

GET TO KNOW YOUR DRINKING WATER



Massachusetts Water Resources Authority
2019 Drinking Water Test Results

This report contains very important information about your drinking water. Please translate it, or speak with someone who understands it.

Si usted desea obtener una copia de este reporte en español, llámenos al teléfono 617-788-1190.

La relazione contiene importanti informazioni sulla qualità dell'acqua della Comunità. Tra-durlo o parlarne con un amico che lo comprenda.

O relatório contém informações importantes sobre a qualidade da água da comunidade. Traduza-o ou peça a alguém que o ajude a entendê-lo melhor.

Sprawozdanie zawiera ważne informacje na temat jakości wody w Twojej miejscowości. Poproś kogoś o przełożenie go lub porozmawiaj z osobą, która go dobrze rozumie.

يحتوي هذا التقرير على معلومات هامة عن نوعية ماء الشرب في منطقتك. يرجى ترجمته أو ابحث شخصاً يفهم هذه المعلومات جيداً.

H xarotivén anavoxer. porovoutaúñ otovónes. plhroforoties xia to potivo nepo stis. Praxatoló vos to metapósete n va to otólototete me xarotiov pou to xetólototetev otólototetev.

Im Bericht steht wichtige Information über die Qualität des Wassers Ihrer Gemeinschaft. Der Bericht soll übersetzt werden, oder sprechen Sie mit einem Freund, der ihn gut versteht.

这份报告中有重要的信息，讲到关于您所在社区的水的品质。请您找人翻译一下，或者请能看懂这份报告的朋友给您解释一下。

この資料には、あなたの飲料水についての大切な情報が書かれています。内容をよく理解するために、日本語に翻訳して読むか説明を受けてください。

इस रिपोर्ट में "पाने के पानी" के विषय पर बहुत जरूरी जानकारी दी गई है। कृपया इसका अनुवाद करें, या किसी जानकार से इस बारे में पूछें।

របាយការណ៍នេះមានព័ត៌មានសំខាន់ៗស្តីពីគុណភាពទឹកស្រប។ ប្រសិនបើអ្នកមិនយល់ពីរបាយការណ៍នេះទេ ។

이 보고서에는 귀하가 거주하는 지역의 수질에 관한 중요한 정보가 들어 있습니다. 이것을 번역하거나 충분히 이해하시는 친구와 상의하십시오.

Bản báo cáo có ghi những chi tiết quan trọng về phẩm chất nước trong cộng đồng quý vị. Hãy nhờ người thông dịch, hoặc hỏi một người bạn biết rõ về vấn đề này.

Ce rapport contient des informations importantes à propos de votre eau potable. Demandez à un de traduire ces informations pour vous ou discuter avec une personne qui comprend ces informations.



Massachusetts Water Resources Authority And Your Local Water Department

Where To Go For Further Information

Massachusetts Water Resources Authority (MWRA)	www.mwra.com	617-242-5323
Massachusetts Dept. of Environmental Protection	www.mass.gov/dep	617-292-5500
Massachusetts Dept. of Public Health (DPH)	www.mass.gov/dph	617-624-6000
Department of Conservation and Recreation	www.mass.gov/dcr/watersupply	617-626-1250
US Centers for Disease Control & Prevention (CDC)	www.cdc.gov	800-232-4636
List of State Certified Water Quality Testing Labs	www.mwra.com/testinglabs.html	617-242-5323
Source Water Assessment and Protection Reports	www.mwra.com/sourcewater.html	617-242-5323
Information on Water Conservation	www.mwra.com/conservation.html	617-242-SAVE

Public Meetings

MWRA Board of Directors	www.mwra.com/boardofdirectors.html	617-788-1117
MWRA Advisory Board	www.mwraadvisoryboard.com	617-788-2050
Water Supply Citizens Advisory Committee	www.mwra.com/wscac.html	413-213-0454

For A Larger Print Version, Call 617-242-5323.

This report is required under the Federal Safe Drinking Water Act. MWRA PWS ID# 6000000





MWRA BOARD OF DIRECTORS

Kathleen A. Theoharides,
Chair

John J. Carroll,
Vice Chair

Andrew M. Pappastergion,
Secretary

Christopher Cook

Kevin L. Cotter

Paul E. Flanagan

Joseph C. Foti

Brian Peña

Henry F. Vitale

John J. Walsh

Jennifer L. Wolowicz

For more information on
MWRA and its Board of
Directors, visit
www.mwra.com.

Dear Customer,

I am pleased to share with you the results of our water quality testing for 2019. The hundreds of thousands of tests we take every year ensure your water is safe and of the highest quality, and every federal and state drinking water standard was met.

Of course, the coronavirus is first and foremost in everyone's mind this year. While this report looks back on water quality results from 2019, I want to assure you that your drinking water does not contain or carry the virus and that your water quality remains excellent. The dedicated women and men who run this critical water system have been hard at work throughout the pandemic – protecting the watersheds, running the treatment plants, taking samples every day and performing maintenance.

Lead in drinking water also remains an important issue and we continue to make progress on reducing the risk by treating the water to make it less corrosive, and working with our member communities to identify and remove lead service lines. More information can be found on pages 4 and 5 of this report.

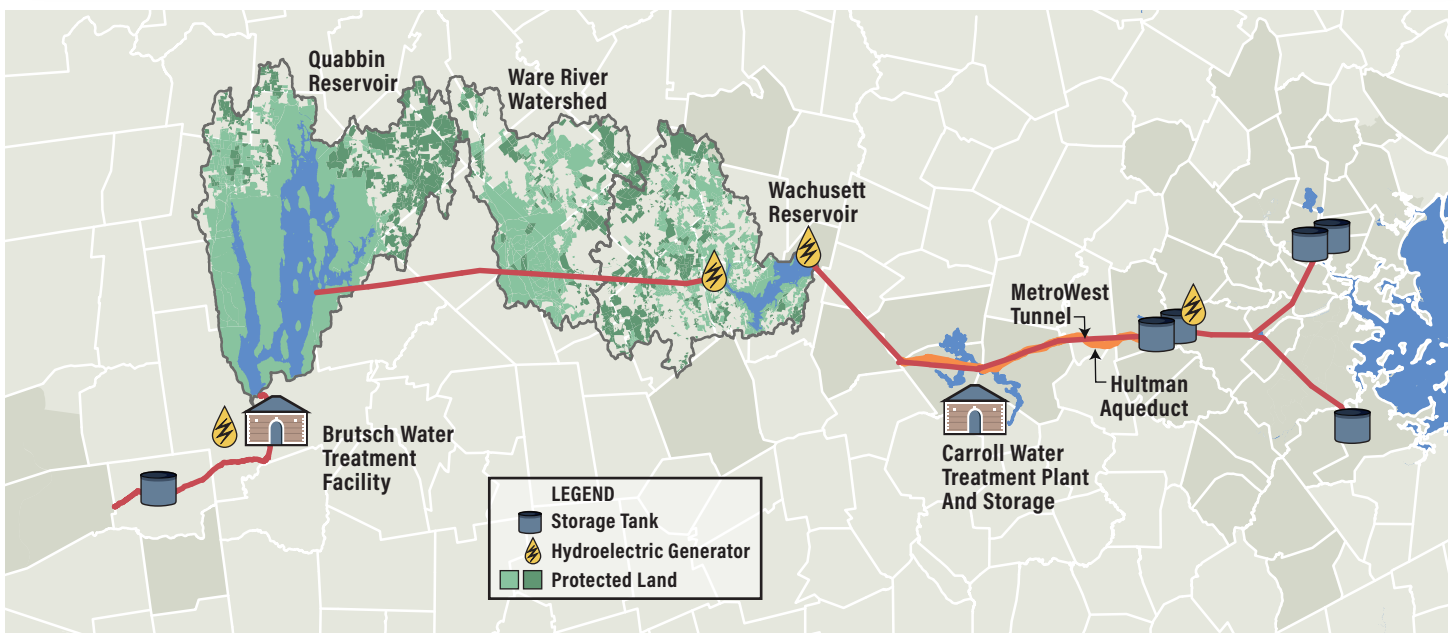
May 2020 also marked the 10th anniversary of the large water main break we had in Weston. Since that time, we have continued work on projects that allow us to re-route the water in the event of a break so that service will not be interrupted. We have begun the initial design phase for two new water tunnels that will allow us to inspect and make repairs to the existing tunnel system, although construction of this project is still several years away.

I hope you will take a few moments to read through this important report and get to know your water. We have great confidence in the water we deliver to your home and we want you to share that confidence. Please contact us if you have any questions about this report or any of MWRA's programs.

Sincerely,

Frederick A. Laskey

Executive Director



YOUR DRINKING WATER

HOW WE PROVIDE SAFE DRINKING WATER



A close-up photograph of a baby wearing a white, fluffy bathrobe. The baby is holding a clear glass up to their eyes, looking through it. The background is a solid, bright green color.



Ozone generator in Carroll Water Treatment Plant

overall sodium intake (less than 5%). MWRA tests for sodium monthly and the highest level found was 40.7 mg/L (about 10 mg per 8 oz. glass). This would be considered Very Low Sodium by the Food and Drug Administration (FDA).

LEAD IN YOUR DRINKING WATER

An Action Level is the amount of lead that requires actions to reduce exposure. If your drinking water sample is above the Lead Action Level, you might need to take additional steps. If more than 10% of your community's samples were over the Lead Action Level, your water department is taking action. See page 7.

REDUCING YOUR LEAD RISK



WHY IS LEAD IN DRINKING WATER IMPORTANT?

Lead poisoning typically comes from exposure to lead paint dust or chips. But lead in drinking water also can contribute to total lead exposure. Depending on the kind of plumbing in your home, or the connection to the water main, lead levels in water can be elevated. To lower your family's risk for lead exposure, review the steps on this page.

Remove Your Lead Pipe - Reduce Lead in Your Water

Lead can come from many sources in the home. A service line connects your building's plumbing to the water main in your street. In some older buildings, it is made of lead and can add significant amounts of lead to your drinking water. Removing and replacing it completely can eliminate the main source of lead in your drinking water. Preventing lead exposure is particularly important if a pregnant woman or child lives in the home or apartment.

Water Service Lines - Old And New

You can identify lead service line by carefully scratching with a key.



New Copper Service Line

Do I Have a Lead Service Line?

Identifying and removing a lead service line can significantly reduce any lead in your drinking water.

One way to find out if you have a lead service line: Scratch the pipe near your water meter with a key. Lead pipes will show a dull grey or silver color, while copper pipes will not. To find out more about your service line contact your local water department. For more information go to www.mwra.com.

MWRA Program to Replace Lead Service Lines

MWRA and its Advisory Board approved \$100 million in zero-interest loans to member communities to fully replace lead service lines. Each community can develop its own local plan, and many communities have already moved forward. To find out more, please read your community letter on page 7 or contact your local water department.

How Do I Test My Tap Water for Lead?

Go to the list of certified laboratories and sampling instructions available on the lead testing page at www.mwra.com. You may also call MWRA at 617-242-5323 for additional information. Some communities have testing services available for their residents.

Free Lead Testing For Schools

The plumbing in some schools can contain lead. To help communities identify problems with lead in school drinking water, MWRA provides free testing for schools and childcare centers. Water samples are tested at our laboratory and the results are provided to the local school, health and water departments. For more information, go to www.mwra.com. We have completed over 38,000 tests from 478 schools across 44 communities. Most of the results are available on the DEP website at www.mass.gov/dep (search for lead in schools). Results may also be available from your local school department.



Reduce Exposure to Lead in Your Home


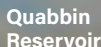
Lead can enter your drinking water through pipes in your home, or your

lead service line (that connects your home to the water main). Take these steps to reduce lead in your drinking water.

- Let the water run before using it: fresh water is better than stale. To save water, fill a pitcher with fresh water and place in the refrigerator for future use.
- Run each faucet used for drinking or cooking until after the water becomes cold anytime your water has not been used for more than six hours.
- Never use hot water from the faucet for drinking or cooking, especially when making baby formula or other food for infants or young children.
- Check your plumbing fixtures to make sure they are lead-free. Read the labels closely.
- Contact your local water department to find out if you have a lead service line—and find out how to replace it.
- Remove loose lead solder and debris. Every few months remove the aerator from each faucet in your home and flush the pipes for 3 to 5 minutes.
- Be careful of places where you may find lead in or near your home. Paint, soil, dust and pottery may contain lead. Call the Massachusetts Department of Public Health at 1-800-532-9571 or 1-800-424-LEAD for information on health and lead.

MWRA'S WATER QUALITY PROGRAM

r

A blue Erlenmeyer flask containing a blue liquid and four white bubbles.



City of Chelsea Department Public Works

Public Water Supply
3057000

The Chelsea DPW is pleased to provide this annual newsletter to keep you informed about your water system.

Our Water Distribution System

The City of Chelsea purchases all of its water directly from the Massachusetts Water Resources Authority (MWRA). The MWRA delivers the water to Chelsea's distribution system through five MWRA master meters. Chelsea's distribution system then delivers the water to homes, businesses, schools, and other facilities for drinking and other uses. The distribution system also delivers water used for fire protection. Chelsea's water distribution system is comprised of approximately 60 miles of water mains ranging in size from six inches to 20 inches in diameter, approximately 575 fire hydrants, over 1000 mainline gate valves, and in excess of 5,100 service shutoff valves ("curb stops").

Upwards of 70% of the water mains in Chelsea's distribution system are over 50 years old and an estimated 47% of the water mains are old unlined cast iron pipe. Unlined pipe allows tuberculation (rust) to grow on the inside surfaces of the pipe. While not a health problem, tuberculation restricts the amount of water conveyed by the pipes during firefighting operations, and can also give the water a rusty or yellow/red appearance. These older mains are also more likely to break and require emergency repair.

Capital Improvements

In 2019, Chelsea replaced old water mains and other components of the distribution system in many locations throughout the city, including portions of Essex Street, Highland Street, Revere Beach Parkway, and Webster Avenue. We also advanced designs for improvements on portions of Beacham Street, Broadway, Williams Street. This expenditure represents a substantial commitment by the City Council, the City Manager, and the Department of Public Works to continue to improve the quality of your drinking water and firefighting capacity.

Lead in Drinking Water

Over the last few years, you have probably seen news reports about lead in drinking water, such as in Flint, Michigan. Chelsea's water is lead-free in the MWRA and Chelsea water mains; however, lead can get into the water from old lead pipes and solder in the water service pipe connecting the building to the city water main in the street. A total of 15 residences and two of the schools (different ones each year) are sampled annually to ensure lead does not exceed Environmental Protection Agency action levels. In 2019, Chelsea's testing indicated that we are well below the Lead Action Level of 15 parts per billion (ppb), with a result of 8.58 ppb. We also sample for copper and are well below the Copper Action Level of 1300 parts per billion (ppb), with a result of 76.5 ppb. We are always seeking additional participants for our sampling program. If you have a lead service line and would like to participate in the annual sampling program, please contact the Chelsea Water & Sewer Department at 617-466-4310.

To reduce the potential for exposure to lead in drinking water, Chelsea began replacing the city-owned portion of lead service pipes many years ago, and over the past decade, replacing the non-city portion of lead service pipes during water main projects. In September 2018, the City embarked on a multi-year program to replace all remaining lead services in Chelsea at no cost to building owners. Through this program 31 lead services were replaced in 2019. The city needs YOUR help to identify where these lead service pipes are located. **We are asking all Chelsea residents and businesses to check your water service and report to us if you have a lead service.**

If you need assistance making this determination, please go to:

https://www.chelseama.gov/sites/chelseama/files/uploads/request_for_lead_service_addresses_2.pdf or call Chelsea Water & Sewer at 617-466-4310. If you have a lead service, please email leadservices@chelseama.gov.

If you have questions or want further information about this letter, your water, or about public meetings, please call or go online to:

Billing: 617-466-4240 Water Operations: 617-466-4310 MWRA Water: 617-242-5323

www.chelseama.gov/public-works www.mwra.com

Thank you.