



FISH AND AQUATIC CONSERVATION

AQUATIC INVASIVE SPECIES PROGRAM

Columbia River Basin
100th Meridian Working Group Meeting

June 2024 Update

Please contact us!

<https://www.fws.gov/program/aquatic-invasive-species/contact-us>



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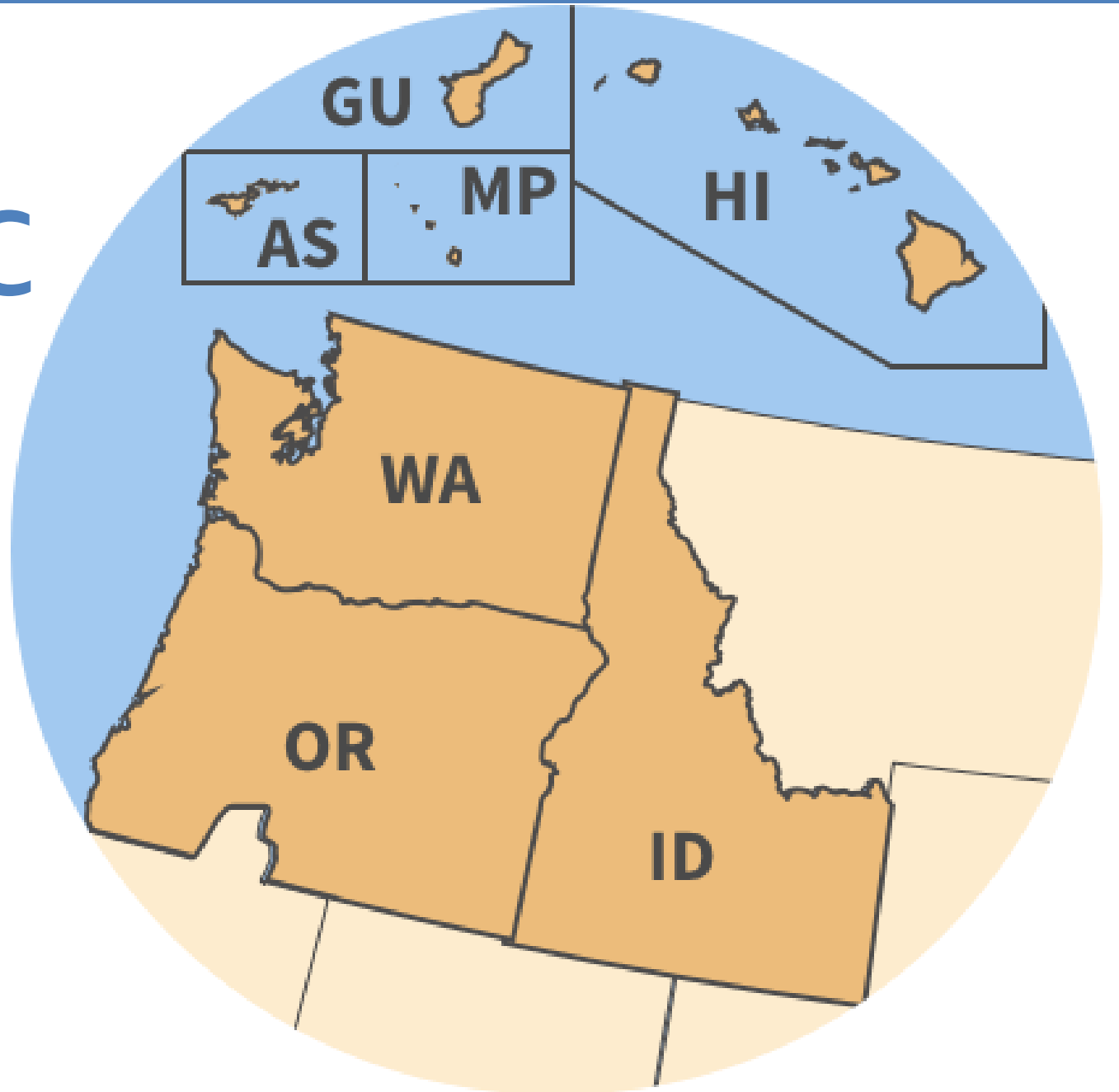


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Geographic Scope





PROGRAM PRIORITIES

A person in a boat is using a net to sample water in a large body of water. The person is wearing a yellow life vest and is holding a long pole with a net attached. The boat is a small motorboat with a black outboard motor. The water is calm and the sky is overcast. The background shows a distant shoreline with some buildings and trees.

- Prevention

- Horizon Scanning
- Risk Assessments, HACCP

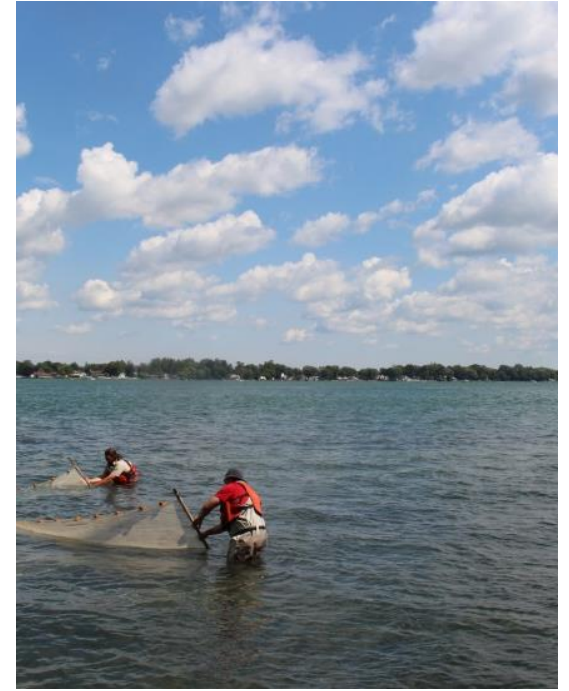
- Early Detection

- Broad Spectrum Monitoring
- Targeted Species

- Rapid Response

- Control / Management

- Coordination / Communication



MONITORING

eDNA Monitoring



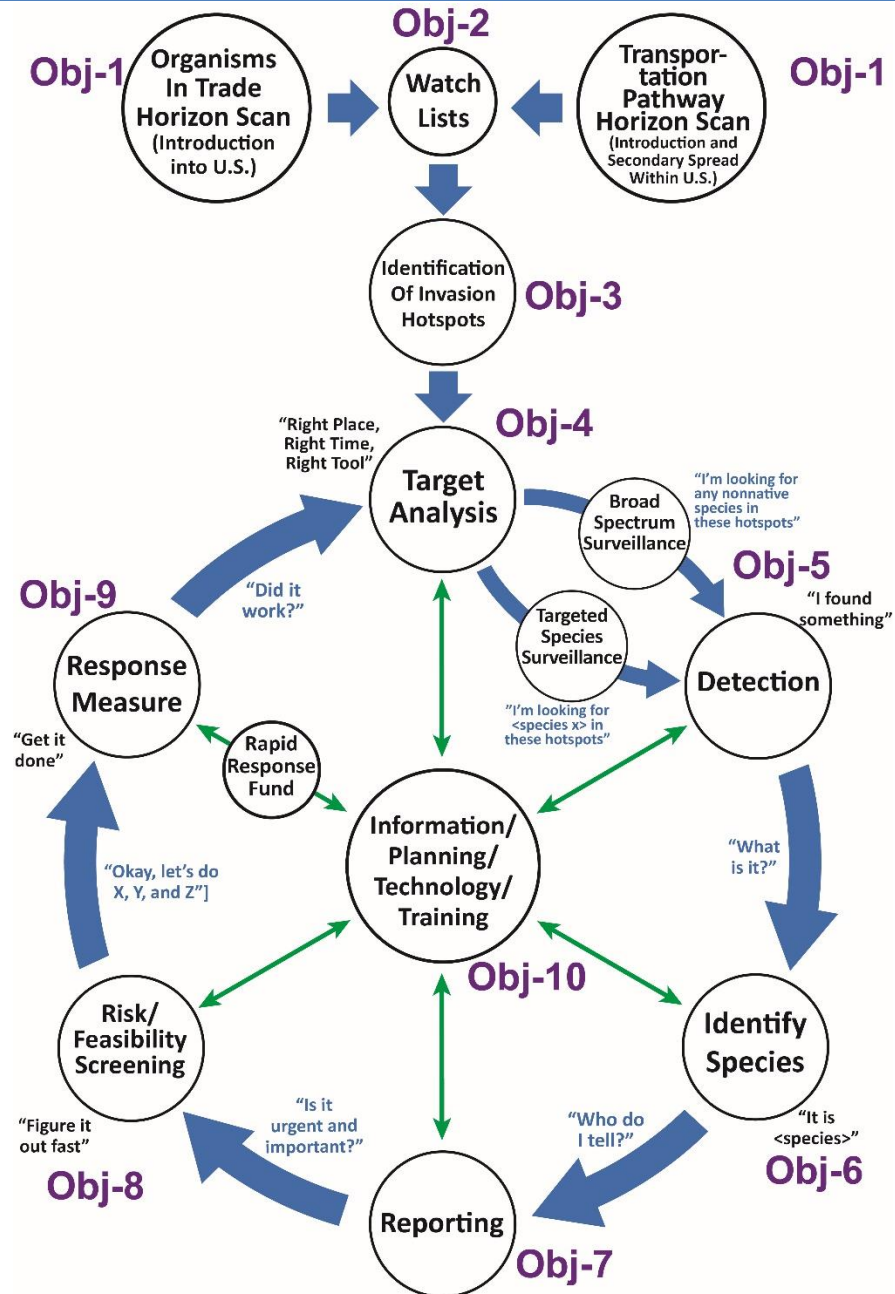
- eDNA work to test for NZMS (2015-present)
- Added zebra and quagga mussels (2017 – present)
- In 2021 added northern pike, and invasive carp
- Testing portable PCR unit for real-time eDNA sample processing at NFHs

YY Brook Trout Stocking

- Tye Springs / Wind River
- Stocking YY Brook Trout
- Annual Brook Trout removal
- PIT array to monitor movement and survival of YY brook trout



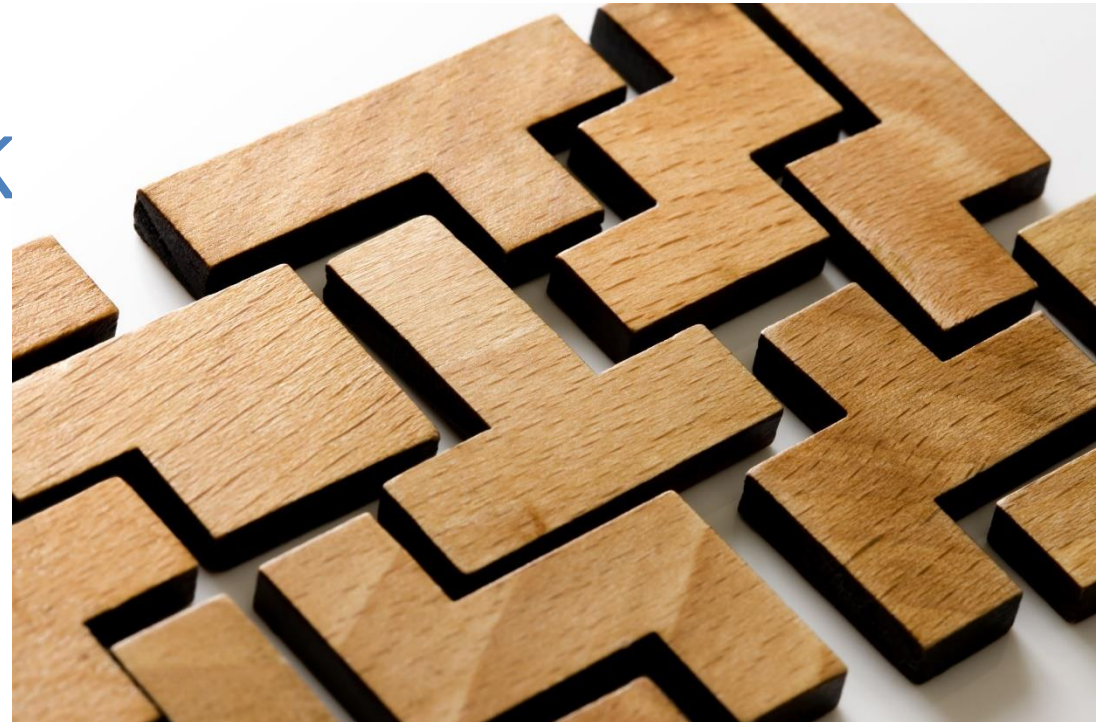
Early Detection Rapid Response Framework





FY24 BUDGET

- FY2024 State ANS Plan Funds: \$4.084 Million (\$90K /state)
- FY2024 QZAP Funds: \$2.25 Million
(closed May 15, 2024; reviewing proposals now)
- Inter-Agency Agreement: \$250K
(FWS, BLM, BOR, NPS)



- **FY2023 QZAP Funds: \$2.1 Million (F23AS00319)**

- Received 20 proposals requested approx. \$4.7M
- Funded 13 projects totaling \$2,100,111.00

Utah Dept. of Natural Resources \$600K
Boat inspection and decontamination near Lake Powell

E&E Consulting \$60,088
Social media package toolkit to improve WID compliance

Portland State University \$164,430
Early Detection expansion in Oregon waters

Washington Dept. of Fish and Wildlife \$246,100
WID in the Snake River in Southeast Washington

Nevada Dept. of Wildlife \$280,832
WID, Public Outreach and Education

South Dakota Game and Fish \$120,000
WID at South Dakota waterbodies

Invasive Species Action Network \$131,347
Non-motorized boater outreach

Pacific States Marine Fisheries Commission
WID training (\$35K) and Emergency Response (\$60K)

BIOMILAB \$197,842
Cell lines to advance mollusk biology and biocontrol

Wildlife Forever \$65K
website and web-based mapping tool for WID & laws

Colorado Dept. of Parks and Wildlife \$35K
WID database management and development

USFWS Region 7 (Alaska) \$104,472
WID at the Alaska-Canada border

- <https://doi.gov/priorities/investing-americas-infrastructure/ecosystem-restoration/projects>

Bipartisan Infrastructure Law (BIL)

- Provides \$905 Million to DOI for Ecosystem Restoration Activities over 5 yrs (FY22-26)
- 10 Activities - Ecosystem Restoration Section (7 of 10 funded through DOI)

Activity	Total over 5 years
Activity 1: Contracts and Capital Funds to Restore Ecological Health on Federal Lands	\$ 150,000,000
Activity 2: Good Neighbor Agreements with States and Tribes	\$ 40,000,000
<i>Activity 3: Coordination with USDA on Wood Products Infrastructure</i>	
Activity 4: Grants to States and Tribes for Voluntary Restoration	\$ 400,000,000
<i>Activity 5: Grants to States and Tribes for temporary water crossings</i>	
Activity 6: Invasive Species	\$ 100,000,000
Activity 7: Resilient Recreation Sites on Federal Lands	\$ 45,000,000
Activity 8: Revegetation and Hazard Mitigation on Mined Lands	\$ 100,000,000
Activity 9: National Revegetation Effort including National Seed Strategy	\$ 70,000,000
<i>Activity 10: Coordination with USDA for Landscape Scale, Aquatic-Focused Restoration</i>	

Bipartisan Infrastructure Law (BIL)

(FY22-26)

Activity	Total over 5 years
Activity 6: Invasive Species	\$ 100,000,000

“ ... invasive species detection, prevention, and eradication, including conducting research and providing resources to facilitate detection of invasive species at points of entry and awarding grants for eradication of invasive species on non-Federal land and on Federal land.”

Bipartisan Infrastructure Law (BIL)

Ecosystem Restoration Priorities

Ecosystem Restoration Work Group

- Build Climate Adaptation and Resilience for Ecosystems and Communities
- Restore or Improve Cores and Connectivity
- Build and Leverage Activities and Partnerships for Restoration at Scale

Invasive Species Priorities

DOI Invasive Species Task Force

- Prevent the introduction and spread of invasive species in the United States
- Strengthen a coordinated national framework to detect invasive species early and rapidly respond to eradicate them before they cause harm
- Implement eradication projects on island ecosystems and in other high-risk and vulnerable areas
- Support states, tribes, territories, and underserved communities, to build capacity and undertake strategic prevention, detection, and eradication projects,
- Invest in at risk ecosystems and other priority areas to advance strategic prevention, detection, and eradication projects

Bipartisan Infrastructure Law (BIL)

- Rapid Response Fund Pilot Program (closes 7/15/2024)
F24AS00175
- Eradication Grant Fund
\$2.96M closed 5/27/2024
F24AS00320

FY22 Funded Projects (FWS)

- Preventing the Introduction and Spread of Invasive Species Through Strategic Landscape-Level Approaches (\$1,852,550)
- Supporting Inter-Bureau Endemic Species Extinction Prevention Efforts: Novel Eradication Techniques for Invasive Mosquitoes (\$1,000,000)

<https://doi.gov/priorities/investing-america-infrastructure/ecosystem-restoration/projects>

Funding Guide

https://www.doi.gov/sites/doi.gov/files/doi-funding-guide-for-invasive-species-issued-september-2022_o.pdf

**U.S. Department of the Interior
Funding Guide for
Invasive Species Management**

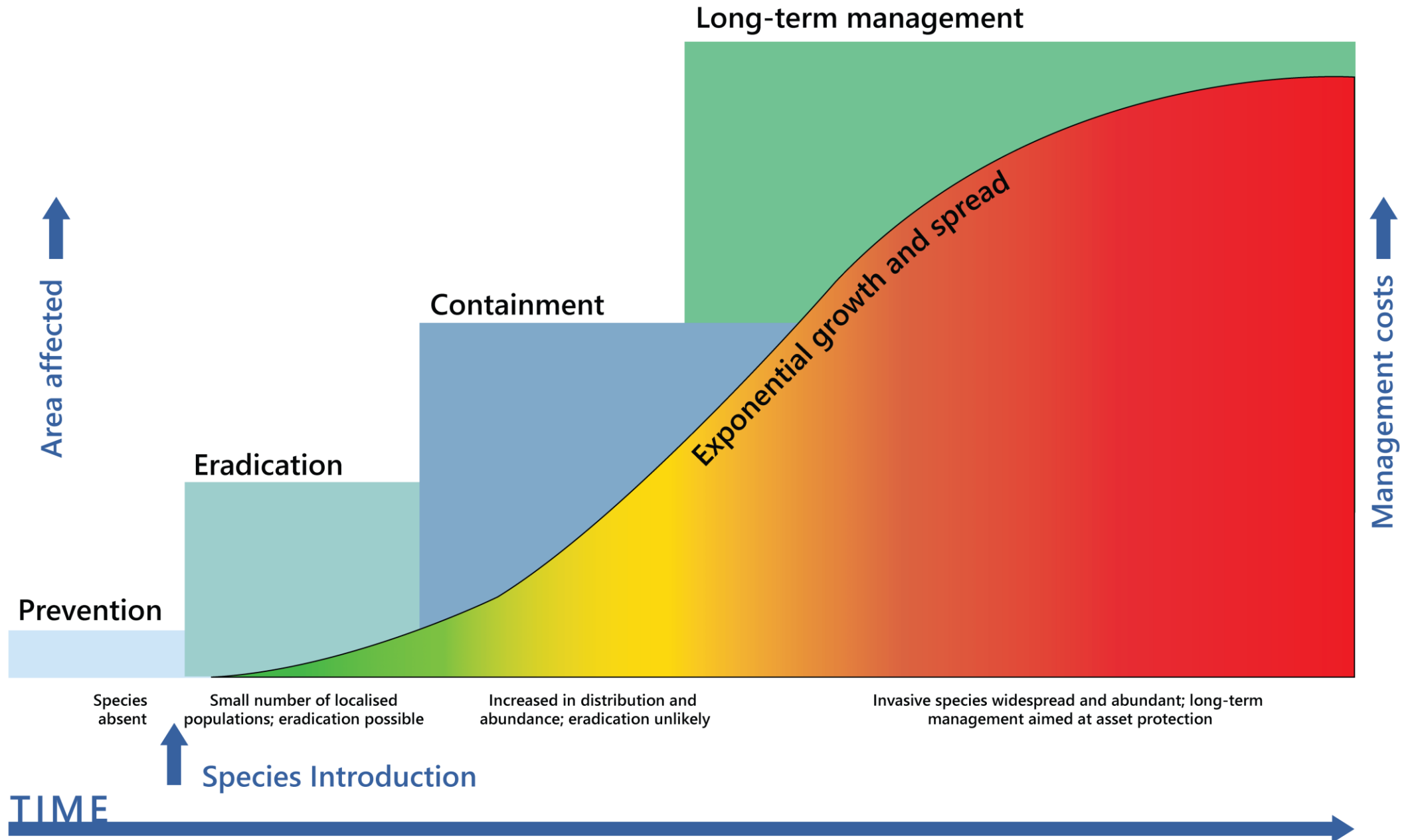
Updates to this guide are underway!

Version 1: Issued September 2022



Challenges

Aspects of the Invasion Management Process







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