

International Conference on Aquatic Invasive Species October 22-26, 2017

Watercraft Inspection and Decontamination
Programs In the Western United States

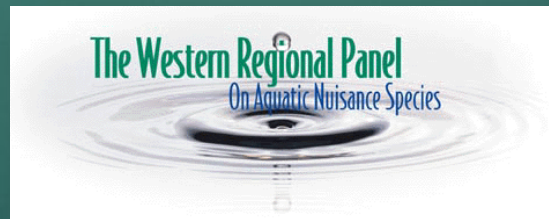


Presented By “Quagga D” Davis

Funded By



In Cooperation With



Highest Risk Vector - Trailered Watercrafts

Implemented in early 2000's

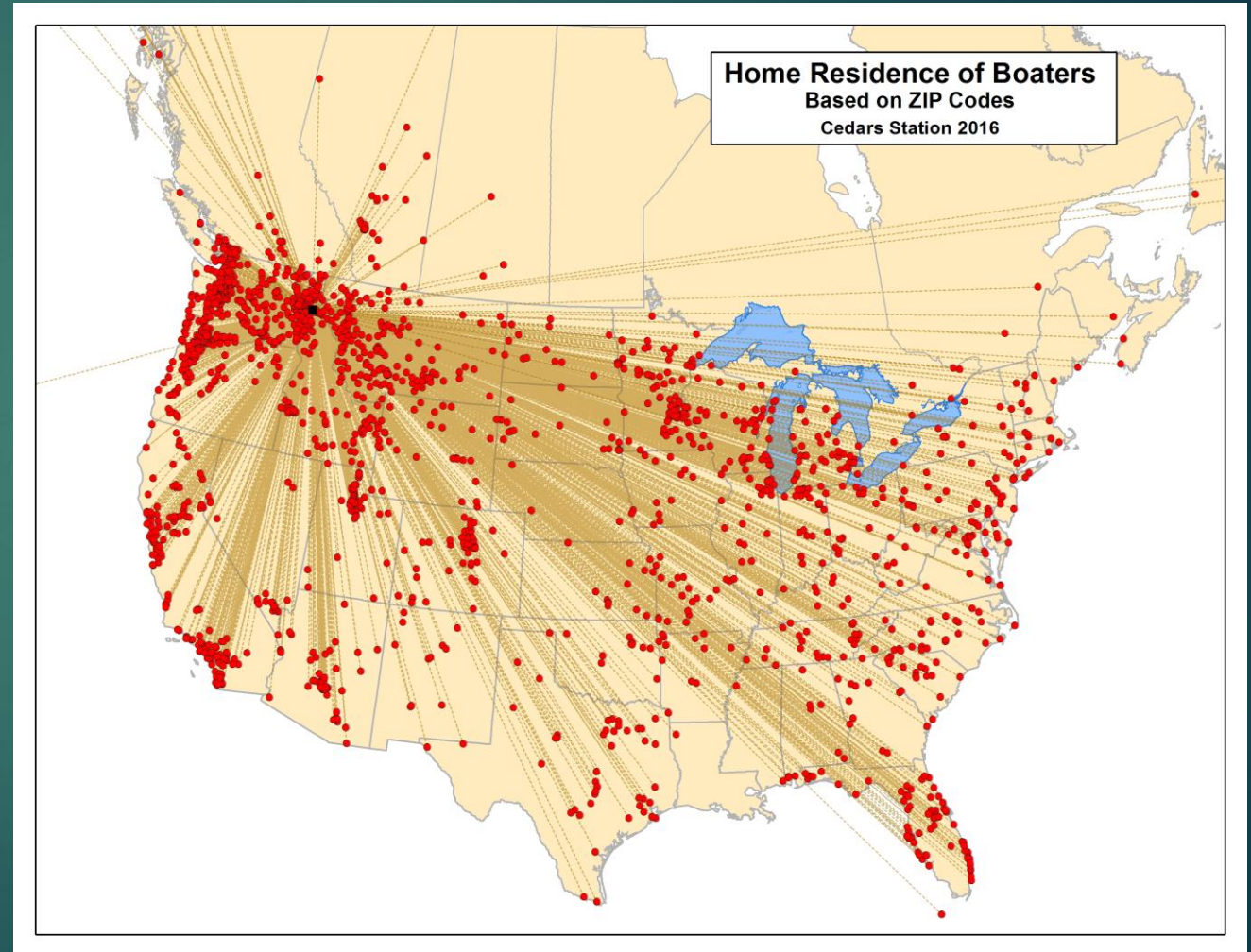
Lake Mead Quagga in 2007

Idaho

Over 300,000 Inspections

164 mussel fouled boats

2016 Inspections – 89,390



WIT/WID Objective

Course designed for those who are implementing Watercraft Inspection and/or Decontamination programs for their respective agencies, organizations or businesses.



WIT I – Inspection

WIT II – Inspection/Decontamination

WIT III – Trainer

Purpose of Curriculum

To provide Procedures which have been **proven** to reduce the spread of AIS through a risk-based prevention and containment program.



Student Training Curriculum for Watercraft
Inspectors and Decontaminators
to Prevent and Contain the Spread of
Aquatic Invasive Species in the U.S.A.



Version 2 – Updated February 1, 2016



Training Components

Student Curriculum

Introduction and Western AIS Programs

Purpose

Zebra/Quagga and Other AIS **Biology**

Life Cycle and Vectors

Watercraft Anatomy and **Risk Assessment**

Identify low/high risk vessels

Inspection Procedures

NO Mud, Plant, Animals or Water

Decontamination Procedures

KILL and Remove



WIT I

Watercraft Inspection Training

WIT I – Inspector

Entrance/Exit Inspections
Prevention/Containment
HIGH Risk Inspections
Step By Step Procedures

How to inspect and why we
Need to educate boaters on



Clean, Drain & Dry!!

WIT/WID II

Watercraft Inspection and Decontamination Training

Delivered over 2 days:

Focus on Actual Inspections and Decontaminations on various types of vessels.



What Does Decon Consist Of?

Hot Water to Kill

Low pressure to **flush**

High **pressure** to remove

Based on **Scientific** Research

140°F rinse for 10 seconds
kills adult mussels

Morse, 2009

95°F kills veligers

Craft and Myrick, 2011



WIT III Trainer Training

Provides **consistent** guidance to trainers who are responsible for the individuals performing inspections and decontaminations

Trainer's Manual for AIS Watercraft Inspection and Decontamination Certification Courses



Version 2 - February 1, 2016



The Western Regional Panel
For Aquatic Nuisance Species



100th Meridian Initiative
Help us stop the spread of Aquatic Nuisance Species

Education and Outreach

Education and **Outreach** is the **MOST** important thing to provide to the boating public.

Each inspection is an opportunity to educate the boater and **change behavior** by teaching them!



Before you transport your boat or equipment

Quality Assurance

Ensure **consistency** of WID Protocols across jurisdictions

Provide **support** to field stations

Secret Shopper **Evaluations**

On the Job **Training**

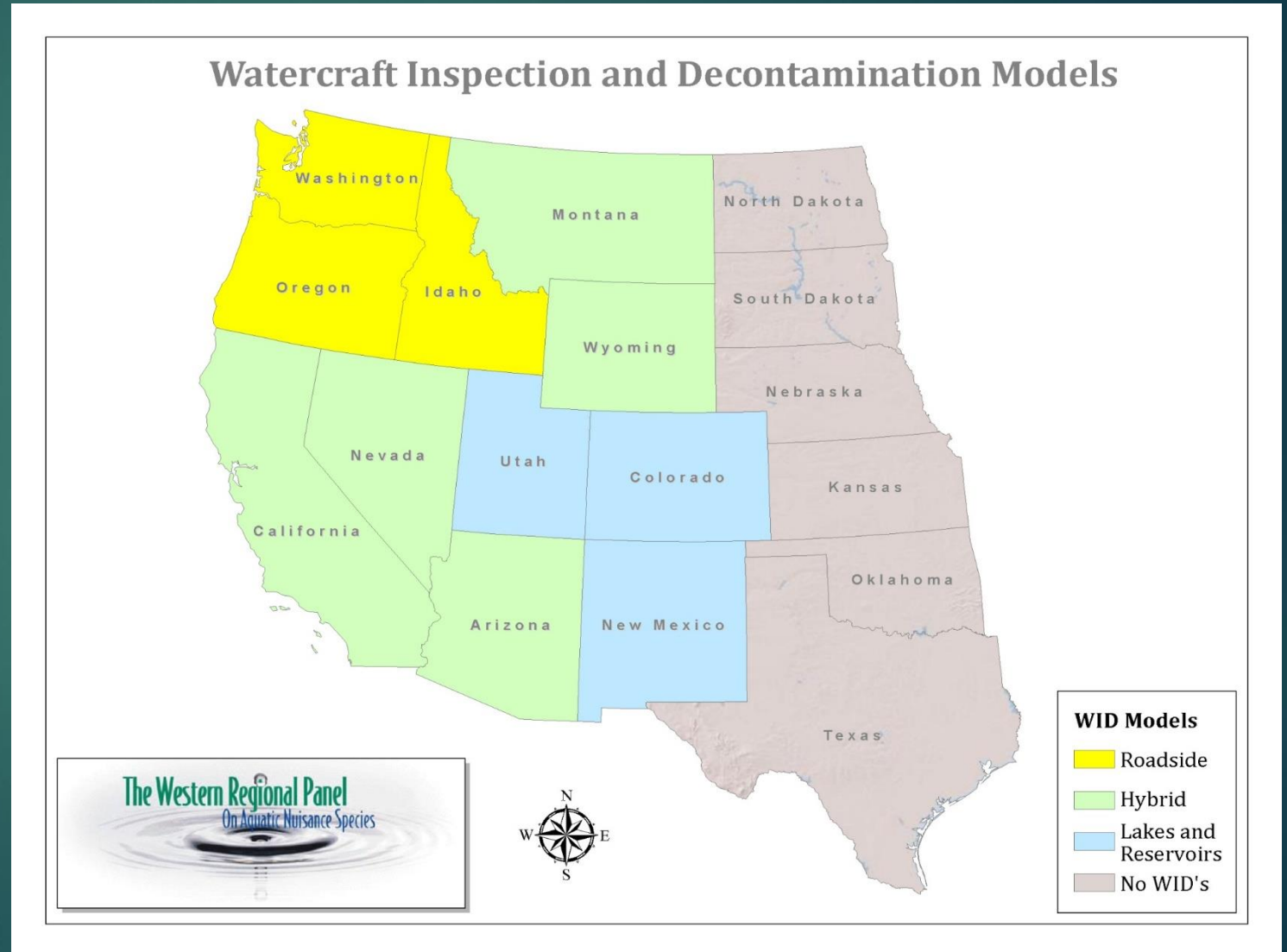
Customer Service Evaluations



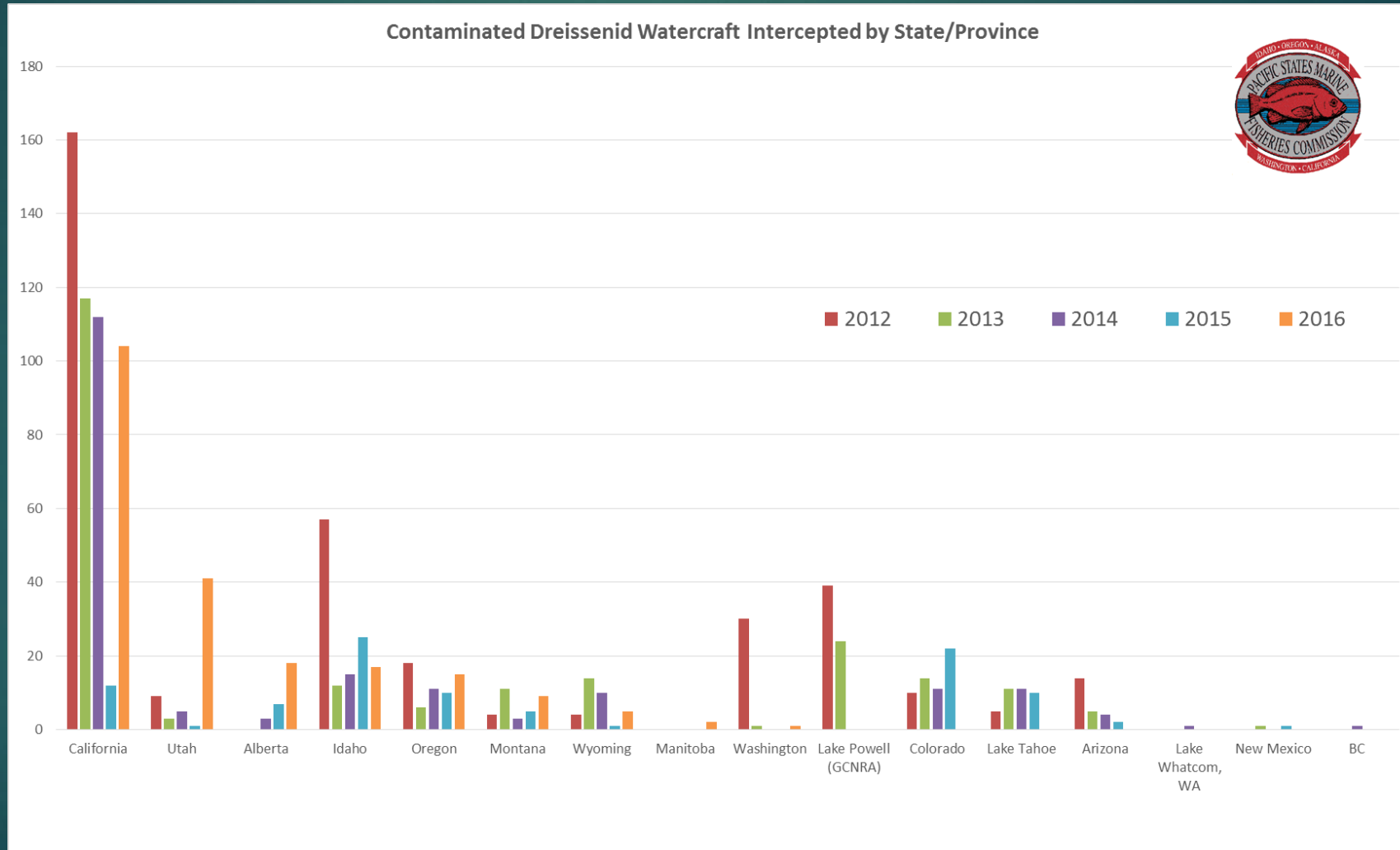
Watercraft Inspection Models

Port of Entry
Roving
Highway
Ramp-side

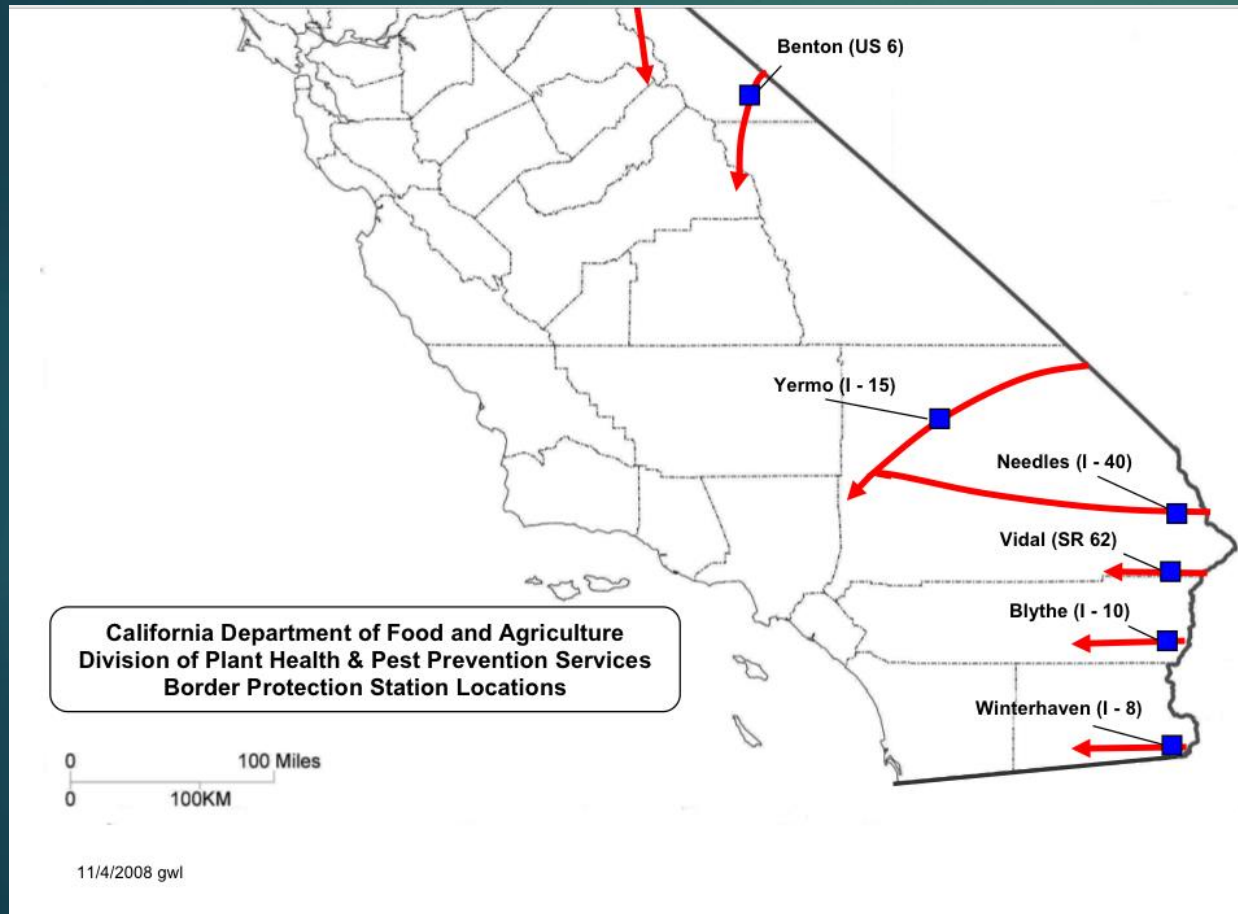
Seasonal
Temporary
Permanent



2012 – 2016 Western States Intercepted Watercrafts



CA Food & Agriculture Border Inspection Stations



Vidal Junction

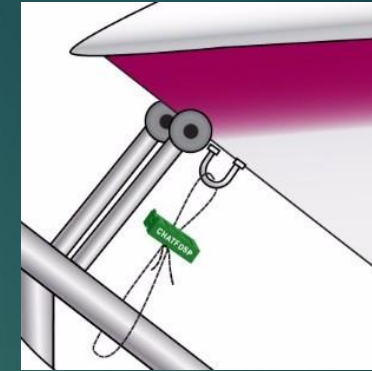
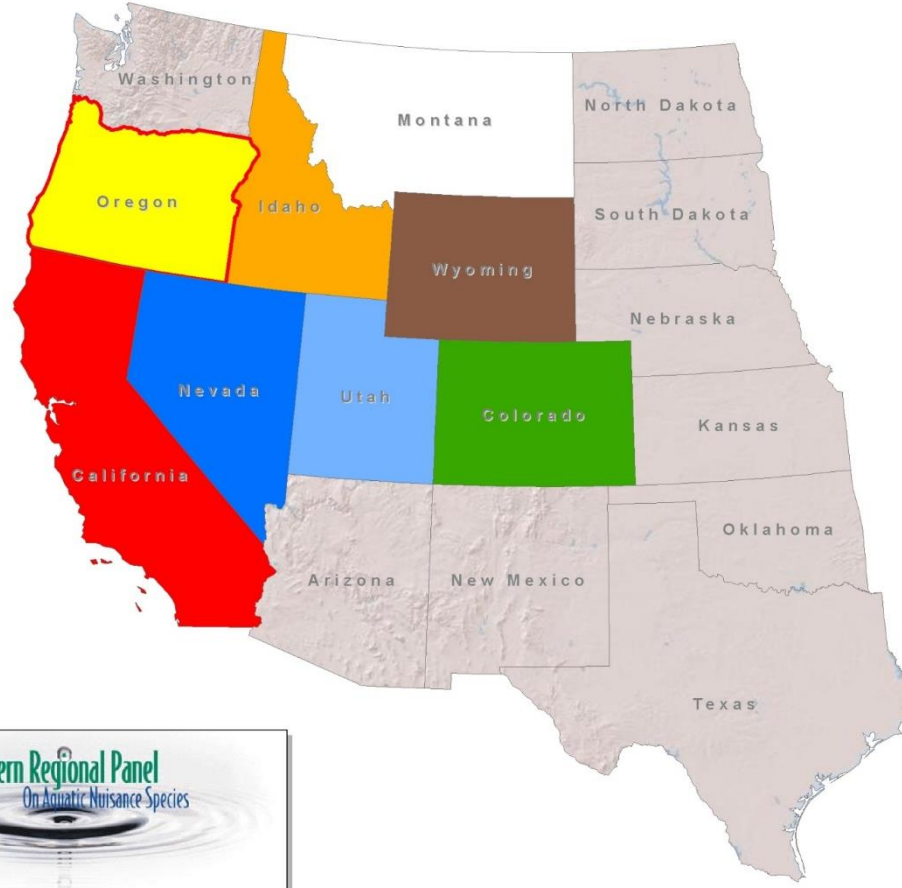
Jan 2010 – Nov 2016

973 in 72 months
- over 13 p/month

74% Fouling was in the
Anchor Locker on the
Anchor / Line / Chain

Seals and Receipts

Watercraft Inspection and Decontamination Seals



Seals the boat to the trailer

Verifies boat hasn't launched

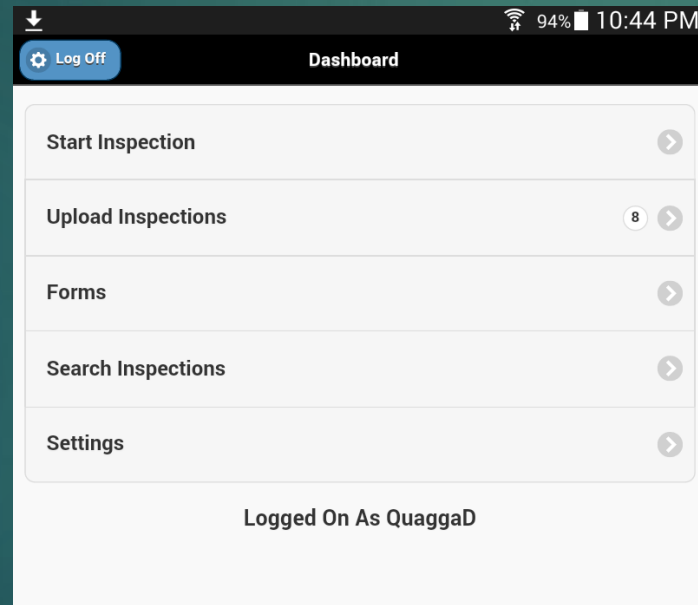
Receipt explains what type of Inspection or Decontamination



Western States Data Sharing

Colorado implemented boater movement

Information in “real time”



www.watercraftinspection.org

Additional Resources

UPMS III – Uniform Minimum Protocols and Standards

Colorado's **Boat Compendium** for ANS Inspectors

Lake Tahoe's Boat Book for Inspectors

Videos –

Boat Inspection

Decontamination

Decon Units

Sample Collections

Plant Decontamination

www.westernAIS.org



Aquatic Invasive Species Network
A collaboration to prevent the introduction and spread of aquatic invasive species

Home Coordination Outreach News Pathways Rapid Response Regulations Training Research

Level I Inspector Training
Level II Inspector and Decontaminator Training
Level III Trainer Training
Hosting Training
Continuing Education
Trainers
Inspection and Decontamination
Watercraft Inspection and Decontamination Resources

Watercraft and Equipment Inspection and Decontamination Resources

Check out some of the latest information about moving a boat here: <http://www.westernais.org/moving-a-boat>

Tahoe Boat Inspections: *Watercraft Reference Book (The Boat Book)* (TRPA/TRCD 2016)
Voluntary Guidelines to Prevent the Introduction and Spread of Aquatic Invasive Species: *Recreational Activities* (ANSTF 2013)
State of Wyoming Aquatic Invasive Species *Watercraft Inspection Manual* (WYDFG 2016)

Upcoming Classes



Advanced Decontamination NEW

November 14-15, 2017

WIT II 2018 classes on website – upcoming classes

3 WIT II Lake Mead

3 WIT – California – not yet on website –

2/21 – 2/22 Lake Lopez, San Louis Obispo

3/21 – 3/22 Lake Berryessa, Sacramento

5/9 – 5/10 Castaic Lake, LA County Parks

<http://www.westernais.org/level-ii-upcoming-classes>

Questions??



LAKE MEAD QUAGGA UPDATES



LAKE MEAD QUAGGA

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WATERCRAFT INSPECTION TRAINING PROGRAM

[HTTP://WWW.WESTERNAIS.ORG/](http://www.westernais.org/)

SEE TRAINING TAB