

Aquatic Invasive Species Prevention Program



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Aquatic Invasive Species Coordinator

Presentation Outline

- Aquatic Invasive Species of Concern
- State Prevention Program
 - Regulations
 - Boat Permits
 - Boat Inspection Program
 - Outreach to Boaters
- Marine Sanitation Device (MSD) Rules Advisory Committee

Invasive Species 101

➤ Threats to the environment

- Displace native species
- Disrupt food web
- Outcompete native species
- Can cause poor water quality
- Predation (invasive vs native)

➤ Threats to the Economy

- Costly to manage/control
- Increased maintenance activity (in-water structures)

➤ Threats to Recreation

- Restrict boat access
- Cause tourism to decrease
- Damage boat motors (zebra/quagga mussels)

Those plants, animals, insects, etc. that are not native to a given region and whose introduction causes or is likely to cause economic or environmental damage or harm to human health.

AIS Species of Concern



Asian Carp



New Zealand mudsnails



Zebra + Quagga mussels



Aquatic weeds

Red-eared slider



Marine
Tunicate



Asian kelp

AIS Prevention Program

- The 2009 Oregon Legislature directed the formation of a program to create a dedicated funding mechanism to support on-the ground prevention activities.
- The program is implemented by the Oregon State Marine Board and the Oregon Department of Fish and Wildlife.
- Was modeled after Idaho's similar program that was started in 2009.

GOAL:

- To protect Oregon's water bodies against the introduction and spread of aquatic invasive species.

AIS Program

State Regulations

- **AIS Permit Program** – 2009 + 2011 Legislative session
 - ORS 830.565 – 830.585 + OAR 250-010-0650
- **“Clean Launch Law”** - 2009 Legislative session
 - ORS 830.560
- **Illegal to knowingly transport AIS** - 2009 Legislative session
 - ORS 830.999
- **AIS boat inspections** - 2009 + 2011 Legislative session
 - ORS 830.587 – 830.589 + OAR 250-010-0660

The “Clean Launch” Law

- New Law was passed by the 2009 Legislative session.
- It prohibits the launching of a boat if there are any visible aquatic species (native or non-native) on the:
 - ✓ exterior of the boat (hull or motor)
 - ✓ trailer or related equipment; or
 - ✓ any invasive species inside the boat.
- The law focuses on the launch, not the transport or retrieval of a boat.
- Violation for launching a dirty boat
 - Class B violation - \$287

AIS Boat Permit Categories

Non-Motorized Boats (10ft and longer)



OSMB Tyvek tag
\$5/yr. or \$10/2yr.



ODFW Paper - \$7/yr.
Includes a \$2 agent fee

Oregon Motorboat
\$5/2yr registration

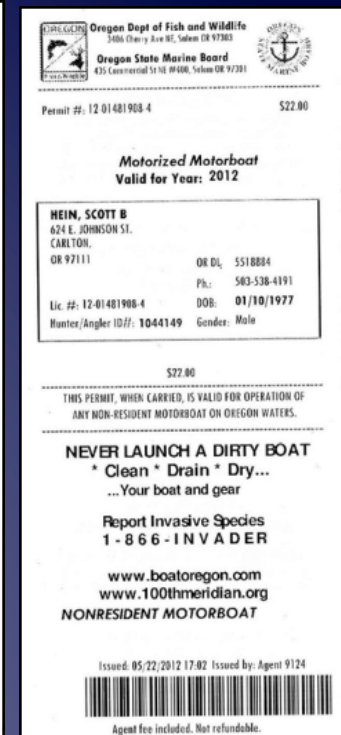


Non-Resident Motorboat

OSMB Paper
laminated card \$20/yr.

ODFW Paper - \$22/yr.
Includes a \$2 agent fee

Outfitter/Guide or Livery
Discounted rates:
6-10 boats = \$30
11-20 boats = \$55
21 or more = \$100



AIS Prevention Program

- Exemptions from the requirement to carry a permit:
 - State-owned boats
 - County-owned boats
 - Municipality-owned boats
 - Federally-owned boats
 - Eleemosynary-owned boats
 - Relating to, or dependent on charity – ex. Boy Scouts, Church groups
 - A ship's lifeboat used solely for lifesaving purposes
 - Seaplanes
 - The minimum age requirement for carrying the permit is 14 years old, same as fishing license.
- Reciprocity with neighboring states:
 - Washington Boaters
 - ▶ No permit needed while boating on Columbia River
 - Idaho Boaters
 - ▶ No permit needed while boating on the Snake River

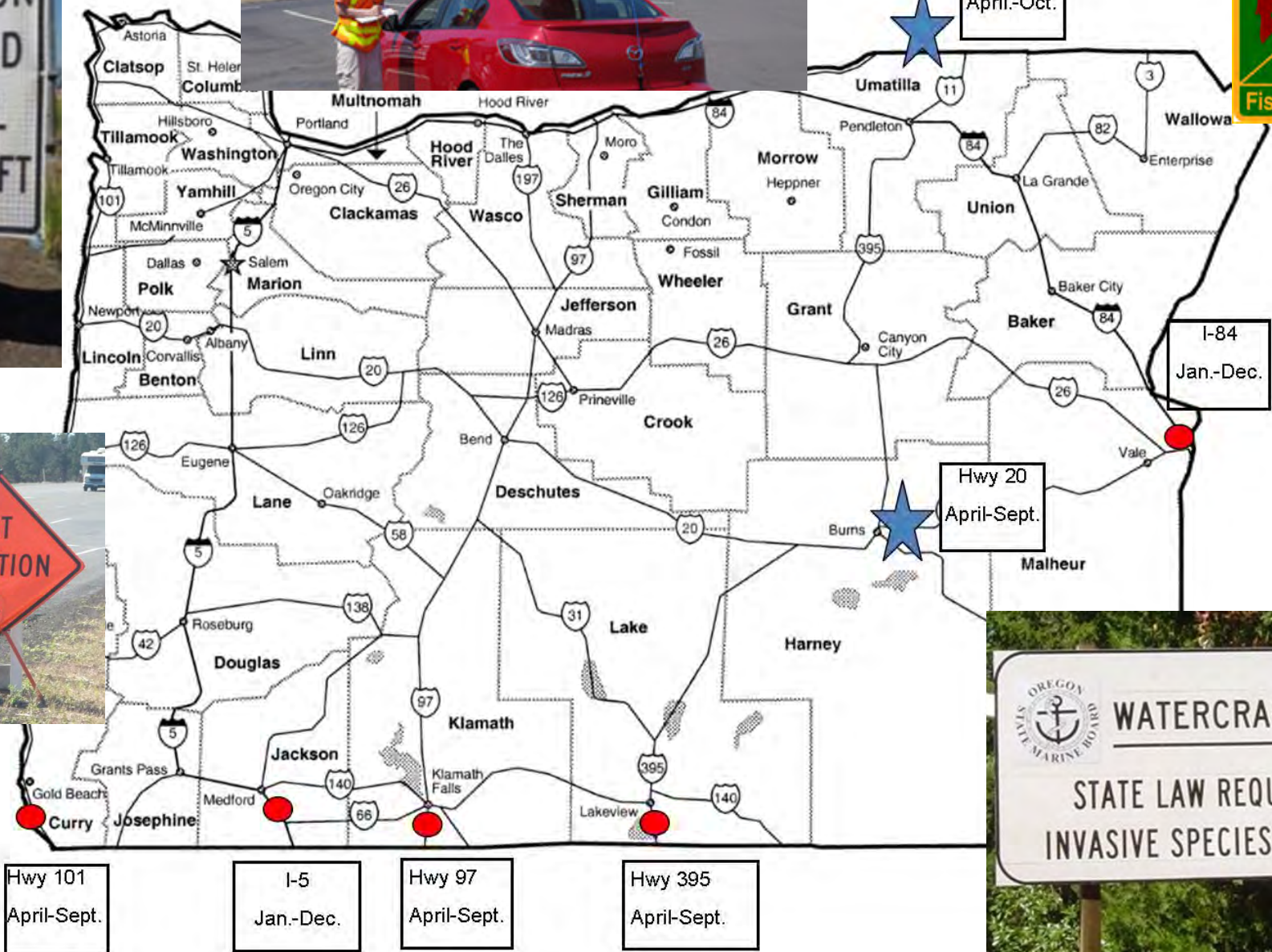
AIS Permits Sold

Fiscal Year	2014	2015	2016	2017
OR Motorized	69,334	77,766	70,330	72,817
Non-Motorized	41,487	54,571	47,339	57,933
Non-Resident Motorized	4,731	4,979	5,440	5,760
Total Collected Revenue	\$670,235	\$796,753	\$732,770	\$796,232

AIS Prevention Fund

Administered and managed by the OSMB and is established in the State Treasury, separate and distinct from the General Fund. Only to be used by the AIS Program for prevention, control and management activities.

ODFW Watercraft Inspection Teams



Inspection Station Signage



Average statewide compliance rate = 85%

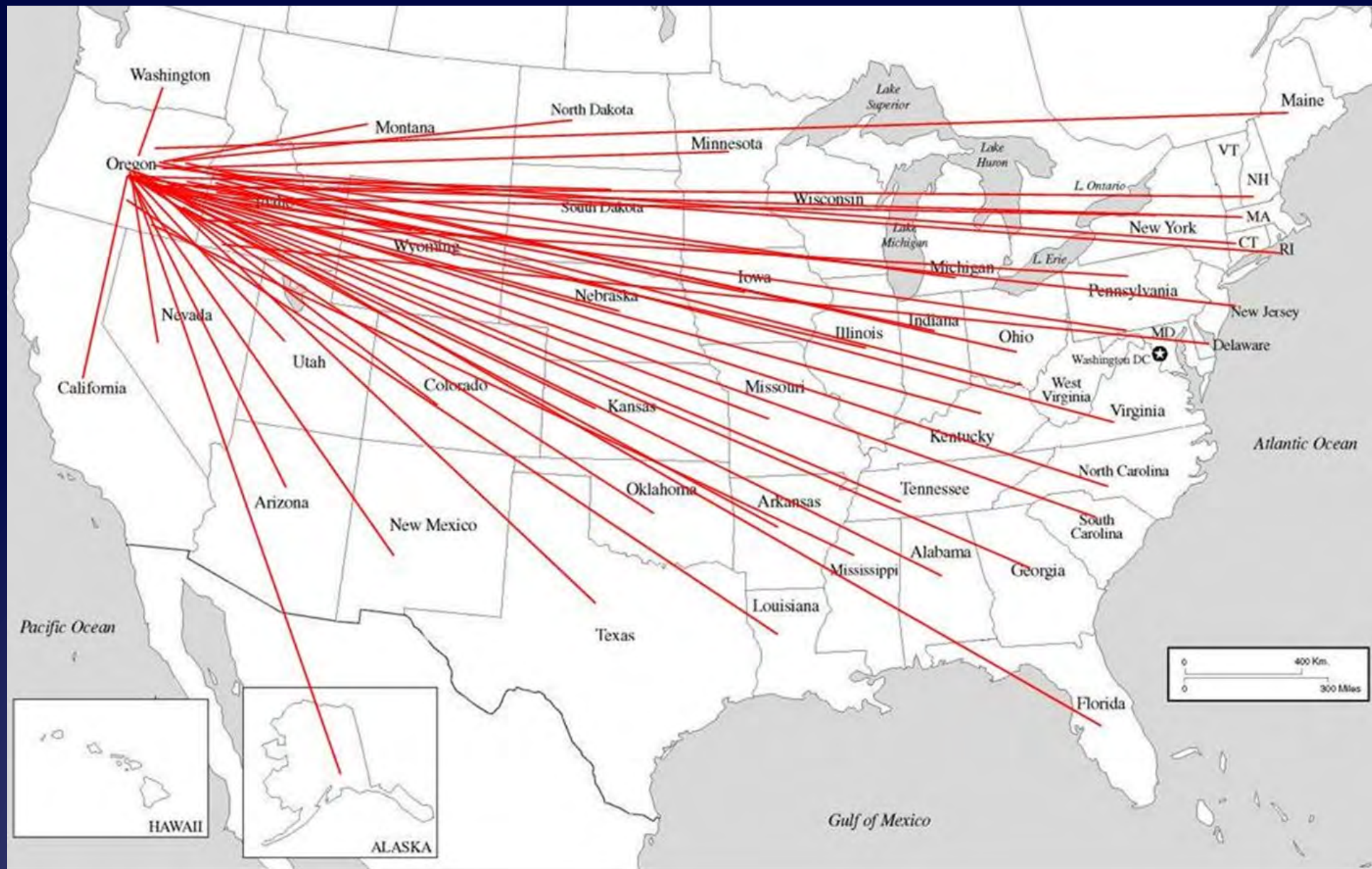
Boat Decontamination Units



ODFW AIS Boat Inspections

Inspection Year	Clean	Dirty	Total	Z/Q mussel boats
2017	21,026	299	21,325	16
2016	16,825	391	17,216	17
2015	12,672	269	12,941	12
2014	11,091	207	11,298	13
2013	7,157	279	7,436	14
2012	4,472	54	4,526	9
Totals	73,243	1,499	74,742	81

Boater Transport



AISPP Outreach

Protect Oregon's Waterways Against AQUATIC INVASIVE SPECIES



STOP THE SPREAD!

Aquatic weeds like Eurasian watermilfoil and South American waterweed (see reverse) can clog lakes, reservoirs, and rivers. These and other aquatic weeds can easily hitchhike to new waterways on boats, trailers, motors, paddles, etc. Thick growths of aquatic weeds can:

- ruin boat engines and jam steering equipment.
- damage sport fish populations.
- reduce recreational access for boaters, fishermen, and swimmers.
- degrade wildlife habitat for fish and waterfowl.
- contribute to fish kills.
- impair drinking water quality (foul odors, colors, and tastes).



NEVER LAUNCH A DIRTY BOAT

Did you know that in Oregon it's illegal to launch a boat with aquatic plants or animals on the hull, motor, or trailer? That includes all parts of aquatic plants: stem fragments, leaves, flowers, and seeds.

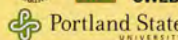
Be sure to **CLEAN, DRAIN, AND DRY** your boat and all equipment before leaving a water body.

KEEP WATCH ON THE WATER AND REPORT SUSPICIOUS PLANTS

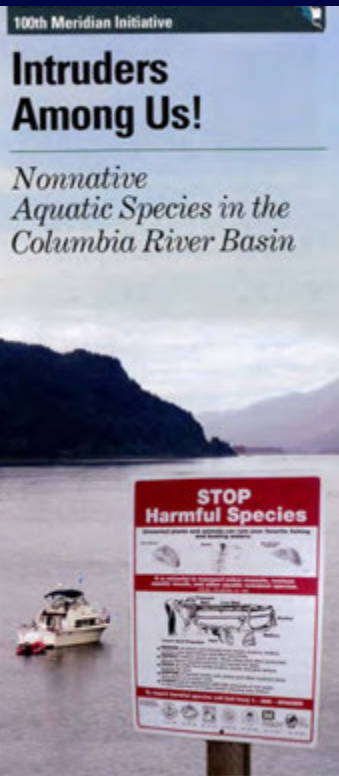
Have you noticed an unusual new plant growing in your favorite lake, stream or river? If so, be sure to note where it is and what the plant looks like. If possible, take a few pictures.

Think you've spotted a high priority aquatic weed like hydrilla or yellow floating heart?

**Call
1-866-INVADER
to report it.**



More information on aquatic weeds →



Thank you for stopping at Oregon's Aquatic Invasive Species Boat Inspection Station



The Oregon Department of Fish and Wildlife and Oregon Marine Board are conducting boat inspections throughout the state in an effort to stop the spread of invasive species—quagga and zebra freshwater mussels; water-borne diseases and viruses; New Zealand mudsnails; and aquatic plants such as Eurasian watermilfoil.

Inspections will take about ten minutes if boats are free of invasive species. If a boat is found to be contaminated with quagga or zebra mussels, it will be held and decontaminated on site.

By stopping for boat inspections, a boater is not subject to penalties or fines associated with transporting Aquatic Invasive Species (AIS).

How you can help

Always: Clean, Drain and Dry

- After boating, clean your boat and gear thoroughly
- Inspect boats, trailers and motors for the presence of AIS prior to and after use in any water body
- Remove any vegetation and leave at the site of origin or discard in the trash
- Drain and flush your bilge, live well, bait buckets and any other standing water
- Clean and scrub hulls, motors, anchors and trailers—then hose equipment with hot and/or high pressure water
- Allow boats to dry before being used again
- Remove all drain plugs

**With your help, we can keep
Oregon's waters clean and open
for recreation.**

This program is funded by the sale of Aquatic Invasive Species Prevention Permits. The law requires operators of all motor boats and non-motorized boats that are 10 feet in length or longer to have a Permit.

Registered Motor Boats—resident and non-resident:

- Residents: Oregon registered motor boats do not have to buy a Permit. They pay an AIS \$5 fee along with their boat registration; a current registration decal is proof the fee has been paid.
- Non-residents: Out-of-state residents who trailer a boat into the state and launch in Oregon's waters are required to purchase an annual non-resident Permit for \$20.

Non-motorized boaters—resident and non-resident:



- Each manually powered boat (drift boat, canoe, kayak, raft, etc.) 10 feet or longer must have a Permit on board. Permits cost \$5 per year.
- Permits are transferable to use on other non-motorized boats: The name on the Permit does not have to match the person using it.
- Children 13 years of age and younger are not required to have a Permit.

Washington and Idaho boaters

- Washington and Idaho boaters **DO NEED** a Permit when boating in Oregon's state waters including lakes, reservoirs, the ocean and rivers.
- No Permit needed when Washington boaters are boating on the Columbia River and when Idaho boaters are boating on the Snake River and in possession of an Idaho AIS sticker.

Invasive species are identified in the Oregon Conservation Strategy as one of the biggest threats to the state's fish and wildlife and their habitats. Keep Oregon's waters and habitats healthy—stop the spread of aquatic invaders.



Oregon Department of Fish and Wildlife
503-947-6000
www.dfw.state.or.us



Oregon Marine Board
503-378-8587
www.boatoregon.com



AISPP Outreach

Oregon's Aquatic Invasive Species Prevention Program 2017 Report



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Rick Boatner – Oregon Department of Fish & Wildlife



February 2018

2017 Annual Report

Border Highway Sign

10' x 5'



Boat Ramp Signs

STOP OREGON'S INVADERS!

Protect Oregon's Waterways

STATE LAW requires all watercraft 10' long and longer to possess an Aquatic Invasive Species Prevention Permit.

STATE LAW prohibits launching a boat with ANY aquatic species on the hull, motor, trailer or any other exterior surface.

Always Inspect and Clean these Areas

CLEAN all aquatic plants, animals and mud from your vehicle, boat, motor or trailer and discard in the trash. Rinse, scrub or pressure wash, as appropriate away from storm drains, ditches or waterways.

DRAIN livewell, bilge and all internal compartments.

DRY your boat between uses if possible. Leave compartments open and sponge out standing water.

Clean Boats Protect Clean Waterways

To report invasive species call 1-866-INVADER (468-2337)
Or report at www.oregoninvasiveshotline.org
For more information visit www.boatoregon.com

INVASIVE SPECIES IN OREGON

- EURASIAN WATERMILFOIL (*Elodea sp.*)
- NEW ZEALAND MUDSNAILS (*Hydrobia ulvae*)

INVASIVE SPECIES NEAR OUR BORDERS

- HYDRILLA (*Hydrilla verticillata*)
- ZEBRA / QUAGGA MUSSELS (*Dreissena spp.*)

Logos: OREGON BOATING BOARD, STOP AQUATIC HITCHHIKERS!, STOP the problem, OISC Oregon Invasive Species Council, UAS, and Oregon Department of Fish and Wildlife.

24" x 36"

**ATTENTION
NON-MOTORIZED BOATERS
AQUATIC INVASIVE SPECIES
PREVENTION PERMIT REQUIRED**

OREGON BOATING LAW: ORS 830.585 / OAR 250-010-0650

- All non-motorized boats (canoe, kayak, raft, drift boat, stand-up paddle boards etc.) 10 feet or longer **must** carry one aquatic invasive species (AIS) permit per boat when operating on Oregon waters.
- Permits cost \$5 per year, are transferable and can be used on any non-motorized boat. Applies to residents and non-residents.

CLEAN - all aquatic plants, animals and mud from your watercraft, oar, footwear and other gear before and after boating.

DRAIN - any standing water by inverting or tilting your watercraft, open any compartments and remove weeds if necessary. Rinse or flush under boating at inflation chamber joints or other areas that can trap mud and debris.

DRY - your boat between uses if possible. Leave compartments open and sponge out standing water.

CLEAN BOATS PROTECT CLEAN WATERWAYS
Permit revenues are dedicated to protecting Oregon's lakes, rivers and ocean from aquatic invasive species.

For more information visit www.boatoregon.com

- Multiple boaters also can fill permit fast online at the registration fee (residents) or by purchasing and carrying (non-residents).

Logos: OREGON BOATING BOARD, Oregon Invasive Species Council, and Oregon Department of Fish and Wildlife.

11" x 17"

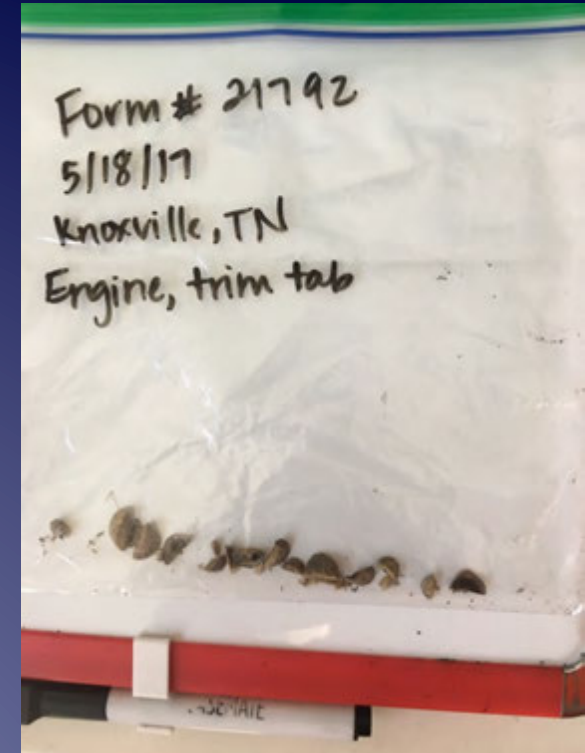
Zebra/Quagga Mussel Boats



OR boat returning from Lake Havasu with standing water found within holding compartments.



TN boat with mussels found on the trim tabs.



Zebra/Quagga Mussel Boat

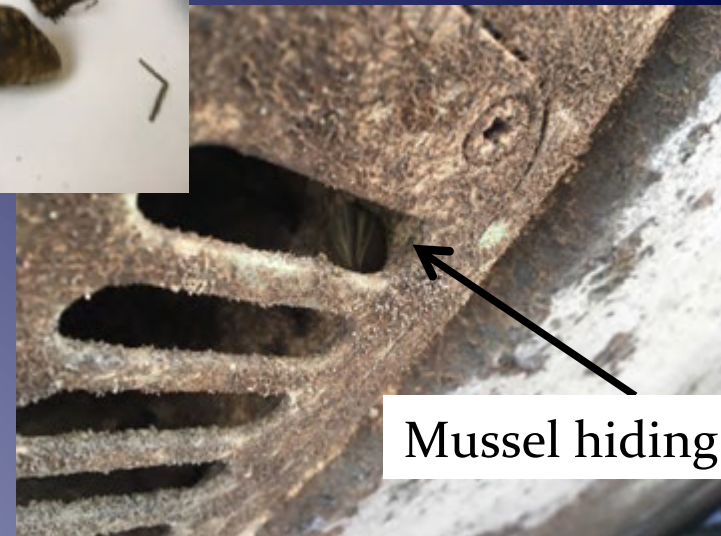
Boat last used in OK



Bottom very dirty



Lots of
mussels
removed
from the
boat!



Mussel hiding

Zebra/Quagga Mussel Boats



Boat last used in Great Lakes



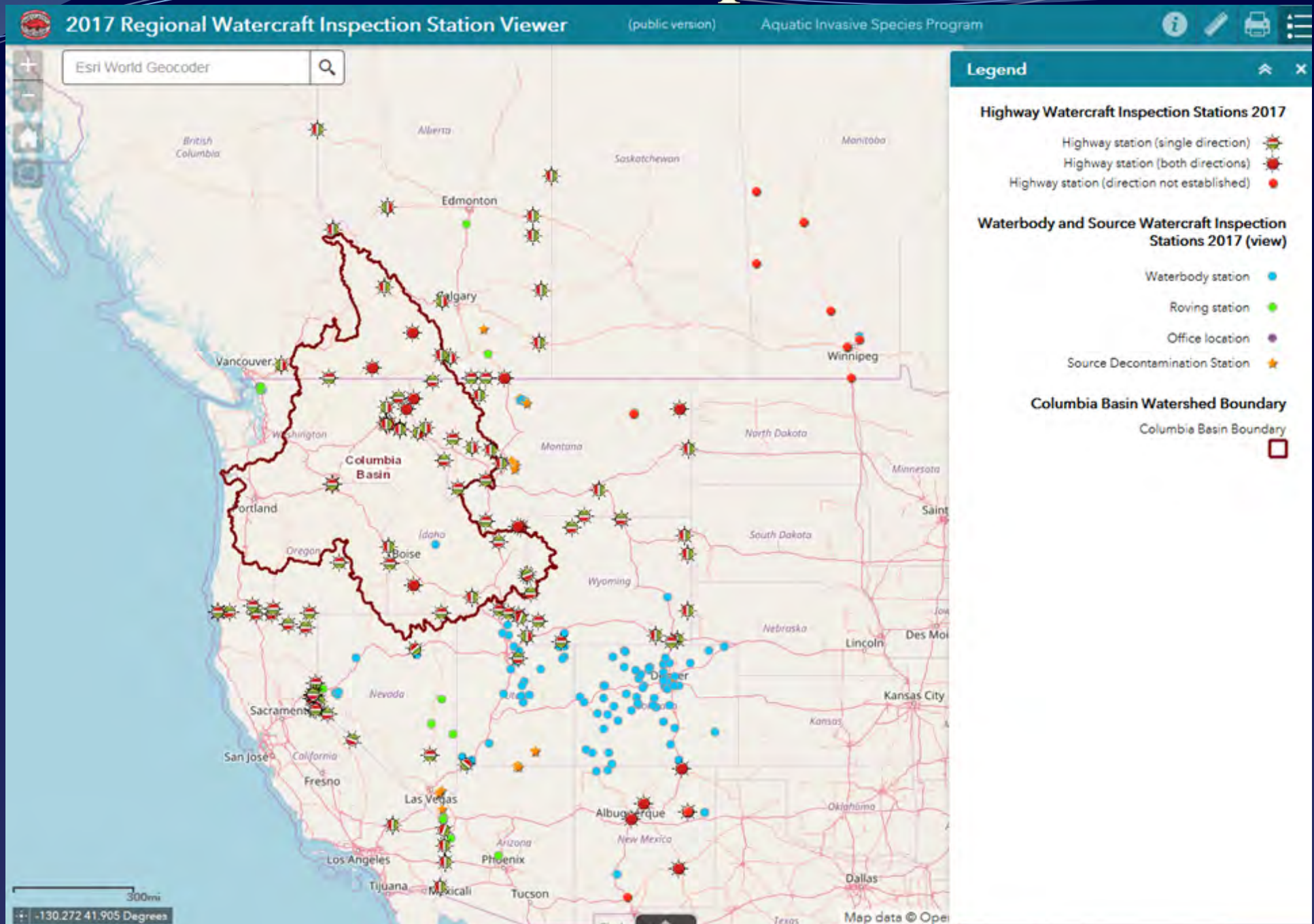
Mussels removed from the boat



Boat last used in TN, one mussel found means a full boat decontamination



Western States Inspection Stations



The ABYC Standards and Technical Information Reports for Small Craft are the product of a consensus of representatives of government, industry and public sectors. It is intended solely as a guide to aid manufacturers and the marine community in the design, construction, equipment and maintenance of small craft.

ABYC reviews each standard at least every five years at which time it may be reaffirmed, revised, or withdrawn. ABYC welcomes any written comments on the Standards and Technical Information Reports.

ABYC T-32

BOAT DESIGN AND CONSTRUCTION IN CONSIDERATION OF AQUATIC INVASIVE SPECIES

ABYC T-32

3/2016

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National Planning Efforts

American Boat & Yacht Council AIS Committee

Boat Industry Partnership: Boat Design and Construction in the Consideration of AIS.



Aquatic Invasive Species Meeting

Sponsored By



NOTICE

Before towing this vehicle be sure to read and familiarize yourself with the instructions and warnings supplied with it.
NEVER TOW THIS VEHICLE BEFORE YOU CHECK TO BE SURE:

- ✓ Coupler, hitch and hitch ball are of the same size
- ✓ Coupler and safety chains are safely secured to hitch of tow vehicle
- ✓ All fasteners are properly tightened
- ✓ Boat is securely tied down to trailer (winch line is not a tie down)
- ✓ Wheel lug nuts are properly tightened
- ✓ Wheel bearings are properly adjusted and maintained
- ✓ Load is within maximum load carrying capacity
- ✓ Tires are properly inflated
- ✓ All trailer lighting is working properly
- ✓ Trailer brakes are properly adjusted and working (if trailer is so equipped)
- ✓ Clean, drain and dry the boat and trailer, removing any attached plant material or debris

This trailer is equipped to meet applicable federal safety standards. Check local and state requirements regarding brakes and any additional equipment that may be required.

NMMA
NT401-16

MSD – Rules Advisory Committee

- A Committee has been formed to review existing state and federal MSD laws and make recommendations for any new rules.
- Members include:
 - Oregon Marine Board
 - Oregon DEQ
 - Columbia River Yachting Association (2)
 - Oregon State University – Sea Grant Program
 - Columbia Crossings Marina - Manager

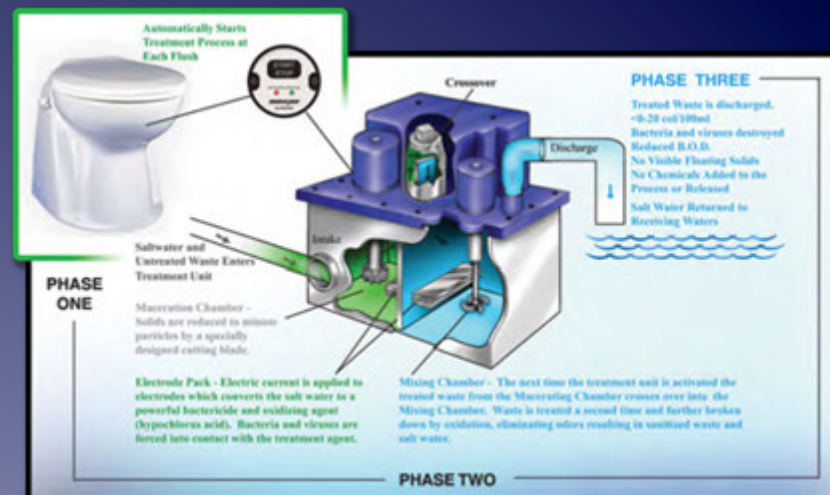
Marine Sanitation Devices (MSD)

Pursuant to U.S. Coast Guard Regulations 33 CFR 159, if a vessel (including boats) has a permanently installed toilet; it shall be equipped with an operable MSD. Vessels 65 feet in length and under may install a Type I, II or III MSD. Vessels over 65 feet in length shall install a Type II or III MSD.

Type I - Treats the sewage and macerates the solids before discharging it into the water. The treated discharge must meet a standard for bacteria count (less than 1000 fecal coliform per 100 ml) and must not produce visible floating solids.

Type II - This is also a flow through treatment device but meets a higher standard. The standard for bacteria is not to exceed 200 fecal coliform bacteria per 100 ml. The effluent from a Type II device would have the same clarity as slightly cloudy water.

Type III MSD - Certified to a “no-discharge” standard. Holding tanks are the most common type where sewage is stored in a holding tank until it can be pumped to a dockside facility.



MSD – Rules Advisory Committee

Project Timeline

- Have held two meetings with a third scheduled on April 26th.
- Draft rules will be put together during May
- June will be a 30 day public comment period
- July – proposed draft rules will go to the Marine Board Directors meeting for consideration of approval.

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Clean Marina Program

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