

WATER RESOURCES DEVELOPMENT ACT: AQUATIC INVASIVE SPECIES

US Army Corps of Engineers

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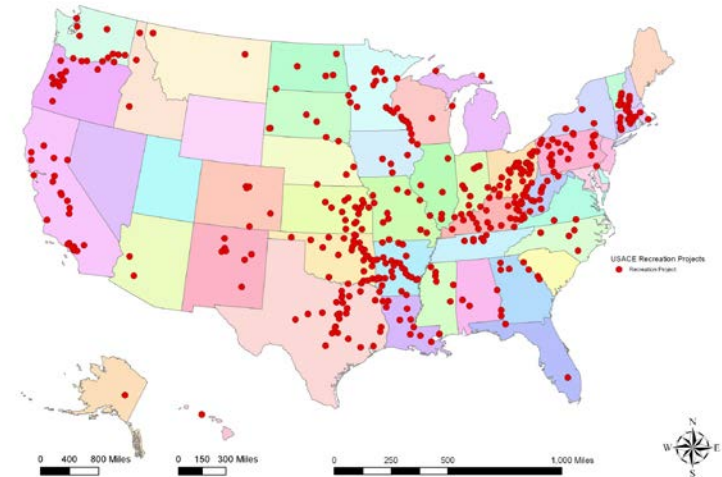
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USACE BACKGROUND:

Projects:

- 700 Civil Works Projects
- 12.5 Million acres federal lands
- 25,000 miles of Navigation Channels
- **90%** within **1 hour** of a metropolitan area
- Ecosystem restoration projects



Challenges:

- Demand to use our lands & waters
 - Recreation, Navigation, Water Supply, Hydropower Generation
- Fun filled fact we've been killing weeds since 1898

WATER RESOURCES DEVELOPMENT ACT (WRDA)

- Public laws enacted by Congress to deal with various aspects of water resources: environmental, structural, navigational, flood protection, hydrology, etc. Typically, the United States Army Corps of Engineers administers the bulk of the Act's requirements.
- America's Water Infrastructure Act of 2018 (WRDA 18) contained nearly 300 authorities or amendments.
- Prior to '76: Flood Control Act of 19__
Rivers and Harbors Act of 19__
- Generally, every 2 years. (eg. WRDA 14, WRDA 16)



AQUATIC PLANT CONTROL PROGRAM:

- Established in Rivers and Harbors Act of 1958
- Cost share and Research Capabilities
- Cost share largely unfunded since 1996
- ~ \$6-8M total funding
- WRDA 14 – changed language and broadened scope
 - Inspection Stations Columbia Basin
- WRDA 16 – Flowering Rush Control
- WRDA 18 – more basins added to the language
 - Authorized for up to \$110M/annually
 - \$12M in FY19



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WATER RESOURCES REFORM AND DEVELOPMENT ACT (WRDA) (2014, 2016, 2018)

(Public Law 113–121—June 10, 2014 , Sec. 1039. Invasive species)

- “(1) IN GENERAL
 - —In carrying out this section, the **Secretary may establish watercraft inspection stations in the Columbia River Basin to be located in the States of Idaho, Montana, Oregon, and Washington at locations**, as determined by the Secretary, with the highest likelihood of preventing the spread of aquatic invasive species at reservoirs operated and maintained by the Secretary.
- **December 2015:** FY 2016 Omnibus passes - \$4 million to establish watercraft inspections
- **January 2016:** USACE begins drafting implementation guidance
- **March 2016 :** IG completed
- **March 2017:** Letter Report completed

WATER RESOURCES REFORM AND DEVELOPMENT ACT (WRDA) (2014, 2016, 2018)

- **April 5 2017:** Watercraft Inspection Program Begins; PSMFC signs agreement to administer the **\$3.7 million** with the USACE (**Walla Walla**) on behalf of OR, ID, MT and WA. **Reimbursement 50%**
- **May 2017** The FY 17 federal budget included \$ 5 million for the CRB WRDA project -- It included “monitoring” (**\$ 1 million**) as an allowable expense.
- **July 2017:** Monitoring Cost Share Program Begins (**\$373,000**)
- **Oct 2018:** WI Stations to ‘protect the CRB, U. Missouri, S. Platte, U. Colorado



AFTER WRDA 18

(d) WATERCRAFT INSPECTION STATIONS

(1) IN GENERAL

(A) Watercraft inspection stations In carrying out this section, the [Secretary](#) shall establish (as applicable), operate, and maintain new or existing watercraft inspection stations—

(i) to protect the Columbia River [Basin](#);

(ii) to protect the Upper Missouri River [Basin](#); and

(iii) to protect the Upper Colorado River [Basin](#) and the South Platte and Arizona River [Basins](#).

(B) Locations

The [Secretary](#) shall establish watercraft inspection stations under subparagraph (A) at locations with the highest likelihood of preventing the spread of aquatic invasive species at reservoirs operated and maintained by the [Secretary](#), as determined by the [Secretary](#) in consultation with [States](#) within the areas described in subparagraph (A).

(C) Rapid response

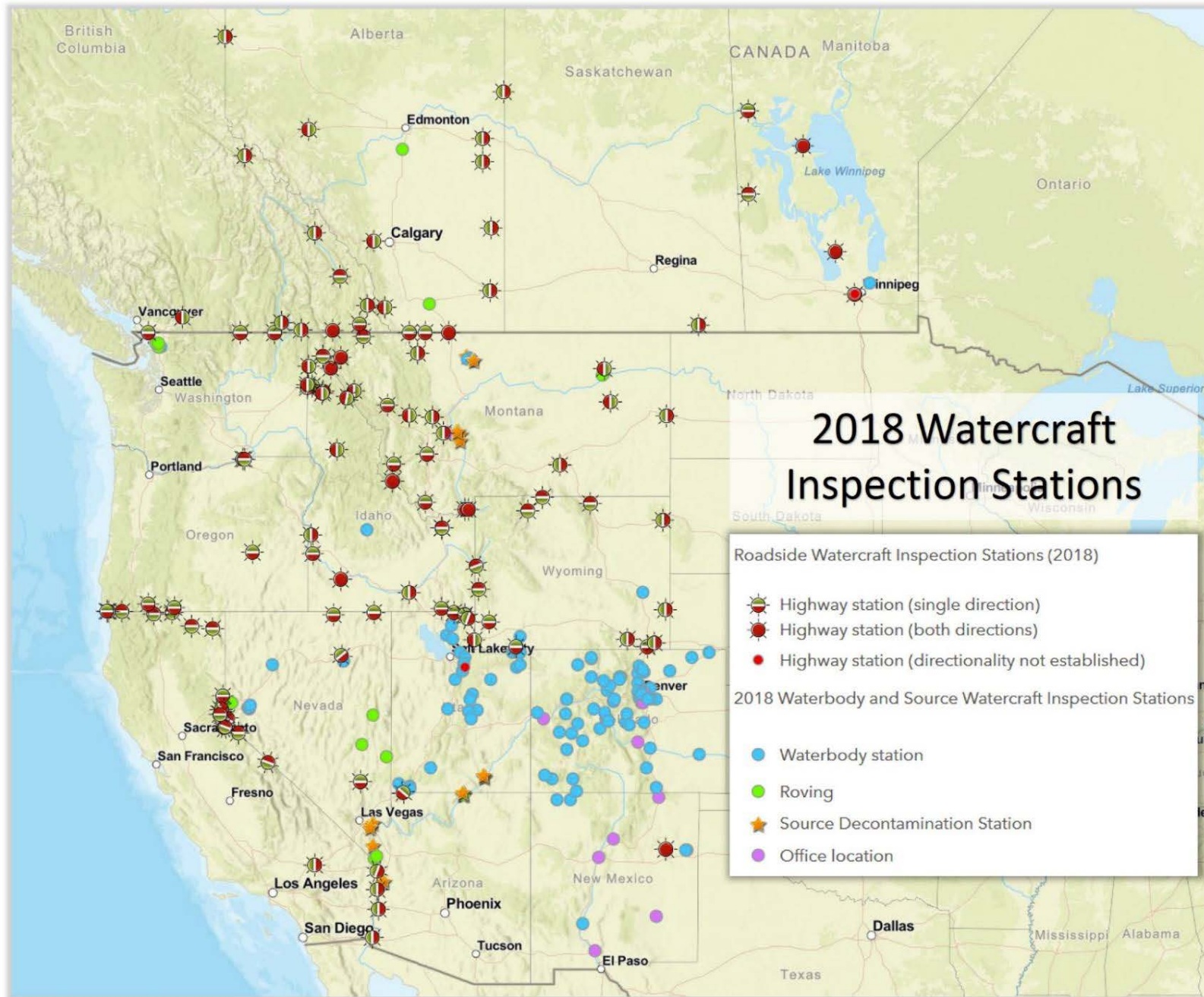
The [Secretary](#) shall assist [States](#) within the areas described in subparagraph (A) with rapid response to any aquatic invasive species, including quagga or zebra mussel, infestation.



WATER RESOURCES REFORM AND DEVELOPMENT ACT (WRDA) (2014, 2016, 2018)

- **September 2018:** First FY 2019 Appropriations Minibus, including “WRDA” funds, Signed Into Law: \$ 1 Million Flowering Rush, \$5 Million Watercraft Inspection and
 - \$1 million Monitoring
- **January 2019:**
Watercraft Inspection program agreement(\$4.8 M)
- **February 2019:**
Monitoring agreement (\$719,983)
- **January 2020:**
Watercraft Inspection program agreement (\$5 M)
- **February 2020**
Monitoring agreement (about \$700k)





IMPLEMENTATION

- Corps Established an Agreement with PSMFC.
 - Annual Statements of Work (SOW) identify the expected work and budgets.
 - 50% / 50% cost share on a reimbursement basis.
 - WID and Monitoring as separate SOW.
 - Monthly Reimbursements.



GEOGRAPHIC EXPANSION

Letter Report for each basin.

Upper Colorado: Albuquerque District

Upper Missouri: Omaha District

South Platte: Omaha District

- Includes WID, monitoring, and Rapid Response

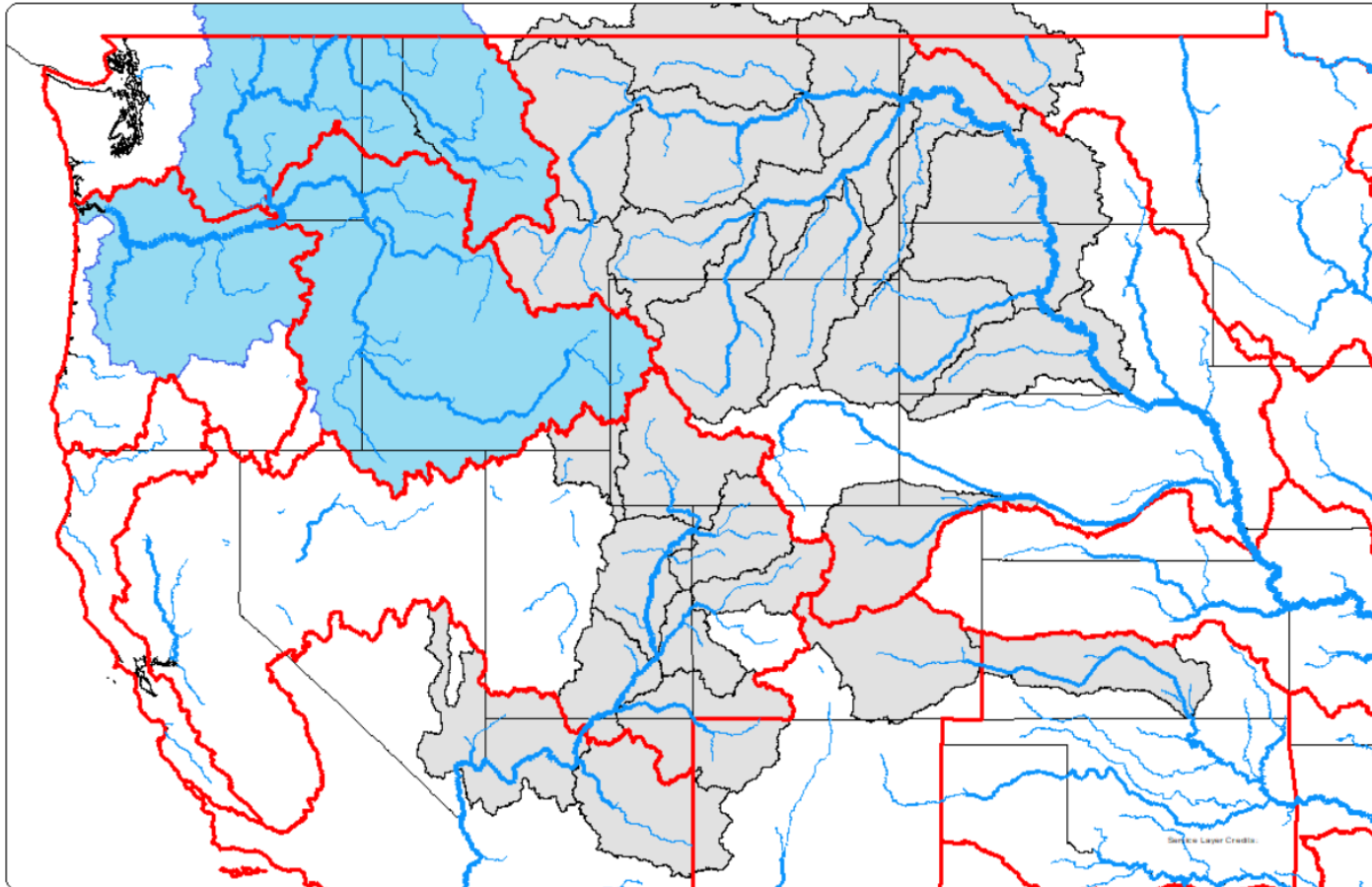
Overall report summarizing the Letter Reports, discussing common elements, work processes, coordination among the states and basins.

Expected Completion 30 Sept.


FY2020 Appropriation \$15 (CRB about \$6.5m in 2020)



GEOGRAPHIC EXPANSION



Watercraft Inspection Geographic Expansion

 US Army Corps of Engineers
Walla Walla District



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RAPID RESPONSE

- Assist with purchase of equipment, training, and exercises.
- NEPA Completed
- ESA: In consultation (framework programmatic).
- Agreement Drafted
 - Allowed SOW to include incurred expenses
 - Held up for months in legal review – partially cleared
 - Concern WI Letter Report did not approve control actions. - Not resolved.



FLOWERING RUSH

- Aquatic Plant Control Program established in Rivers and Harbors Act of 1958
- Cost share largely unfunded since 1996 - ?
- Letter Report approved by Director of Civil Works.
 - Federal Interest
 - Cost Effective
 - Cost Efficient
 - Roles of Parties
- Local Cooperative Agreement with PSMFC
 - Annual Agreements (Walla Walla Commander)



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QUESTIONS, COMMENTS, CONCERNS, ETC



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File Name



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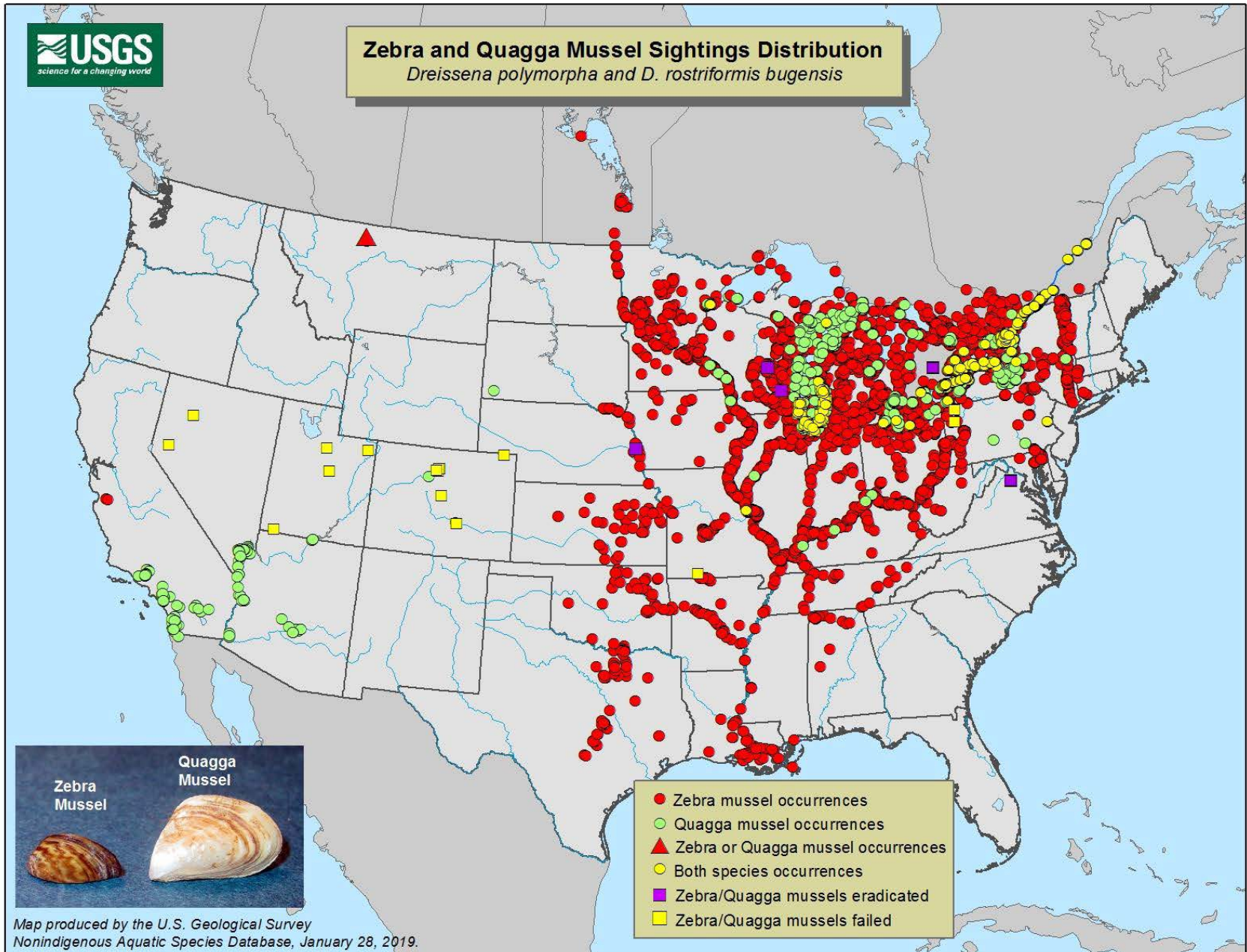


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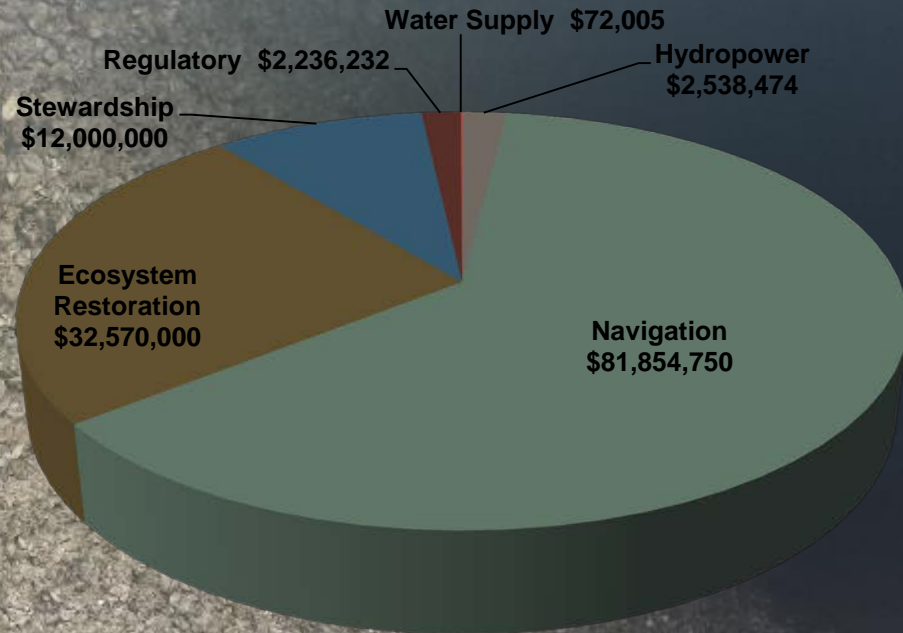
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SO WHAT – OPERATIONAL IMPACTS AT USACE

**USACE Invasive Species Spending by Business Line
FY17 Estimates**



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