

DREISSENID RAPID RESPONSE AND PREPAREDNESS

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February 22, 2014

**Columbia River Basin Interagency
Invasive Species Response Plan:
Zebra Mussels and Other Dreissenid Species**



**Columbia River Basin Team, 100th Meridian Initiative
February 22, 2014**

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Signature Page

 State of Idaho (Date) October 3, 2008	 State of Montana (Date) October 3, 2008
 State of Oregon (Date) October 3, 2008	 State of Washington (Date) October 3, 2008
 NOAA Fisheries (Date) October 3, 2008	 USDOT Fish and Wildlife Service (Date) October 3, 2008
 Columbia River Inter-Tribal Fish Commission (Date) October 3, 2008	 Province of British Columbia (Date) October 3, 2008

As signatories, the above parties agree to implement this plan as appropriate consistent with each signatory's laws, policies, and authorities in the event that zebra mussels or other dreissenid species are detected in Columbia River Basin waters.

- Developed in 2007
- Amended in 2014 & 2017
- Revised in 2019

Rapid Response Plan for Collaborative Action

Emergency management methods –verify, notifications, delineation, prevent spread, control / response options. Basin partner signatories.

COLUMBIA RIVER BASIN DREISSENIID INCIDENT RESPONSE TOOLKIT

A resource to facilitate a response to an introduction of dreissenids in the Columbia River Basin



Introduction

Since their introduction to the Great Lakes region of North America in the 1980s, invasive dreissenid mussels (zebra mussels (*Dreissena polymorpha*) and quagga mussels (*Dreissena rostriformis bugensis*)) have expanded their distribution



Toolkit Purpose

This toolkit provides resource managers with the tools and information to effectively implement a response to a dreissenid introduction. The toolkit includes information on Columbia River Basin geography, native dreissenid



Consequences of No Action

This toolkit has been prepared to facilitate a rapid response to an introduction of dreissenids. The anticipated consequences of taking no action would include long-

dreissenid preparedness = understanding permissions

- ESA Consultation with USFWS
- ESA Consultation with NOAA/NMFS
- Understanding the Federal nexus in response



Graphic credit: L. DeBruyckere

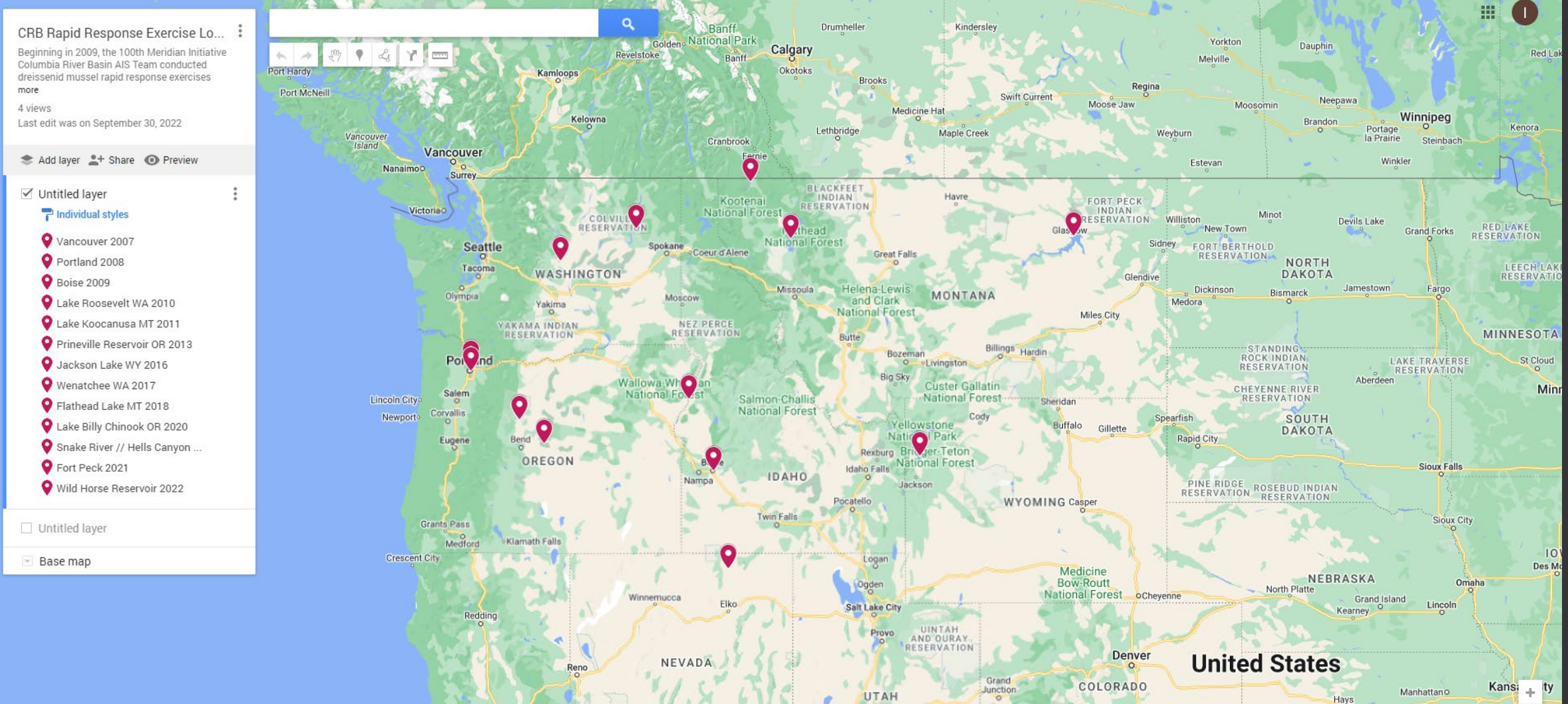


Table-Top Exercises for Increased Preparedness

Multi-jurisdictions exercises to better understand roles, responsibilities and actions when faced with dreissenid discovery.

Realistic scenario driven



Wildhorse Reservoir, NV / October 2022

Nevada Depart. Of Wildlife

Shoshone Paiute Tribe



Image: Google Maps

Keyhole Reservoir, WY May 2023

Virtual Primer

Wyoming Game and Fish, Wyoming State Parks



Lake Sakakawea, ND / April 2023

North Dakota Fish and Game

US Army Corps of Engineers



Understanding chemical control



Photo: nps.gov

Yellowstone October 2023

National Park Service



Where to next?

Resources



- Westernais.org
 - Original CRB Rapid Response Plan document
 - Past exercises
 - After action reports
- CRBDirt.com
 - New improved interface for dreissenid rapid response
- FEMA Trainings
 - IC-100
 - IC-700
 - <https://training.fema.gov/emi.aspx>
- APHIS Trainings
 - <https://aphis.usda.gov/aphis/ourfocus/animalhealth/training-and-development>
- Emergency Management Services International
<http://www.emsics.com/>

Queries on rapid response resources

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