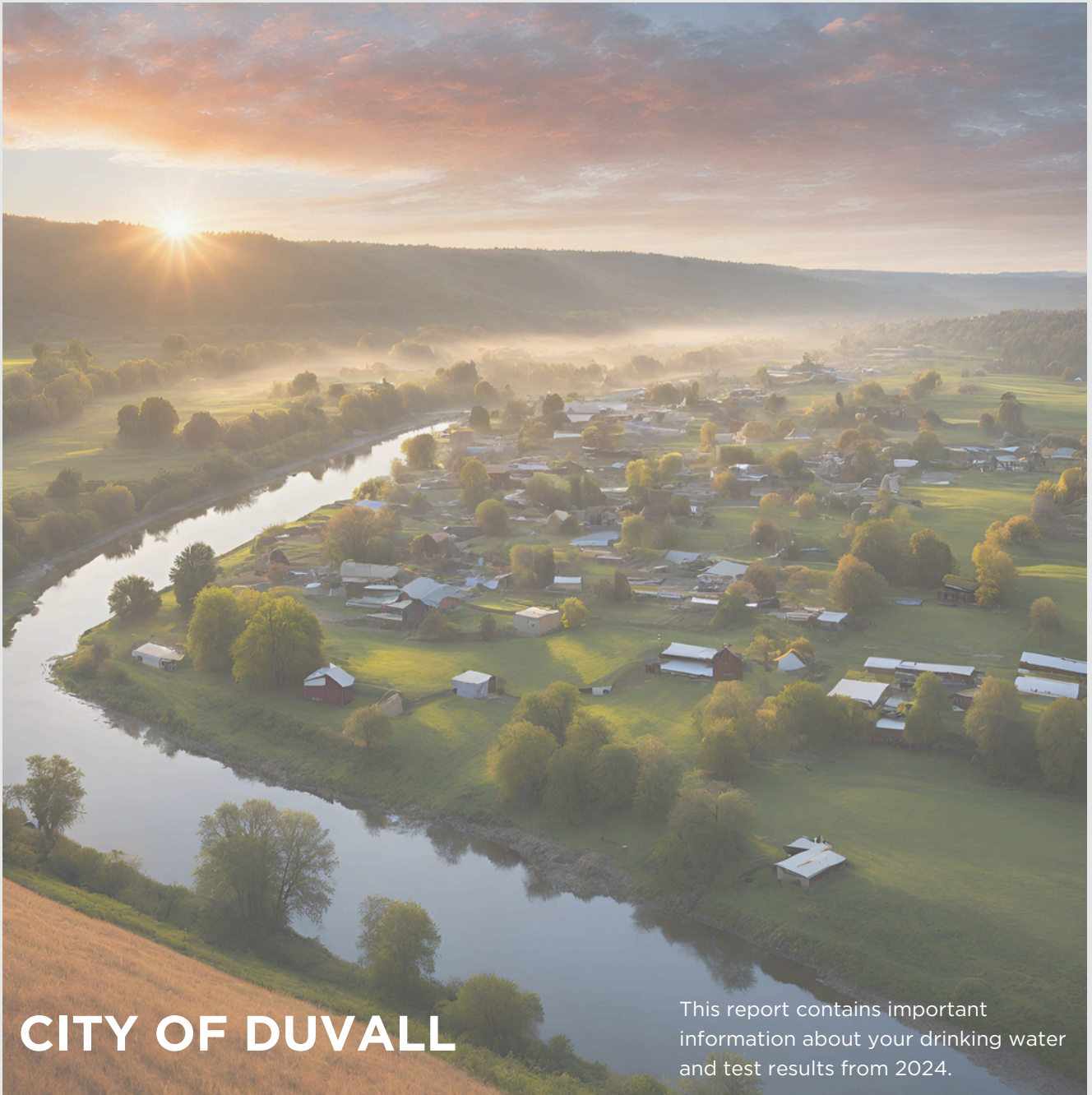

2024 WATER QUALITY REPORT



CITY OF DUVALL

This report contains important information about your drinking water and test results from 2024.

TABLE OF CONTENTS



04

COMMUNITY PARTICIPATION

Find out how to share your thoughts on drinking water and learn about utility bill payment options.

10

WATER CONSERVATION

Use Water Wisely - learn simple actions that can make a big difference.

06

ABOUT PUBLIC WORKS

From clean water to safe roads and beautiful parks, learn how the Public Works team keeps Duvall running.

11

SEWER DEPT UPDATES

Every flush matters! Learn how everyday items can clog pipes, damage the wastewater system, and harm the environment. Find out how to keep things flowing smoothly.

07

WATER INFORMATION

Safe, clean, reliable water for Duvall - we're working to keep your water system strong, resilient, and ready for the future. See the results.

12

STORMWATER DEPT UPDATES

Add a short teaser paragraph here

Contact Us

CITY HALL

425.788.1185

15535 MAIN ST NE

UTILITY BILLING CLERK

425.788.1185 EXT. 8068

UTILITYBILLING@DUVALLWA.GOV

PUBLIC WORKS

425.788.3434

14525 MAIN ST NE

MAILING ADDRESS

PO BOX 1300

DUVALL, WA 98019

AFTER HOURS EMERGENCIES

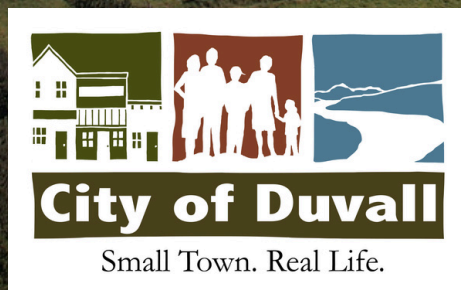
PUBLIC WORKS: 425.419.3748

SEWER: 425.419.7178

Please note these numbers do not receive text messages

ALL OTHER EMERGENCIES 911

Federal regulations require that this report be distributed to all of Duvall's water customers. Our goal is to provide you with safe and high-quality drinking water. Contact Public Works if you would like to have a copy mailed to you.



COMMUNITY PARTICIPATION

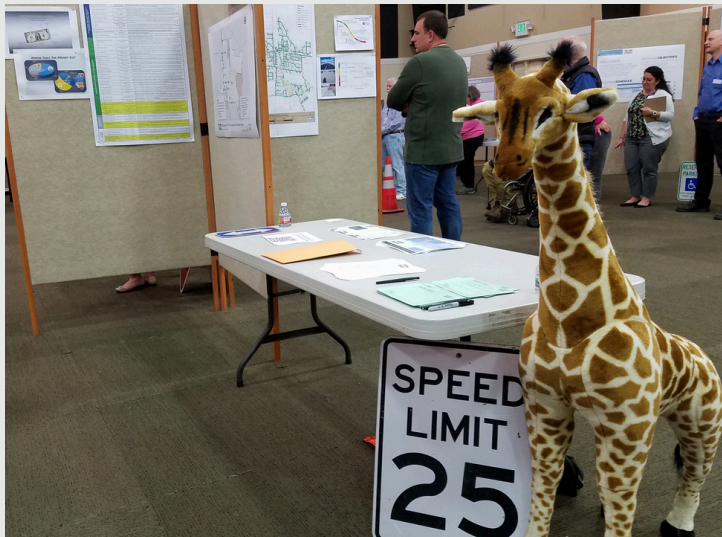


You are invited to participate in our public City Council meetings. You can voice any concerns or suggestions you have about your drinking water.

Council meetings

- 1st & 3rd Tuesdays of each month
- 7:00 pm
- Duvall Visitor Center, 15619 Main St NE or online via Zoom
- Committee of the Whole workshops begin at 5:30 pm

Please check the City's [website](#) or scan the QR code for current meeting information and agenda.



Open House!
Duvall's Parks, Trails, and Open Space Plan



Date
March 26, 2024

Time
6pm to 8pm

Location
*Visitor Center, 15619
 Main Street NE,
 Duvall WA 98019*

UTILITY BILL INFORMATION

The City of Duvall utilities cover water, sewer, and storm drains. Bills are sent the last week of every month and are due on the 20th of the following month (e.g., the bills sent at the end of the month in November are due December 20th). Residential monthly bills typically total \$150 to \$190 per month (costs vary due to water consumption). View the latest [utility rate schedule](#) on the Duvall Finance Department website.

In-person: You can pay by cash, check, or debit/credit (no American Express) at City Hall during regular business hours.

By mail or drop box: You can use the provided envelope to mail your check/money order payment to the City. There is also a drop box outside City Hall for after-hours. It is to the left of our front door. Please do not mail or put cash in the drop box.

ACH (auto withdraw): You may set up ACH payments by filling out the [ACH form](#) and submitting it with a voided check from the account you wish to withdraw the funds. ACH is drawn every month on the 20th unless it falls on a weekend or holiday, in which case it is withdrawn on the following business day. You will still get a statement every month.

OpenGov: You can view and pay your utility bill with a credit card using [OpenGov](#). You can also sign up to receive your bill via email and set up autopay through this system.



ABOUT PUBLIC WORKS



The Public Works Department oversees two-thirds of the City's operational budget and the majority of capital expenses. Our team of 25 staff (8 office support, 17 field crew) is committed to providing timely, cost-effective services through continuous improvement, teamwork, and innovation.

Water

Customers: ~3,148 residential, 162 commercial connections

System: 2 reservoirs, 43 miles of pipe, 437 hydrants, 1 pump station, 8 sampling stands

Staffing: 2 crew members

Sewer

Facility: 1 Wastewater Treatment Plant (WWTP)

Flow: ~628,000 gallons treated daily

Biosolids: 96 tons hauled annually to state-approved site

Staffing: 1 operations manager, 3 crew members

Stormwater

System: 131 public facilities (ponds, swales, vaults), 2,936 catch basins

Private Inspections: 36 annually

Staffing: 2 crew members, 1 technical support

Parks

Assets: 14 parks, 4.4 miles of trails, 135+ acres of parkland, 96 acres of open space

Staffing: 4 crew members

Roads

Infrastructure: 33 miles of roadway

Services: Striping, signage, sidewalks, vegetation control, snow/ice removal, street lighting

Staffing: 4 crew members

Facilities

Buildings: 8 city-owned buildings

Services: Cleaning, maintenance, and repairs

Staffing: 1 full-time crew member



WHERE YOUR WATER COMES FROM

In 2024, the City of Duvall provided over 232 million gallons of high-quality drinking water to approximately 9,176 customers through 3,310 water connections. This water is purchased from Seattle Public Utilities (SPU), which sources it from two protected watersheds in the Cascade Mountains: the Cedar River Watershed and the South Fork Tolt Watershed. All of Duvall's water is from the Tolt Watershed.

SPU refers to these watersheds as "protected" because they own or manage over 100,000 acres of land, which are closed to unsupervised public access. These areas are kept free of agricultural, industrial, and recreational activities, and no one can live within the SPU-owned watersheds. This protection minimizes the chance of contaminants entering the water, though natural sources of contamination remain possible. In SPU's surface water supplies, potential contamination sources include microbial, inorganic, and organic contaminants.

Taking Care of Our Infrastructure

We ensure your water stays safe by maintaining our water infrastructure at peak performance and building new infrastructure to withstand disruptive events.

Building Water Resilience

Our water system is strong, but faces challenges like climate change, natural disasters, aging infrastructure, and technology hacks. Duvall and SPU are investing to keep our water system safe, secure, and reliable.

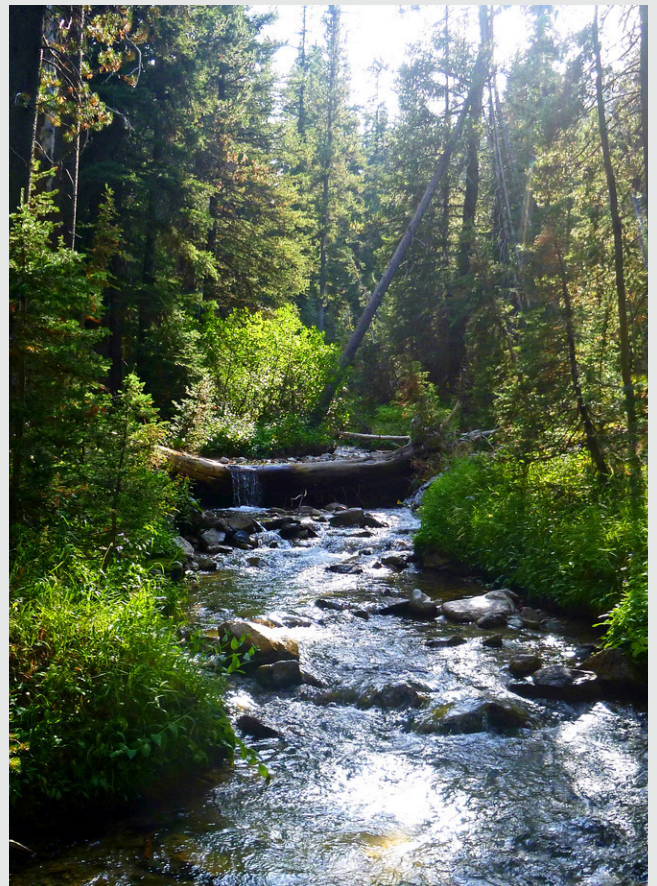
Infrastructure Partnerships

Resilient infrastructure is crucial not just for Duvall, SPU provides water to many cities and special districts in the region. These partnerships help manage water supply, address climate change, improve seismic resilience, and prepare for emergencies.

2024 Water Production and System Leakage

	Gallons	Percent
Water purchase from SPU:	232,513,556	
Authorized consumption:	221,630,156	
Distribution system leakage:	10,883,400	4.7%
3 year average:		4.4%

Federal regulations require that this report be distributed to all of Duvall's water customers. Our goal is to provide you with safe and high-quality drinking water. Contact Public Works if you would like to have a copy mailed to you.



2024 RESULTS

Your water is extensively monitored and tested throughout the year. After testing for nearly 200 chemical compounds, only a few were detected (see table below). For a complete list visit <https://www.seattle.gov/utilities/your-services/water/water-quality/analyses>.



Detected Compounds	Units	EPA's Allowable Limits		Levels in Tolt Water		Typical Sources
		MCLG	MCL	Average	Range	
Raw Water						
Total Organic Carbon	ppm	NA	TT	1.24	1.12 to 1.39	Naturally present in the environment
Finished Water						
Turbidity	NTU	NA	TT	0.04	0.02 to 0.29	Soil runoff
Arsenic	ppb	0	10	0.23	0.2 to 0.3	Erosion of natural deposits
Barium	ppb	2000	2000	1.2	1.1 to 1.4	Erosion of natural deposits
Bromate	ppb	0	10	0.3	ND to 3.8	By-product of drinking water disinfection
Fluoride	ppm	4	4	0.7	0.6 to 0.8	Water additive
Nitrate	ppm	10	10	0.08	One Sample	Erosion of natural deposits
Total Trihalomethanes	ppb	NA	80	28.7	19.8-41.5	By-products of drinking water chlorination
Haloacetic Acids(5)	ppb	NA	60	21.7	13.4-31.4	
Chlorine	ppm	MRDLG =4	MRDL = 4	1.02	0.90-1.14	Water additive used to control microbes

Definitions

MCLG: Maximum Contaminant Level Goal - The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

MCL: Maximum Contaminant Level - The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

MRDL: Maximum Residual Disinfectant Level - 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.

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

TT: Treatment Technique - A required process intended to reduce the level of a contaminant in drinking water.

NTU: Nephelometric Turbidity Unit - Turbidity is a measure of how clear the water looks. The turbidity MCL that applied to the Cedar supply in 2024 is 5 NTU, and for the Tolt supply it was 0.3 NTU for at least 95% of the samples in a month. 100% of Tolt samples in 2024 were below 0.3 NTU.

NA: Not Applicable

ND: Not Detected

ppm: 1 part per million = 1 mg/L = 1 milligram per liter

ppb: 1 part per billion = 1 ug/L = 1 microgram per liter

1 ppm =1000 ppb



Lead and copper monitoring results (Tolt WSA)

Parameter and Units	MCLG	Action Level+	2023 Results*	Homes Exceeding Action Level	Source
Lead, ppb	0	15	3	0 of 55	Corrosion of household plumbing systems
Copper, ppm	1.3	1.3	0.18	0 of 55	

* 90th Percentile: i.e. 90 percent of the samples were less than the values shown.

+ The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

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 Duvall 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 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 <http://www.epa.gov/safewater/lead>.

Summary of UCMR5 Results:

Four rounds of testing were completed in 2023-24 in compliance with state and federal regulations. Metals (Lithium): No significant anomalies were noted. Organic LC (PFAS): No significant anomalies were noted.



HOW CAN I GET MORE INFORMATION:

City of Duvall
www.duvallwa.gov
waterquality@duvallwa.gov

Seattle Public Utilities Water Quality Lab:
<https://www.seattle.gov/utilities/your-services/water/water-quality>
drinkingwater.quality@seattle.gov

Washington State Department of Health:
<https://doh.wa.gov/you-and-your-family/healthy-home/drinking-water>

Environmental Protection Agency:
<https://www.epa.gov/ground-water-and-drinking-water>

Safe Drinking Water Hotline: 1.800.426.4791

WATER CONSERVATION

There are everyday actions we can all take to use water wisely:

- Fix leaks or report leaks to your property manager right away. Fixing leaks prevents water waste and saves money.
- Upgrade older water-using appliances in your home to newer, more efficient models. Go to savingwater.org to learn more about rebates to replace old toilets.
- Choose plants for your yard or garden that are well suited to the Pacific Northwest climate and need less water.
- Build better soil with compost and mulch. Healthy soil absorbs water easily, drains well, and retains moisture. You know it's time to invest in soil health when your higher-water use plants (like lawns or annuals) need more than an inch of water per week, including rain, in the summer.

Visit savingwater.org for gardening tips, videos, and classes.

The Saving Water Partnership (SWP) – which is made up of the City of Duvall and 18 water utility partners – has set a ten-year conservation goal: keep the total average annual retail water use of SWP members under 110 mgd through 2028, despite forecasted population growth, by reducing per capita water use. For 2024, the Saving Water Partnership met the goal, using 94.5 mgd.



WE SHARE OUR WATER WITH THE ENTIRE ECOSYSTEM. THE MOUNTAIN RESERVOIRS THAT SUPPLY OUR TAP WATER ALSO PROVIDE WATER TO RIVERS THAT ARE HOME TO SALMON, TROUT, AND MANY OTHER SPECIES. CONSERVING WATER IN THE SUMMER AND FALL HELPS ADULT SALMON WHO ARE RETURNING TO RIVERS TO SPAWN WHEN STREAM FLOWS ARE NATURALLY LOW.

SEWER SYSTEM SAFETY INFORMATION

Keep It Flowing: Protecting Duvall's Wastewater System

Duvall's Wastewater Treatment Plant (WWTP) is a membrane bioreactor facility operated by a dedicated team of four. It treats approximately 668,325 gallons of wastewater per day. After treatment, biosolids are hauled to approved offsite facilities for use as a soil amendment on agricultural land.

What You Flush Matters

The average household discards about 45 pounds of compostable food scraps and soiled paper each month. When food waste and grease go down the drain, they can stick to pipes, leading to costly backups and overflows into homes or waterways.

Do Not Flush List

Help us protect your plumbing and the city's wastewater system by keeping the following out of toilets and drains:

- Grease, fats, and oil
- Paints, solvents, chemicals
- Wrappers, stickers, latex gloves
- Cleaning and facial wipes (even "flushable" ones)
- Band-aids, dental floss, cotton items
- Kitty litter
- Diapers, nursing pads, baby wipes
- Feminine hygiene products
- Medications (prescription or over-the-counter)
- Condoms, hair



**REMEMBER
WIPES CLOG
PIPES**

Want to learn more?


Watch this "Adam Ruins Everything: Flushable Wipes" video
<https://www.youtube.com/watch?v=TgHVO-RZ8c4&t=206s>




DON'T FLUSH TROUBLE!

THESE ITEMS BELONG IN THE TRASH CAN!





Cleaning wipes




Disposable diapers,
nursing pads & baby wipes




Hair



**USE THE TRASH CAN,
NOT THE TOILET!**




Grease



Condoms



Facial wipes



Tampons and pads

The label might say "flushable," but disposable wipes and other products are clogging our sewer lines and damaging pumps and other equipment. Not only are these problems expensive to fix, they can also cause raw sewage overflows into homes, businesses and local waterways. So, think trash, not toilets!

To learn more, including how to get rid of things you no longer want or need, visit us on the Web at <http://www.kingcounty.gov/wtd> or call the Wastewater Treatment Division at 206-477-5371 or 711 TTY.

 **King County**
 Department of Natural Resources and Parks
 Wastewater Treatment Division

STORMWATER INFORMATION

What is stormwater?

Stormwater is rain or melted snow that runs off streets, lawns, and other surfaces. When this water falls on vegetated soil, it is naturally filtered and absorbed back into the earth. However, when stormwater lands on hard surfaces, like roads, sidewalks, and buildings, it flows into storm drains and eventually enters larger local water bodies.

What about Duvall's stormwater?

Rain and snow melt that is not absorbed by lawns or green spaces travels through a system of pipes, ditches, culverts, and ponds before ultimately entering the Snoqualmie River—without chemical treatment. Therefore, it is critically important that water entering our storm system is as clean as possible.

What can you do?

Unlike many sources of environmental pollution, stormwater quality is impacted on an individual basis. Daily decisions around vehicle maintenance, lawn care habits, and waste disposal will impact the health of our river and greater watershed. Review the list below for tips on how to keep our river clean.

- Report spills or hazardous substances to Duvall's Spill Hotline (425) 939-8040
- Scoop pet waste to reduce the spread of fecal coliform
- Ensure vehicles are free of leaks and tires are properly inflated
- Keep storm drains in your neighborhood clean and clear of debris allowing "only rain down the drain"
- Close dumpster lids to prevent garbage juice leaching



Duvall's community of Stormwater Stewards!

Nearly 100 storm drains have been adopted by residents committed to keeping them clean. Join the effort by adopting a drain in your neighborhood at adopt-a-drain.org!





EPOT & McCORMICK PARKS



City of Duvall

Small Town. Real Life.