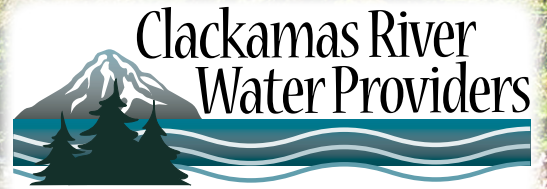




Facebook@CRWP



CRWP YouTube Channel



Working together to protect and conserve our drinking water.

## FALL 2024 News

# The CRWP Thanks You!

For the sixth year in a row, beginning August 15th the CRWP launched our annual summer watering campaign "Fish On the Run, Irrigation Done!". We have asked our customers to participate, and help the Clackamas River by reducing or shutting-off outdoor watering by the beginning of September helping to keep water in the Clackamas River for the fall fish migration.

This year we had 6 customers who submitted pledge applications, most of which received yard signs. A few pledge applicants reused their yard sign from past years, showing neighbors that they are doing their part to keep water in the Clackamas River.

The CRWP would like to thank all of you for your support and participation in this very important campaign. **THANK YOU!!!!!!**



If you did not participate in this year's campaign, no worries, you can participate next year. Keep your eyes on our [CRWP website](#) and our [Facebook](#) page in mid-August for the 2026 Summer Watering Campaign, "Fish On the Run, Irrigation Done!"

For more information contact Christine Hollenbeck at (503) 723-3511 or via email at [christine@clackamasproviders.org](mailto:christine@clackamasproviders.org).

### What's Inside:

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# The Great ShakeOut – October 17, 2024

## Provided by the Regional Water Providers Consortium

This year's International ShakeOut Day is October 17, the world's largest earthquake drill when millions of people will participate in earthquake drills at work, school, or home!

At 10:17 a.m. (local time) on 10/17, you can practice [earthquake safety](#). Emergency management experts and other official preparedness organizations all agree that "Drop, Cover, and Hold On" is the appropriate action to reduce injury and death during earthquakes. The ShakeOut is our opportunity to practice how to protect ourselves during earthquakes. Use this video to walk you through the drill with sound effects: <https://www.youtube.com/watch?v=vm2CvIkVUTE>.

Before October 17th practice how to drop, cover, and hold on wherever you are (in the car? a movie theater? at the beach? all covered!) at <https://bit.ly/ShakeOut-videos>.

*continued on page 2*

CHRISTINE HOLLENBECK, Public Education and Conservation Program Coordinator, (503) 723-3511 • [christine@clackamasproviders.org](mailto:christine@clackamasproviders.org)  
KIM SWAN, Water Resource Manager, (503) 723-3510 • [kims@clackamasproviders.org](mailto:kims@clackamasproviders.org)

# Great ShakeOut continued

You can't predict when an earthquake will happen, but you can prepare now! Stay informed by enabling earthquake alerts on your Android by searching "earthquake" or iPhone by searching "local awareness".

Follow the [CRWP on Facebook](#) the week of October 17th where each day we will post International and local Shakeout Day information to help you be ready!

## Here are 10 ways to help you start with water before an emergency:

**1. Start your emergency prep with water.** Your goal is to have [one gallon of emergency water per person](#) per day or enough to last 14 days. You may need more water if you have family members who are pregnant, on medications, or have other special needs.

**2. Keep it fresh by occasionally replacing your emergency water.** Water stored in your own containers and bottled water doesn't expire, but it will taste less "fresh" after 6-12 months. Be sure to periodically check your emergency water supply to see if it needs to be replaced.

**3. Build up your supply of emergency water over time.** Pulling together enough water for a household can be a big undertaking, but the hardest part is getting started. Build up your supply of emergency water over time by putting bottled water or a sturdy container on your list for the next time you shop.

**4. Store what you can, where you can.** Many homes don't have a ton of storage space, so you may need to [get creative with how and where you store your water](#). Slim containers, bottled water, or two-liter soda bottles fit nicely in small spaces such as under beds, in the back of closets, or in cabinets.

**5. Include your pets in your emergency prep.** Whether feathered, furry, or scaled, your pet will also need water in an emergency. Ask

your vet about how much water to store for them to drink and to keep them clean. Find out more about how to prepare your pet for emergencies at [PublicAlerts.org](#).

**6. Have a toilet plan.** Emergency sanitation is an often-overlooked element of preparedness efforts. Learn how to prepare and use an [emergency toilet system](#) before a disaster. Having a proper toilet will help keep you and our local waterways healthier after a disaster.

**7. Make sure that you can easily access your stored water.** Water is about eight pounds per gallon, so keep that in mind when choosing the size of your containers and where to store them. You may find that a five-gallon container is too heavy for you to move to its storage location or that you'll need a spigot or siphon to access water in larger containers.

**8. Be able to treat more water.** You should also have at least one way to [treat additional water](#), so pick up a bottle of unscented chlorine bleach the next time you shop. Bleach is inexpensive and it can be used for emergency water treatment and for sanitation purposes. Bleach loses its strength over time, so be sure to replace it yearly.

**9. Know how to get water from your water heater and other at-home sources.** Your home's [water heater](#) could provide you with 30-80 gallons of water for drinking, cooking, and hygiene. You may also be able to get water from your home's pipes, canned food, bottled drinks, or melted ice cubes.

**10. Know how to shut off your home's water supply in an emergency.** [Emergency water shut-off valves](#) are often located outside your home by the foundation or in the basement, crawl space under your home, or the garage. (Note: some homes don't have shut-off valves.)

## THIS IS AN EARTHQUAKE DRILL



#ShakeOut

ShakeOut.org



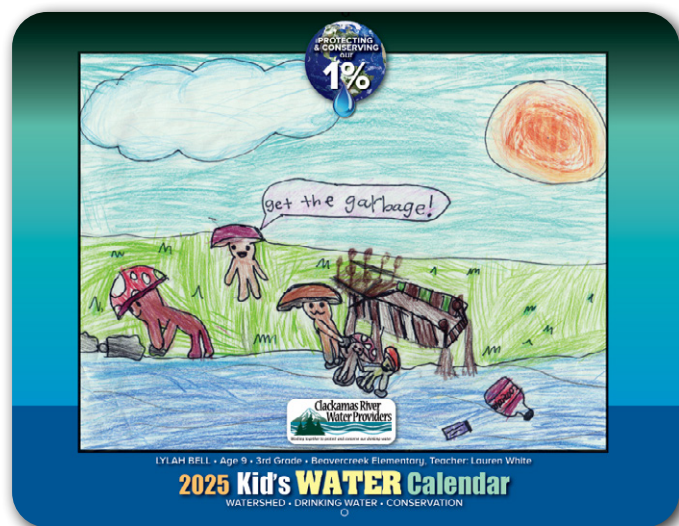
# 2025 Water Calendars are Now Available!

Each year the Clackamas River Water Providers invite teachers and their students to participate in our annual Kids Water Calendar coloring contest.

The theme for the 2025 Calendar is "Protecting and Conserving Our 1%". Students from 27 classes and 14 different schools submitted pictures depicting what protecting and conserving the 1% of earth's fresh water looks like to them. Of the roughly 600 pictures submitted, fourteen pictures were chosen to be in the calendar and displayed on the CRWP website for two weeks so family, friends, and our community members could vote for which one of the 14 pictures would be on the cover.

During the month of September each school that participated in the contest receives a box of calendars to give away to students and families.

In addition, the 2025 calendars are available to the public at your water provider's front offices, local libraries, and upon request by contacting our office at 503-723-3511 or by emailing [christine@clackamasproviders.org](mailto:christine@clackamasproviders.org).



The CRWP annual calendar contest continues to be one of our most successful projects because of the enthusiastic participation of our teachers, students, and community members. Thank you to everyone for your participation and support.

## CRWP Drinking Water Protection Plan

The CRWP has developed a Drinking Water Protection Plan for the Clackamas River to provide its members with a long-term source water protection strategy. This plan was updated in 2021 to reflect changes since the plan was originally written in 2010. We have three primary goals for achieving source water protection in the Clackamas watershed.

### They are to:

1. **Identify, prevent, minimize and mitigate** activities that have known or potentially harmful impacts on drinking water quality so that the Clackamas River can be preserved as a high-quality drinking water source to meet the needs of an increasing human population into the future;
2. **Identify climate mitigation and adaption strategies** that will help ensure a more resilient watershed and drinking water source.
3. **Promote public awareness and stewardship** of healthy watershed ecology in collaboration with other stakeholders.

To achieve these goals the CRWP will need to be an active participant in the watershed and promote activities that reduce potential contaminants including nutrients, bacteria, pesticides, VOC's, PCP's, fine sediments, and other byproducts associated with

urban, agricultural, forest, land development, and road uses that could impact the quality of the treated drinking water. To accomplish these goals and objectives the CRWP will need to:

- Take a leadership role in the protection of the Clackamas River.
- Promote the CRWP's mission of interagency water provider cooperation through the implementation of source water protection mitigation strategies and programs.
- Seek and develop partnerships with agencies, landowners, stakeholders, academia to solicit feedback and to identify opportunities to develop long-term relationships so that water quality objectives, data and information can be shared.
- Collaborate with partners/stakeholders to maximize opportunities to develop and implement long-term solutions for the protection of drinking water supplies as well as the enhancement of water quality for fish and wildlife.
- Conduct additional sub-basin analysis through studies, GIS analysis, pollution load modeling, and water quality monitoring to help prioritize or reprioritize BMPs and mitigation strategies.

*continued on page 5*

# Basin Partners

## Clackamas River Basin Council

The Clackamas River Basin Council (CRBC) is a 501(c)(3) nonprofit watershed council with the mission to foster partnerships for clean water and to improve fish and wildlife habitats and the quality of life for those who live, work and recreate in the Clackamas basin. CRBC supports their mission through a variety of projects including:

- **In-stream projects** such as side channel reconnection projects, large wood enhancement projects, and pond and wetland restoration work. These projects provide essential habitats for threatened and endangered salmon and steelhead who need healthy and complex off-channel habitats.
- **Riparian revegetation programs** such as Shade Our Streams, Clackamas River Invasive Species Partnership and Wildfire Recovery. These programs help residents remove noxious weeds and restore a healthy native riparian canopy to keep our water cool and clean.
- **Outreach and education programs** such as the Clackamas360 Virtual Reality Watershed Health Education Program, youth field experiences, community tabling, and workshops and webinars for all ages.
- **Volunteer programs** including tree and shrubs plantings, invasive species removal events, and trash cleanups such as the Down the River Cleanup.
- **Pesticide reduction programs** include the Pesticide Pledge, water quality monitoring, and community outreach campaigns.

### Recent Changes at CRBC

After 18 years as the CRBC's Executive Director, Cheryl McGinnis, has, transitioned out of her role to enjoy retirement. Cheryl's exceptional efforts and achievements while Executive Director of the CRBC were recognized on the national stage as the recipient of

a 2023 US Forest Service National Rise to the Future Awardee. Under Cheryl's leadership, the CRBC has grown from a small program to a well-funded, high-achieving, and well-respected organization with an annual budget of \$2 million.

### Welcome the New CRBC Executive Director

This past May the CRBC welcomed in their new Executive Director, Mary Logalbo. Mary brings twenty years of experience working in the natural resource field. Mary had worked as an Executive Director of a non-profit watershed association in New York's Adirondack Park shortly after graduating with a Bachelor's of Science in Environmental Science. After a wonderful year of restoration and trail work with AmeriCorps in the beautiful Pacific Northwest she started a long-running career with Soil and Water Conservation Districts (SWCD) including Marion and West Multnomah. In these roles, Mary served as Acting and Interim District Manager as well as conservation planner, grant administer, and equity committee co-chair.

While working for West Multnomah SWCD Mary obtained her Executive Masters in Public Administration. Mary is excited to work to protect the watershed in which she lives with an amazing staff, board, and partnership networks. She looks forward to welcoming more partners and working to address future challenges with an eye towards equitable outcomes, climate resiliency, and watershed health.

The Clackamas River Basin Council partners with the Clackamas River Water Providers (CRWP) in a variety of ways. The CRWP supports the CRBC Pesticide Reduction efforts in the Clackamas basin. Through this partnership, CRBC is able to offer the Pesticide Free and Wise pledges which encourage residents living within the Clackamas River Watershed to commit to caring for their yards and land in ways that support wildlife and drinking water quality. CRWP also supports the pesticide reduction outreach and tabling efforts and the materials CRBC provides to the community including their pesticide fact sheets.

CRBC also partners with CRWP through our Focused Investment Partnership, a group of more than 15 nonprofits, agencies and local municipalities who have voluntarily come together to improve watershed health, and through other groups such as the Clackamas Technical Working Group.





# Drinking Water Protection Plan continued



- Promote public education, awareness and cooperation in the watershed that supports voluntary watershed protection activities.
- Provide funding and resources to implement mitigation strategies and programs recognizing that grants and other outside resources will also be needed.
- Investigate methods to meet future water supply needs for people, through moving water around between providers, looking at alternative water sources, or more aggressive water conservation, while maintaining stream flows for fish and wildlife.
- Identify high-quality lands which contribute to improved water quality and preserve their function.

To download a copy of the Drinking Water Protection Plan go to <https://www.clackamasproviders.org/drinking-water-protection-plan/> or contact Kim Swan, CRWP Water Resource Manager at [kims@clackamasproviders.org](mailto:kims@clackamasproviders.org).

## Are You a Teacher/Educator? CRWP Resources for Schools & Educators

The Clackamas River Water Providers have a number of free water and water conservation resources available to schools, teachers and educators within the CRWP [service area](#). This includes in-person [classroom activities and presentations](#), a full library of water videos and books for all grade levels on everything from the water cycle, properties of water, and how drinking water is made available for teachers to borrow. You can also take advantage of our vast collection of well-known water and environmental manuals as well as indoor home water audit kits.

### For Middle and High School Educators

The CRWP has taken part in and supported many studies in the Clackamas River basin. You and your students might find these reports useful as study material and information for reports.

All of these reports and studies are available under the [Resource and Documents](#) page located on our website.

### Other water education opportunities available from the CRWP are:

- [An Interactive Map of the Clackamas River Watershed](#)
- [In-Person and Virtual Drinking Water Treatment Plant Tours](#)
- [Stories for a Living Stream Assembly Programs with Master Storyteller, Will Hornyak](#)
- [\\$250 Mini Water Education Grants](#)



All of these resources and programs are offered at no cost to our [CRWP schools](#) and teachers, and some of the presentations even include curriculum packets and promotional items, such as activity books, shower timers, and brochures for students to share with their families.

For more information and to see a full list of resources visit our [Teachers Resources webpage](#) or contact our Public Outreach and Education Coordinator at [christine@clackamasproviders.org](mailto:christine@clackamasproviders.org).

## How Water Systems Work

# Leak Detection Programs in Water Distribution

Detecting and repairing leaks is one of the main components of water conservation in water distribution systems. Old or poorly constructed pipelines, inadequate corrosion protection, poorly maintained valves and mechanical damage are some of the factors contributing to leakage. Leak detection has historically assumed that all, if not most, leaks rise to the surface and are visible.

In fact, many leaks continue below the surface for long periods of time and remain undetected. With an aggressive leak detection program, water systems can search for and reduce previously undetected leaks. Water lost after treatment and pressurization, but before it is delivered for the intended use, is water, money, and energy wasted.

Accurate location and repair of leaking water pipes in a supply system greatly reduces these losses. Once a leak is detected, the water utility must take corrective action to minimize water losses in the water distribution system.



### Benefits of Leak Detection and Repair

Minimizing leakage in water systems has many benefits for water customers (and their suppliers).

#### These benefits include:

- Improved operational efficiency.
  - Lowered water system operational cost.
  - Reduced potential for contaminants.
  - Extended life of facilities.
  - Reduced potential property damage and water system liability.
  - Reduced water outage events.
  - Improved public relations.
- Some added benefits of leak detection and repair that are difficult to quantify include:*
- Increased knowledge about the distribution system, which can be used to respond more quickly to emergencies and set priorities for replacement or rehabilitation programs.
  - More efficient use of existing supplies and delayed capacity expansion.
  - Increased firefighting capability.

## Fall Quiz:

Answers - Can be found on page 12

1. Riparian Revegetation Programs include:

- A. Shading Our Streams
- B. Invasive Species Partnerships
- C. Wildfire Recovery
- D. All of the Above

2. Detecting and repairing leaks is one of the main components of water conservation.

- A. True
- B. False

3. Organizations all agree that "Drop, Cover, and Hold On" is no longer used to reduce injury in an earthquake.

- A. True
- B. False

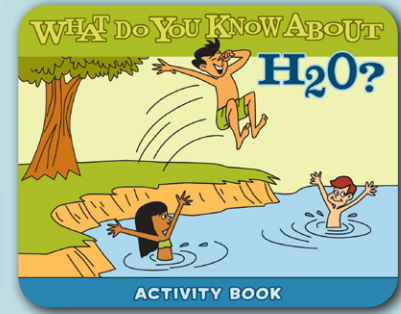
4. How many septic systems in the Clackamas watershed are above our drinking water treatment plants?

- A. Under 50
- B. Over 9,000
- C. Under 5,000
- D. Over a million

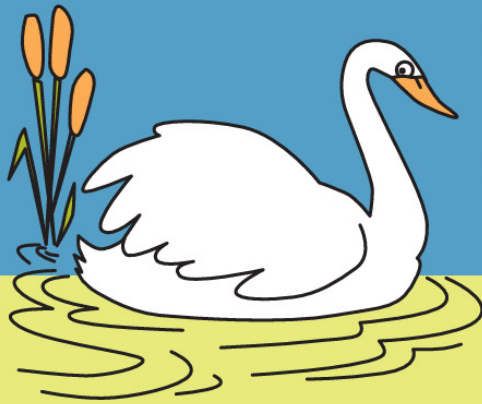


## Activity Book-From the RWPC Youth Book

The [Regional Water Providers Consortium](#) offers an [Activity Book](#) that teachers can use to help inform students about the importance and value of clean water, and how to protect this precious resource. Many of the Clackamas River Water Provider members are also members of the Regional Water Providers Consortium.



# Know More About Water



## BELOW THE SURFACE

You can't survive without water. Do you know where to find it? Hope so, because this test could make you thirsty. Draw a line to link each question with the correct answer.

Give an example of standing surface water.

About how many inches of snow make up an inch of water?

What type of soil is most likely to allow groundwater contamination?

What are smaller streams that flow into larger streams called?

Of all the earth's water, how much of it is found in the oceans?

Water that runs off hard surfaces is called?

What is a geographical area called where all the water drains naturally to one place?

What is the scientific name for the study of groundwater?

What is the name of an artificial lake that stores water?

What is the name for an underground layer of sand, gravel, or other rock that is a source of groundwater to a well or spring?

Tributaries

Aquifer

Watershed

97%

Reservoir

10 inches

Surface run-off

Hydrogeology or geohydrology

Sandy

Lake, ponds, swamps, bogs, marshes

# Fall Is Here!!!!

## It's Time to Turn Off Your Outdoor Irrigation Systems

Plants are going into their dormant stage which means they do not need any supplemental water. If you haven't already done so, it is time to turn off your outdoor irrigation systems and drain them for the winter to prevent freezing.

## Putting Your Irrigation System to Bed for the Winter

Water left in the pipes of your irrigation system can freeze over winter, causing damage to the entire system. You owe it to yourself to make an annual habit of winterizing your irrigation system. That means removing the remaining water from the pipes so there's nothing to expand when temperatures dip down below freezing.

There are three basic methods for draining water from your irrigation system. Which method you should use will depend on the type of irrigation system you have.

### Manual Valve Systems

Some irrigation systems are equipped with manual drainage that allows you to empty excess water from the system by simply opening a valve. If you have such a system, shut off the supply of water to the system, look for the manual valves at the ends and low points of the piping. Open all of the valves and drain the water from the system, including the backflow assembly.

### Automatic Valve Systems

Other irrigation systems are equipped with valves that will automatically drain water out of the pipes if pressure falls below a certain number of pounds per square inch (PSI). These can be activated by turning off the water supply and briefly running one of the sprinkler heads to relieve the water pressure in the system. You may still need to drain the water between the shut off valve and the backflow assembly. If the sprinkler heads are equipped with check valves, you will need to empty those separately.

### Irrigation System Blow-Out

The final method of winterizing your irrigation system is to force compressed air through the system to discharge excess water through the sprinkler heads. This method is potentially hazardous, both to the wrong types of irrigation systems and to anyone who attempts to do this without taking the proper safety precautions. If you've never worked with compressed air or have blown out an irrigation system, we highly recommend you hire a licensed landscape professional for assistance.

Winterizing your irrigation system is a critical part of annual irrigation system maintenance. It can save you from having to pay for the repair of costly leaks and water line breaks in the spring. Visit our website for more information about how to protect your home water systems from freezing and more outdoor water conservation tips.

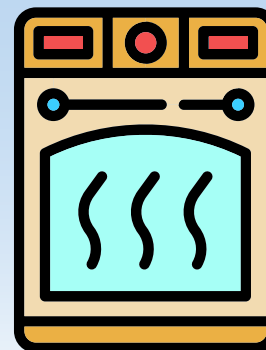
## Fall Water Conservation Tips

### Ways to Conserve Water Outdoors

- As plants go into dormancy, water needs drop dramatically, it is time to winterize and shut off the irrigation system and other outdoor water connections.
- Mulch garden beds to feed the soil and prevent weeds from growing.
- Aerate your lawn and add a top dressing of compost mix to feed the soil promoting root growth during the winter.
- Fall is the perfect time to plant trees and shrubs. The soil is warm, and there is plenty of natural moisture.
- Wash your car at a commercial car wash that recycles its water.

### Ways to Conserve Water Indoors

- Thaw frozen food in your refrigerator, not in the sink with running water.
- Run the dishwasher only when it is full.
- Take 5-minute showers.
- Shut the water off while brushing your teeth and/or shaving.
- Get a free CRWP indoor home water audit kit and find ways you can save water indoors this winter.





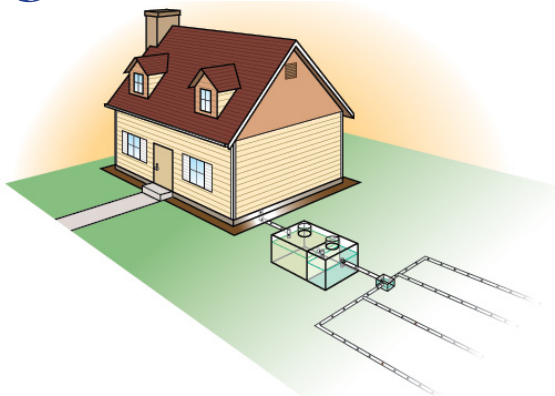
# Septic System Assistance Program & New Video Series

Did you know that there are over 9,000 residential onsite septic systems in the Clackamas watershed above our drinking water intakes? Of these around 1,800 have been ranked as high risk due to septic system age, high density cluster, distance to the Clackamas River and drinking water intakes, as well as vulnerable soils.

Septic systems are the primary method of sewage disposal for rural properties in the Clackamas River Watershed and Clackamas County. Many areas such as Damascus, Lake Grove, and the mountain communities were built before centralized sewer was available in the area. While development in these areas has expanded, the sewer infrastructure may not have kept up, leaving many urban residents still on septic systems.

To help address this issue the CRWP is working with the Clackamas County Soil & Water Conservation District, Clackamas County Water Environment Services, and DEQ to implement a Septic System Assistance Program which includes information and resources as well as financial assistance.

The CRWP's financial assistance program is available for septic system owners who live within the Clackamas River watershed to help systems before they become water quality problems. This includes: 1) a \$200 rebate for septic system pumping, 2) a \$500 rebate for conducting an Existing System Evaluation/Septic System Inspection



following DEQ's criteria, or 3) a Septic System Repair Cost Share program where the CRWP will reimburse 50% of the cost of up to \$1,000 of necessary septic system repairs. This is not intended for routine maintenance, nor for the wholesale replacement of a drain field, sand filter or alternative treatment technology system.

For more information about our Septic System Financial Assistance Program and the eligibility requirements go to <https://www.clackamasproviders.org/septic-system-assistance-program/>

To learn more about how to take care of your septic system. Check out our Resources for Septic System Owners page and our new video series at <https://www.clackamasproviders.org/septic-system-assistance-program-2/>



**Septic Smart Week is September 16-20**

**Celebrate by learning about YOUR septic system!**

**Septic Systems are the primary method of sewage disposal** for rural properties in Oregon. There are over 9,000 septic systems in the Clackamas River watershed and many more in Clackamas County.

Failing septic systems can make your home unsafe as well as contaminate groundwater and surface water.

**If your septic system is failing, no-interest loans are available to repair or replace your system.**

## Septic System Video Series

This video series will provides answers to these questions: what is a septic system, how they work, what are the most common types of septic systems in Oregon. You will also learn the Do's and Don'ts of septic system maintenance.



**Septic Systems and Sewage Overview**

Chapter 1

**Septic System Designs and Site Limitations**

Chapter 2

**Common Types of Septic Systems in Oregon**

Chapter 3

**System Care and Maintenance**

Chapter 4



# CRWP Careers in Water - Highlights

Like most industries, the water industry is in need of employees and our CRWP members are no exception. It takes many different professionals in many different positions to deliver clean, safe drinking water to our communities 24/7, 365 days a year.

A career in the field of public drinking water is rewarding, secure, well-paid, has good benefits, and a great way to contribute to your community. Right now, our members need a number of qualified people to fill a number of positions. Some of the career opportunities include working in Customer Service, Finance, Engineering, Human Resources & Payroll, Information Technology, and Communications, as well as positions in the field such as Water Quality, Distribution, Conservation, and Water Treatment Operators.

Click on the links below to connect with our CRWP members and learn more about careers in drinking water and positions that are currently available.

## • City of Lake Oswego

Utility Technician – Water  
Salary, \$58,075.92 - \$74,134.08 Annually  
Job Type, Full Time

The City of Lake Oswego is seeking qualified candidates for the position of Utility Worker in the Water Division of the Public Works – Operations. The position provides an excellent opportunity for a motivated individual with knowledge of public works systems to serve in a progressive, innovative community.

[To Learn More and Apply](#)

## • Clackamas River Water

Water Treatment Processing Specialist  
CLACKAMAS OR  
\$31.91 to \$41.19 Hourly

Clackamas River Water (CRW) has earned a reputation for providing high-quality drinking water. We are offering an excellent opportunity for you to be part of a sustainable organization by joining our water resources team - well known for providing exceptional service to the community we serve with our most precious resource: water.

Our values for Quality Water | Customer Service | Financial Accountability | Responsible Stewardship govern what we do in serving each other, the public and our surrounding community. [To Learn More and Apply](#)



## • City of Gladstone

POSITION: Utility Worker III  
DEPARTMENT: Public Works  
SALARY RANGE: \$5129 - \$6234 per month  
Eligible for 3% Bi-Lingual Premium  
Full Time, Non-Exempt, Represented (AFSCME)  
CLOSING DATE: October 4, 2024 – 5:00 pm

### GENERAL STATEMENT

Performs a variety of skilled maintenance work, and operates a variety of equipment in the construction, operation, maintenance, and repair of City streets, water, wastewater, storm drainage facilities and systems and parks and grounds.

[To Learn More and Apply](#)

## • City of Gladstone

POSITION: Public Works Supervisor  
DEPARTMENT: Public Works  
SALARY RANGE: \$83,952 - \$102,048/year (DOQ)  
Full-time, Non-Exempt, Non-Represented  
RECRUITMENT IS OPEN UNTIL POSITION IS FILLED.

### GENERAL STATEMENT

This is a non-represented, non-exempt working supervisory position which reports to the Public Works Director and is responsible for the supervision of personnel assigned to parks maintenance, street and road maintenance and facilities. This supervisor will also be expected to perform semi-skilled and skilled maintenance work, and operate a variety of public works equipment.

[To Learn More and Apply](#)



*continued on page 11*

# Careers in Water Continued

## • Oak Lodge Water Services

Administrative Specialist I  
Salary, \$53,788.80 - \$70,033.60 Annually  
Location, Oak Grove, OR  
Job Type, Full Time  
Department, Administrative Services  
Opening Date, 08/26/2024

### Description:

Oak Lodge Water Services (OLWS) provides drinking water, wastewater services and watershed protection to almost 30,000 citizens of the Oak Grove and Jennings Lodge areas through 9,100 customer connections and 200 miles of water and wastewater pipes. Our wastewater treatment plant treats approximately 1.5 billion gallons of wastewater every year.

The Oak Lodge Water Services Administrative Services Department is looking for an Administrative Specialist I to join our team. This position is the primary and first contact for customers of Oak Lodge Water Services. It is also a point of contact for the North Clackamas County Water Commission and The Clackamas River Water Providers. OLWS employees support the mission, vision, and values by exhibiting the following behaviors: excellence and competence, collaboration, innovation, respect for diversity, commitment to our community, and accountability and ownership.

[To Learn More and Apply](#)

## • Sunrise Water Authority

Sunrise Water Authority (SWA) is a public water utility with an excellent reputation for providing safe, reliable water service to approximately 53,000 people in Happy Valley and areas of unincorporated Clackamas County. We seek confident, hardworking people who embody SWA's core values including teamwork and excellence. SWA offers an exciting opportunity in a professional and supportive atmosphere with excellent compensation and benefits, and the opportunity to grow your career while working in a sustainable organization that provides the community with its most precious resource – water.

### Accounting Specialist

Happy Valley  
Full-Time - \$60,320.00 - \$66,560.00 Annually  
Category: Clerical & Data Entry / Accounting and Finance  
Department: Business Operations

[To Learn More and Apply](#)

## • Sunrise Water Authority Senior Administrative Assistant

Happy Valley  
Full-Time - \$72,800.00 - \$93,600.00 Annually  
Category: Administration / Administrative Assistant / Clerical & Data Entry / Records Management / Public Records / Office and Administrative Support  
Department: Administration  
[To Learn More and Apply](#)

## • City of West Linn Utility Worker II or III – Environmental

Full Time Represented - \$4,761.47 - \$6,747.87 Monthly  
Department: Public Works  
Open until filled.

We are currently hiring for a Utility Worker II or III in the Environmental Services Division, depending on qualifications.

The Utility Worker II performs a variety of skilled manual and equipment operation tasks in the construction maintenance and operation of City roads, sewer, or water facilities. Operates heavy equipment on occasion. Participates in unskilled or semi-skilled construction and maintenance work. May be specialized in one field of work such as painting, welding, carpentry, or heavy equipment operation.

The Utility Worker III Environmental Services position performs as a lead worker, supervising the work of a crew in a variety of tasks. Performs journey level skills in the construction, maintenance, and operation of sewer and storm facilities that includes performance of manual labor and exposure to variable weather conditions.

\*Applications will be reviewed weekly with interviews scheduled for qualified applicants only.

[To Learn More and Apply](#)





# Preparing Your Garden for Winter

Putting the garden to bed for the winter is mostly a matter of cleaning up and covering up. As fall progresses and temperatures drop, those plants that aren't killed outright by frost prepare for dormancy.

Clear out the blackened stems and foliage of annual flowers and vegetables to prevent the possibility of their harboring disease pathogens and insect eggs over the winter. The cool weather is a good time to make a cold frame, dig and box in raised beds, and make general repairs.

While it appears as if all activity in the garden has stopped, there's a lot going on under the soil until it freezes. Newly transplanted trees and shrubs, perennials, and hardy bulbs are all growing roots, drawing on soil nutrients and moisture around them. Earthworms and various microbes in the soil are still processing the organic material they're finding.

Most likely, the organic mulch you spread to feed and protect the soil during the summer months has substantially decomposed. It's so important to spread new mulch now. A thick layer of mulch will continue to feed the soil and protect plants and the soil over the winter months. The idea is not so much to keep the soil warm as it is to keep the temperature even.

Work in the garden now will give extra nutritional and water conservation benefits to your lawn and garden next spring and summer.

Visit the [Outdoor Water Conservation](#) page on our website for more water conservation



## Sign-up for Public Alerts



By signing up you can receive emergency notifications for your home or other address (such as business). You will only be contacted when the associated address is affected by an emergency.

If the call is picked up by an answering machine, it will leave a message and not call back. If the number is busy or there is no answer, the system will try contacting your other contact methods. Once you have acknowledged receipt of a message on one device, the system will stop trying to contact your other devices.

#ClackCo  
PublicAlerts

By providing your contact information as a county resident you can opt-in to receive critical emergency messaging via email, phone call and text during times of disaster. Important messages that could be relayed include notices to evacuate, shelter-in-place, shelter locations and other extremely important information. To learn more and sign-up [CLICK HERE](#).

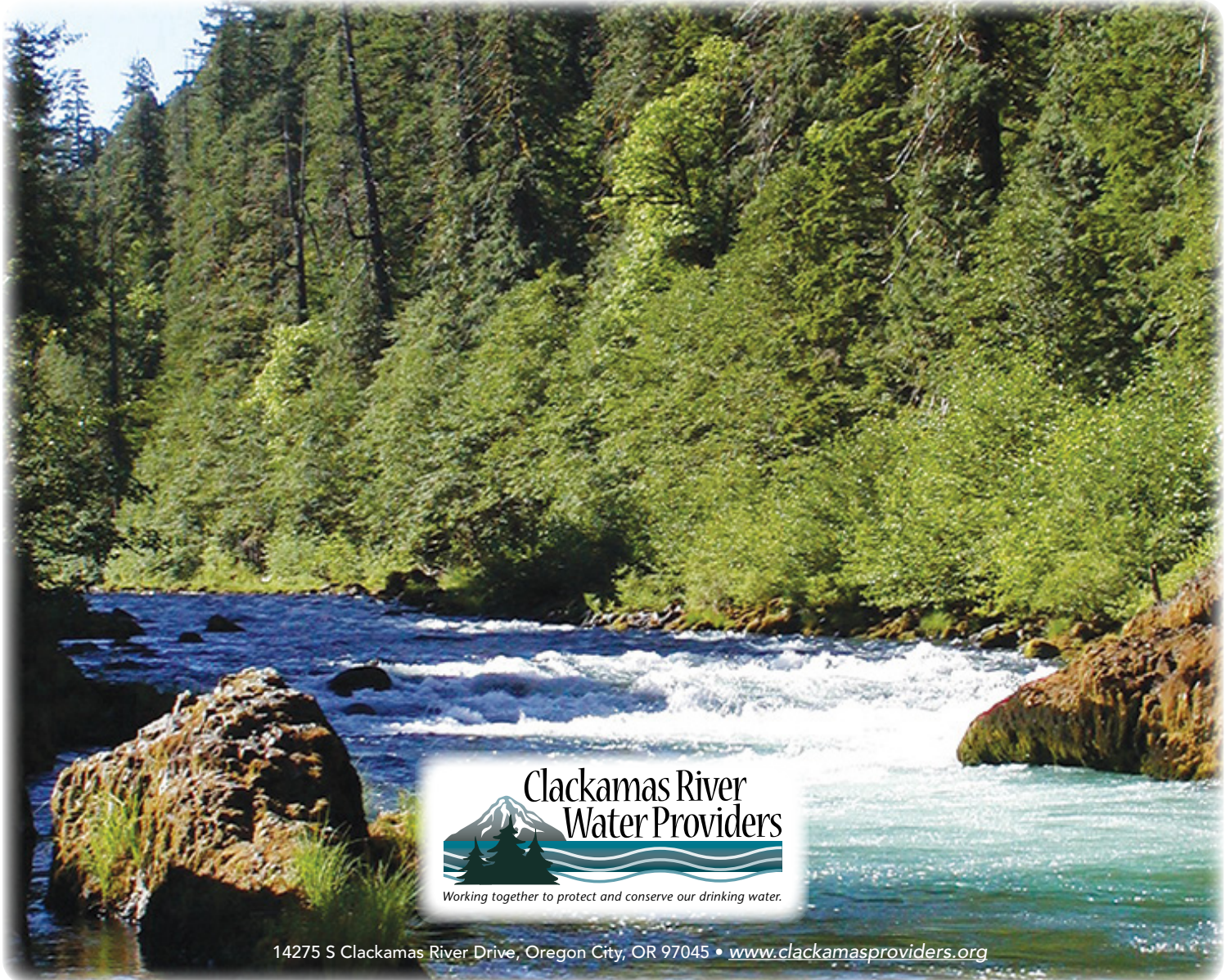
## Fall Quiz:

### Answers

Question 1 - Answer is D  
Question 2 - Answer is A

Question 3 - Answer is B  
Question 4 - Answer is B





**Clackamas River  
Water Providers**

*Working together to protect and conserve our drinking water.*

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