



OREGON  
**HEALTH**  
AUTHORITY

December 4, 2025

# Drinking Water Source Protection Fund

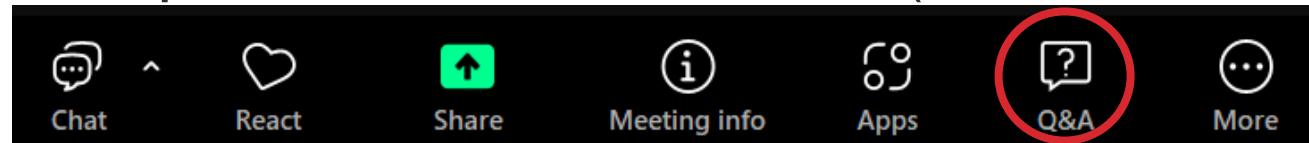
Tom Pattee, RG

Alyssa Leidel, Shersten Finley

# Agenda

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- Presentation - 30 min
- Q&A - 25 min Please submit questions in the Q&A box (button at the bottom of your screen)
- Slides will be posted to the [Drinking Water Source Protection](#) website
- Meeting will not be recorded
- Use the chat window for technical difficulty questions



# Topics

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- Drinking Water Source Protection and Drinking Water Services Programs
- Source Water Protection Overview
- Drinking Water Source Protection Fund
  - Introduction
  - Application Process
- Source Water Assessments
- Previously Funded Projects
- Program Contacts
- Drinking Water Source Protection Award

# Drinking water source protection program

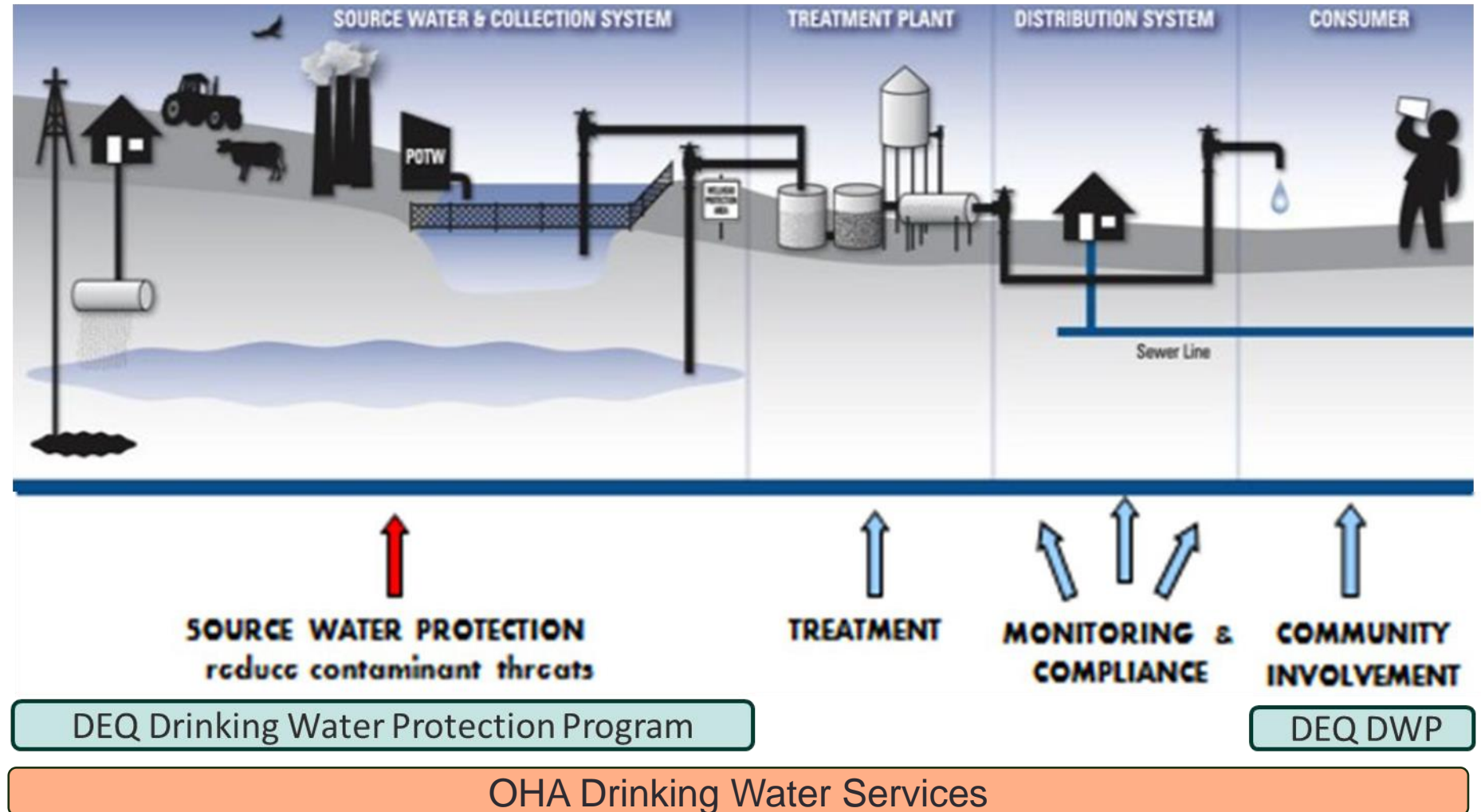
An interagency  
program between



Public Health  
Division/Drinking  
Water Program



Water Quality  
Division/ Drinking  
Water Protection  
Program



# Drinking water services

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Protect drinking water from the source...



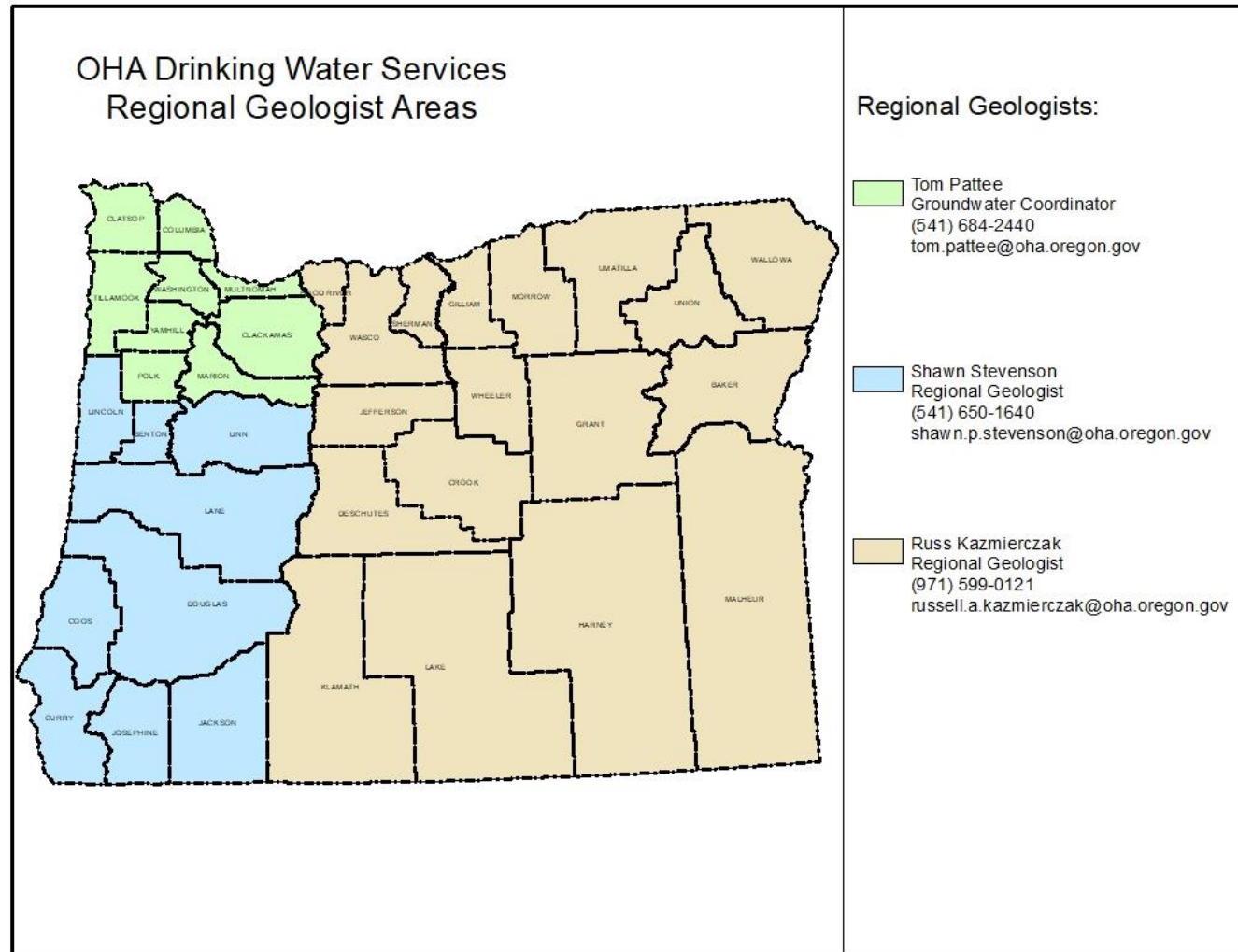
# Drinking water services

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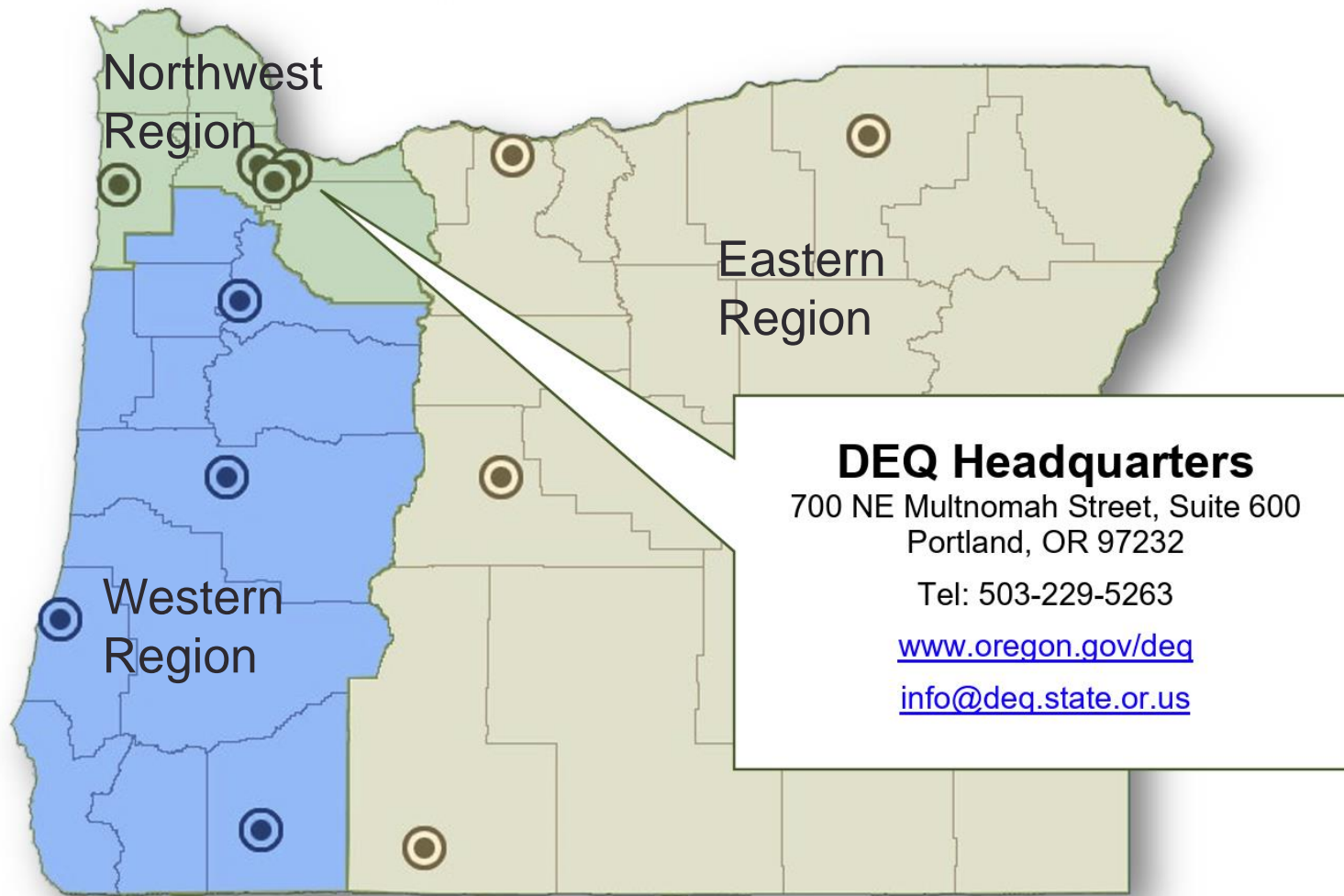
...to the tap!



# OHA Drinking Water Services Regional Geologists



# DEQ drinking water source protection team



Northwest Region:  
Shersten Finley  
[Shersten.finley@deq.Oregon.gov](mailto:Shersten.finley@deq.Oregon.gov)

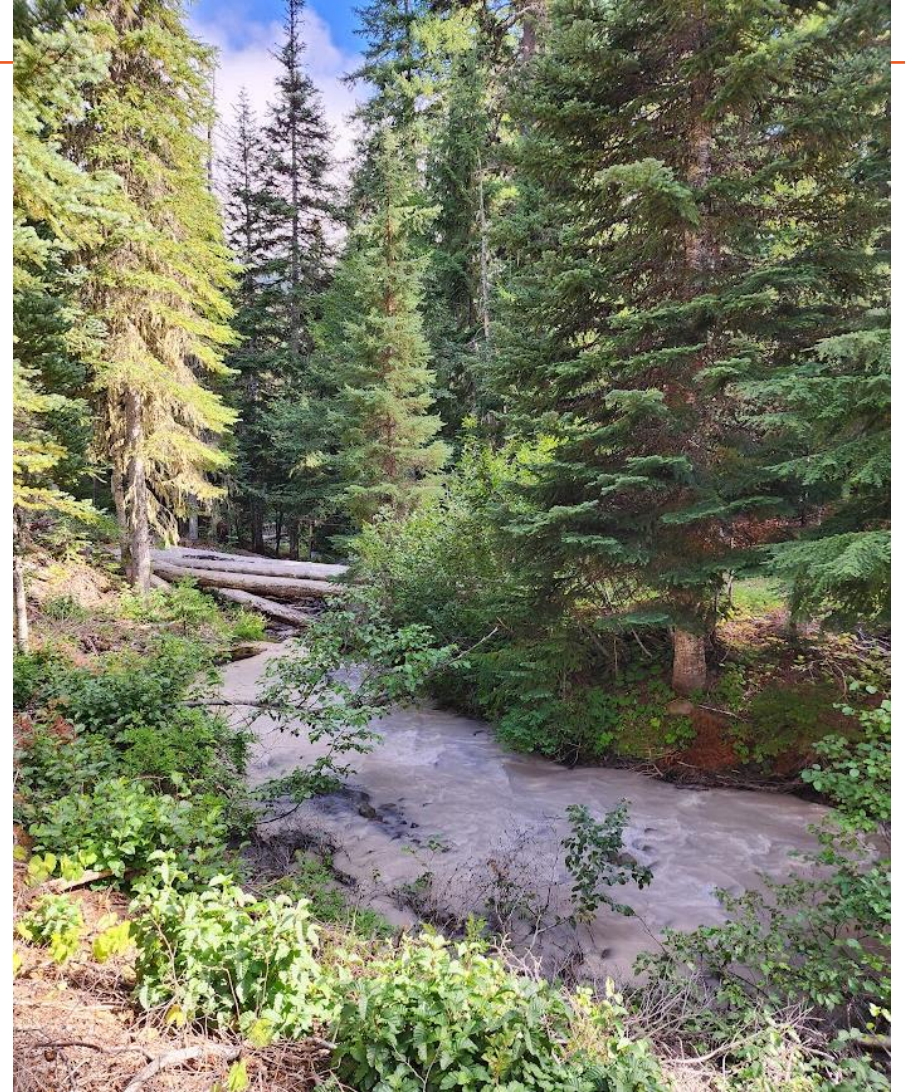
Western Region:  
Laura Johnson  
[Laura.j.johnson@deq.Oregon.gov](mailto:Laura.j.johnson@deq.Oregon.gov)

Eastern Region:  
Alyssa Leidel  
[Alyssa.leidel@deq.Oregon.gov](mailto:Alyssa.leidel@deq.Oregon.gov)

# What is source water?

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- Any type of surface water or groundwater feature from which we extract water for drinking water use
- Includes rivers, streams, lakes, springs, and groundwater aquifers up to but not including the constructed intake structure (surface water intake, well, spring box).



# Source water does not include

- Gray infrastructure like pipes, dams, treatment plants, water meters, backflow prevention devices, well houses, etc...



# Source water areas and potential contaminant sources

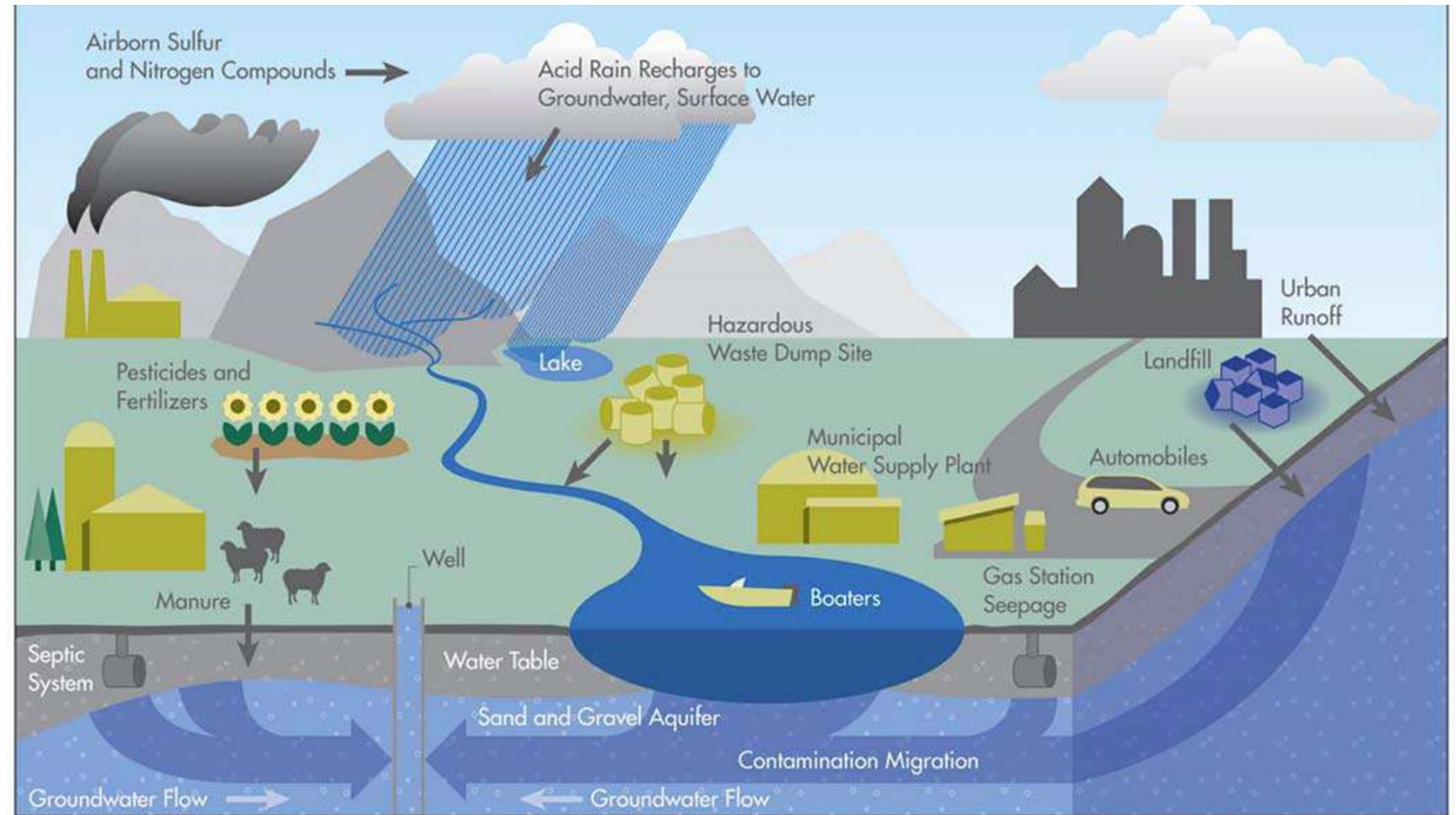
## Source Water Areas

**Surface Water:** The geographic area providing water to a water system.

**Groundwater:** Area at the surface that overlies the critical portion of the aquifer that's supplying groundwater to the water system's well(s) and/or spring(s).

## Potential Contaminant Sources

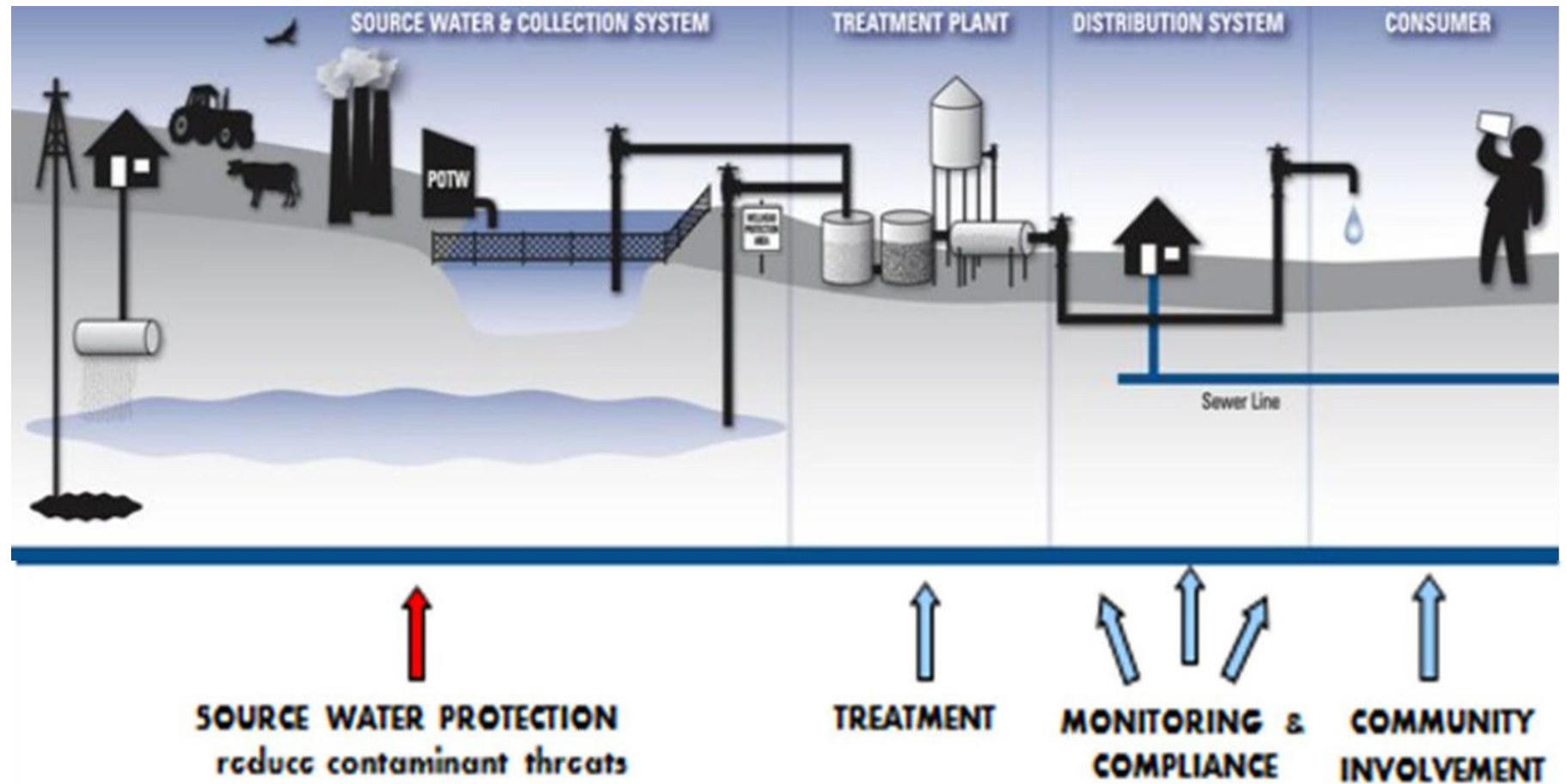
Activities or contaminants that have the potential to impact drinking water quality. Can be point or nonpoint and due to human influence or natural conditions.



# Why protect source water?

Protecting source water from contamination helps to do the following:

- Reduce the risk of waterborne diseases and chemical contamination.
- Lower treatment costs and defer need for complex treatment.
- Ensure reliability.
- Build public trust.



# Drinking water source protection fund

- Annual funding for source water protection activities
- Grants of up to \$70,000 per water system and low interest loans of up to \$100,000
- Land acquisition (conservation) planning grants of up to \$70,000
- Regional Source Water Collaborative Pilot Project Grants up to \$150,000 per project
- Emergency grants available year-round for emergency source water threats

Rivergrove outreach materials



Monroe stormwater treatment project



Little Butte Creek floodplain terrace planting

# Drinking water source protection fund

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Accepting applications ~ **mid-January through mid-March, 2026** (See OHA Drinking Water Services webpage for exact dates).

## Public Water System Eligibility:

- Community water systems, non-federal, public and privately owned
- Nonprofit non-community water systems

Water systems can collaborate on a regional (joint) project and combine funds

Application assistance available through [DWS Circuit Rider Program](#) and [EPA WaterTA](#)

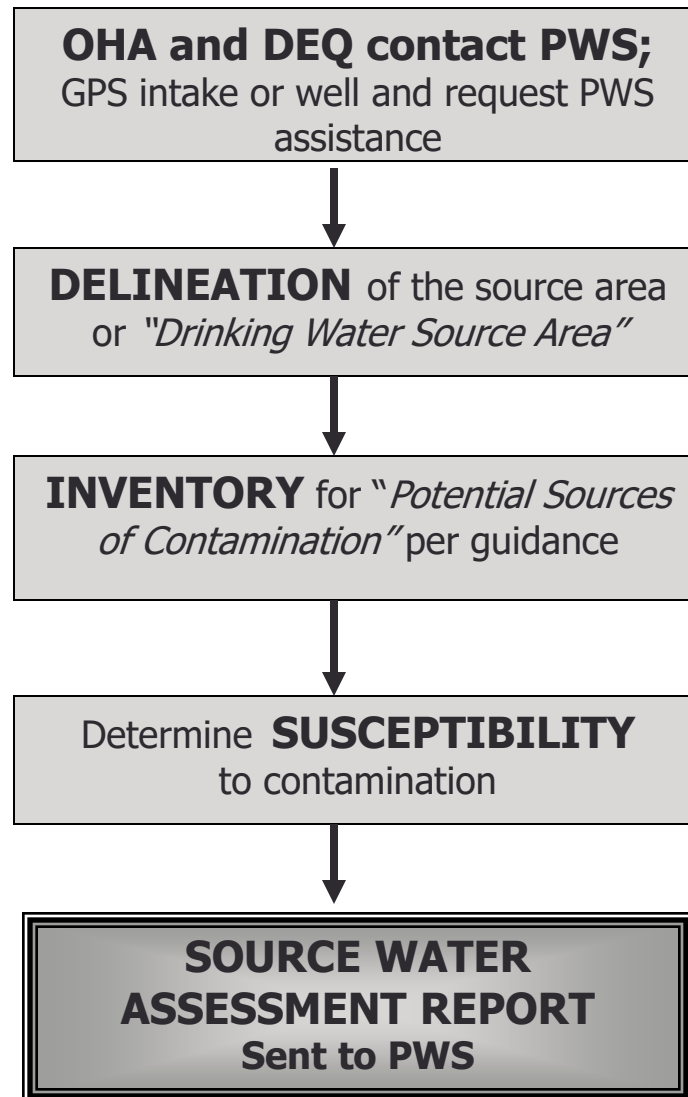


# Drinking water source protection fund

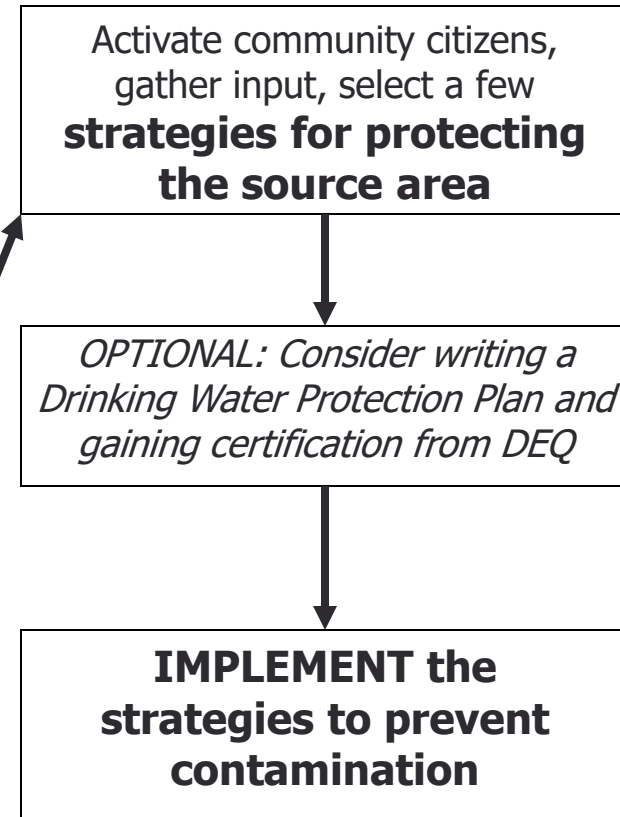
- Project types
  - Enhanced delineation (update/upgrade the source area using better data)
  - Enhanced assessment (update/improve potential contaminant source inventory)
  - Water quality evaluations (raw water monitoring to evaluate/prioritize potential protection activities)
  - Source protection planning (identify appropriate protection measures/plans)
  - Implementation of best management practices (reduce/lessen risks within the source area)
  - Security (protection of "sensitive areas" within the source area)
  - Regional source water collaborative projects (to assess how water systems with overlapping source areas can work together on any of the above)
  - Land acquisition planning (studies to assess legal/financial feasibility and/or required management plans prior to land acquisition within the source area)

# Drinking Water Protection Process for Public Water Systems

Source Water **ASSESSMENT** phase (1998 – 2005)



Drinking Water **PROTECTION** phase



# Source water assessment reports

- Completed for Community & Non-Transient Non-Community
- Details on land use and ownership
- Maps of nearby water systems and drinking water source areas
- Potential contaminant sources, locations, and risk levels
- Susceptibility analysis
- Strategies and resources to help reduce risks
- Updated reports include common strategies to reduce risk, resources, and funding info
- To find a Source Water Assessment for surface water systems, visit the [Department of Environmental Quality's Source Water Assessment Database](#). For groundwater systems, contact [Paula Rich](mailto:paula.j.rich@oha.Oregon.gov), [paula.j.rich@oha.Oregon.gov](mailto:paula.j.rich@oha.Oregon.gov), Oregon Health Authority Drinking Water Services.



# Know what is inside your source area

- Review Source Water Assessment
  - Identify High- and Moderate-Risk Potential Contaminant Sources (PCSs).
  - Review potential management options for each high/moderate risk PCS.
  - Consider how much effort, time, and financial resources will be needed for each potential management option.
  - Focus grant projects on those activities where financial resources are needed to evaluate/implement risk reduction strategies.

BMPs Ease of Implementation	BMPs for High Risk PCSs	BMPs for Mod Risk PCSs	BMPs for Low Risk PCSs
Easy to do (low cost)	High Risk PCS BMP Easy to do		
Mod difficult to do			
Difficult to do (high cost)			Low Risk PCS BMP Hard to do

# Eligible project examples

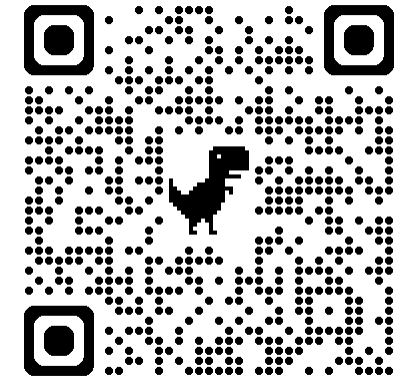
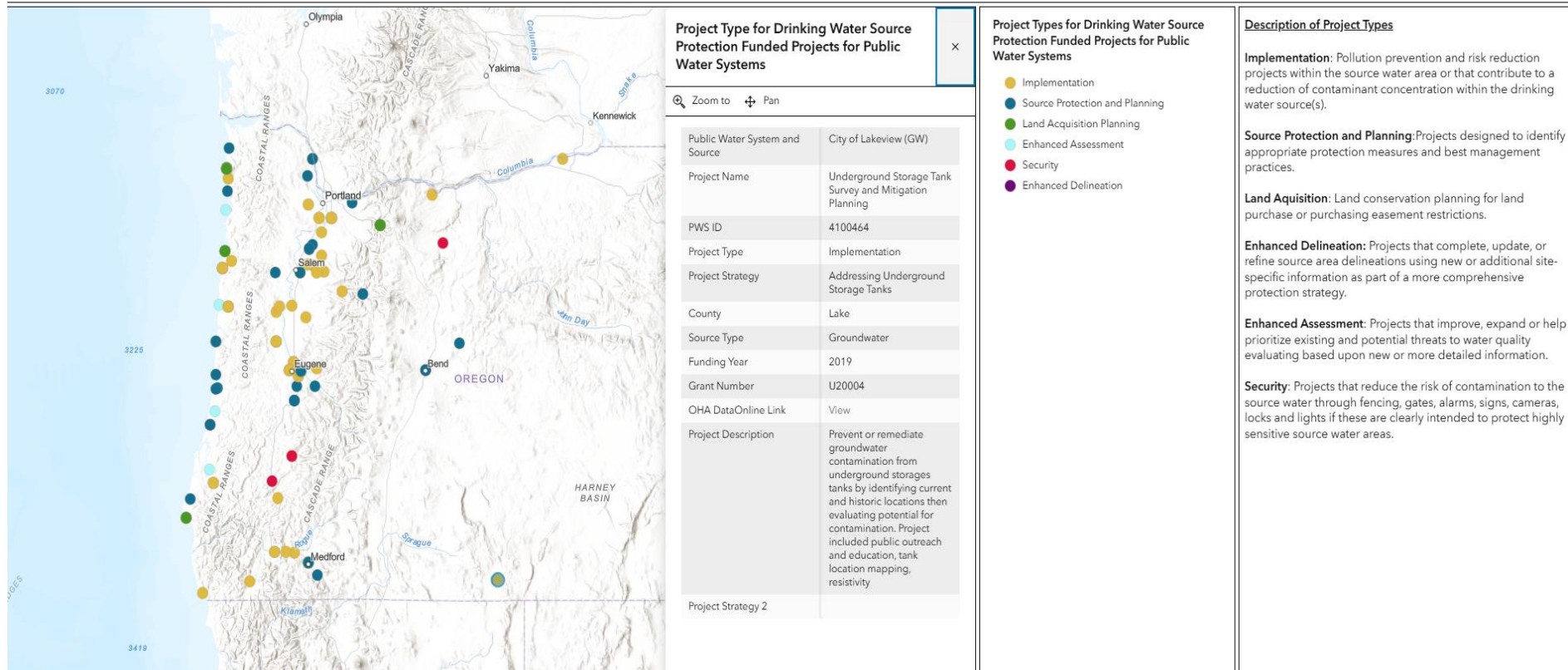
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- Household hazardous waste collection events
- Drug take-back projects
- Reforestation/replanting in riparian or other sensitive areas
- Installation of protection signage in or along the boundaries of the source area
- Removal of heating oil tanks
- Installation of secondary containment for high-risk above ground storage tanks outside the 100 ft sanitary setback
- Storm water treatment/diversion...

# Previously funded projects

- [Interactive Drinking Water Source Protection Funded Projects Map](#) for examples of previously funded projects

OHA/DEQ Drinking Water Source Protection Funded Projects 2008-2023

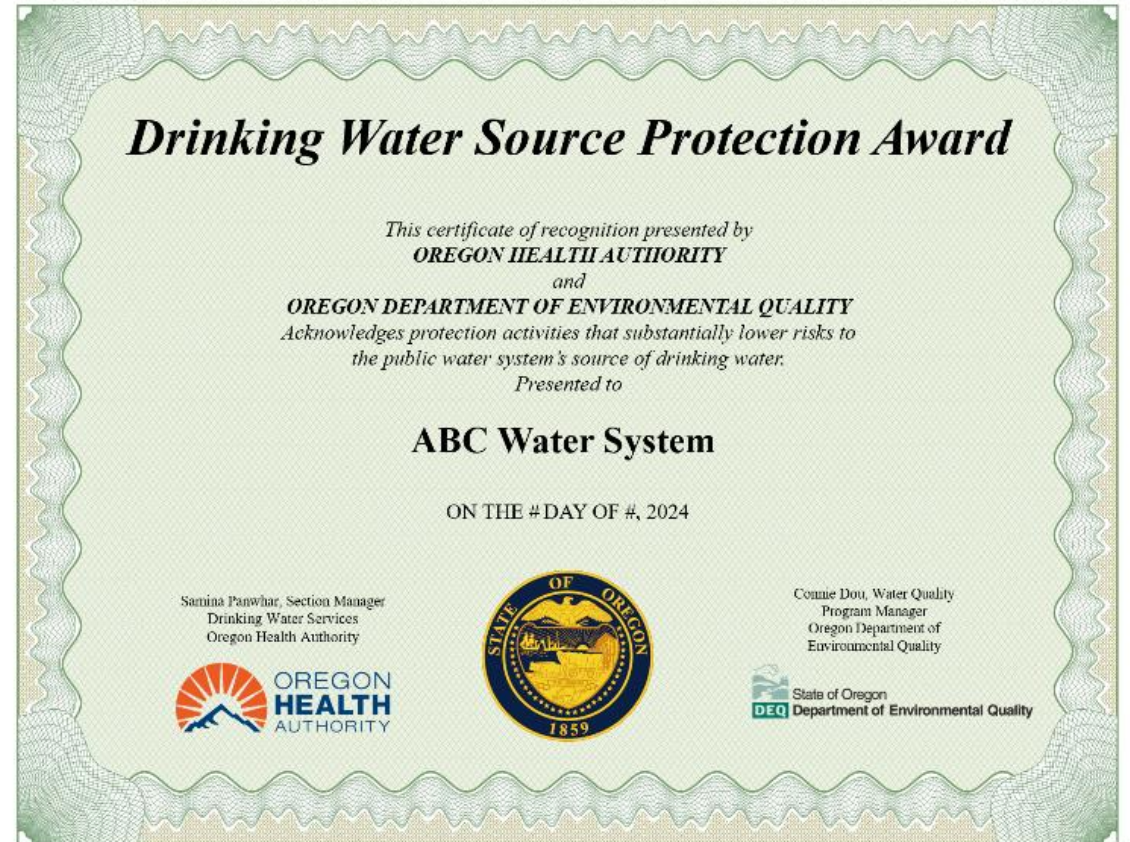


Interactive Map



# Drinking water source protection award

- Certificates of recognition for public water systems that reduce risks to their sources of drinking water
- Award certificates can promote consumer trust, positive customer relations, and public support in protecting drinking water sources.



# Drinking water source protection award

- To apply for a Drinking Water Source Protection Award, fill out the [Source Protection Activities Survey](#) for your water system.

Oregon Public Health  
Drinking Water Data Online

Introduction :: Data Search Options :: Water System Search :: DWS Home :: DWS Rules :: Quick Data Links

OR41 00061 KNAPPA WATER ASSOCIATION Classification: COMMUNITY

Contact: JAMES (CHRIS) JACKSON  
92755 ALLEN RD  
ASTORIA, OR 97103

Phone: 503-458-6461  
County: CLATSOP  
Activity Status: Active -- History  
Number of Connections: 605  
Regulating Agency: REGION 1  
Owner Type: PRIVATE  
Licensed By: N/A  
Last Survey Date: Jul 22, 2025

Population: 1,800  
Operating Period: January 1 to December 31  
Certified Operator(s)  
Required: Y  
Distribution class: 2  
Treatment class: None  
Filtration Endorsement Required: No

[View on Map](#)

[Source Water Protection Status](#)

Facility ID	Facility Name - Well Logs	Activity Status	Availability	Source Type
EP-A	EP FOR WELLS	A		GW
SRC-AA	WELL 85-1 - CLAT247	A	Permanent	GW
SRC-AB	WELL 85-3 - CLAT243	A	Permanent	GW
SRC-AC	WELL 90-1 - CLAT41	A	Permanent	GW
SRC-AD	WELL 85-4 - CLAT244	A	Permanent	GW
SRC-AE	WELL 97-1 - L12925	A	Permanent	GW
SRC-AF	WELL 06-1 - L82401	A	Permanent	GW
SRC-AG	WELL 06-2 - L81125	I	Emergency	GW
EP-B	EP FOR GUN CLUB WELL #4	A		GW
SRC-BA	GUN CLUB WELL #4 - CLAT256	A	Seasonal	GW

[Find Purchasers/Sellers](#)

Oregon Public Health  
Drinking Water Data Online

Introduction :: Data Search Options :: Water System Search :: DWS Home :: DWS Rules :: Quick Data Links

PWS ID: 00061 ---- KNAPPA WATER ASSOCIATION OR41

### Drinking Water Source Protection

Drinking water source protection refers to actions that protect raw water sources (such as rivers, streams, lakes, reservoirs, springs, and groundwater) that provide water to public water system wells, springs, and intakes. OHA encourages water systems and their communities to implement best management practices to reduce risks of contamination to their drinking water sources. By addressing potential and current concerns at the source, water systems can reduce the risk of exposing consumers to contaminated water, as well as reduce treatment costs. Implementing source protection might also help avoid or defer the need for complex treatment in the future.

Current Status for KNAPPA WATER ASSOCIATION

- State Approved Drinking Water Source Protection Plan: No
- Source Water Assessment: Yes
- Source is Substantially Protected: Yes
- Drinking Water Source Protection Award: No

Expand the sections below to learn more about each of these items.

Drinking Water Source Protection Plans

Source Water Assessments

Drinking Water Source Protection Implementation

Drinking Water Source Protection Award



Search for your water system  
Name or number:

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You can get this document in other languages, large print, braille or a format you prefer free of charge. Contact Tom Pattee at [tom.pattee@oha.oregon.gov](mailto:tom.pattee@oha.oregon.gov) or (541) 684-2440 (voice). We accept all relay calls.

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Drinking Water Services  
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Portland, OR 97232-2161  
(971) 673-0405  
[www.oregon.gov/oha](http://www.oregon.gov/oha)





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# Question and Answer

