



2023 Water Quality Report



WATER QUALITY TESTING RESULTS

GROUNDWATER PROTECTION

MANDATORY WATERING SCHEDULE

REBATES



Scan this QR code to access the full water test results online!

CITY OF LACEY, WASHINGTON
cityoflacey.org/water-quality

Pictured: Water crew doing trench restoration after repairing a large water line break on Marvin Rd SE.

A Message from the Mayor

I am pleased to announce that Lacey's drinking water met or exceeded all regulations and mandates established by the Environmental Protection Agency for 2022.

Please take the opportunity to read and learn about the quality of our community's drinking water. You can rest assured knowing that Lacey staff work around the clock to maintain a water system that delivers consistent, high quality drinking water 24/7.

Information contained in this report and online at cityoflacey.org/water-quality enables Lacey's water customers, specifically those with special health considerations, to make informed decisions about the water they use every day.

If you have questions regarding the community's drinking water or the information contained in this report, please contact your Lacey Water Utility at 360-491-5600.



Mayor Andy Ryder



Water Quality Testing Results Now Available

The drinking water delivered to your home in 2022 by the City of Lacey's water utility met or exceeded all regulations and mandates established by the Environmental Protection Agency!

We have a comprehensive water-testing program that takes place each month to ensure our drinking water is safe to drink. To view the 2022 Drinking Water Test Results, visit cityoflacey.org/water-quality. To request a paper copy of the drinking water test results, call 360-491-5600 or email WaterResources@ci.lacey.wa.us.

In the 2022 Drinking Water Test Results, you may also find important information about lead and other contaminants that may be present in all drinking water sources. Immuno-compromised 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, some pregnant women and some infants can be particularly at risk from infections, and are encouraged to visit cityoflacey.org/water-quality to learn more and seek advice about drinking water from their health care providers.

PRIMARY STANDARDS REGULATED BY EPA FOR PROTECTING HEALTH

CONTAMINANT	HIGHEST LEVEL ALLOWED (MCL)	GOAL NOT TO EXCEED (MCLG)	HIGHEST LEVEL DETECTED	LOWEST LEVEL DETECTED	DATE OF HIGHEST LEVEL DETECTED	TYPICAL SOURCE OF CONTAMINANT
Arsenic	10 ppb	0	2 ppb	<1 ppb	7/13/21	
Fluoride	4 ppm	4 ppm	<0.2 ppm	<0.2 ppm	5/18/21	Geology, natural weathering. Fluoride is not added to water
Lead	15 ppb	0	8 ppb	< 1 ppb	8/10/21	Geology, brass fittings
Nitrate	10 ppm	10 ppm	5.6 ppm	<1 ppm	8/16/22	Septic systems, fertilizer, animal waste
Radium 228	5 pCi/L	0 pCi/L	1 pCi/L	<1 pCi/L	7/19/22	Septic systems, fertilizer, animal waste
Total Coliform Bacteria (% monthly samples testing positive)	5%	0%	1%	0%	9/28/22	Naturally present in the environment
Free Chlorine Residual	4 ppm	4 ppm	1.04 ppm	0.34 ppm	11/8/22	Added as a disinfectant to the water system
Total Trihalomethanes	80 ppb	NA	8 ppb	<1 ppb	1/18/22	Reaction of chlorine with naturally occurring organic matter
Total Haloacetic acids	60 ppb	NA	9 ppb	<1 ppb	1/28/22	Reaction of chlorine with naturally occurring organic matter

REGULATED BY THE STATE AT THE CONSUMER'S TAP

CONTAMINANT	STATE ACTION LEVEL	GOAL NOT TO EXCEED (MCLG)	90% PERCENTILE	# SAMPLES OVER STATE ACTION LEVEL	DATE OF HIGHEST LEVEL DETECTED	TYPICAL SOURCE OF CONTAMINANT
Copper	1300 ppb	1300 ppb	934 ppb	1 sample	6/23/20	Corrosion of household plumbing or erosion of natural deposits
Lead	15 ppb	0 ppb	8 ppb	1 sample	6/23/20	Corrosion of household plumbing or erosion of natural deposits

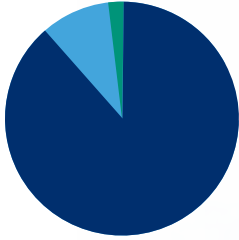
This report contains important information about your drinking water. Have someone translate it for you, or speak with someone who understands it. You will find translated versions of the entire report in Spanish, Korean, Vietnamese, Filipino, and simplified Chinese at cityoflacey.org/water-quality.

Este informe contiene información importante acerca de su agua potable. Haga que alguien lo traduzca para usted, o hable con alguien que lo entienda.

Tài liệu này có tin tức quan trọng về nước uống của quý vị. Hãy nhờ người dịch cho quý vị, hoặc hỏi người nào hiểu tài liệu này.

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. The City of Lacey 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 the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using the water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at epa.gov/safewater/lead.

Where Did Lacey's Water Go in 2022?



88.5% CITY CUSTOMERS WITH WATER METERS
(2.58 billion gallons)

9.4% DISTRIBUTION SYSTEM LEAKAGE**
(275 million gallons)

2.1% AUTHORIZED CITY USES*
(61 million gallons)

For more information about Lacey's distribution system or to report problems, call Public Works at **360-491-5644**.

*Authorized uses include street sweeping, water line flushing, treatment facility maintenance and other related activities.

**Distribution system leakage (DSL) refers to all water that could not be accounted for and is attributed to water main breaks, theft of water and other unknown water losses. The state requires that utility of Lacey's size maintain a DSL of less than 10%.

REBATES

Visit cityoflacey.org/water-conservation-program or call **360-438-2687** for more information.

FREE TOILET REPLACEMENT *(Customers on SEPTIC)*

City of Lacey water customers with on-site septic systems may be eligible for up to 2 **FREE** WaterSense certified High-Efficiency Toilets (HET) to replace toilets that use 3 gallons or more per flush. Toilets installed prior to 1993 will usually qualify.

\$100 TOILET REBATE *(Customers on SEWER)*

Lacey water customers with City sewer service are eligible for a mail-in rebate of up to \$100 for the purchase of qualifying WaterSense certified Ultra-High-Efficiency Toilets (UHET) to replace existing toilets that use 1.6 gallons or more per flush.

\$50 WASHING MACHINE REBATE *(Customers on SEPTIC or SEWER)*

City of Lacey utility customers are eligible for a mail-in rebate of up to \$50 for the purchase of a qualifying ENERGY STAR certified washing machine.

FREE WATER-SAVING ITEMS

- Indoor water saving kit
- Outdoor water saving kit
- Automatic shut-off hose timer
- Soil moisture sensor



Eligible customers may request items at: cityoflacey.org/water-conservation-program or bring in your Lacey utility bill to City Hall.

Pick up items at Lacey City Hall Public works counter, 420 College St. SE, Mon.-Fri., 9 am-5 pm. Orders are limited to one per customer while supplies last.

Call to check availability **360-491-5600**.

THIS SUMMER REMEMBER TO FOLLOW THE

Mandatory Summer Watering Schedule



EFFECTIVE JUNE 1 – SEPT. 30

PLEASE NOTE: Failure to follow the outdoor watering policy could ultimately lead to the discontinuation of your water service and \$250 fine.

Since 2006, the City of Lacey has enforced an ODD/EVEN watering schedule for water customers to help meet peak summer demand. In winter, Lacey uses about 6 million gallons of water a day. In summer, it jumps to 13 million gallons or more a day! This is mostly due to landscape watering. Help us keep water rates as low as possible by reducing your summer water use.

To apply for a temporary exemption or variance from the watering schedule, contact Water Resources at **360-491-5600** or WaterResources@ci.lacey.wa.us

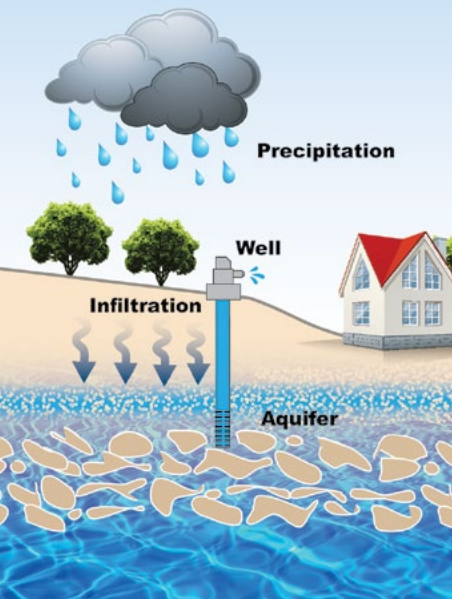
If your address ends with an:	ODD NUMBER 1-3-5-7-9	If your address ends with an:	EVEN NUMBER 0-2-4-6-8	
Your watering days are:	MONDAY, WEDNESDAY & SATURDAY	Your watering days are:	SUNDAY, TUESDAY & THURSDAY	

For more information about how to conserve resources and save money on your water utility bill this summer visit epa.gov/watersense/outdoors



- **Install WaterSense certified smart controls and efficient sprinkler heads on your irrigation system.** Just look for this label.
- **Let your grass turn golden.** It's not dead, just dormant! Water no more than 1" per week. It will turn green again with the autumn rain.
- **Reduce the amount of grass areas in your yard by replacing it with plants that do well with little or no watering.** Look for drought tolerant plants, especially those native to Washington State. You will conserve resources and save money!





Where Does Lacey's Water Come From?

All of the water you use in your home comes from groundwater wells located throughout the greater Lacey area. The wells pump water up from three underground aquifers. An aquifer is a natural underground layer of rock or sand that stores water. Groundwater is found in the pore spaces between the rock and sand.

By the end of 2022, the Lacey water distribution system consisted of:

Water Reservoirs: 8

Production Wells: 20

Waterlines: 425 miles

Hydrants: 4,200

Water Valves: 13,800

Staff Members: 29

Groundwater Protection

In 1995, the City of Lacey began its Wellhead Protection Program to ensure that activities and land uses do not contaminate groundwater quality. This is important because all of our drinking water comes from groundwater, as does most drinking water in Thurston County. Our drinking water can become contaminated if harmful substances sink through the soil and end up in our underground aquifers.

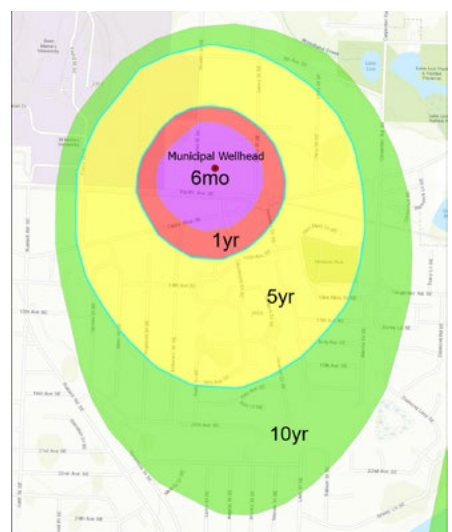
The Wellhead Protection Area (WHPA) illustration below shows how long it takes groundwater to travel through the underground aquifer to reach the wellhead. For example, groundwater in the yellow area takes 5 years to reach the drinking water well. Everyone can help protect our drinking water by proper use, storage and disposal of harmful substances within WHPAs.

Septic systems can be a source of groundwater contamination if not properly used and maintained. It is important for septic system owners to perform regular system maintenance to prevent groundwater contamination and protect the quality of our drinking water. **Want to connect to sewer? For information about the LOTT Clean Water Alliance REBATE of 50-75% off the connection fee, contact WaterResources@ci.lacey.wa.us or 360-491-5600.**

To report someone dumping contaminants or if you find a spill, call 360-491-5644.

WELL HEAD PROTECTION AREA (WHPA)

Time of Travel:
Groundwater to Wellhead



Meet Two Members of Our Hard-working Water Utility Team:



Ryan Jewell joined the City last November as a utility engineer in the Water Resources department of Public Works. He has been working on the design of several water, stormwater, and wastewater projects including Distribution System Improvements, the Woodland Creek Oil Water Separator Replacement, and the Westminster Pond Rehabilitation. Ryan looks forward to helping the City manage stormwater and provide safe drinking water to its residents. He enjoys being a member of the Lacey community!

Phil Petty retired from the Water Department earlier this year after 37 years of dedicated service as a leak detection technician. He responded to countless customer service calls and solved many problems over the years, as well as working on several major projects. His knowledge and skills were vast, saving the City of Lacey millions of gallons of water. Thank you, Phil!



Understanding PFAS

The City of Lacey, along with all large public water systems in the country, will be testing our water sources for 29 different per- and polyfluoroalkyl substances (PFAS) chemicals as required by the U.S. Environmental Protection Agency (EPA). The purpose of this testing is to gain an understanding of the levels at which these chemicals are found in the nation's drinking water systems. The data collected will help the EPA make future decisions on actions needed to protect public health. The city will be sampling in December 2023 and July 2024. Any detections made will be reported in future annual City of Lacey Consumer Confidence Reports.

This sampling data required by the EPA will also be evaluated by the Washington State Department of Health (DOH). The Washington State Board of Health has been proactive when it comes to PFAS and has adopted State Action Levels (SALs) for five of the PFAS chemicals in which there is sufficient information already gathered. Additional information regarding PFAS and regulations concerning them in Washington State can be found at: doh.wa.gov/community-and-environment/contaminants/pfas

Any detectable levels of PFAS from previous sampling done by the City of Lacey and nearby water systems have been well below all current SALs. Call the City of Lacey Water Quality Analyst with questions at **360-493-2410**.



CITY OF **LACEY**

Water Resources
420 College St. S.E.
Lacey, WA 98503

PRSRT STD
U.S. POSTAGE
PAID
OLYMPIA, WA
PERMIT NO. 6

Join Stream Team

Lacey Stream Team helps protect and enhance water resources through community education and action. In 2022, 700 Stream Team volunteers donated over 500 hours to our community through stream re-vegetation projects, stream monitoring, litter clean up, storm drain marking, and other activities. Visit streamteam.info for more information or to sign up for an upcoming volunteer opportunity. You can help enhance our beautiful natural resources. It's rewarding and fun!



Attend a City Council Meeting

City council meetings are generally held at 6:00 pm at Lacey City Hall on the 2nd & 4th Thursday of each month January through October and the 1st & 3rd Thursdays in November and December. Call **360-491-3214** to check upcoming meeting agendas. Meetings are also video recorded and available on our website (live and archived) cityoflacey.org/upcoming-meetings.

Contact Us

- To report problems about Lacey's water system, call **360-491-5644**
- For utility bill questions, call **360-491-5616**
- EPA Safe Drinking Water Hotline:
1-800-426-4791 or visit the EPA Homepage at epa.gov/OW



City of Lacey Spills Hotline

- See a spill or water quality concern? Report it!
- Call **360-491-5644**