

U.S. Department of the Interior Invasive Species Update

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Columbia River Basin

100th Meridian Meeting

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Species Highlights

- **DOI Mussels Coordination**
 - Bureau Programs
 - Funding, including Interagency Agreement
 - QZAP 2.0 Implementation
 - DOI FY 2023 Implementation Highlights
 - Moss Ball Response After Action Report
- **Interagency Mussels Rapid Response MOU**
 - Federal POCs and Resource List
 - Equipment Cache Pilot
- **European Green Crab**
 - BIA, BLM, USFWS, USGS cooperative response measures
 - Internal DOI coordination, as needed
 - EGC National Management Plan



Bipartisan Infrastructure Law: Examples of Invasive Species Investments

- **Prevention**
 - FY22: NOFO
 - FY24-26: Bureau projects
 - Alaska
 - Islands
 - Nation-wide
- **National Early Detection and Rapid Response Framework**
- **Eradication Grants (closed 5/27)**
- **Bureau Place Based Priorities**
 - DOI Keystone Initiatives (7 placed based)
 - Bureau Priorities

FACT SHEET

Interior Department to Take Action to Restore Lands and Waters, Advance Climate Resilience

Through President Biden's Bipartisan Infrastructure Law and the Inflation Reduction Act, the Department of the Interior is putting people to work restoring our nation's lands and waters with a \$2 billion down payment that builds on existing Department programs and invests in locally led landscape, partner driven restoration. At a time when tackling the climate and biodiversity crises could not be more critical, this investment in clean water, clean air, wildlife habitat, cultural resources and open spaces will benefit people, wildlife and local economies for generations to come.

The Department has announced a Restoration and Resilience Framework to support coordination across agency restoration and resilience programs and drive transformational outcomes with strategic investments that improve degraded lands and waters as well as advance climate resilience. The framework is anchored by restoration and resilience goals to guide Department funding toward collaborative, strategic and measurable ecosystem restoration benefits that will:

- 1. **Address climate change impacts** including wildfire, drought and coastal flooding
- 2. **Restore healthy lands and waters** including rivers, wetlands, grasslands, islands and cultural resources
- 3. **Enhance communities' quality of life** by improving outdoor spaces and addressing legacy pollution

Nested within the goals are an initial set of keystone initiatives, each focused on turning the tide on a conservation challenge. In selecting these initiatives, the Department considered key ecosystems where restoration efforts:

1. align with priorities including improving biodiversity, climate resilience, and advancing co-stewardship and equity;
2. are driven by a locally-led, collaborative restoration strategy in place or in progress;
3. leverage funds from multiple Bipartisan Infrastructure Law or Inflation Reduction Act programs and can be coordinated with multiple partners; and
4. where the Department has an opportunity to have transformational impact at scale.

While these keystone initiatives will receive additional attention, the Department will continue to fund many initiatives and projects outside these areas.

National EDRR Framework - DOI Projects



Siren: the National EDRR Information System

- ✓ Knit local, regional, and national EDRR efforts into one accessible online tool

National EDRR Framework Coordinator

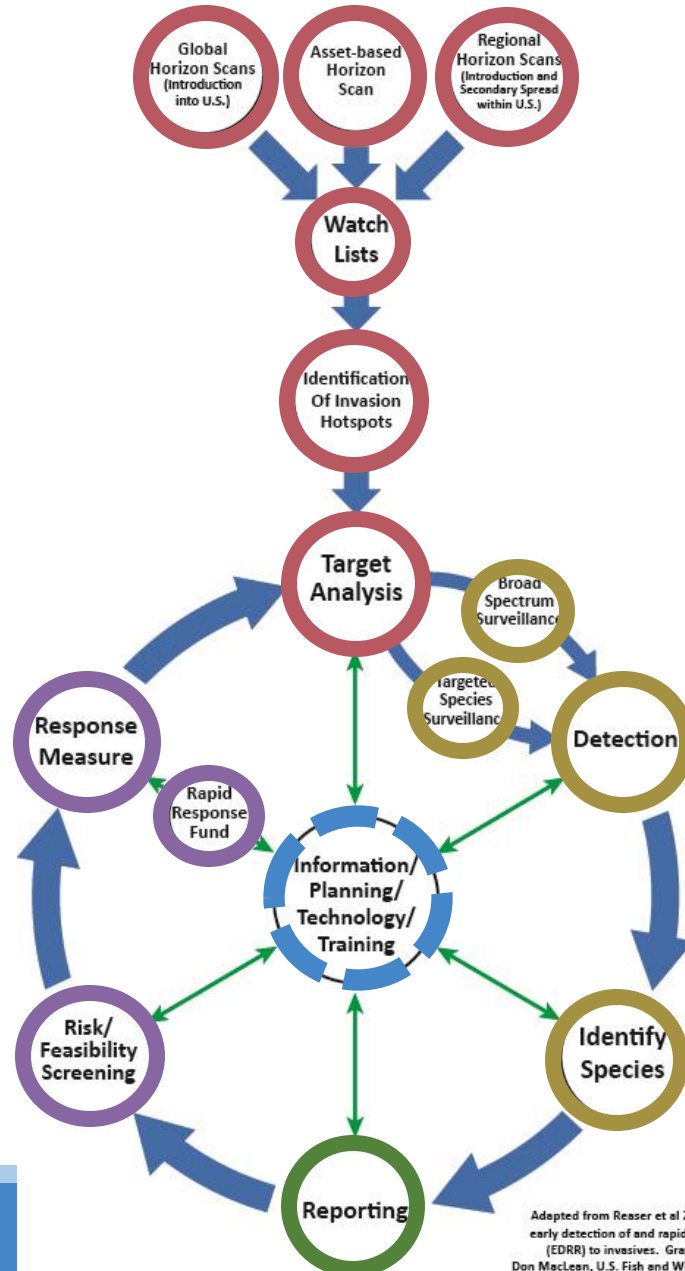
- ✓ Facilitate Framework planning and implementation

Rapid Response Funding and Capacity

- ✓ Rapid Response Fund for Aquatic Invasive Species
- ✓ DOI Interjurisdictional Invasive Species Rapid Response Team pilot program

Reporting

- ✓ Utilize existing national, regional, and local occurrence reporting databases
 - E.g., NAS, EDDMaps, iMapinvasives, Wild Spotter
 - NAS metabarcoding



Horizon Scans and Watch Lists

- ✓ Global, Regional, Assets
- ✓ Invertebrates, vertebrates, and plants

Identification of Invasion Hotspots

- ✓ Streams, Lakes, Terrestrial tools
- ✓ Invasive Species Habitat Tool (INHABIT)

Detection Tools and Services

- ✓ Genetic Repository and Sharing Network
- ✓ Genetic marker development
- ✓ Managers eDNA Toolbox
- ✓ Point-of-use eDNA detection tools
- ✓ READI-Net automated eDNA sampling
- ✓ Molecular Lab Network (MLN) including Science Support, Lab Info Management System (LIMS)

Surveillance Capacity

- ✓ DOI asset-based protection, including citizen science
- ✓ Invasion hotspot surveillance pilot efforts

Adapted from Reaser et al 2020. The early detection of and rapid response (EDRR) to invasives. Graphic by Don MacLean, U.S. Fish and Wildlife Service

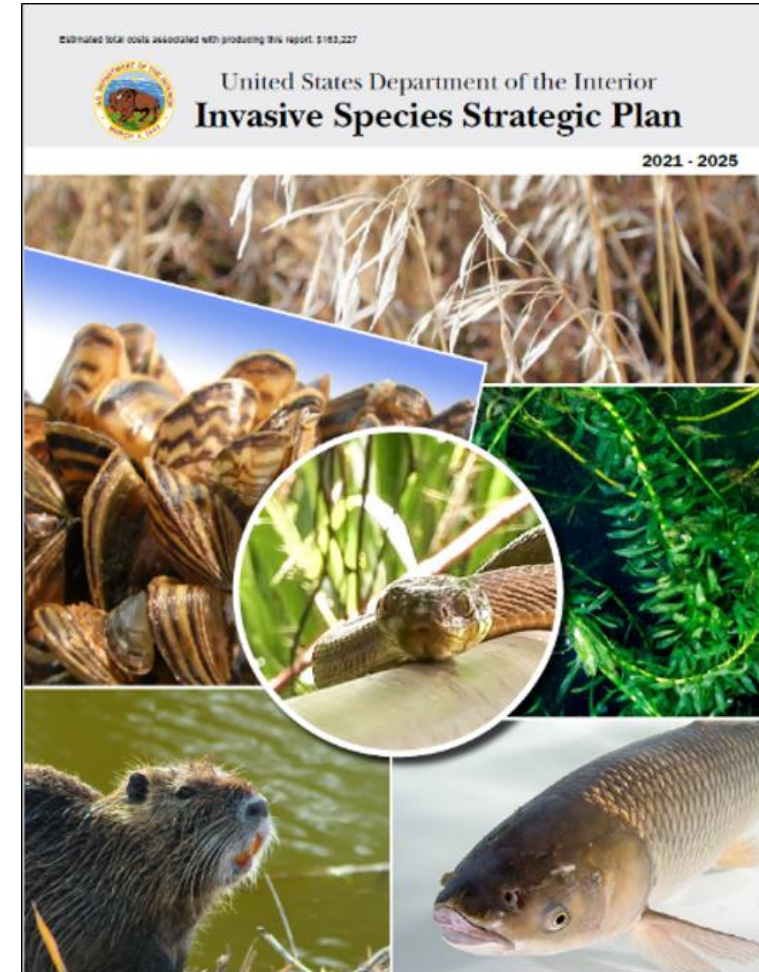
National EDRR Framework Current Efforts

- Overall EDRR Framework and Individual Project Coordination, Planning, & Implementation
- Inreach & Outreach
 - Project level
 - National level
 - States, Tribes, Territories, Other Partners
 - Invasive Species Advisory Committee / Aquatic Nuisance Species Task Force Subcommittee
- Adaptive Management based on input
- Sustainability Planning



Other Priorities In Progress

- DOI Invasive Species Strategic Plan
- DOI Invasive Species Policy
- “3 in 3 for the WIN”
 - (W)ildfire and Invasive Species
 - (I)slands and Invasive Species
 - (N)ational EDRR Framework
- Potential Categorical Exclusion Adoption (in progress)
- Coordination (Internal/External)



Thank you.

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