using for drinking or cooking, if it has
not been used for several hours.*

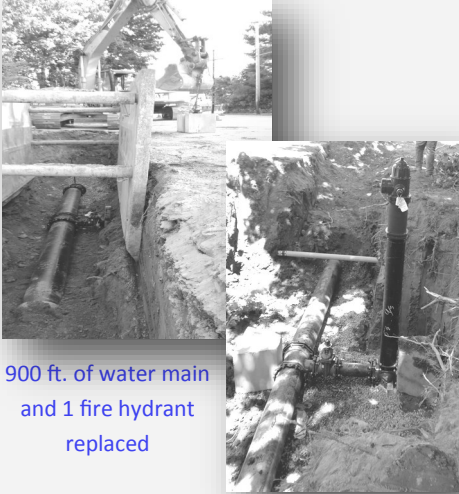


Hampden Water District Newsletter

Here's what is happening throughout your water system...

The Hampden Water District proudly serves safe, reliable drinking water to the inhabitants of the Town of Hampden for domestic, sanitary, manufacturing, municipal and fire protection.

MAIN RD. NORTH ~ MAIN REPLACEMENT



900 ft. of water main
and 1 fire hydrant
replaced

EMERGENCY BACKUP WELL APPROVED



An Emergency Backup Well will ensure adequate fire protection and water to serve our customer if our source was ever compromised.

PUMP STATION 2 UPGRADE



Improved capacity
and added
Corrosion Control

The Hampden Water District prides itself in maintaining adequate infrastructure to provide its customers with safe, reliable drinking water. No pipe lasts forever; leaks can result from many unforeseen factors and pipes degrade overtime. Every year the Hampden Water District completes a variety of tasks that will help to maintain its infrastructure well into the future. In 2018, along with replacing 900 ft. of water line on Main Rd. North, upgrading Pump Station 2 and continued efforts to put an emergency backup well online; the district has assumed ownership of 1300' of water line on Freedom Way, 5200' of water main on the Coldbrook Road, 1300' of water line on Carey Circle West and the installation of 10 additional fire hydrants. Our employees were also busy vacuuming and repairing curb stops throughout the system with the District's Travel Vacuum, replacing four service lines from the main to the curb stop and repairing various gate boxes throughout the system.

Things happening in 2019...

Construction for the Emergency Backup Well will begin in the Fall of 2019 and should be completed in the Spring of 2020. This will include the wells and a well house, along with additional treatment as determined. Due to the MDOT Grist Mill Bridge Replacement moving forward in 2019, some water lines within the project will have to be moved, water lines will also be installed up to, but not under the bridge decking for future installation, if the water line under the stream were to ever fail. These projects will ensure our customers will have a reliable source of water into the future.

You are not just paying for WATER each quarter, your also paying for ...

Public Health—monitoring for contaminants, while following through with regulations ensures our customers can drink safely from the tap.

Fire Protection—providing adequate fire protection and protecting the community from eminent threat of fire.

Infrastructure—maintaining 39.5 miles of water line, 217 fire hydrants, 2 standpipes, 4 pump stations / treatment facilities.

Economic Development—The quantity, quality and cost of public water and fire protection influence a companies decision on locating or expanding a business into the town of Hampden.

PLEASE HELP PROTECT OUR WORKERS...

- Be alert while driving
- Slow down as you approach
- Give them extra room
- Be prepared to stop



On various occasions our employees have encountered distracted drivers. One of those occasions, a driver went off the road, nearly striking two of our employees and hit a series of mailboxes!!! Our employees depend on you to keep control of the vehicle your driving.

DO YOUR PART, KEEP CONTROL OF YOUR VEHICLE AND AVOID DISTRACTED DRIVING!!



Interested in becoming one of our Trustees???

A HWD trustee is part of a quasi-municipal governing body that seeks to ensure the best interest of the rate payers in all management decisions. Each year, the Hampden Water District looks to fill trustee positions who's term is expiring. These positions are filled in one of two ways, either by election or appointment. If you are interested in become a trustee and are a resident of Hampden, please feel free to contact us for more information at (207)862-3490 or email: info@hampdenwaterdistrict.org.



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DIGSAFE... Call before you dig!!!

When should I call Dig Safe? Even small, shallow jobs are a risk if you don't know where utilities are buried. Call Dig Safe any time you dig for any type of project: Landscaping, Fencing, Walkways, Retaining Walls, Clotheslines, Fences, Swing Sets, Mailboxes, Planting Trees & Shrubs, Driveways, Root Removal, Patios, and Basketball Hoops.

Damaging an underground facility is dangerous – for you, and for the people around you. A broken pipe or cable also causes outages, expensive repairs and legal problems. State law requires a call to 811, even for property owners digging on private land.

SUMMER METER

Do you use your outside spigot in the summer to water your garden, wash your car or fill your pool? If so, you may want to consider purchasing a meter that will allow you to track the water that flows through your outside spigots. This allows sewer users to get a rebate on their sewer bill for water that does not go into the public sewer system. Once a meter has been purchased, the Town of Hampden Sewer Department, request notification of the reading before the 15th of the following months; April, July and October. To report your meter reading (first 4 white digits), please call 207-862-3337 or email nikole@hampdenmaine.gov.



**If they looked like this . . .
would you be more careful?**

**SLOW FOR THE
CONE ZONE**





The Hampden Water District proudly serves safe, reliable drinking water to the inhabitants of the Town of Hampden for domestic, sanitary, manufacturing, municipal and fire protection.

Contact Us

The Hampden Water District staff conducted a variety of activities related to water quality during 2018, and we encourage public comment on our efforts. To provide feedback, please contact the district:

Our office:

140 Main Rd. North,
Hampden
Monday—Friday, during normal business
hours: 7:00 am—3:30 pm

Mail:

PO Box 218, Hampden, ME 04444

Phone:

(207) 862-3490

Website:

www.hampdenwaterdistrict.org

The Board of Directors typically meet on the third Thursday of each month at 4:00pm at 140 Main Rd. North in Hampden.

The date and time of all meetings are posted at the Post Office, Town Office, Hannaford's, our office and on our website at: www.hampdenwaterdistrict.org



The Hampden Water District serves approximately 5,200 residential and commercial residents throughout the town of Hampden and provides fire protection throughout various commercial buildings sprinkler systems and 229 fire hydrants. Our water supply and distribution system includes 40.8 miles of water mains. We provide over 100.4 million gallons of water in 2018 (an average of 275,200 gallons per day).

The system stores 1.1 million gallons of water in two storage facilities. This volume of storage allows us to meet the peak system demand of 681,00 gallons in one day (2013), while continuing to maintain an adequate firefighting supply.



Hampden Water District
140 Main Rd. North
P.O. Box 218
Hampden, ME 04444