

U.S. Department of the Interior Invasive Species Update

HILARY SMITH,
SENIOR ADVISOR FOR INVASIVE SPECIES

COLUMBIA RIVER BASIN
100TH MERIDIAN MEETING
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Topics

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- ▶ DOI Invasive Species Investments
- ▶ “3 in 3 for the WIN”
- ▶ Species Highlights:
 - ▶ Zebra/Quagga Mussels, European Green Crab
- ▶ Bipartisan Infrastructure Law

DOI Invasive Species Investments

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**DOI is investing an estimated
\$170M in FY2023,
up from \$156M in FY2022.***
(+BIA, FWS, NPS, USGS)

*does not include Bipartisan Infrastructure Law investments

“3 in 3 for the **WIN**”: Advancing 3 invasive species initiatives in 3 years

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(W) Wildfire &
Invasive Species



(I) Islands &
Invasive Species



(N) National Early Detection &
Rapid Response Framework

Species Highlights

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▶ **DOI Mussels Coordination**

- ▶ Program
- ▶ Funding, including Interagency Agreement
- ▶ QZAP 2.0 Implementation
 - ▶ DOI FY 2022 Implementation Highlights
- ▶ Moss Ball Response (DOI Lead is USFWS)

▶ **Mussels Rapid Response MOU**

- ▶ 2023 Points of Contact & Resource List
- ▶ Response Plan Template w/ANSTF EDRR Committee
- ▶ Exploring feasibility of equipment caches

▶ **European Green Crab**

- ▶ BIA, USGS, USFWS cooperative response measures

Bipartisan Infrastructure Law (BIL)

(PL-117-58), Title VIII, Section 40804 “Ecosystem Restoration”



- ▶ Provides \$905 million to DOI to invest in Ecosystem Restoration Activities over five years (FY 2022-2026).
- ▶ 10 Activities listed under Ecosystem Restoration section; 7 of the 10 activities are funded through DOI.

Activity	Total amount over 5 years (FY22-FY26)
Activity 1: Contracts to Restore Ecological Health on Federal Lands, with Associated Working Capital Fund	\$50,000,000
Activity 1b: Working Capital Fund (for Activity 1a Contracts)	\$100,000,000
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: <i>Grants</i> 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>	-

“...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.”

DOI Restoration and Resilience Framework: Goals and Keystone Initiatives (KIs)

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Goal 1: Resilient Islands

KI: Hawaiian Forest Bird Conservation

Goal 2: Resilient Coasts

KI: Rehabilitate and realign coastal salt marsh

Goal 3: Fire-Resilient Ecosystems

KI: Defend and grow the core in sagebrush system

Goal 4: Drought-Resilient Basins

KI: Build and expand drought resilience in the Klamath Basin

Goal 5: Resilient Freshwater Systems

KI: Gravel to Gravel: Restore salmon habitat in the Yukon

Goal 6: Conserve and Restore Cultural Heritage

KI: Restore and protect bison, birds, and bees (and other pollinators) in grasslands

Goal 7: Healthy Ecosystems for Healthy Communities

KI: Improve human and environmental health in Appalachia

Crosscutting National-level KIs

KI: National Early Detection and Rapid Response Framework

KI: National Seed Strategy

Fiscal Year 2022 and 2023 BIL – Activity 6 Investments



General Categories of Investments	FY 2022	FY 2023
National EDRR Framework	\$4,000,000	\$6,500,000
Tribe and Territory Place-Based Priorities	\$2,525,185	\$2,401,232
Bureau Place-Based Priorities	\$2,000,000	\$2,222,605
Hawaiian Forest Bird Conservation	\$7,592,000	\$900,000
Prevention Grant	\$1,852,550	-
<i>Total*</i>	<i>\$17,969,735</i>	<i>\$12,023,337</i>

*Estimates. Does not include costs for program administration and support services.

Fiscal Year 2022 BIL – Activity 6

→ Prevention

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Projects that advance strategic, ecologically-based, landscape-level prevention measures

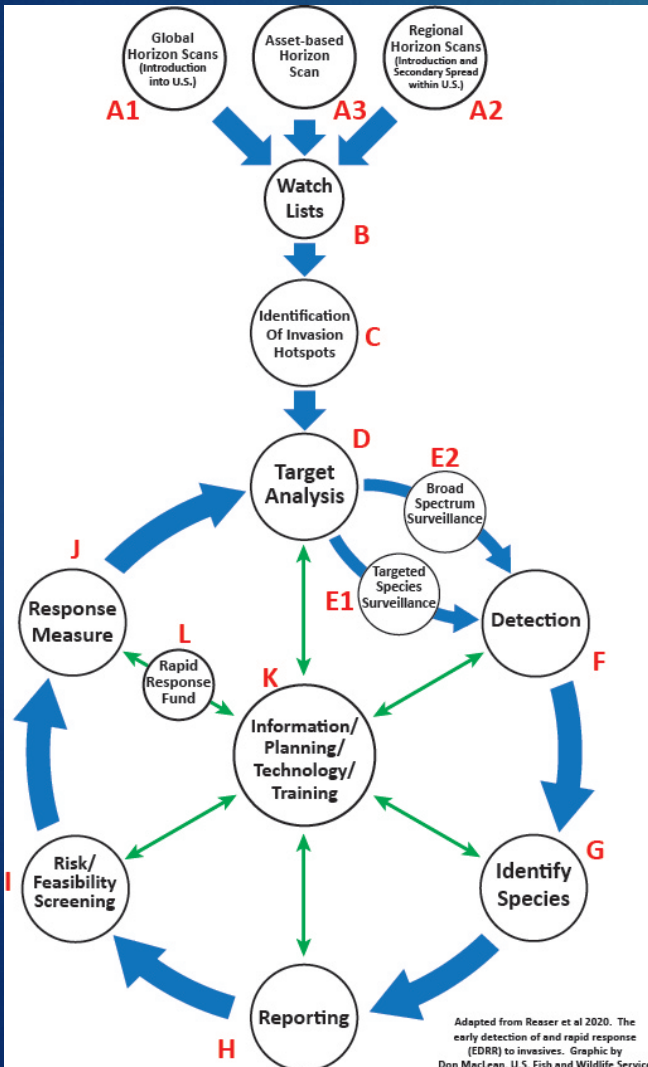
- ▶ An Action Plan to Mitigate the Risks of Aquatic Invasive Species Trade and Transport through Commerce (Conservation Collaborations LLC)
- ▶ Preventing the Introduction and Spread of Invasive Species through NAISMA's Strategic International Prevention Programs (North American Invasive Species Management Association)
- ▶ Rapid Deployment of Watercraft Cleaning Stations (Wildlife Forever)
- ▶ Strengthening the California Islands Biosecurity program to leverage outcomes for biosecurity on US Department of the Interior Islands (The Nature Conservancy)

Fiscal Year 2022/2023 BIL – Activity 6

→ National EDRR Framework



<https://geonarrative.usgs.gov/nationaledrrframework/>



FY22+ EDRR Framework Projects	FY23+ EDRR Framework Projects Planned (*) or Proposed
Horizon Scans & Hot Spot Analysis (A, B, C)	Targeted Early Detection Surveillance (D, E, F) Invasion Hotspots
Molecular detection @ points of entry (E, F, G)	Asset Based Protection
Resource Manager's eDNA Toolbox (D-G, K)	EDRR Molecular Lab Network (G) *Genetic Marker Development Processing Molecular Samples
Genetic Material Repository & Network (E, F, G)	
READI-Net: eDNA surveillance network (D-K)	Rapid Response (J, L) *Rapid Response Fund (Aquatic Invasive Species) DOI Interjurisdictional Rapid Response Team
INHABIT (terrestrial plant) advancements (K)	
NEDRRIS: National EDRR Information System (K)	

Partner Engagement Coordinator
 Kaylin Clements: kclements@contractor.usgs.gov

Next Steps

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- ▶ “3 in 3 for the WIN” - Implementation
- ▶ Species Specific Engagement
- ▶ Bipartisan Infrastructure Law – FY 2024-2026 planning and coordination



Thank you.

HILARY_SMITH@IOS.DOI.GOV

202-763-3118