



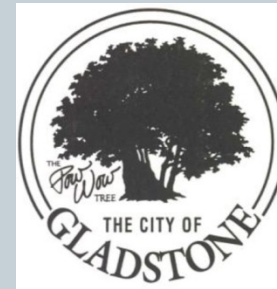
Know Your Septic Systems Check it, Fix it, Maintain it

Purpose of Workshop



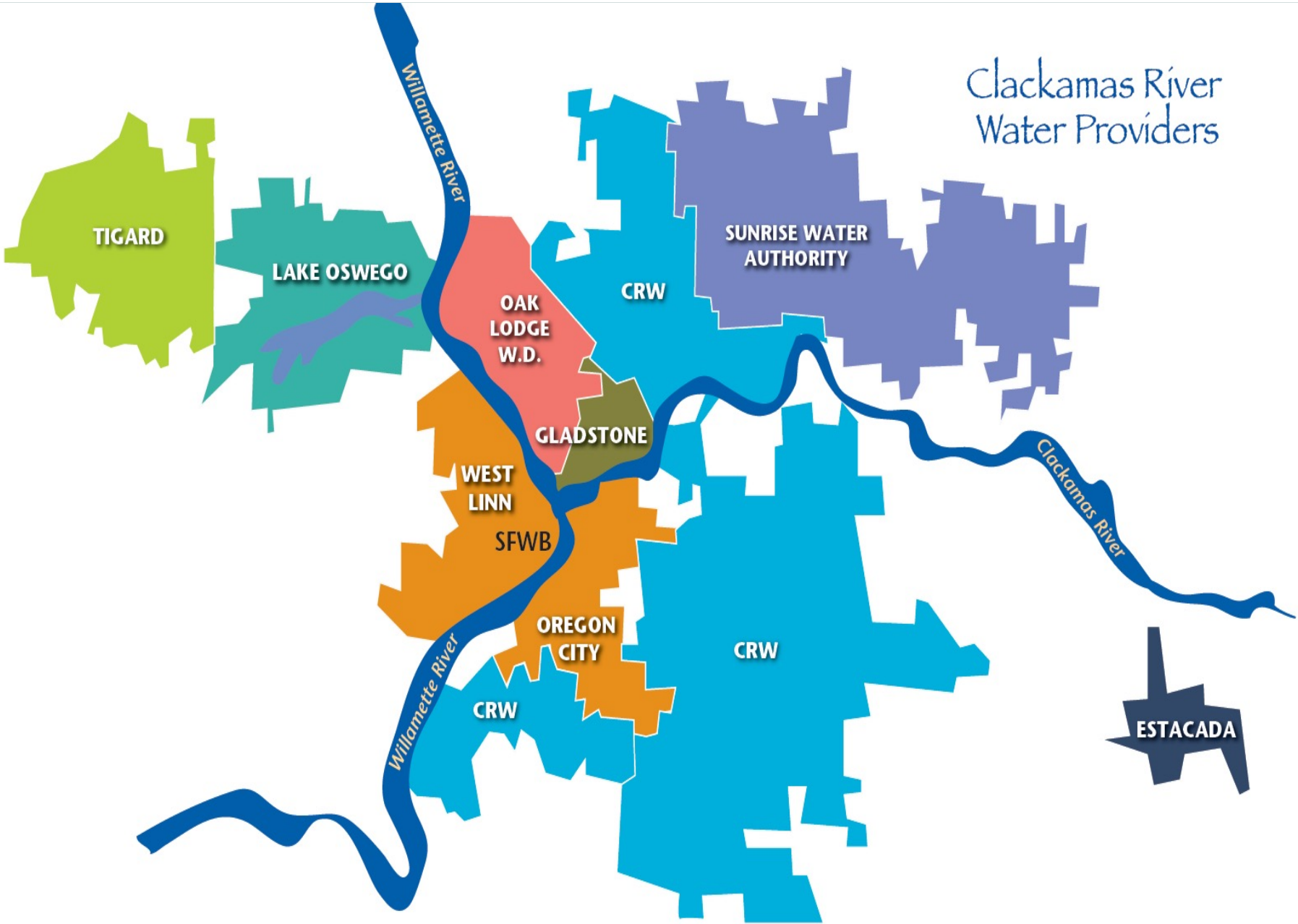
- Overview of what septic systems are and how they work
- How to properly operate and maintain septic systems
- How to identify signs of failure
- Relevant codes, permits for septic systems
- Where to find technical and funding assistance

Clackamas River Water Provider Members



City of Oregon City and West Linn

Clackamas River Water Providers



Clackamas River Watershed

Clackamas River Watershed

Providing clean drinking water to over 300,000 people.

The Importance of Properly Functioning Septic Systems



- What we are trying to protect:
 - * surface water - drinking water for over 300,000 people (public health)
 - * groundwater - wells (public health)
 - * environmental health

Septic System Potential Threats

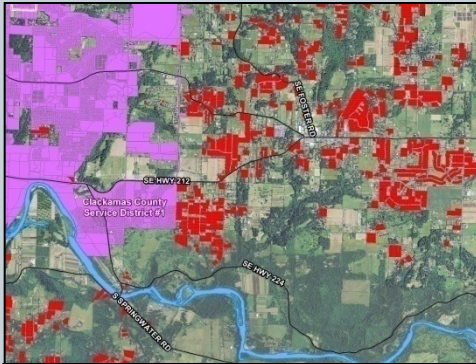


- 10 – 25% of septic systems fail at some point
- Direct runoff of partially treated waste or infiltration of contaminated groundwater
- Contaminants of concern: pathogens, nitrates, organic matter, ammonia, nitrogen, phosphates, synthetic organics, metals, PCP's, and pharmaceuticals



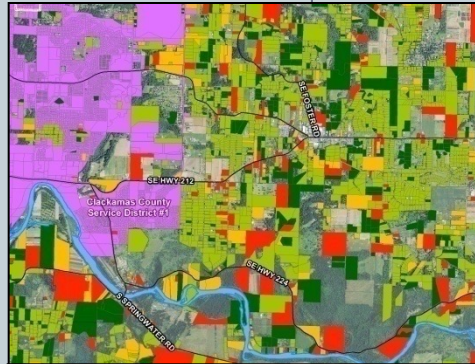
CRWP Septic System Risk Analysis Overview

Septic System Analysis



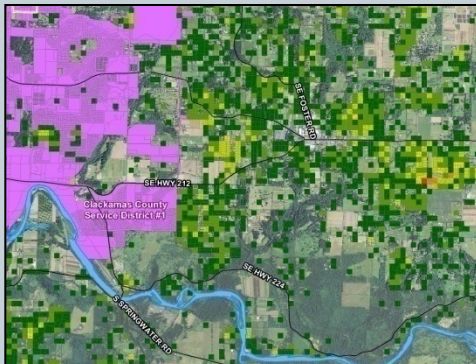
**Risk Factor #1:
Septic System Clustering**

+



**Risk Factor #2:
Potential Septic System Age**

+



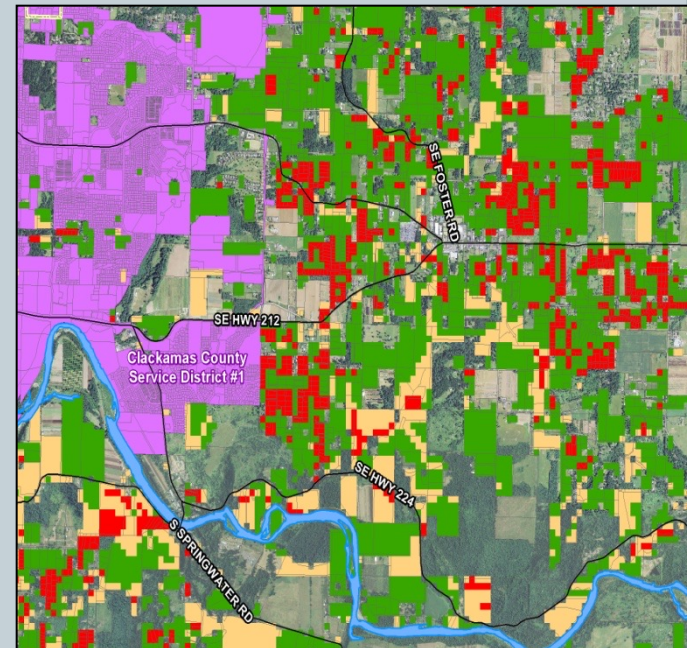
**Risk Factor #3:
Number of Septic Systems per
Two Acres**

+



**Risk Factor #4:
Proximity to Surface Water
Intakes**

=



CUMULATIVE SEPTIC SYSTEM RISK

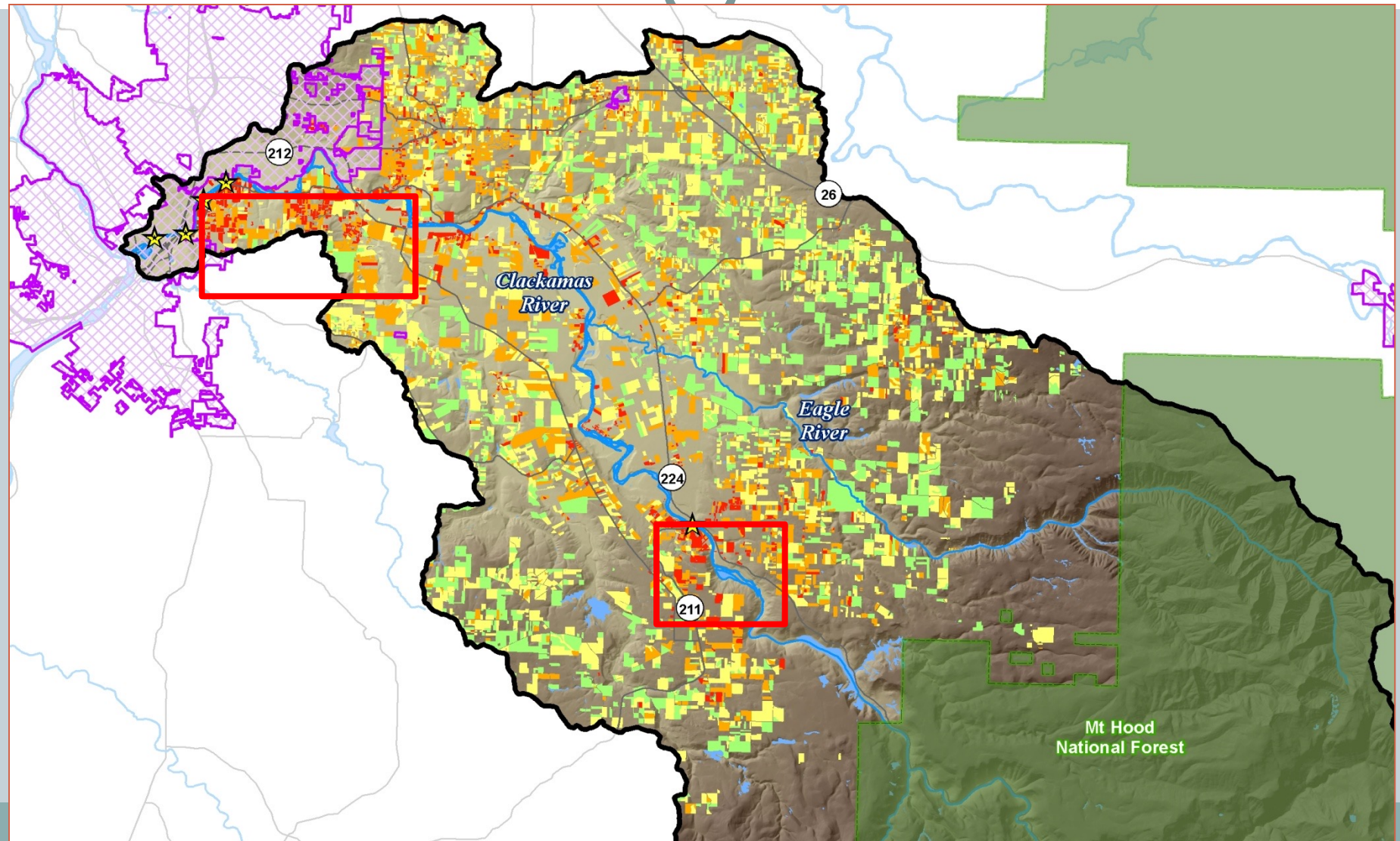
Septic System Risk Analysis Results



○ **Septic System Failure Risk**

- ✦ Approximately 9,000 potential septic system parcels identified in the Clackamas River watershed
 - 4500 ranked very low or low
 - 3500 ranked moderate
 - 1000 ranked as high risk
- ✦ 6,250 of the 9,000 are in high-density clusters
- ✦ Approximately 76% estimated to be aged 30 or older

Septic System Risk Analysis Results



How We Are Addressing the Problem

- Workshops like this
- Drug Take Back Boxes
- Educational materials



Dispose of medications properly

Drop-Off Locations & Hours

(Excludes Holidays unless otherwise noted.)

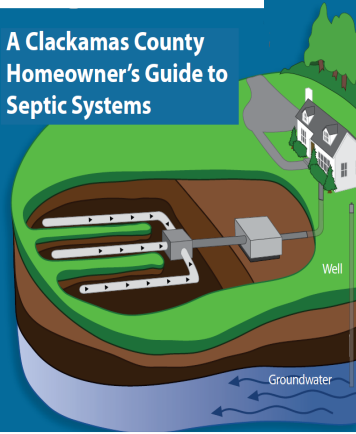
- **Canby Police Department**
1175 NW 3rd Ave, Canby, OR 97013
Box Available 24/7
- **Gladstone Police Department**
535 Portland Ave., Gladstone, OR 97027
Mon-Fri 8:00-5:00pm
- **Milwaukie Police Department**
3200 SE Harrison, Milwaukie, OR 97222
Mon-Fri 8:00-5:00pm
- **Clackamas County Sheriff Main Office**
9101 SE Sunnybrook Blvd, Clackamas, OR 97015
Mon-Fri 7:00-6:00pm
Weekends/Holidays 7:00-5:00pm
- **Molalla Police Department**
117 N Molalla Ave., Molalla, OR 97038
Mon-Fri 8:30-1:30pm & 2:00-6:00pm
- **Oregon City Police Department**
320 Warner Milne Road, Oregon City, OR 97045
Mon-Fri 8:00-5:00pm
- **Sandy Police Department**
39850 Pleasant Street, Sandy, OR 97055
Mon-Fri 8:00-1:00pm & 2:00-6:00pm
- **West Linn Police Department**
22825 Willamette Drive, West Linn, OR 97068
Mon-Fri 8:00-5:00pm
- **Wilsonville Police Department**
30000 SW Town Center Lp E, Wilsonville, OR 97070


Educational materials






<https://www.clackamasproviders.org/septic-system-assistance-program/>

Do your Part —
Be SepticSmart!


A Clackamas County
Homeowner's Guide to
Septic Systems









Based on:  EPA septicSMART
US Environmental Protection Agency

Sponsored by:  Clackamas River Water Providers
 Clackamas County Soil and Water Conservation District
 DEQ
 Oregon Department of Environmental Quality
 Pesticide Safety

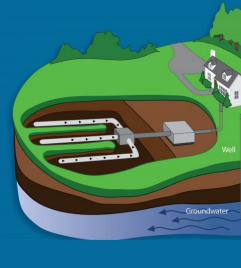
**5 Things You Should
Ask Before Buying
a Home With
a Septic System**









Your partners in clean water:

 Clackamas River Water Providers
 Clackamas County Soil and Water Conservation District
 DEQ
 State of Oregon Department of Environmental Quality
 WATER ENVIRONMENT SERVICES
 Good dirt. Clean water.

**SEPTIC SYSTEM
MAINTENANCE**
*A Clackamas County guide
to the proper care and
maintenance of your Onsite
Wastewater Treatment
System*



 CLACKAMAS COUNTY
 Clackamas River Water Providers
 CLACKAMAS COUNTY SOIL AND WATER CONSERVATION DISTRICT
 DEQ
 State of Oregon Department of Environmental Quality
 CANBY UTILITY


**Financial Assistance
For Septic System
Owners**
in the Clackamas River Watershed






*A properly functioning
septic system can save you
money and help protect our
water quality.*



 Clackamas River Water Providers
Working together to protect and conserve our drinking water

**Residential
Septic System
Repair and
Replacement Loan
Program**



 CLACKAMAS SOIL AND WATER CONSERVATION DISTRICT
Good dirt. Clean water.
 DEQ
 State of Oregon Department of Environmental Quality

Our partners for clean water:

 Clackamas River Water Providers
 CLACKAMAS COUNTY



Septic System Funding Assistance

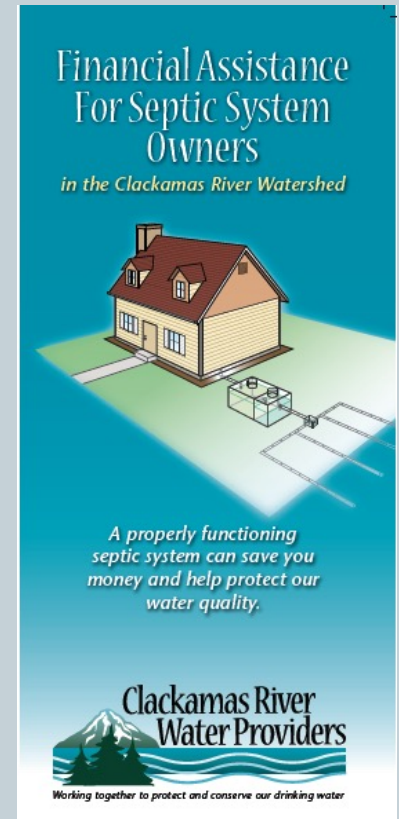
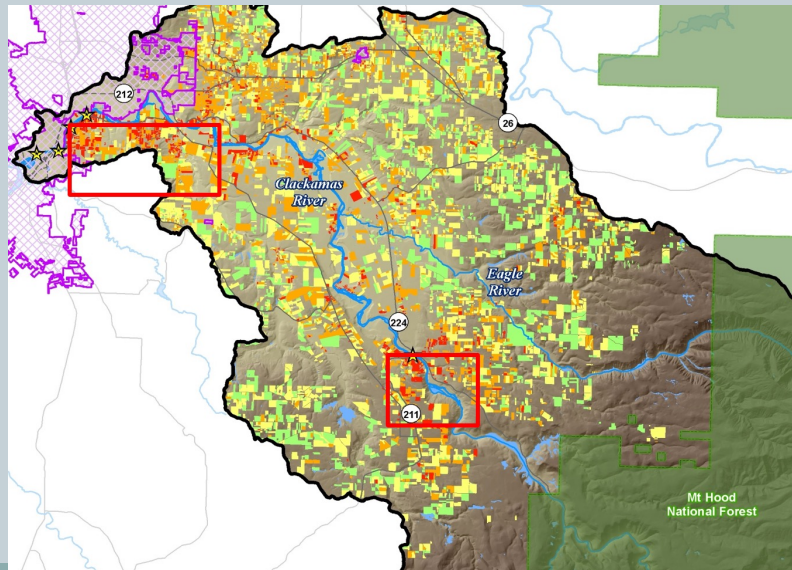


- CRWP Rebate/Cost Share Program
- Craft3 Clean Water Loans
- CSWDC loan program

CRWP Financial Assistance



- \$200 Rebate for Septic System Inspections
- Septic System Repair Cost Share – reimburse 50% of costs up to \$1,000



Eligibility Requirements



Department of Environmental Quality / Residential / Oregon Septic Smart

Oregon Septic Smart

| |
|---|
| Residential Resources |
| Electronic Recycling |
| Residential Composting |
| Wood Stoves |
| Calculate Your Carbon Footprint |
| Indoor Air Referrals |
| Residential Waste Prevention And Reuse |
| Landfill Ban In Oregon |
| Onsite Wastewater Management (Septic Systems) |
| Onsite Wastewater Management Program |
| About Septic Systems |
| Forms And Guidelines |
| Rules And Regulations For Onsite Wastewater Treatment Systems |
| Septic System Loans For Homeowners And Small Businesses |
| ► Oregon Septic Smart |
| Approved Tanks And Distribution Units |
| Approved Onsite Wastewater Treatment Products |
| Approved Alternative Treatment Technology Products |
| Installer And Maintenance Provider Certification |

What is Septic Smart?

The Oregon DEQ is joining efforts with industry professionals and private citizens to help educate Oregonians about the importance of septic systems, septic system inspections and proper septic system maintenance.

The Oregon Septic Smart Initiative has two main goals:

1. Provide Oregonians with easy access to important information about their septic systems
2. Provide Oregonians with easy access to certified industry professionals that perform septic system inspections (Existing System Evaluations)



Information for SepticSmart Professionals

Buying or selling a home with a septic system

The Oregon Department of Environmental Quality recommends having your septic system evaluated by a professional if you're buying or selling a home.

What you need to know?

Septic system evaluations are voluntary. However, if you do have an evaluation, you must use the [approved form](#).

Who can provide this service?

DEQ requires evaluators to be one of the following: An installer, maintenance provider, wastewater specialist, environmental health specialist and National Association of Wastewater Technicians (NAWT) certified inspector with experience inspecting existing septic systems.

A great place to start is our list of professionals who have signed up to be [Oregon SepticSmart Inspectors](#). Remember to check references.

- Printable brochure: [Septic Smart for Homeowners](#)
- Printable brochure: [Septic Smart for Home Buyers](#)
- U.S. Environmental Protection Agency [Septic Information](#)

Frequently Asked Questions about [existing system evaluation report form and inspections](#).

<https://www.oregon.gov/deq/Residential/Pages/Septic-Smart.aspx>

Craft3 Clean Water Loans

<https://www.craft3.org/Borrow/clean-water-loans>



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RESULTS

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APPLY

Clean Water Loans

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CRAFT3 LOAN DETAILS

LOAN FEATURES & BENEFITS

Covers the full cost of designing, permitting and installing your septic system.

Competitive interest rates.

No upfront costs.

Works for many property types and incomes.

Deferred payment options may be available for homeowners with lower incomes.

LOANS TO REPLACE FAILING SEPTIC SYSTEMS

For more than ten years, Craft3 has been financing replacement of failing septic systems for families in the Northwest with our unique Clean Water Loan.

It's not a traditional loan, just like we're not a traditional financial institution. It's a loan built from the ground up to work for your unique situation. In some cases, you can even finance connection to a nearby municipal sewer system.

The Clean Water Loan is currently offered throughout Oregon and in many Washington counties. Over



CSWCD Low Interest Loan Program

<https://conservationdistrict.org/programs/septic-system-repair-loans>





Clackamas
Soil and Water Conservation District

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Residential Septic System Repair Loan Program

Beginning August 18, 2017, Clackamas Soil and Water Conservation District offers Residential Septic System Repair Loans to homeowners in the Clackamas River watershed for the repair or replacement of failed and failing septic systems. Locations include identified areas of Oregon City, Gladstone, Happy Valley, Damascus, Boring, Carver, Barton, Sandy, Eagle Creek, Estacada, and rural home sites along the Clackamas River and tributaries.

Why a loan program?

Old septic systems that are wearing out or leaking become a public health and water quality concern, especially when the home is along a river or stream that serves as a source of public drinking water such as the Clackamas River. If the problem is bad enough, the family may have to vacate the home until the septic system is repaired or replaced.

Clackamas Soil and Water Conservation District, [Clackamas County Septic and Onsite Wastewater Systems](#) office, and [Clackamas River Water Providers](#) are partnering on this issue. The Conservation District coordinates the Loan program.

We're excited to get this loan program started. It's a great opportunity to protect water quality in the Clackamas River Watershed and address public health concerns. We're fortunate to be in a position to assist homeowners with the cost of repairs that they



Clackamas SWCD
627 likes

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Events

| | |
|------------------|---|
| MAY 15 Tue | 4:00 pm Board Meeting: Public Hearings a... |
| MAY 17 Thu | 6:00 pm FREE Septic System Workshop |
| JUN 1 Fri | 8:00 am FREE Agricultural Pesticide Coll... |

Q & A

