



Portland Garlic Mustard Partners – Where are we at in 2023?

Pull Together 2023

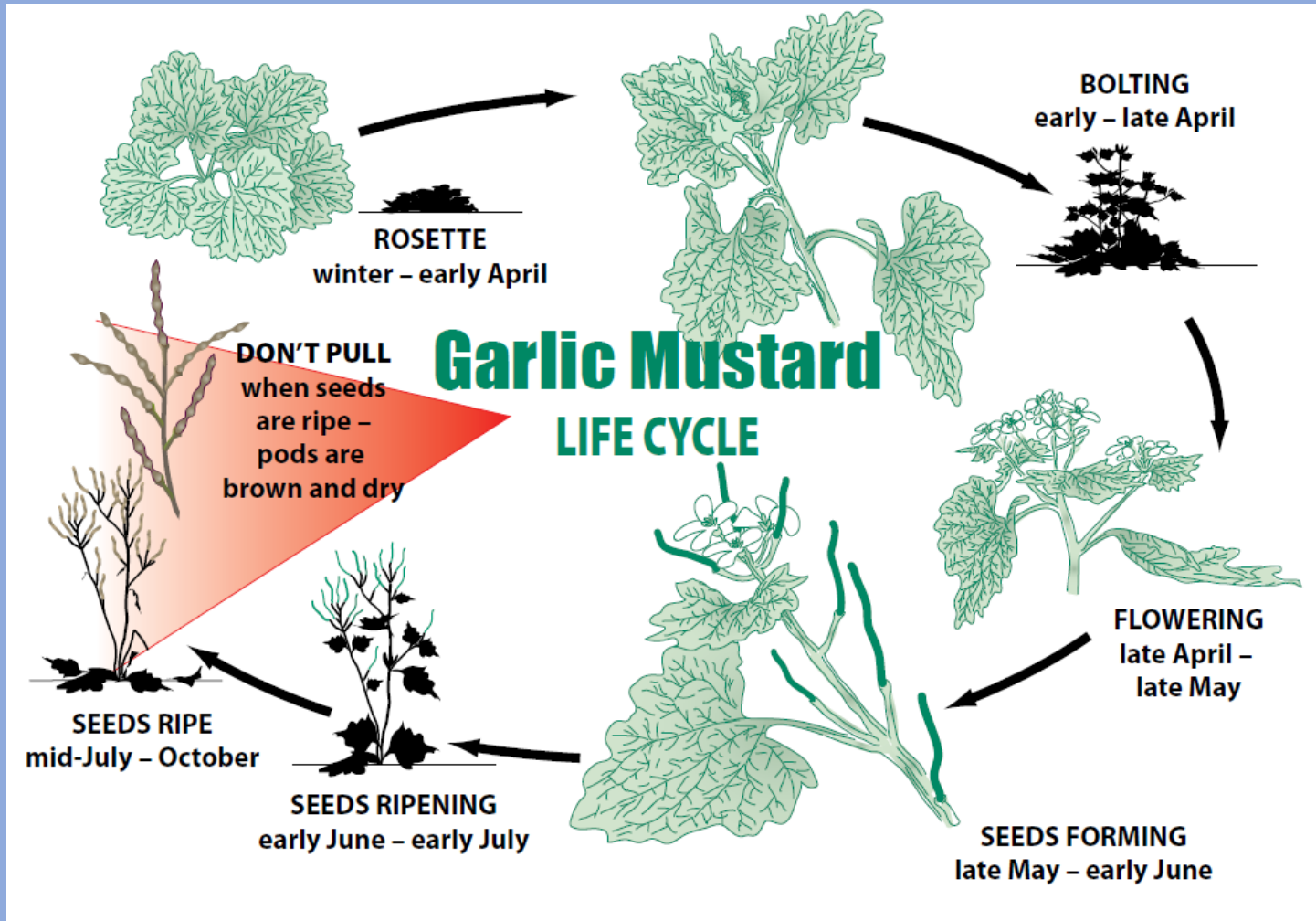


Michelle Delepine



West Multnomah Soil & Water Conservation District
Invasive Species Program Coordinator

Garlic Mustard: *Alliaria petiolata*



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Stephan Kuznetsov



Glenn Miller, ODA



Michelle Delepine, WMSWCD

MULTIPLE GROWTH FORMS PRESENT SIMULTANEOUSLY

Garlic Mustard threatens most habitat types in Western Oregon



OAK SAVANNA & UPLAND FOREST



OPEN MEADOWS & EDGE HABITATS



RIPARIAN WOODLANDS & STREAMSIDES

Reduce forest health and productivity



- Decrease biodiversity
- Rapidly consume resources (light, water, space)
- Crowd out growth of new plants
- Decrease quality of understory habitat
- Help other invasive creatures spread

2007



Glenn Miller, ODA

Garlic Mustard: *Alliaria petiolata*



**What
now?**



OREGON STATE WEED BOARD GRANT

ODA Noxious Weed Grant Online Grant Application Guidance



This document provides guidance for completing the Oregon Watershed Enhancement Board - ODA Noxious Weed Grant online application.

Grantees apply online: <https://apps.wrd.state.or.us/apps/oweb/oa/>

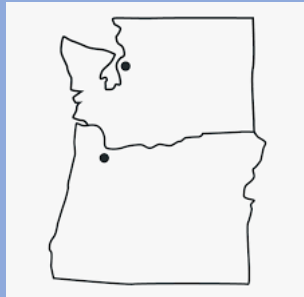
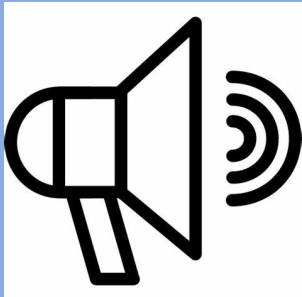


**OREGON
DEPARTMENT OF
AGRICULTURE**



GOALS - Garlic Mustard Control Program

- **Prevent** new infestations to vulnerable areas across state
- **Coordinate** between state/regional/local

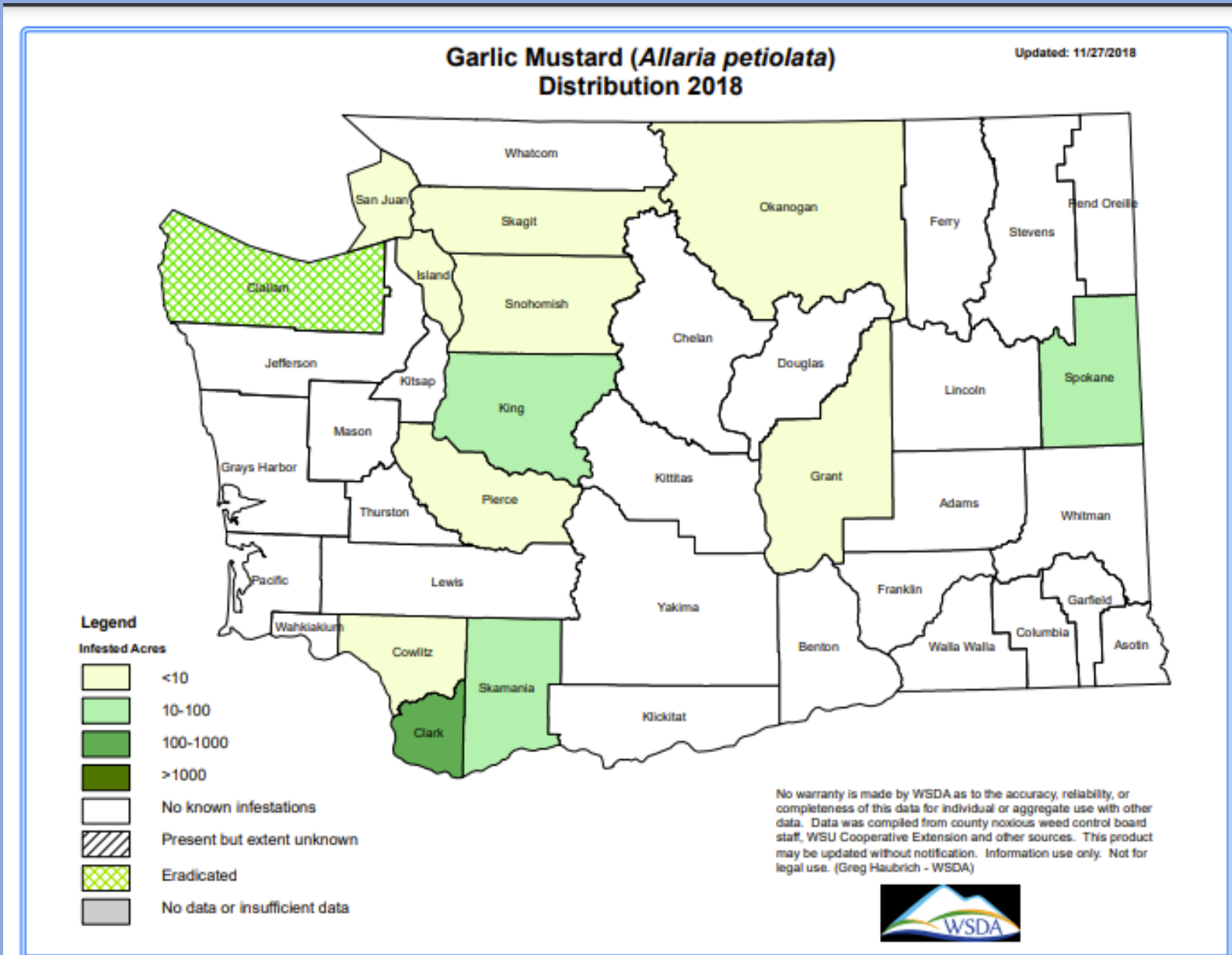


Don't be a Vector!



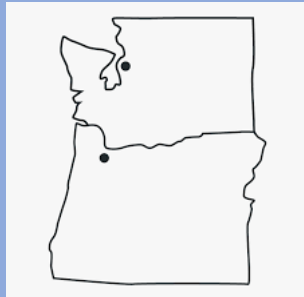
J.K. Linsey

Prevent new infestations to new areas in PNW



GOALS - Garlic Mustard Control Program

- **Prevent** new infestations to vulnerable areas across state
- **Coordinate** between state/regional/local
- **Outreach** to community



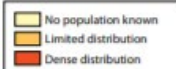
Efforts to Control and Contain Garlic Mustard

GARLIC MUSTARD SPREADS EXCLUSIVELY BY SEED

On its own, garlic mustard seeds are spread primarily by water flowing in stream corridors and off roads. For our part, people and their pets spread seeds in boots, tires, and paws. Clean your shoes, tires, and dogs after traveling in areas of known garlic mustard infestations so you don't spread seed to yards and parks. Stay on trails and keep dogs on leash to prevent accidental contamination.



Garlic mustard distribution in Oregon



Garlic mustard distribution in Portland Metro area

Do you want to know more about garlic mustard in Portland?

Ongoing updates about current phase and recent treatment are available online at www.portlandoregon.gov/bes/garlicmustard

More information about other target invasive plant species is available at www.portlandoregon.gov/bes/edr

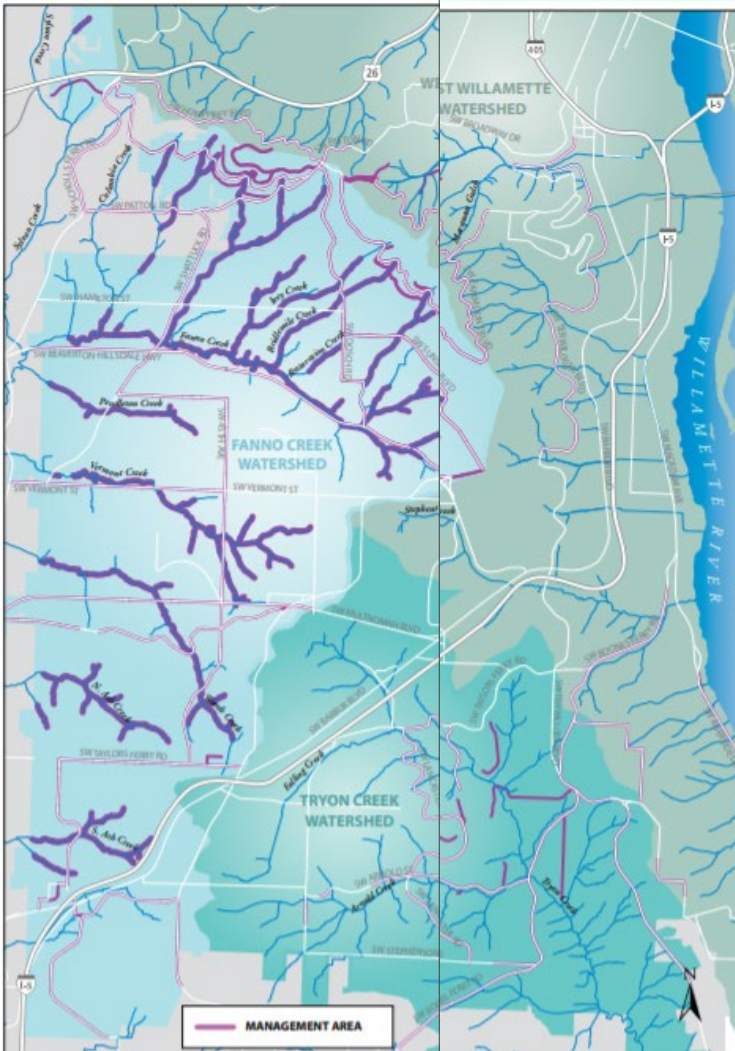


ENVIRONMENTAL SERVICES
CITY OF PORTLAND
working for clean rivers



Stormwater runoff can impact water quality in rivers and streams. Natural resources, like urban streams, forests, and wetlands manage stormwater naturally to protect water quality, public health, and the environment. Green infrastructure reduces flooding and erosion, provides cool, clean water to our rivers and streams, and adds wildlife habitat and urban green space for healthier watersheds.

Garlic Mustard Management Areas



SOURCE: OREGON DEPARTMENT OF AGRICULTURE GARLIC MUSTARD BROCHURE

If you see garlic mustard that looks untreated after May 31st, please report it to Mitch Bixby at 503-823-2989 or mitch.bixby@portlandoregon.gov.

SOUTHWEST PORTLAND VOLUNTEER COORDINATORS:

Westside Watershed Resource Center – Erik Horngren, 503-823-2862, watershed@swni.org
Portland Parks West Side Stewardship Coordinator – Mary Verrilli, 503-823-9423
Willamette River Stewardship Coordinator – David Grandfield, 503-729-0318

West Willamette Watershed

Current Program and Partners

The City of Portland, West Multnomah Soil & Water Conservation District, and local and volunteer organizations work together to control invasive weeds through the West Willamette Restoration Partnership (WWRP). WWRP's focus is the southwest hills from OHSU to River View Natural Area. WWRP members are working to control garlic mustard on trails, in road rights-of-way and in stream corridors as noted on the map.

From April through June, expect to see licensed contractors controlling garlic mustard using treatment methods consistent with the City of Portland Integrated Pest Management Strategy. They will hand-pull garlic mustard and apply herbicide.

Get Involved

You can get involved in restoration efforts in your watershed. Contact one of the organizations below to learn more.

Friends of Marquam Nature Park
www.fmnp.org, fmnp@comcast.net

Friends of River View Natural Area
John Miller,
friendsofriverviewnaturalarea@gmail.com

Friends of Terwilliger
terwilligerfriends.org, info@terwilligerfriends.org

West Willamette Restoration Partnership
www.westwillamette.org
wrrpcoordinator@gmail.com

South Portland Riverbank Partners
David Grandfield, 503-729-0318

Fanno Creek Watershed

Current Program and Partners

As in previous years, Environmental Services will survey for and treat garlic mustard on roadsides and along the banks of Upper Fanno Creek and its tributaries. Environmental Services staff contacts property owners along target creeks for permission to look for garlic mustard on their property and treat it, if necessary. The City will also mail reminders of upcoming treatment to property owners with current agreements.

If you own streamside property in the mapped area and you have not yet signed up to have your property inspected or treated, please call Mitch Bixby at Environmental Services, 503-823-2989.

Get Involved

You can get involved in restoration efforts in your watershed. Contact one of the organizations below to learn more.

Dickinson Park Stewards
www.swni.org/crestwood/DickinsonPark

Friends of April Hill Park
Jill Gaddis, aprilhillpark@swni.org

Friends of Fanno Creek
Andrea Wall, fannofriends@comcast.net

Friends of Woods Park
Jesse Johnston, jesse@teamjohnson.net

PCC Habitat Team at Sylvania Natural Area Park
April Ann Fong, afong@pcc.edu

Tryon Creek Watershed

Current Program and Partners

Garlic mustard efforts in the Tryon Creek watershed again focus on roadside infestations in the neighborhoods around Tryon Creek State Natural Area, Maricara Park and Marshall Park. Volunteers with the Friends of Tryon Creek State Park and Portland Parks & Recreation staff will remove garlic mustard in Marshall Park and Foley Balmer Natural Area.

Get Involved

You can get involved in restoration efforts in your watershed. Contact one of the organizations below to learn more.

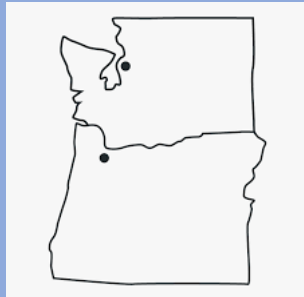
Friends of Tryon Creek State Park
Amy Stout, Amy@tryonfriends.org or 503-636-4398

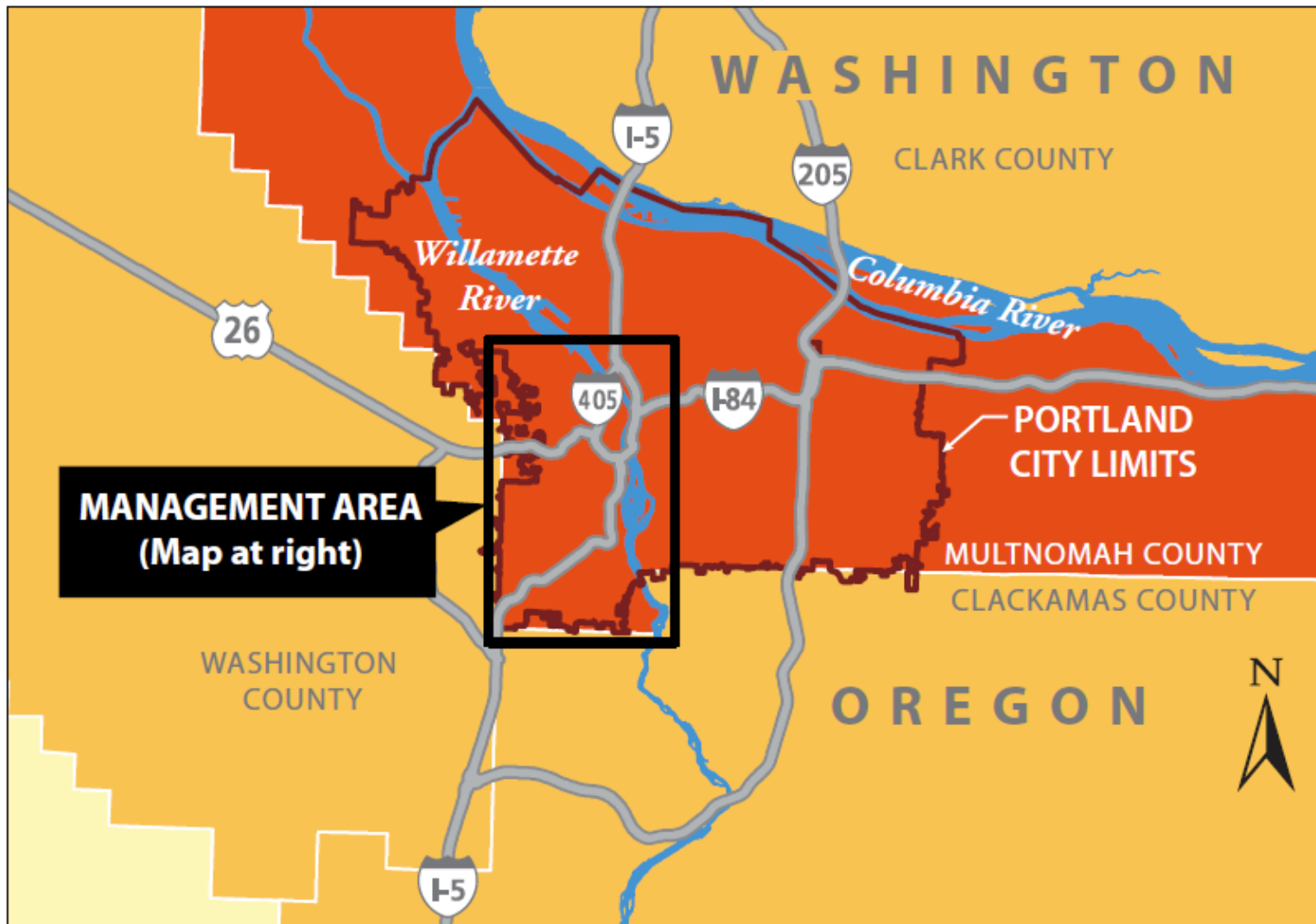
Tryon Creek Watershed Council
Alexis Barton, alexis@tryoncreek.org

Friends of Marshall and Maricara Parks
John DeLance, friendson2p@gmail.com

GOALS - Garlic Mustard Control Program

- **Prevent** new infestations to vulnerable areas across state
- **Coordinate** between state/regional/local
- **Outreach** to community
- **Survey** & Track Progress
- **Control** effectively and efficiently
- **Evaluate** methods and strategy

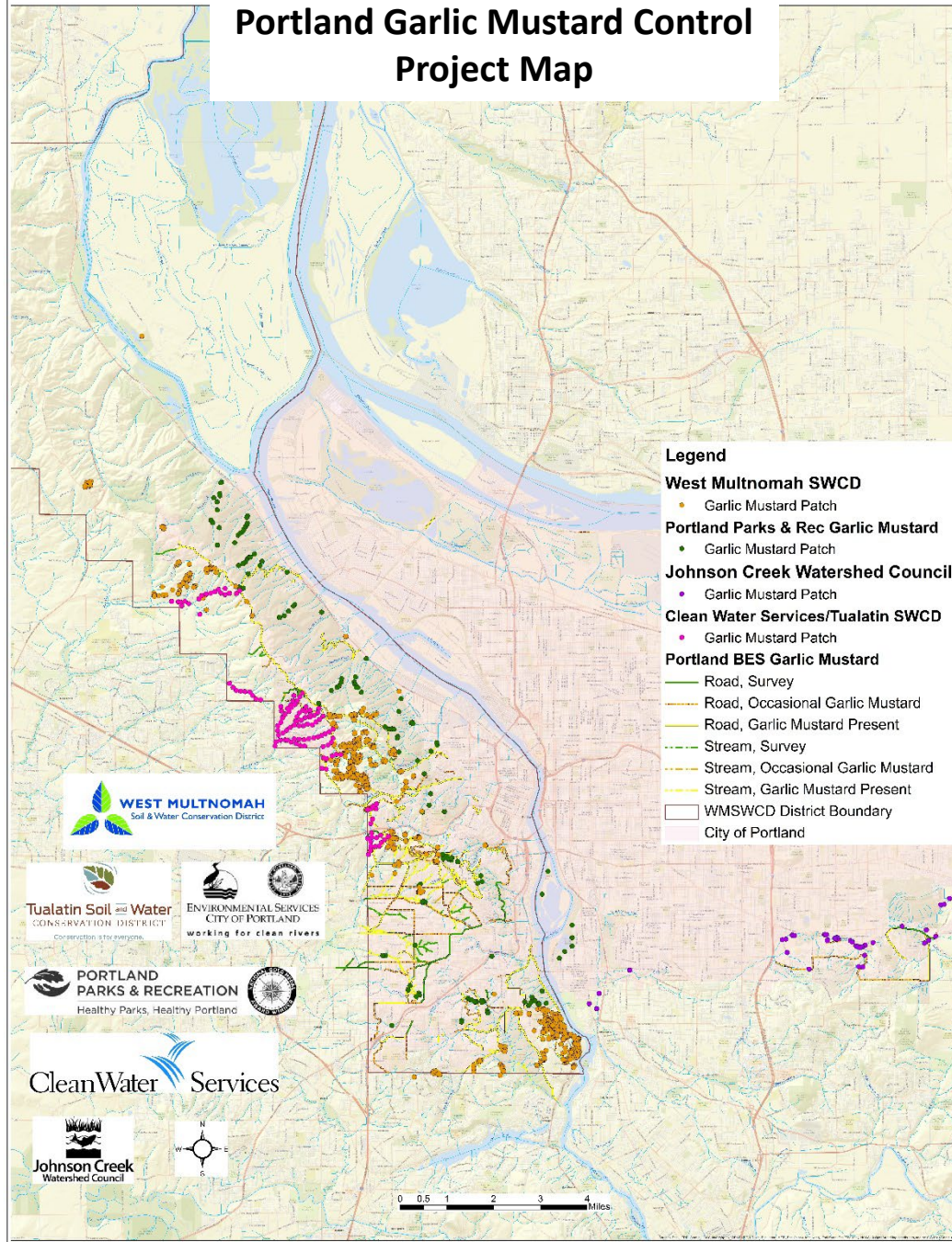




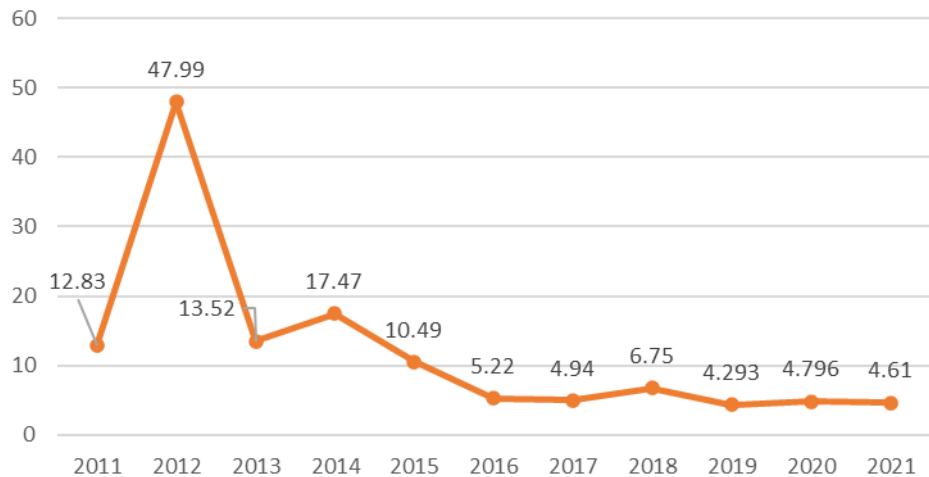
SOURCE: OREGON DEPARTMENT OF AGRICULTURE GARLIC MUSTARD BROCHURE

Garlic mustard distribution in Portland Metro area

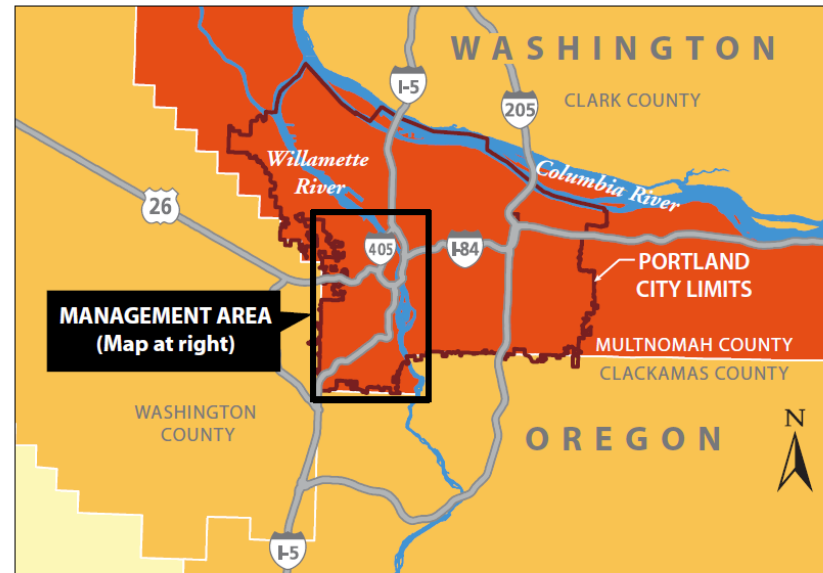
Portland Garlic Mustard Control Project Map



Net Acres of Garlic Mustard (2011-2021)



~3000 Acres surveyed annually



SOURCE: OREGON DEPARTMENT OF AGRICULTURE GARLIC MUSTARD BROCHURE

Garlic mustard distribution in Portland Metro area

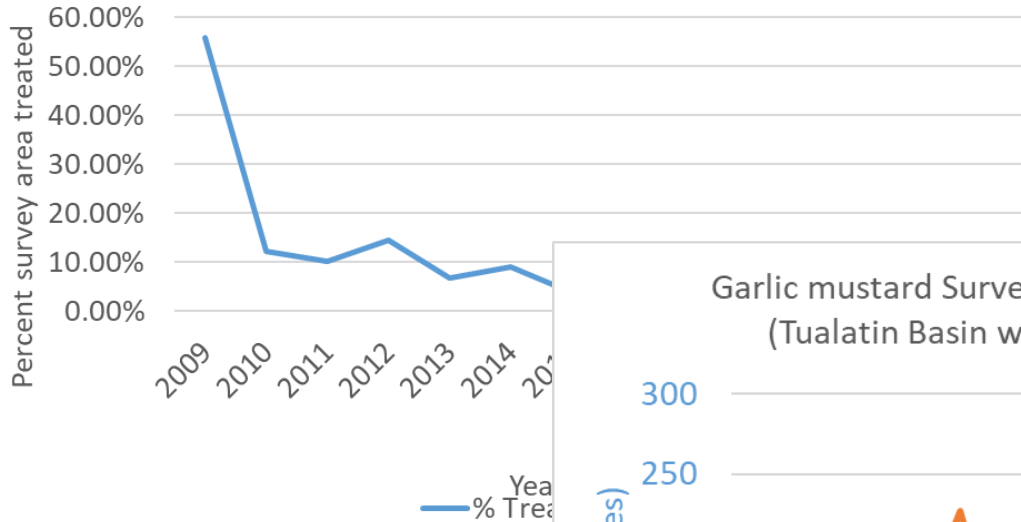
Project Area

-Forest Park, Skyline, Balch Creek, NW/SW Portland, Forest Heights, Tualatin Basin (Mult County portion), Columbia Creek, Fanno Creek, Riverview Area, Tryon Creek, Johnson Creek

2019: Ross Island & Oaks Bottom

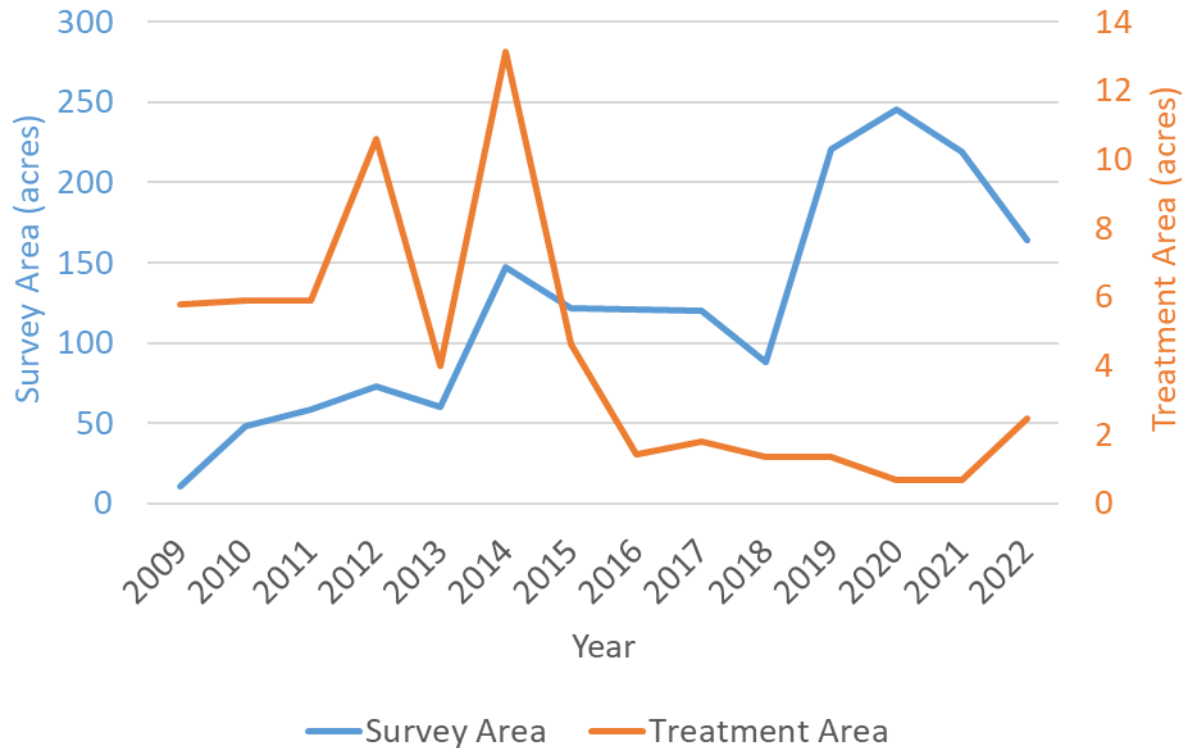
2022: City of Gresham

Percent of garlic mustard survey area treated from 2009 to 2022
(Tualatin Basin watersheds within Multnomah County)



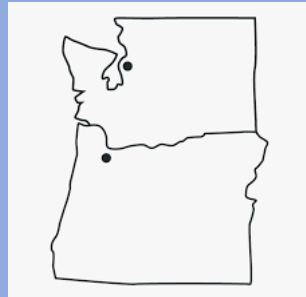
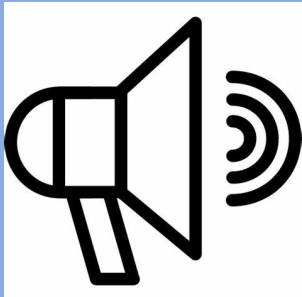
Graph Credits: *Tyler Pedersen, Tualatin SWCD*

Garlic mustard Survey and Treatment Area from 2009 to 2022
(Tualatin Basin watersheds within Multnomah County)



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- **Adapt** and improve – Adaptative Management in Action!
- **Restore** resiliency for the long-haul



IVEY CREEK (Fanno) – 5/15/12 Year 1



IVEY CREEK (Fanno) – 5/22/20 Year 9

Willamette Trib – 5/10/12 Year 1



Willamette Trib – 5/1/19 Year 8

Photo by Ari DeMarco

Tryon Creek (Northgate) – 4/22/14 Year 2



Tryon Creek (Northgate) – 5/4/18 Year 6

Photo by Ari DeMarco





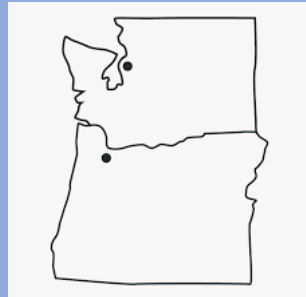
Tryon Creek trib – 6/5/14 Year 1



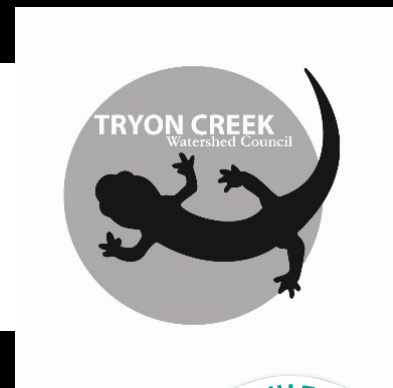
Tryon Creek trib – 4/18/19 Year 5

GOALS - Garlic Mustard Control Program

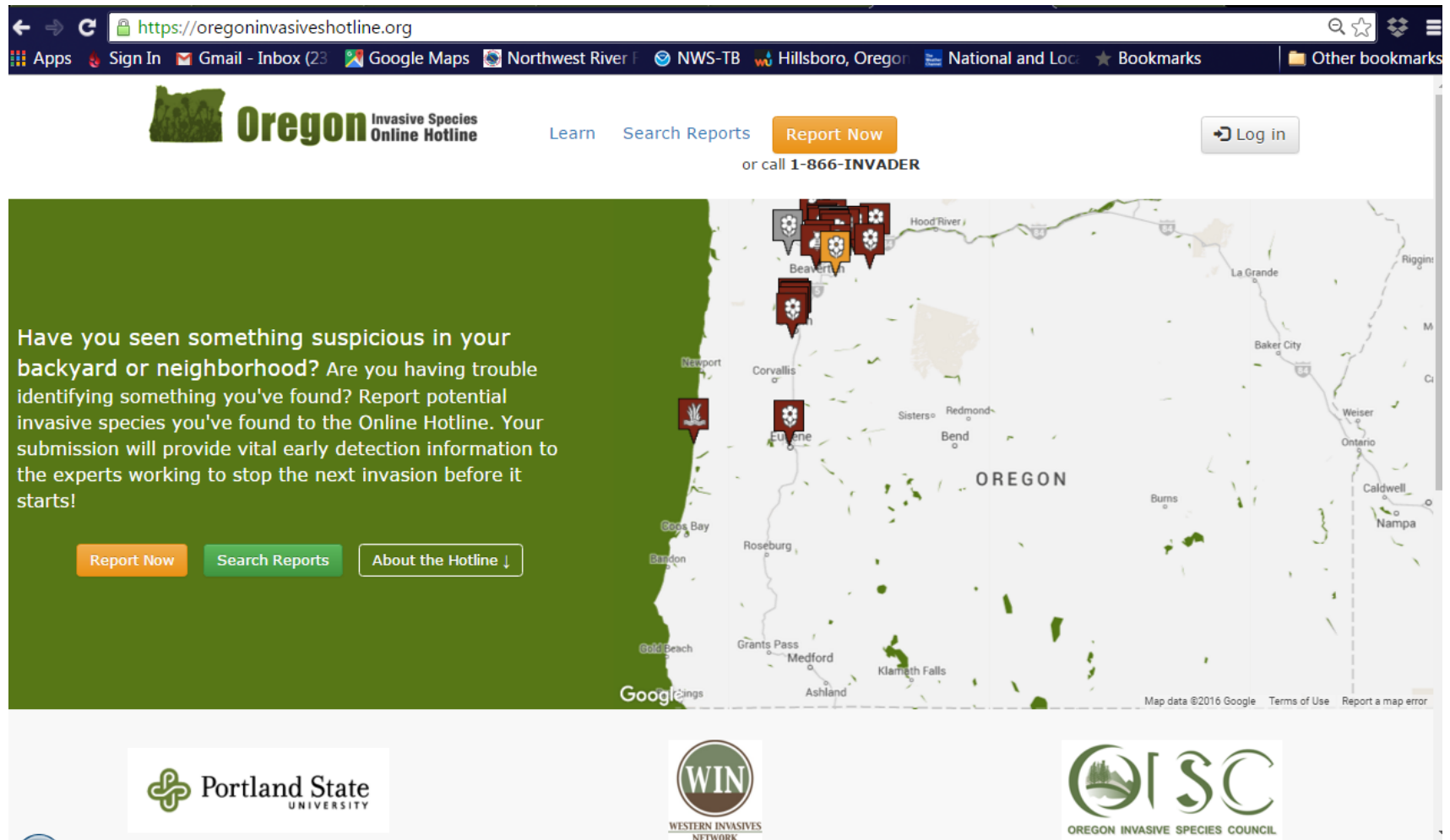
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- **Adapt** and improve – Adaptative Management in Action!
- **Restore** resiliency for the long-haul
- **Robust infrastructure** in place for outreach, monitoring & surveying



In it Together!
COLLABORATIVE
APPROACH &
IMPACT



Report: oregoninvasiveshotline.org



<https://oregoninvasiveshotline.org>

Apps Sign In Gmail - Inbox (23) Google Maps Northwest River NWS-TB Hillsboro, Oregon National and Local Government Bookmarks Other bookmarks

Oregon Invasive Species Online Hotline

Learn Search Reports **Report Now** Log in

or call **1-866-INVADER**

Have you seen something suspicious in your backyard or neighborhood? Are you having trouble identifying something you've found? Report potential invasive species you've found to the Online Hotline. Your submission will provide vital early detection information to the experts working to stop the next invasion before it starts!

Report Now Search Reports About the Hotline ↓

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Portland State UNIVERSITY

WIN WESTERN INVASIVES NETWORK

OISC OREGON INVASIVE SPECIES COUNCIL

Contact Info

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michelle@wmswcd.org

