

# AQUATIC INVASIVE SPECIES

## CORPS COST SHARE PROJECTS

US Army Corps of Engineers

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*"The views, opinions and findings contained in this report are those of the authors(s) and should not be construed as an official Department of the Army position, policy or decision, unless so designated by other official documentation."*



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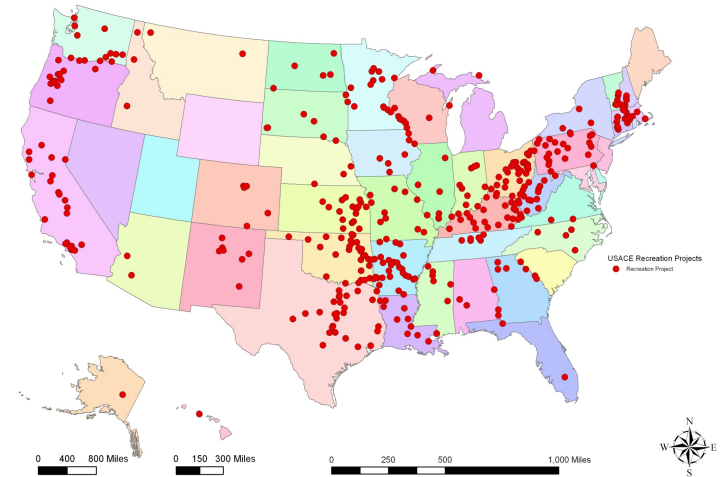


# USACE BACKGROUND:

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## 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



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# WATER RESOURCES DEVELOPMENT ACT (WRDA)

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- 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)



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# AQUATIC PLANT CONTROL PROGRAM:

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- 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)

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(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



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# 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.

\*Of total costs (Federal + State costs), not a 50% reimbursement of the state's costs. Only implementation is cost shared. Letter Reports/ Environmental Compliance 100% Federal.



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

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- **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**)



# 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 (\$720k)
- **January 2020:**  
Watercraft Inspection program agreement (\$5 M)
- **February 2020**  
Monitoring agreement (\$721k)



# 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.



# RAPID RESPONSE

- Assist with purchase of equipment, training, exercises, or eradication efforts.
- NEPA Completed
- ESA: Framework programmatic consultation in progress w/ NOAA. FWS: no progress. Can use emergency process if necessary.
- Final Approvals seems close (again)
  - Allows incurred expenses from detection (if eventually approved)
  - Start putting SOW together.



## CRB EXPANSION: NV & WY

- Amending 2017 Letter Report / EA
  - Covers WID, Monitoring, and Rapid Response
  - That protect the CRB.
- Needs approval at HQ
- In review at NW Division.
- Once approved, PSMFC & NWW sign amendment to cost share agreement.
- Then implemented as the other CRB four states.



# 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 May 2021.

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





# FLOWERING RUSH

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



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# FLOWERING RUSH

- Letter Report/EA reviews complete.
- Awaiting final approval by NW Division Commander

## Next steps:

- Meeting w/states on Friday
- Sign Cost Share Agreement
- Receive Annual Work Plan
  - ESA/NEPA compliance
- Finalize Annual Work Plans / obligate funds
- Annual Agreements



# QUESTIONS, COMMENTS, CONCERNS, ETC

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File Name



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# WHERE WE ARE — U.S. ARMY CORPS OF ENGINEERS



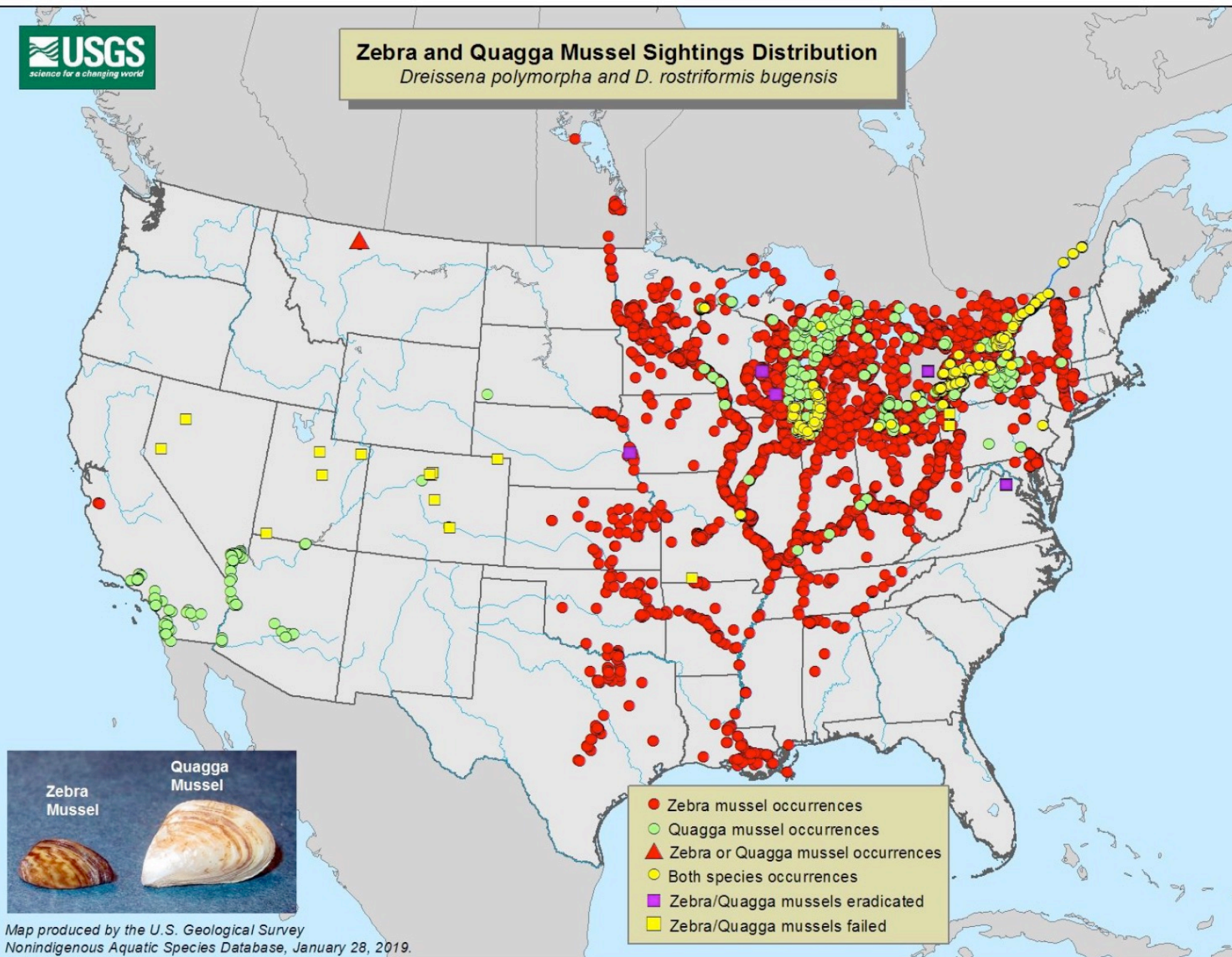
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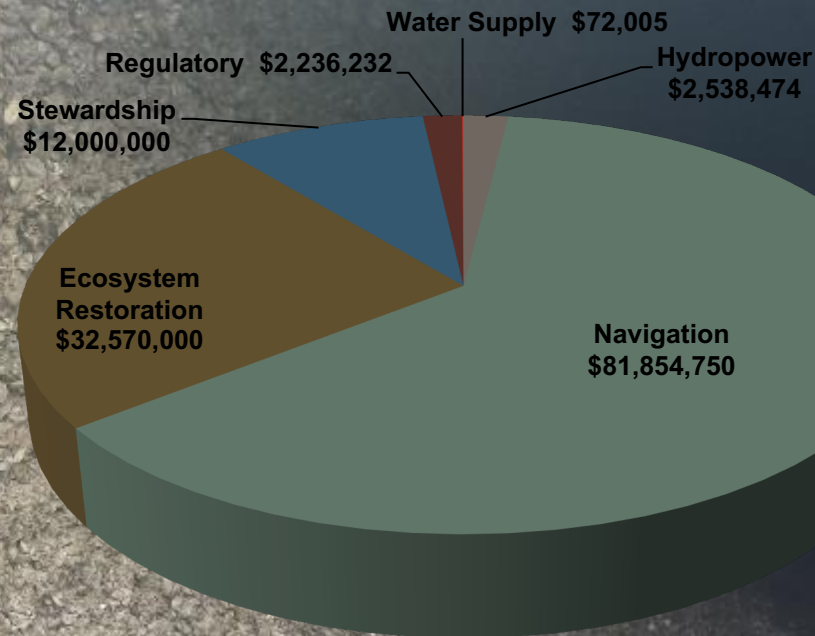
## Zebra and Quagga Mussel Sightings Distribution

*Dreissena polymorpha* and *D. rostriformis bugensis*



# SO WHAT – OPERATIONAL IMPACTS AT USACE

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



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