

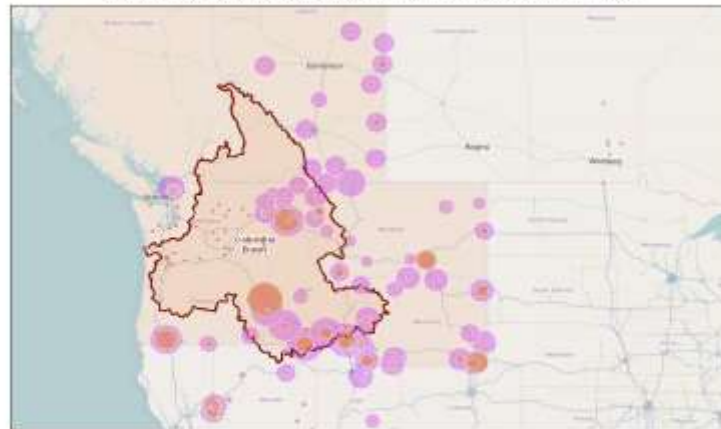
Dreissenid Mussel Prevention Across the Pacific Northwest

19th International Conference on Aquatic Invasive Species

Stephen Phillips, PSMFC



2015 Regional Watercraft Inspection & Decontamination Planning



May 25, 2015
PSMFC Region States & Provinces
Columbia River Boundary

1:50,000,000
0 200 400 600 mi
0 200 400 km
Scale: 1:50,000,000 (1:50M)

2015 Regional Watercraft Inspection & Decontamination Planning
Maplewood, Oregon
2015 Regional Watercraft Inspection & Decontamination Planning
Maplewood, Oregon



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

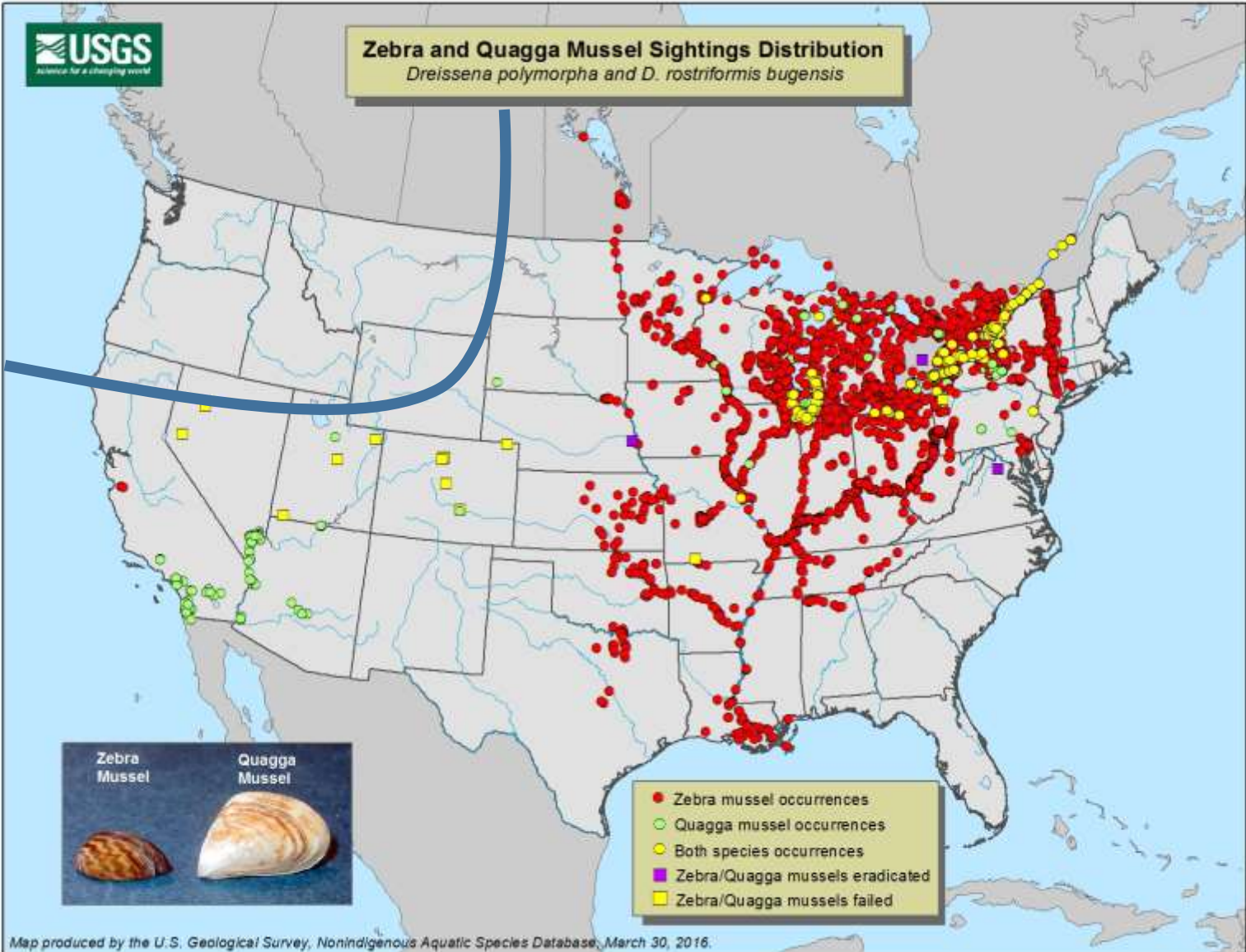
Aquatic Invasive Species Program Since 1999

Main Species of Concern: Zebra and Quagga Mussels

Contractors: Lisa A. DeBruyckere, Debra Davis, and Leah Elwell;
GIS/Database Manager: Van Hare



Good news is that the Pacific Northwest States are dreissenid free



#1 DRESSSENID VECTOR: WATERCRAFT



Decon by NDOW staff at Lake Mead NRA

Photo Credit K. Vargas, NDOW

Pacific Northwest Dreissenid Prevention = Watercraft Inspection Stations

- **YES !!!! Boater AIS Education/Outreach critical element !!!!! (but will not be discussed here)**
- **Most funding for NW WIS is State \$\$\$\$ (e.g. The 4 CRB states combined spend ~ \$2.5 million/yr on watercraft interception programs)**



Samuels, Idaho



Ashland, Oregon

PSMFC REGIONAL WATERCRAFT INSPECTION STATION DATABASE

Since 2012

The total # of boats inspected at each WID stations in 2015

The total # of boats that were considered 'high risk' in 2015

The total # of adult dreissenid fouled boats intercepted in 2015

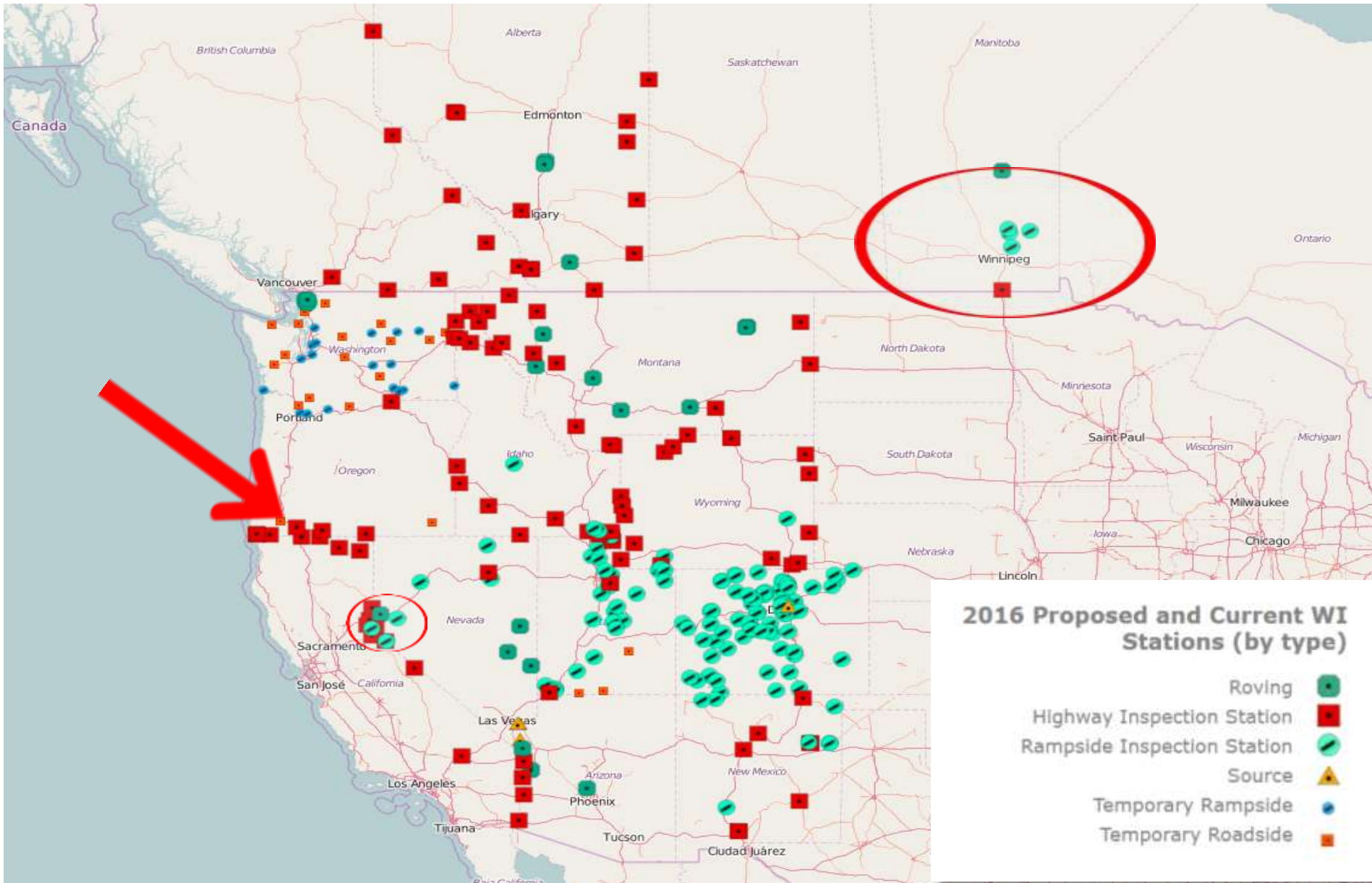
The origin and destination of the fouled boats that were intercepted

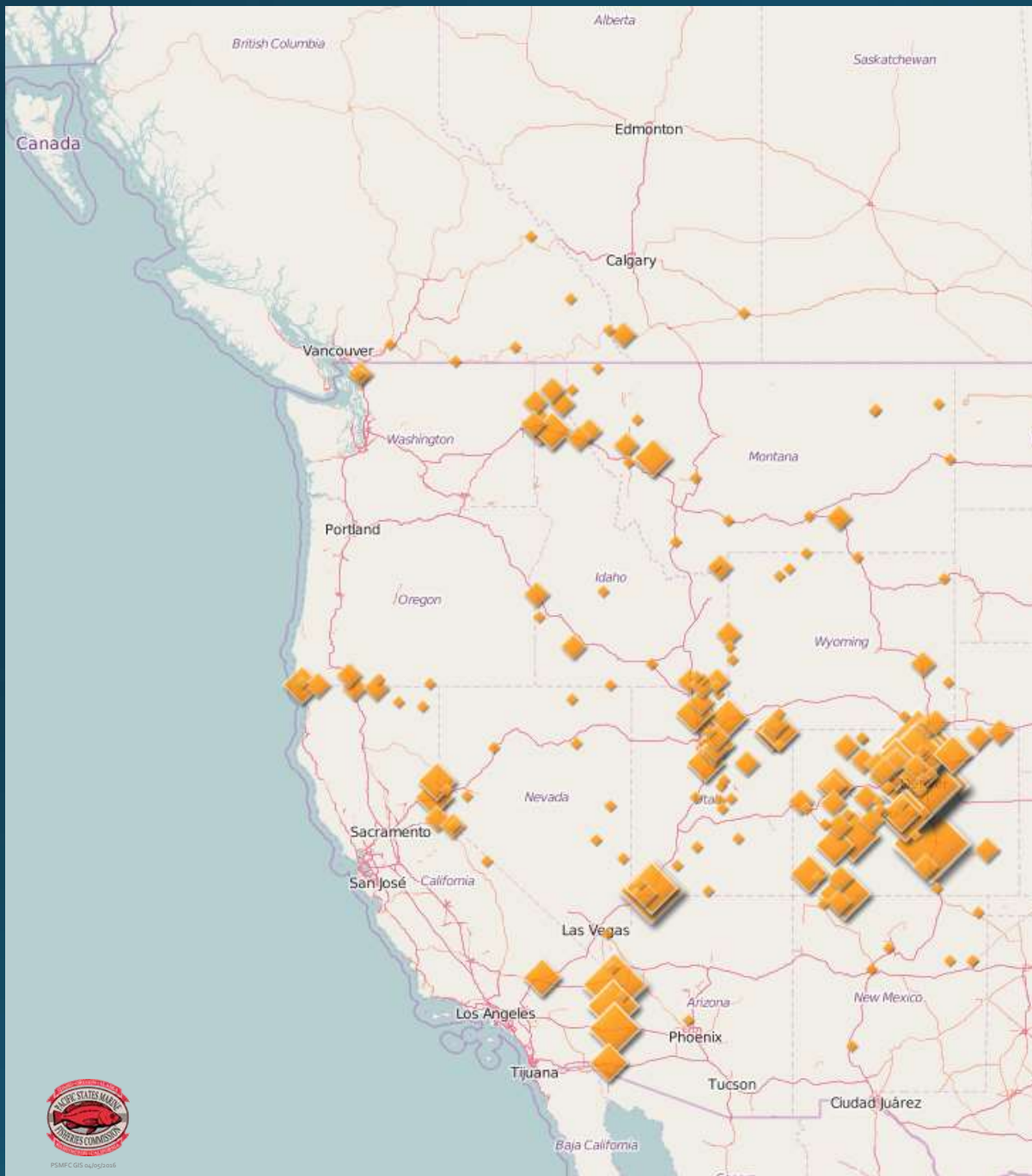
Information on planned WID operating schedule for 2016

MAPS/DATA SHOWN TODAY STILL DRAFT (BUT CLOSE)

Map of Watercraft Inspection Stations in Western N. A.

NOT SHOWN: Interior California; **Pending:** Manitoba, Tahoe





WEST-WIDE INSPEC. TOTALS (Rough!!)

2012: 899,697

2013: 876,277

2014: 759,772

2015: 907,021

> 32,130 to 54,901



> 17,929 to 32,130



> 10,199 to 17,929



> 6,104 to 10,199

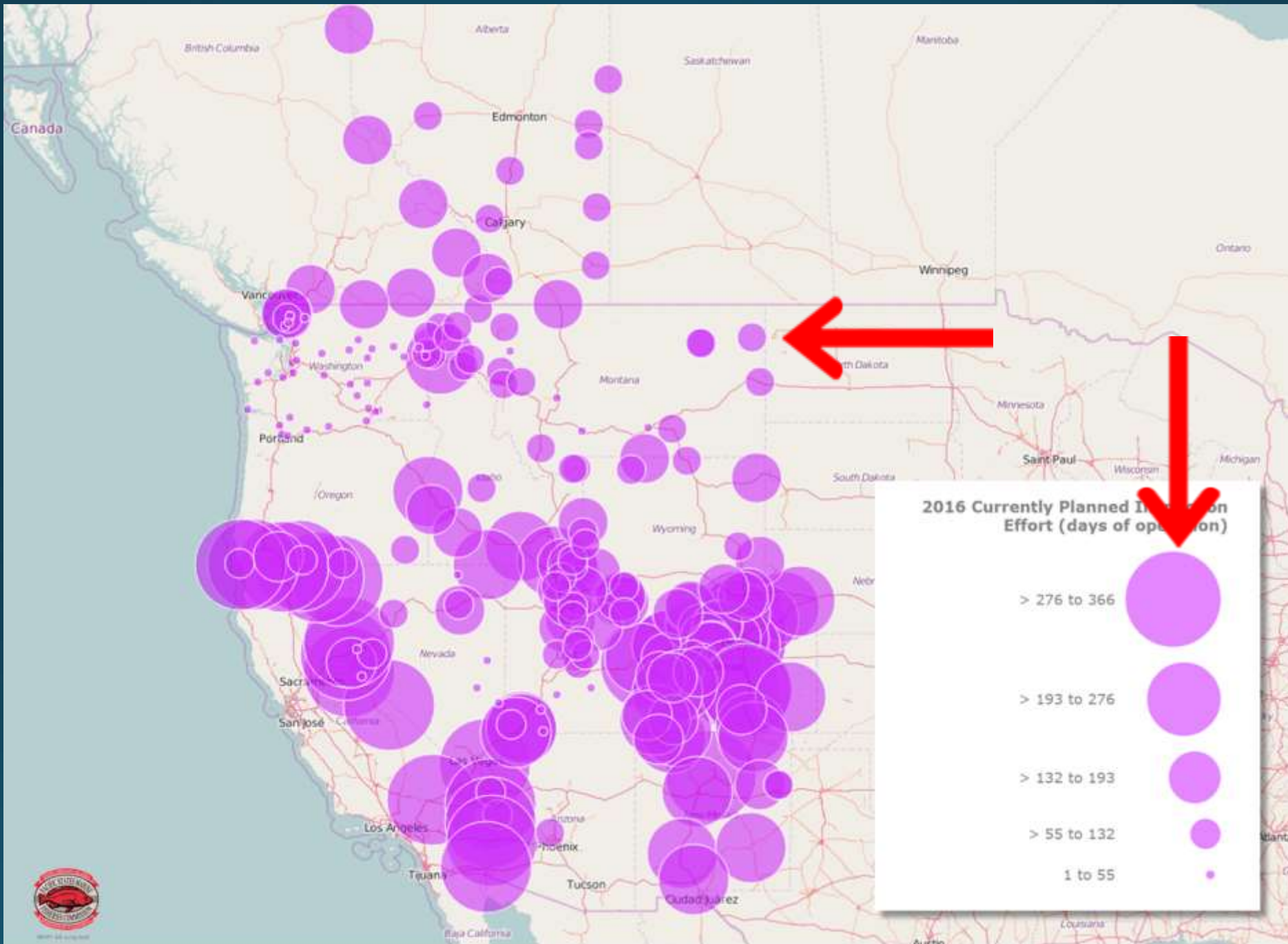


> 2,374 to 6,104



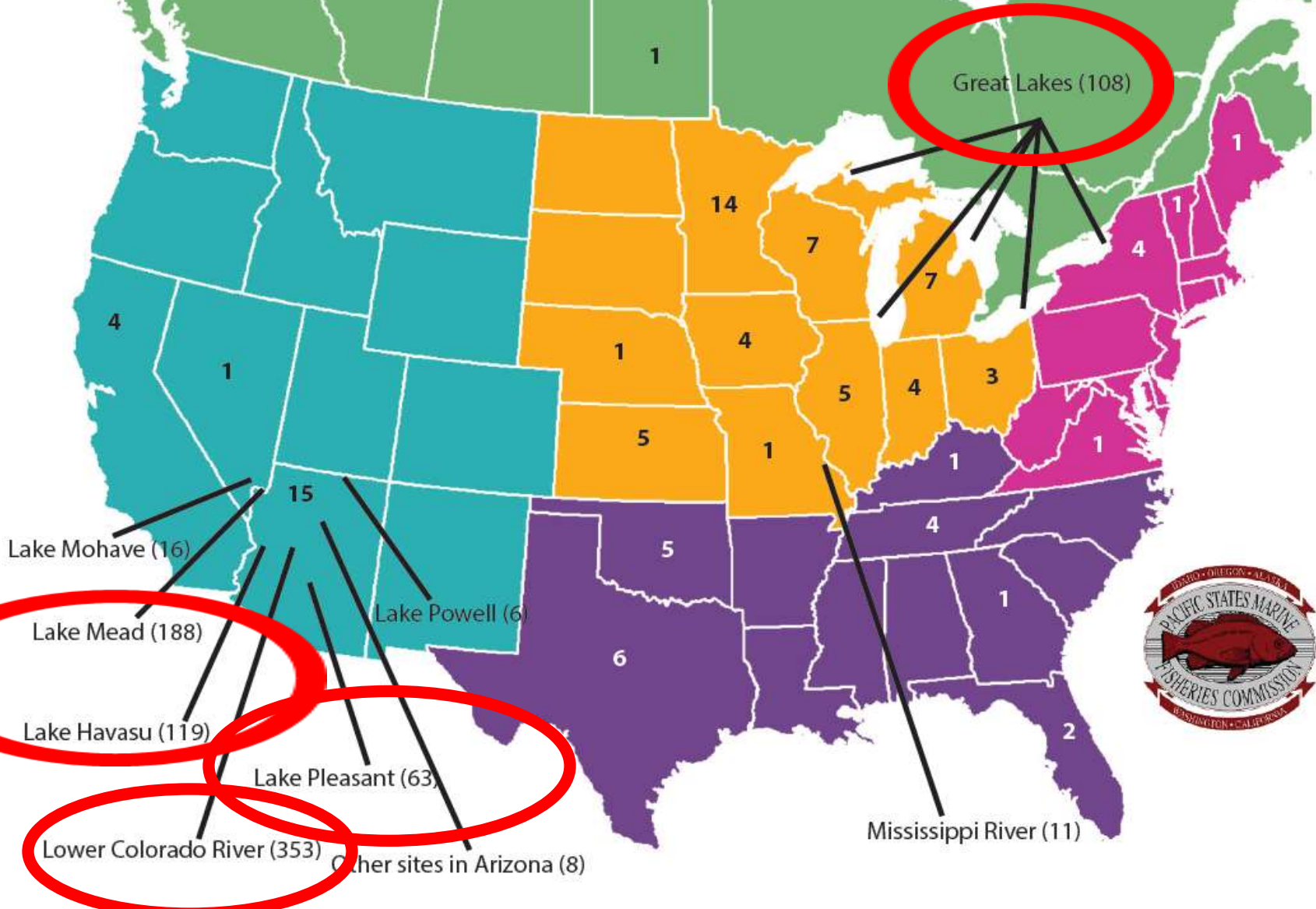
1 to 2,374



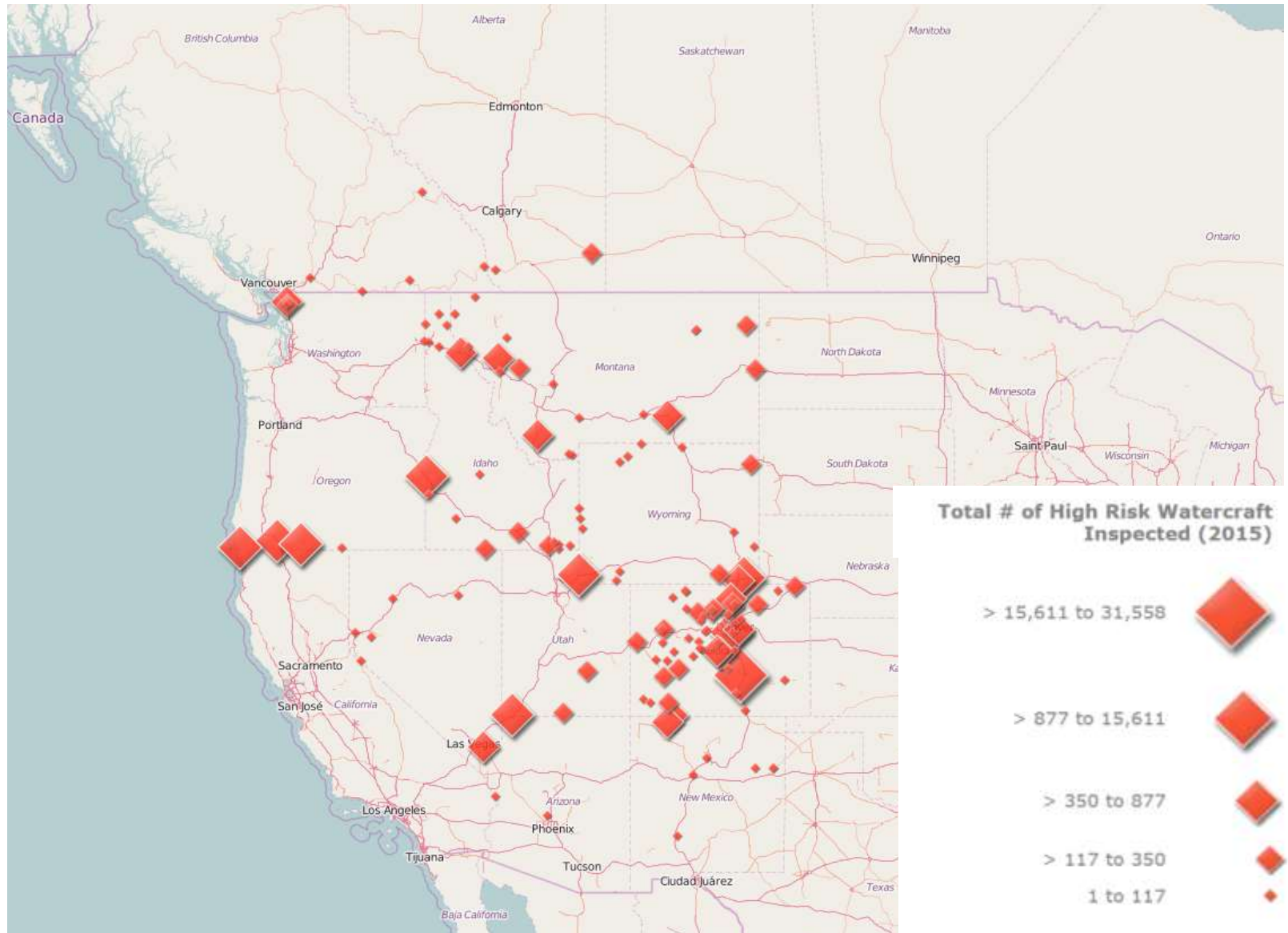


Source of Intercepted Watercraft with Adult Dreissenid Mussels 2012 - 2015 (N=997)

Unknown = 27



HIGH RISK VESSELS INSPECTED IN 2015: 48,945



2015 NIGHT TRAFFIC



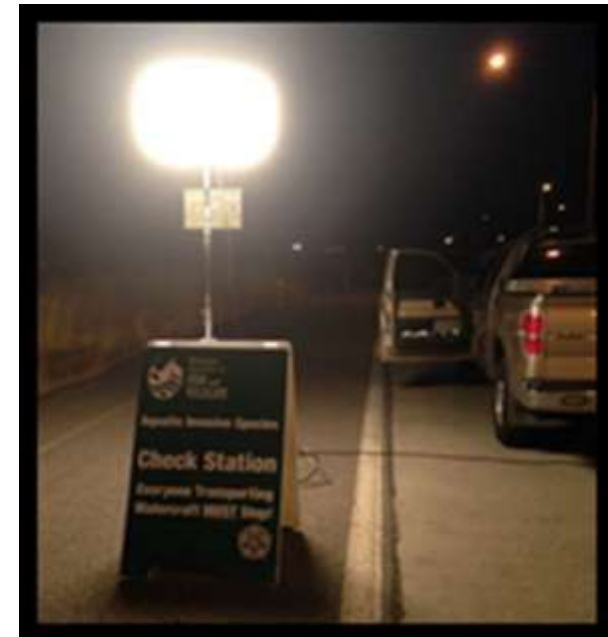
Roadside WI Stations are open during the day

Yes, we are missing boats at night, but how many?

Concern from ALL states on running night stations: **safety, \$\$, law enforcement needed**

In Response Operation – “Dark Crossing” - Wash Dept. Fish & Wildlife Enforcement, LT. Eric Anderson, lead

- **WDFW prefect fit as their WIP is run by LE**



Operation – “Dark Crossing”

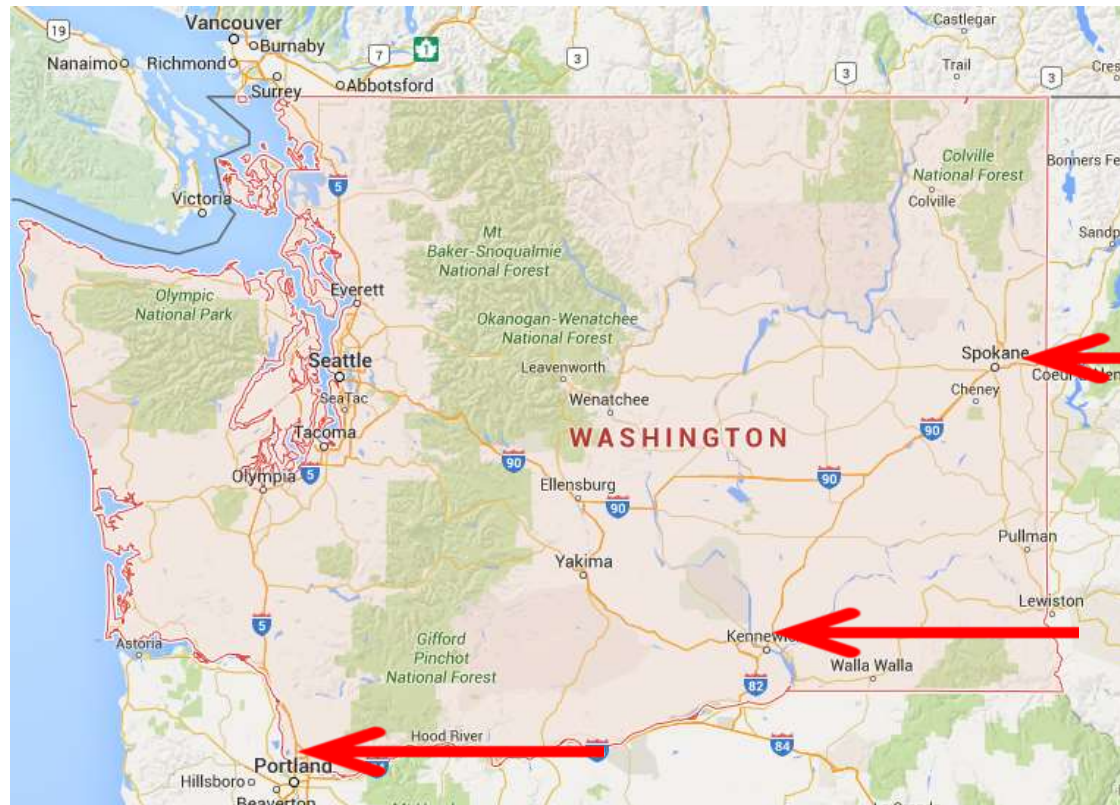
Times: 10:00pm -- 6:00am

Locations;

I-90 at Spokane (Aug 28-30)

Hwy 395 at Kennewick (Aug 14-16)

I-5 at Vancouver (Aug 21-24)



Total Inspections by Date & Location

August 2015 nighttime check stations.								
Date	Site	# of Inspections	# of Commercially Hauled Watercraft	# of Nonresident Watercraft	# of Watercraft Clean and Drained	# of Watercraft AIS Contaminated	# of Watercraft from Mussel Infested Water Bodies	Mussel Infested Water Bodies
14-15	Plymouth	5	0	2	4	0	1	Lake Mead
15-16	Plymouth	9	0	3	6 (1 N/A)	1 (Vegetation)	1	Lake Powell
21-22	Ridgefield	109	0	46	80 (4 N/A)	0	0	N/A
23-24	Ridgefield	46	0	14	46	0	0	N/A
28-29	Spokane	11	1	6	11	0	0	N/A
30-31	Spokane	2	0	2	2	0	0	N/A

REPEAT: 2016

POLICY / MANAGEMENT

- **NW PERIMETER DEFENSE /REGIONAL DEFENSE
ENERGIZED IN 2014**



- Using resources in a combined, cost-effective, interjurisdictional coordinated process to prevent mussels (and other watercraft vectored AIS) from entering uninfested areas **AND** to contain AIS at their source.

NW PERIMETER DEFENSE /REGIONAL DEFENSE ENERGIZED IN 2014

**JUNE 2014 -- Water Resources Reform Development Act (WRRDA)
passed (Section 1039, Baucus)**

“...the Secretary may establish watercraft inspection stations in the Columbia River Basin to be located in ID, MT, OR, and WA 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.”..... ~ **\$20 million authorized [Not Appropriated]**

• IF/WHEN WRRDA \$\$\$'s COME ...the region (especially Pacific Northwest states)... should be prepared with a plan for coordinated watercraft inspection stations operations

Is “perimeter” placement best?

What is the perimeter?

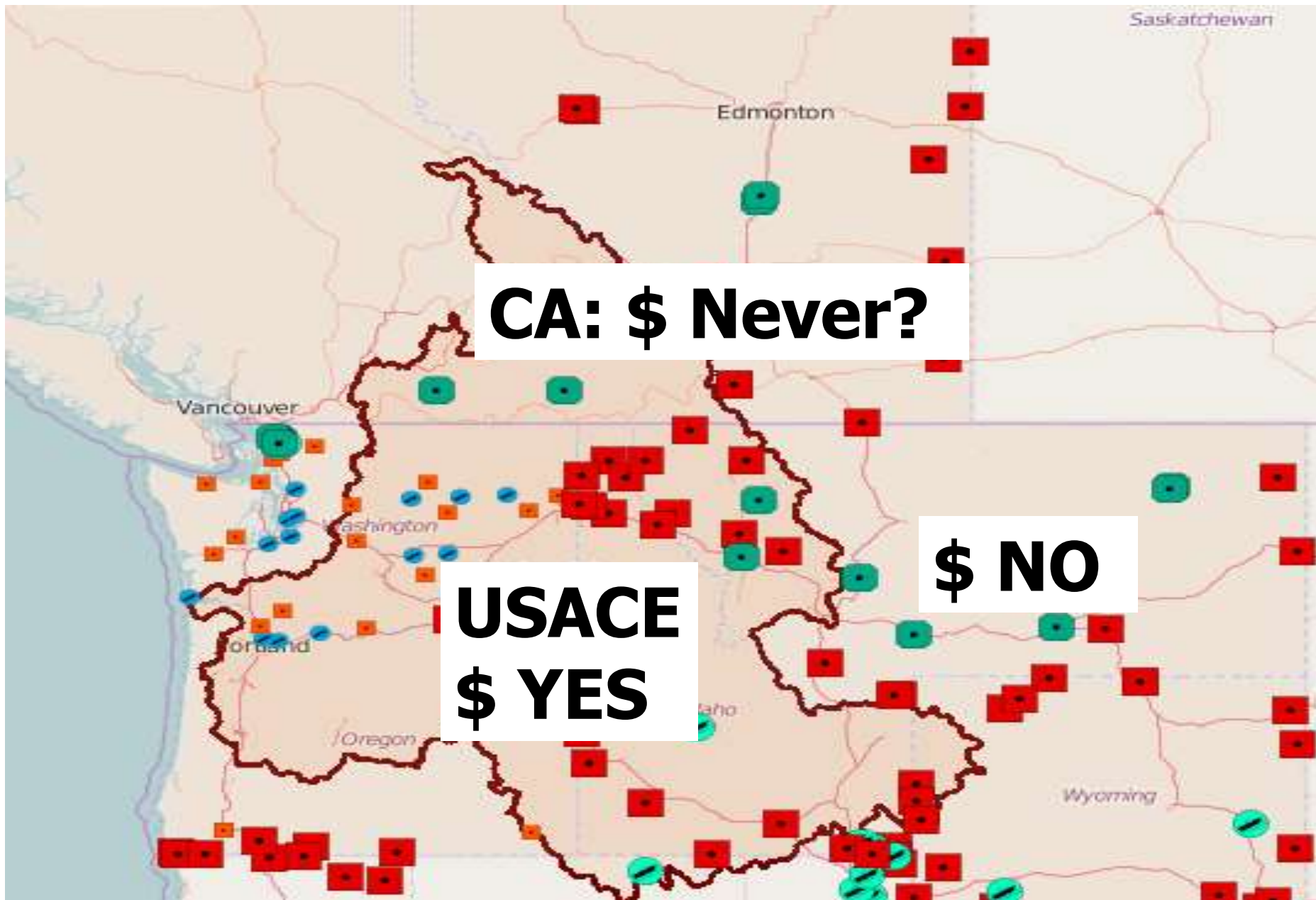


“ADVANCING A REGIONAL DEFENSE AGAINST DREISSENIIDS IN THE PACIFIC NORTHWEST” (2014 - 2015)

- **Pacific NorthWest Economic Region** (and its Invasive Species Working group)
- Received funding through WA Legislature from WDFW in 2014
- **Contractor Hired:** Lisa DeBruyckere Creative Resource Strategies
- **Document Finalized August 2015;**
- The estimated costs associated with failing to prevent an invasion of dreissenids in the Pacific Northwest states and western Canadian provinces has been estimated by the Pacific NorthWest Economic Region (PNWER) at \$500,000,000 million annually.
- To see the report go to: <http://www.pnwer.org/invasive-species.html>

DECEMBER 2015

- FY 2016 federal omnibus spending bill (Energy and Water Development/USACE) Appropriations bill includes **\$4 million** for watercraft inspection stations, as authorized by section 1039 of WRRDA 2014.”
 - This was the result of PNWER, PSMFC, NWPCC, PUD’s, States, Rep Simpson et. al
- Yeah! 50 % Federal Cost Share – allows us to increase coverage
- **But! Implementation Issue:** “the Secretary may establish watercraft inspection stations **in the Columbia River Basin** to be located in ID, MT, OR, and WA at locations”



CA: \$ Never?

**USACE
\$ YES**

\$ NO

SEEKING A LEGISLATIVE FIXASAP!!! And monitoring funds too

Next Steps

1. Get USACE \$ on the ground (Late Summer???),
 2. Expand coverage – night

Website: www.westernais.org/

1. **UMPS III**: Uniform Minimum Protocols and Standards for Watercraft Inspection and Decontamination Programs for Dreissenid Mussels in the Western United States (**Pop up**)
2. **Watercraft Inspection and Decontamination Training**

Thank You

sphillips@psmfc.org

