

# The Oregon Statewide Action Plan for Invasive Species

## 2017-2019



**WORKING DOCUMENT**

DEVELOPED BY:

STATEWIDE STRATEGIC PLAN WORKING GROUP  
of the OREGON INVASIVE SPECIES COUNCIL



2017  
Oregon Invasive Species Council

# EXECUTIVE SUMMARY

As globalization increases and the world becomes more accessible, invasive species pose a threat to key sectors of Oregon’s economy that depend upon natural resources and native ecosystems. Agriculture, forestry, tourism, and water resource infrastructure, including hydropower facilities, are at serious risk of being adversely impacted by invasive species. Because invasive species are a constant threat and the pressure is unrelenting, proactive and coordinated management is necessary to sustain Oregon’s working landscapes and economic viability. Unchecked, invasive species individually and collectively have the potential to imperil public health and transform ecosystems, resulting in widespread economic and environmental devastation. Once introduced and established, many invasive species cannot be eradicated and the invasion itself becomes irreversible.

In addition, millions of species could be harmful to Oregon in ways we have not begun to assess. Preventing new introductions of invasive species, and removing and managing existing invasive species, requires constant vigilance. This task is possible only with the active cooperation of a strong network of diverse partners.

In 2001, the Oregon Legislature established the Oregon Invasive Species Council (“OISC” or “Council”) to conduct a comprehensive and coordinated effort to prevent, detect, control, and eliminate invasive species harming the region’s economy, health, and natural resources.

To read the accompanying plan, The Oregon Statewide Strategic Plan for Invasive Species 2017-2027, visit [www.oregoninvasivespeciescouncil.org](http://www.oregoninvasivespeciescouncil.org).

# DEFINITIONS

**KEY PLAYERS:** A governmental agency or other organization that is significantly engaged in implementing actions under the objectives on a statewide basis or whose efforts the Council recognizes as significantly advancing a statewide objective.

This role involves implementation, statewide tracking, participation and collaboration to ensure that Oregon achieves the objectives. The active coordination and collaboration by Key Players with the Oregon Invasive Species Council is essential for protecting Oregon from invasive species.

**PARTNERS:** A governmental agency or other organization that has contributed to invasive species efforts and demonstrated commitment to achieving the statewide objectives.

This role includes varying levels of implementation, statewide tracking, participation and collaboration to ensure that Oregon achieves the objectives. Partners are invited and encouraged to coordinate with the Oregon Invasive Species Council. Active coordination and collaboration among diverse partners provides the strongest foundation for protecting Oregon from invasive species.

**OREGON INVASIVE SPECIES NETWORK:** All key players, partners and any entity or individual with a stake or interest in protecting Oregon from invasive species. The Oregon Invasive Species Network (OISN) serves as hub for collaboration and coordination across the spectrum of invasive species efforts. The active involvement of network members determines the usefulness of the network.

**INVASIVE SPECIES CHAMPION:** An individual or representative of an organization who has made a significant contribution to advancing one or more statewide objectives at a local, statewide or regional scale.

# OBJECTIVE I

## PREVENTION

- Prevent the introduction and establishment of invasive species to reduce their impact on the environment, economy, and health of Oregon.
- Maintain exclusion of harmful invasive species.

Implementation: A robust communication and planning network for the state agencies, with emphasis on a pathways approach, will enhance the opportunity to succeed in preventing invasive species from entering Oregon. Adequate funding is essential for State and Federal agencies to be able to continue to lead prevention efforts.

### KEY PLAYERS

Oregon Department of Agriculture  
Oregon Department of Environmental Quality  
Oregon Department of Fish and Wildlife  
Oregon Department of Forestry  
Oregon Department of Transportation  
Oregon State Marine Board  
Tribal Governments  
USDA Animal and Plant Health Inspection Service  
U.S. Fish & Wildlife Service

### PARTNERS

Bureau of Land Management  
Cooperative Weed Management Areas  
Consumptive users: anglers, hunters, trappers  
Industry groups: agriculture, aquaculture, forestry, nursery, trade  
Law enforcement  
National Park Service  
Non-consumptive users: campers, hikers, photographers, sightseers  
Oregon State Parks  
Oregon State University  
Oregon Watershed Enhancement Board  
Portland State University  
Travel Oregon  
U.S. Customs and Border Protection  
U.S. Forest Service

### PREVENTION STRATEGY 1

Endorse pathway management to prevent introduction and establishment of new species *into* Oregon and to contain further spread of invasive species established within geographically limited areas of Oregon.

I.a Identify pathways and assess the cost/benefit ratio of preventing either entry into or spread of invasive species within Oregon.

I.b. Facilitate comprehensive evaluation of current laws, regulations & policies in place in Oregon to determine gaps and overlap for prevention of invasive species.

I.c. For each pathway into and within Oregon, evaluate the risk posed by the most likely invaders.

#### PREVENTION STRATEGY 2

Enhance enforcement by Oregon agencies of existing legal authorities that prevent introduction and spread of invasive species; evaluate changes needed to incorporate pathway approach into existing legal authorities.

I.d Expand inspection programs to prevent introductions at all border entry points.

I.e Evaluate what changes to laws, regulations, and policies are needed for cross-jurisdictional prevention and enforcement.

I.f Evaluate the effectiveness of current enforcement penalties for state laws that prohibit the transport into or release of invasive species within the state and provide recommendations to the 2019 legislature for targeted increases.

#### PREVENTION STRATEGY 3

Promote research on advantages of pathway approach; recommend prevention actions that utilize a pathway approach.

I.g Inventory standard methodologies for assessing species risk and identify those that need to incorporate a holistic pathway analysis.

I.h Encourage research on prevention that focuses on pathways, including surveys and field studies, and assess their utility in informing management decisions.

I.i. Provide existing research on the pathway approach to state managers to inform management decisions.

#### PREVENTION STRATEGY 4

Identify, compile, and share best management practices (BMPs) for pathways by which invasive species enter Oregon and move about within the state.

I.j Inventory decontamination protocols.

I.k Identify best management practices (BMPs) that are effective.

I.l Identify BMPs that need to be developed.

I.m Develop and research best management practices for use by general public such as boot brushes and wash stations.

I.n Inventory and assess and/or develop public education tools for self-inspection and decontamination.

#### PREVENTION STRATEGY 5

Engage in cooperative partnerships at the local, national, and regional levels to aid in effective prevention.

I.o Develop and adapt cooperative partnership models with industries and stakeholder associations operating in transportation pathways.

I.p Coordinate shared regional messaging.

I.q Review regional and federal programs to identify gaps and opportunities for cross-border collaboration.



# OBJECTIVE II

## EARLY DETECTION & RAPID RESPONSE (EDRR)

- Strengthen and expand the capacity to identify, report, and effectively respond to newly discovered invasive species of all taxa.

Implementation: Early detection and rapid response (EDRR) is a critical component of successful invasive species management in Oregon. EDRR demands a widespread and comprehensive network of trained detectors and “boots on the ground” to implement rapid response strategies. The Oregon Invasive Species Council is well-positioned to convene diverse stakeholders to coordinate planning, research, and management of *all* invasive species. Local support and access to funding for rapid response is necessary to achieve eradication in the short time frame before an invading species is able to establish itself.

### KEY PLAYERS

Oregon Department of Agriculture  
Oregon Department of Fish and Wildlife  
Oregon Department of Forestry  
Oregon Invasive Species Council  
Tribal Governments  
USDA Animal and Plant Health Inspection Service

### PARTNERS

Army Corps of Engineers  
Bureau of Land Management  
Citizen Science Groups  
Consumptive users: anglers, hunters, trappers  
Cooperative Weed Management Areas  
Hydropower facilities  
Industry groups  
Local Governments  
National Park Service  
Natural resource contractors  
Non-consumptive users: campers, hikers, photographers, sightseers  
Oregon Department of Environmental Quality  
Oregon Department of State Lands  
Oregon Department of Transportation  
Oregon Office of Emergency Management  
Oregon State Parks

Oregon State Marine Board  
Oregon State University  
Oregon Watershed Enhancement Board  
Portland Bureau of Environmental Services  
Portland State University  
Port management organizations  
Private landowners  
U.S. Customs & Border Protection  
U.S. Fish & Wildlife Service  
U.S. Forest Service  
Watershed Councils  
Weed Control Districts

#### EDRR STRATEGY 1

Foster diverse early detection and rapid response (EDRR) networks emphasizing pathways, cross-jurisdictional partnerships, and sharing information.

II.a Convene regional stakeholders annually to address pathway threats.

II.b Develop a network model to assess network needs, increase efficiencies and effectiveness in communication and response.

#### EDRR STRATEGY 2

Promote research that evaluates risks of emerging invasives and best practices for early detection and rapid response.

II.c Seek funding to support research of new detection and eradication methods

II.d Assess and inventory available research, key players, and identify research needs.

II.e Identify priority research needs.

#### EDRR STRATEGY 3

Facilitate comprehensive development of rapid response plans and capacity of collaborative response teams.

II.f Expand Incident Command System for invasive species response including IS-ICS Teams.

II.g Conduct tabletop drills and exercises at network meetings to test and adapt the response network.

II.h Refine rapid assessment, monitoring, and evaluation programs using a pathway approach.

II.i Identify opportunities to streamline permitting process for rapid response to increase efficiencies and reduce response time.

#### EDRR STRATEGY 4

Support targeted survey and monitoring efforts using a pathway analysis and a partnership approach.

II.j Seek funding for local districts to enhance EDRR capacity and create consistency across the state.

II.k Maintain consistent funding and support for invasive species hotline.

II.l Promote reporting and mapping of invasive species observations via use of existing resources in one central location.

II.m Seek funding to increase state invasive species control account from \$350,000 to \$5 million.

II.n Refine methods and pilot collaborative survey partnerships including collecting baseline data.

#### EDRR STRATEGY 5

Ensure local prioritization of species of concern is based on pathways analysis and environments at risk so as to be consistent with state categorization.

II.o Compile and assess species-specific information along different pathways to inform prioritization.

II.p Create common definitions for categories of risk at local and state levels.

# OBJECTIVE III

## CONTROL & MANAGEMENT

- Minimize the harmful impacts of established invasive species populations through containment, reduction, and effective management.
- Prevent the spread of established invasive species.

Implementation: Natural resource agencies, local governments and control districts, and NGOs play a critical role in protecting our natural resources from the devastating effects of invasive species. On-the-ground partners are fighting an uphill battle on a daily basis. Control and management requires stable funding, research into new control methods, and cooperation from landowners in the state.

### KEY PLAYERS

Bureau of Land Management  
Cooperative Weed Management Areas  
Land managers  
National Park Service  
Oregon Department of Agriculture  
Oregon Department of Fish and Wildlife  
Oregon Department of Forestry  
Oregon Department of Transportation  
Oregon Department of State Lands  
Oregon State Parks  
Private landowners  
Soil and Water Conservation Districts  
Tribal Governments  
USDA Animal and Plant Health Inspection Service  
U.S. Fish & Wildlife Services  
U.S. Forest Service

### PARTNERS

Army Corps of Engineers  
Local Governments  
Natural resource contractors  
NGOs  
Oregon Department of Environmental Quality  
Oregon State Marine Board  
Oregon State University  
Oregon Watershed Enhancement Board  
Port management organizations  
Private landowners

Watershed Councils  
Weed Control Districts  
Portland State University  
Research institutions

#### CONTROL & MANAGEMENT STRATEGY 1

Control spread of invasive species once established Oregon focusing on pathways into and out of affected areas.

III.a Assess quarantine areas within Oregon as part of strategic control planning to delineate roles and responsibilities.

III.b Assess and share best practices for landowner cooperation with quarantines.

III.c Assess reporting procedures and implementation documentation at local and regional levels to identify omissions and collaborate across jurisdictional lines.

#### CONTROL & MANAGEMENT STRATEGY 2

Identify and secure sufficient funding for effective invasive species control.

III.d Increase current levels of funding for invasive species control, including funding invasive species control districts.

III.e Collaboratively develop a strategy for new sources of funding for invasive species control.

III.f Investigate and compile information about the economic implications of invasive species impacts to demonstrate the importance of control.

#### CONTROL & MANAGEMENT STRATEGY 3

Evaluate existing control methods, prioritize efforts, and identify new techniques for greater control and efficacy of management.

III.g Compile and assess research and best management practices as recommendations for on-the-ground invasive species managers, including control, management, and disposal.

III.h Assess where innovative management techniques might be needed, especially under extreme natural conditions (e.g., severe weather events, climate change).

III.i Convene stakeholders to share information about successes, methods, challenges, and opportunities for improvement to work towards shared performance measures.

#### CONTROL & MANAGEMENT STRATEGY 4

Ensure ecosystem recovery processes are an essential component of control and management treatments to restore resilience in the system and reduce need for ongoing management.

III.j Compile and assess best management practices for restoration and ecosystem recovery with opportunities highlighted.

III.k Coordinate between restoration / conservation entities and invasive species management entities to share information and develop priorities to ensure ecosystem recovery is part of invasive species control programs.

# OBJECTIVE IV

## EDUCATION & OUTREACH

- Ensure all Oregonians have an understanding of the impacts of invasive species and what role they can play in preventing and controlling invasive species.

Implementation: Research institutions, county extension offices, and NGOs are at the forefront of education and outreach, reliant on natural resource agencies for up-to-date information and resources. Diverse partnerships are extremely important to extend the reach of information to many different audiences. Shared messaging, user-friendly access to resources, and culturally diverse messages create a robust infrastructure for disseminating information widely.

### KEY PLAYERS

Oregon Invasive Species Council  
Oregon Sea Grant  
Oregon State University  
Portland State University  
Tribal Governments

### PARTNERS

k-12 Educators  
Colleges and Universities  
Community groups  
Media Outlets  
NGOs (such as Dig In, Friends of Outdoor School, Northwest Youth Corps, SOLVE, Willamette Riverkeepers)  
Nonformal educators  
Oregon State University Extension  
Outdoor retailers  
Pet trade organizations  
Bureau of Land Management  
National Park Service  
Oregon Department of Agriculture  
Oregon Department of Environmental Quality  
Oregon Department of Fish and Wildlife  
Oregon Department of Forestry  
Oregon State Marine Board  
Oregon State Parks  
USDA Animal and Plant Health Inspection Service  
U.S. Fish & Wildlife Service  
U.S. Forest Service

### EDUCATION & OUTREACH STRATEGY 1

Expand awareness of invasive species through messaging and improved communication tools that meaningfully reach the Oregon public.

IV.a Engage with the general public through varied events and publicity including National Invasive Species Week, presence at highly attended events such as the Oregon State Fair, press & media relations, and platforms like Ted Talk or video.

IV.b Invest in marketing campaigns to increase broad-based public awareness of the threats and impacts of invasive species and instill personal responsibility and protection of Oregon's assets.

IV.c Facilitate legislative days' events to increase engagement with policymakers.

### EDUCATION & OUTREACH STRATEGY 2

Collaboratively develop educational materials with network partners to leverage expertise and resources.

IV.d Increase educational signage across the state.

IV.e Coordinate between outreach and education partners to leverage funding and capacity.

IV.f Compile, assess, and refine culturally and geographically-relevant educational materials using a variety of media, including professional materials, shared messaging, and best available materials.

IV.g Develop protocols for evaluating effectiveness of education outreach materials.

IV.h Compile and share data on social, environmental, and economic impacts of invasive species.

### EDUCATION & OUTREACH STRATEGY 3

Promote focused, inclusive outreach and engagement to build public support and involvement among historically under-represented audiences

IV.i Engage a diverse network of Oregonians through on-the-ground community efforts.

IV.j Engage with communities directly through clubs, schools, and other organizations that serve underrepresented Oregonians.

IV.k Coordinate between partner education organizations and outreach organizations to leverage reach and capacity.



IV.l Develop a cooperative partnership with tribal governments to create and disseminate educational invasive species messages.

IV.m Develop a model for diversity & inclusion policies and best practices that can be implemented by agencies, NGOs, and other entities with invasive species programs.

# OBJECTIVE V

## COORDINATION & LEADERSHIP

- Maximize cross-organizational effectiveness and collaboration.
- Coordinate a comprehensive invasive species network in the state and region to deal with invasive species spanning jurisdictional boundaries.
- Leverage funding opportunities and elevate the understanding of threats and risks of invasive species.

Implementation: Coordination will take multiple forms, but the foundation of success resides in strong cooperation and support from both the top down and bottom up. Leadership plays a central convening role to bring together diverse stakeholders in a variety of ways, support working groups across sectors, and provide a central online clearinghouse for information.

### KEY PLAYERS

Governor's Natural Resources Office  
Oregon Invasive Species Council  
Oregon Invasive Species Council Advisory Committee  
Oregon Legislators  
Tribal Governments

### PARTNERS

Bureau of Land Management  
Cooperative Weed Management Areas  
Industry leaders  
National and Regional Invasive Species Councils  
NGOs  
Northwest Power and Conservation Council  
Oregon Office of Emergency Management  
Pacific NorthWest Economic Region  
Pacific States Marine Fisheries Commission  
Soil and Water Conservation Districts  
National Park Service  
Oregon Department of Agriculture  
Oregon Department of Environmental Quality  
Oregon Department of Fish and Wildlife  
Oregon Department of Forestry  
Oregon State Marine Board  
Oregon State Parks  
U.S. Customs and Border Protection  
USDA Animal and Plant Health Inspection Service

U.S. Fish & Wildlife Service  
U.S. Forest Service

#### COORDINATION & LEADERSHIP STRATEGY 1

Establish and maintain an online information clearinghouse for invasive species.

V.a Develop the Oregon Invasive Species Council website as a user-friendly, searchable public resource to access available information about invasive species and to allow information exchange.

V.b Inventory available invasive species information and assess for duplication and omissions. Make recommendations for updating website to address duplication and omissions.

V.c Develop a collaborative online hub for management efforts including planning, response plans, best management practices, data exchange, and strategic action plans.

V.d Support exchange of survey data and strengthen statewide mapping initiatives.

#### COORDINATION & LEADERSHIP STRATEGY 2

Facilitate communication networks for sharing information and responding to invasive species threats.

V.e Facilitate an annual meeting to complete tracking of implementation of the statewide strategic plan for all objectives.

V.f Facilitate regional & pathway working groups, interactive network meetings, and other forms of collaboration between Council meetings to share information and enhance the invasive species network in Oregon.

V.g Facilitate a summit of Invasive Species Councils in the Western US every two years.

V.h Assess potential roles of a diverse advisory body and determine how to increase participation in invasive species issues across political and governmental lines.

#### COORDINATION & LEADERSHIP STRATEGY 3

Ensure adequate funding is available to effectively prevent, control, and manage the introduction and spread of invasive species.

V.i Seek funding for a \$5 million dollar invasive species emergency fund; include statutory protection from being "swept".

V.j Create grant program specifically for implementation of statewide strategic plan actions.

V.k Seek funding for the OISC Coordinator position sufficient to maximize and sustain statewide invasive species coordination and implementation of the Statewide Strategic Plan objectives.

#### COORDINATION & LEADERSHIP STRATEGY 4

Engage in collaborative planning to prioritize efforts.

V.l Diversify Oregon Invasive Species Council's advisory body for multi-stakeholder engagement and planning.

V.m Make recommendations for legislation to address significant gaps in legal authorities.

#### COORDINATION & LEADERSHIP STRATEGY 5

Evaluate effectiveness of current invasive species programs and make recommendations for improvement.

V.n Evaluate effectiveness of existing legal authorities (statutes & regulations).

V.o Formulate performance measures and determine associated financial costs for implementation of existing invasive species programs.

#### COORDINATION & LEADERSHIP STRATEGY 6

Coordinate effectively between state agencies on all invasive species issues under the guidance of the Governor's Natural Resource Office.

V.p Identify agency leads for various pathways and mechanisms for collaboration and reporting.

V.q Utilize information from network and working groups to develop plans and priorities.

V.r Coordinate with decision-makers including regularly scheduled briefings with key legislators.

V.s Increase agency directors' participation in Oregon Invasive Species Council functions.

V.t Coordinate closely and routinely with Governor's Natural Resource Office; secure regular attendance for OISC as a state agency with statewide perspective on invasive species at bi-weekly NR Cabinet meetings.

V.u Make recommendations for legislation to address gaps in legal authorities.

V.v Amend statutes governing OISC membership to add additional Oregon natural resource agencies as Council members, including those that manage significant invasive species pathways.

# RESOURCES

## OISC REPORTS & SPONSORED PROJECTS

Oregon Invasive Species Council Action Plan 2012-2016

<http://library.state.or.us/repository/2013/201303261307482/index.pdf>

Assessment of Invasive Species in Oregon

<http://www.anstaskforce.gov/StatePlans/OR/statewidemanagementassessmentreportfinal.pdf>

100 Most Dangerous Invaders to Keep Out

[https://www.oregon.gov/oisc/pages/most\\_dangerous.aspx](https://www.oregon.gov/oisc/pages/most_dangerous.aspx)

Oregon Invasive Species Hotline

<https://oregoninvasiveshotline.org>

iMapInvasives

<http://www.imapinvasives.org>

Oregon Public Broadcasting: The Silent Invasion

<http://www.opb.org/programs/invasives/>

## STATE INVASIVE SPECIES MANAGEMENT RESOURCES

Oregon Department of Agriculture: Noxious Weeds

<http://www.oregon.gov/oda/programs/weeds/pages/aboutweeds.aspx>

Oregon Department of Environmental Quality: Ballast Water Management Program

<http://www.oregon.gov/deq/Hazards-and-Cleanup/env-cleanup/Pages/Ballast-Water.aspx>

Oregon Department of Fish and Wildlife: The Oregon Conservation Strategy

<http://www.oregonconservationstrategy.org>

Oregon State University: Oregon Forest Pest Detectors

<http://pestdetector.forestry.oregonstate.edu>

Oregon State Marine Board: Aquatic Invasive Species Program

<http://www.oregon.gov/OSMB/boater-info/Pages/Aquatic-Invasive-Species-Program.aspx>

Western Invasives Network

<http://www.cascadepacific.org/western-invasives-network>

Oregon Integrated Water Resources Strategy

[https://www.oregon.gov/owrd/LAW/docs/IWRS\\_Final.pdf](https://www.oregon.gov/owrd/LAW/docs/IWRS_Final.pdf)

## PACIFIC NORTHWEST KEY PLAYER & PARTNER RESOURCES

Pacific Northwest Weed Management Handbook

<https://pnwhandbooks.org/weed>

The 100<sup>th</sup> Meridian Initiative: Columbia River Basin Interagency Response Plan

<http://100thmeridian.org/ActionTeams/Columbia/CRB%20Dreissenid%20Rapid%20Response%20Plan%20OCTOBER%201%202008.pdf>

2015 Washington Invasive Species Council Strategic Plan

<http://www.invasivespecies.wa.gov/documents/WISCStrategicPlan.pdf>

Pacific Northwest Invasive Plant Council

<http://www.pnw-ipc.org/>

FEDERAL KEY PLAYERS & PARTNER RESOURCES

United States Department of Agriculture: Invasive Species

<https://www.fs.usda.gov/main/r6/forest-grasslandhealth/invasivespecies>

United States Fish and Wildlife Service: Pacific Region Aquatic Invasive Species

<https://www.fws.gov/pacific/fisheries/aquaticnus/index.cfm>

# REVISION HISTORY

Version 1: February 6, 2017

Version 1: February 14, 2017

- Added consumptive users under Prevention and EDRR
- Expanded list of industry groups
- Added USDA APHIS to multiple objectives
- Added U.S. Customs and Border Protection to multiple objectives