



1. 100th Meridian Initiative

2. Dreissenid Rapid Response Planning in the Columbia River Basin

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Stephen Phillips
Program Manager
Pacific States Marine Fisheries Commission

Authorized by Congress in 1947, the Pacific States Marine Fisheries Commission (PSMFC) is one of three interstate commissions dedicated to resolving fishery issues. Member States:

California, Oregon, Washington, Idaho, and Alaska

Aquatic Nuisance Species Program Since 1999

Concern: ANS IMPACTS to FISH and FISH HABITAT

Primary Program Species: Quagga/Zebra, Green Crab, Atlantic salmon, mitten crab, tunicate, New Zealand mudsnail, nutria, milfoil, flying carp



The Initiative, authorized by federal legislation, has the following goals:

- 1) Prevent the spread of zebra mussels and other aquatic nuisance species in the 100th meridian jurisdictions and west;
- 2) Monitor and control zebra mussels and other aquatic nuisance species if detected in these areas.

<http://100thmeridian.org/>



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| <ul style="list-style-type: none"> U.S. Fish and Wildlife Service Oregon Dept. of Fish and Wildlife National Park Service U.S. Army Corps of Engineers MT Fish Wildlife and Parks University of Texas at Arlington Washington Department of Fish and Wildlife Pacific States Marine Fisheries Commission Water Quality Management, Manitoba Conservation Portland State University Saskatchewan Environment and Resource Management, Fish and Wildlife Br. Arizona Game & Fish North Dakota Game and Fish Nebraska Game and Parks Commission | <ul style="list-style-type: none"> Kansas Department of Wildlife and Parks Glen Canyon NRA US Coast Guard Auxiliary Utah Div. of Wildlife Resources Florida Caribbean Science Center Oklahoma Dept of Wildlife Conserv. Oklahoma Fishery Res. Lab. US Fish & Wildlife Service Oklahoma DWC Department California Department of Water Resources Southern Nevada Water Authority Nevada Division of Wildlife Oregon Bass & Panfish Club MANY OTHERS NOT LISTED |
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The Initiative's River Basin Teams

- Columbia River Team
- Colorado River Team
- Missouri River Team
- Arkansas River Action Team



- ANS Regional Coordination
- Teams Help Develop Project Priorities
- Project Funds Provided by USFWS/Matched
 - BPA
 - NOAA
 - CRB States
- \$\$'s Dispersed to State Agencies/Universities/Others

PSMFC Project Management and Team Administration



WHAT IS BEING DONE TO REDUCE THE RISK OF SPREAD?

Current Priorities

- **Prevention Focus - Education**
 - boater/angler/marina outreach
 - watercraft inspection/decontamination training
- **Early Detection**
 - Monitoring programs coordination – PSU, IDFG, IDOA, WDFW, MTFWP, USGS, CDFG, etc. etc.
 - Monitoring committee
- **Rapid Response Planning**

Bill Zook (WDFW, retired) -- OUTREACH BIOLOGIST --
Columbia and Missouri River Marinas



WATERCRAFT INSPECTION TRAINING

Coordinators: Bill Zook/Wen Baldwin

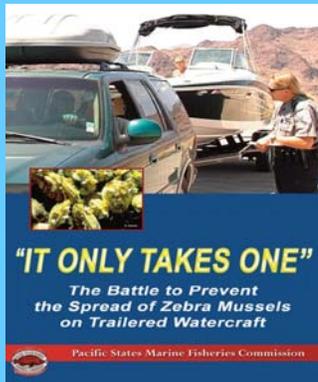
2007 Trainings: AZ,UT,MO,AK,NV,CO, WA, OR and 8 in California and many more are likely



WATERCRAFT INSPECTION AND DECONTAMINATION TRAINING (WIT)

Objective:

Provide training for boating law enforcement personnel that will give them the tools necessary to successfully intercept, inspect, identify, contain and decontaminate trailered watercraft suspected of carrying zebra mussels



Coordinated Monitoring Network and Lab



100th Meridian Initiative – Lead Role in RR Planning:

*Columbia River Basin
Rapid Response Plan for Zebra Mussels
and other Dreissena Species*

A Comprehensive Multi-Agency Strategy to
Expediently Guide Rapid Response Activities

Columbia River Basin Team

**Columbia River Basin Rapid Response Plan for
Zebra Mussels and other *Dreissena* species**

Scope and Purpose

- Goal is to maximize delineation and control
- Serves as a roadmap to actively guide response activities
- Operational, not strategic

<http://100thmeridian.org/ColumbiaRT.asp>



**Elements of the Columbia Basin
Dreissena Response Plan**

Rapid Response Activities
(these are not sequential)

- Verify Reported Detection
- Make Initial Notifications
- Define Initial Extent of Colonization



**Elements of the Columbia Basin
Dreissena Response Plan (cont.)**

- Set up Intergovernmental Rapid Response Team
 - Use of Incident Command System?
- Establish External Communications System
- Organize Resources



**Elements of the Columbia Basin
Dreissena Response Plan**

Rapid Response Activities (cont.)

- Prevent further spread through pathway management
- Initiate available/relevant control measures
- Long-term monitoring
- Evaluation of response and plan

**Elements of the Columbia Basin
Dreissena Response Plan**

Appendices

Over 10 supporting documents, including:

- Notification Lists/Procedures
- Matrix of Eradication and Control Options and Associated Regulatory Compliance Factors (Sutherland)
- Bonneville Hydroelectric Project Response Plan (Athearn/Darland)
- Response Strategies for Lower Columbia Basin hydropower fish facilities (Kovalchuk)

Rapid Response Planning Issues

- Need to continue building preparedness among and within agencies (i.e., strategic plan)
- Letter of Agreement to clarify roles and secure commitments (Soon)
- Set Up an Interagency Response Management Team (# of Agencies in the CRB 400? More?)
- Advance regulatory review/permit materials
- Develop scenarios
- "Table-top" exercise to evaluate gaps
- Emergency response funding sources

THANK YOU

Stephen_phillips@psnrf.org

website: aquaticnuisance.org

Live zebra mussels, a nuisance invasive species, were discovered in Lake Mead on Saturday, January 6, by a Las Vegas Boat Harbor marina employee. The alert marina employee found a suspected live zebra mussel on a cable anchoring the breakwater and immediately notified NPS zebra mussel monitoring program volunteer, Wen Baldwin..... [actually quagga mussels]