

Oregon Clean Marina News



Winter 2010/Spring 2011

Program News

Hello! My name is Rachel Bullene and I am the new Oregon Clean Marina Coordinator at the Oregon State Marine Board (OSMB). Glenn Dolphin, the previous Clean Marina coordinator, is now exclusively working on the Aquatic Invasive Species Prevention Program, so I will be coordinating the Clean Marina, Clean Boater, and Foam Encapsulation Programs. My background includes five years with the Virginia Department of Environmental Quality where I worked with the Coastal Zone Management Program and the Office of Pollution Prevention. I have been on the job for about five months now, and have visited a number of our Clean Marinas to complete their

re-certifications. I am impressed with the cleanliness of the facilities and especially the dedication of the marina managers and staff. To date, the OSMB has certified 47 facilities and 16 have pledged to join the program. For 2011, I would like to see all the pledges become certified facilities, and I would like to set a goal to recruit at least 10 more facilities! If you own or manage a marina that is not yet a certified Clean Marina, please contact me at (503) 378-2836 or rachel.e.bullene@state.or.us, to discuss joining the Clean Marina Program. I look forward to working with all the marinas in the state that are striving to improve their environmental performance to keep Oregon's waterways pollution free.

Newly Certified Marinas

Port of Astoria

The Port of Astoria has added three facilities to the Clean Marina family. The West Mooring Basin, located 14 miles up the mouth of the Columbia River, offers boaters accommodations, restaurants and shops on-site, and is well suited to recreational boat moorage. The East Mooring Basin, with 82 slips, is a mile and a half up river from the West Basin. The East Basin is home for much of Astoria's fishing fleet, and is well suited to commercial vessel and recreational

boat moorage. Also certified was the 10-acre boatyard and haul out facility where boat owners can contract for repair work with an on-site marine repair business or lease boatyard space for do-it-yourself work. The boatyard includes an 88-ton Travelift and a boat wash down system enabling boaters to remove algae and barnacles from their boat's and dispose of wash waste properly. In addition to being in compliance with environmental regulations, the Port of Astoria also provides recycling containers at the marinas, offers

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boaters the opportunity to recycle their oil, maintains and cleans stormwater catch basins annually, and properly manages fish cleaning tables. Other new practices adopted by the moorage include:

- Incorporating environmental best management practices as part of their moorage agreements with tenants at the marinas and boatyard.
- Completing an emergency response plan (PANIC file) for the facility.
- Posting signs regarding aquatic invasive species and oil spill reporting.
- Starting a materials recycling station at the boatyard.



In addition to providing moorage for recreational and fishing boats, the Port of Astoria hosts cruise ships from around the world.

Jantzen Beach Moorage

Located in Portland on the Columbia River, Jantzen Beach Moorage is the 5th floating home moorage to join the Clean Marina Program. In accordance with the Clean Marina requirements, Jantzen Beach recently incorporated new environmental best management practices as part of their moorage agreements with tenants and with contractors working within the moorage. The Moorage also worked with City of Portland to develop the river bank management plan to remove invasive trees and re-plant with adequate native vegetation. They also host an annual hazardous waste collection event for moorage tenants. Other new practices adopted by the moorage include:

- Completing an emergency response plan (PANIC file) for the facility and have copies posted at various locations with different staff.
- Posting signs regarding aquatic invasive species and oil spill reporting.
- Maintaining clean garbage and recycling facilities.
- Purchasing and located oil spill response kits throughout the facility.
- Maintaining and cleaning stormwater catch basins annually.

Columbia Point Yacht Club 1

Columbia Point Yacht Club 1 is a secure, privately owned marina located just inside the entrance to Hayden Bay in Portland. The marina consists of 47 open slips, including 30, 35, and 40 foot lengths. Maintenance is done on a continuing basis resulting in a marina that is an asset to both the owners and the condominium communities that surround it. Recent upgrades and improvements completed during the past summer include electrical, plumbing, lighting, fire lines, and a complete retightening of all fasteners. Slip owners are very concerned about the effects of the marina operations on the environment,



Columbia Point Yacht Club 1

and are proud of their Oregon Clean Marina certification. A recently installed flag pole proudly flies the *Oregon Clean Marina* flag, reflecting the marina's environmental concerns and efforts to the communities. Work to obtain certification included:

- Upgrading the marina rules and slip agreements to reflect the environmental concerns.

- Posting signage regarding invasive species and oil spill reporting requirements.
- Providing a spill kit at the entrance to the marina for use in an emergency.
- Updating and implementing emergency response plans.
- Training all officers and directors in emergency response procedures.

Aquatic Invasive Species Update

by Glenn Dolphin



January 2011 marks the one year anniversary of the Aquatic Invasive Species Prevention Program. The program, a cooperative effort between the Marine Board and Department of Fish and Wildlife, created a new permit program for resident and nonresident motor boats and paddle craft to fund boat inspection

teams, signage at boat ramps, education materials, and mobile decontamination units. In addition to the new permit requirement, the "clean launch law" went into effect this year which made it illegal to launch a boat into Oregon waters with any visible aquatic species on its exterior hull or attached to any part of the motor, boat trailer, or in its bilge, livewell, motorwell or other interior location. Boater education is critical to halt the spread of aquatic hitchhikers, so the Marine Board, along with agencies across the U.S., is promoting a simple, easy to remember message - "Clean, Drain, Dry:"

CLEAN all aquatic plants, animals and mud from your boat, motor, and trailer and discard in the trash. Rinse, scrub, or pressure wash, as appropriate, away from storm drains, ditches, or waterways. Lawns, gravel pads, or self-serve car washes are best.

DRAIN all standing water from your livewell, bilge, and internal compartments.

DRY your boat between uses if possible. Leave compartments open and sponge out standing water. Find a place that will allow the anchor line to dry.

You can help by passing on the "Clean, Drain, Dry" message to your customers and by being on the lookout for suspicious aquatic plants and animals. If you manage a boat ramp at your facility and you have not received a new "Stop Oregon's Invaders" sign (above), please contact us and we will arrange to get you one. Many facilities have expressed an interest in installing boat wash stations, and have inquired if the Marine Board would provide grants for such types of projects. It is our hope that in the future the AIS permit fund could be used to install boat washes in critical areas around the state, but at this time we do not have the funds or the procedures in place. However, we would like to document the level of interest in boat wash stations, so if your facility has or would like to install a boat wash station, please contact Glenn Dolphin at 503-378- 2625 or at glenn.dolphin@state.or.us.

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 (*Myriophyllum spicatum*)
- NEW ZEALAND MUDSNAILS (*Potamopyrgus antipodanus*)

INVASIVE SPECIES NEAR OUR BORDERS

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

24" by 36" full-color aluminum sign

Pollution Prevention Success Stories

Solar trickle chargers for batteries

Duane Dominguez of Columbia Ridge Marina (a floating home moorage) reports that the residents have had great success with using solar trickle chargers on their boats' batteries during the winter. Since many of the residents were not using their boats during the winter months, the batteries were often dead by the spring time and would need to be replaced. The solar trickle chargers provide enough amperage to maintain the batteries over the winter, extending their life. Now that the boaters are able to keep their batteries longer, they purchase and dispose of fewer batteries. This is a great example of preventing pollution at its source by not generating a potentially hazardous waste (lead acid batteries) in the first place.

Ready-to-deploy boom

Stan Tonneson of Rocky Pointe Marina reported in their annual renewal that Rocky Pointe has installed an absorbent boom "quick response" system in their lower marina near the boatyard. Over the years, they



Deploying the quick response boom.

found that this area was an excellent spot to boom off and stop any fuel spill or oily bilge discharge from going further downstream. However, leaving a boom in the water full-time stopped the natural flow of normal debris and the boom itself got clogged up with dirty water. So Rocky Pointe devised a system where 50 ft. of pre-assembled boom is stored in a dock box and attached by a line to a piling on shore. When needed, the boom can be deployed by using a line and pulley attached to the ramp above. A single person can quickly lay the boom in less than 30 seconds, whereas it took over 10 minutes in the past.

Clean Marina Tips

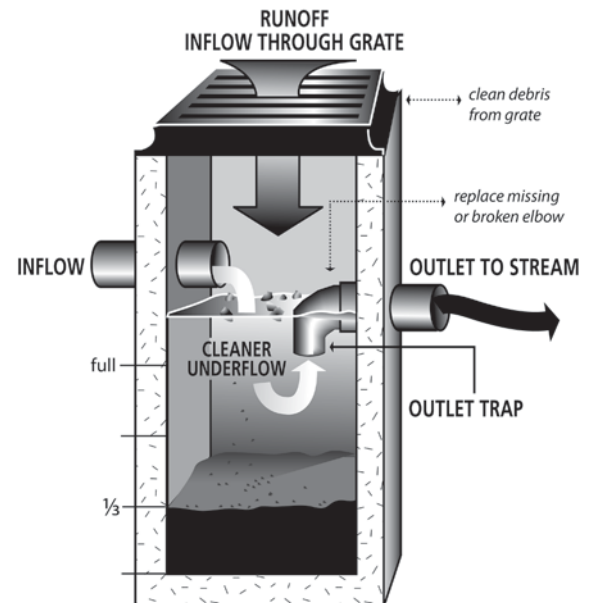
Checklist item #10: "Maintain and clean stormwater catch basins regularly."

The Clean Marina Program requires participants to maintain their onshore facilities in a manner that reduces adverse environmental impacts, and this includes managing stormwater runoff from buildings, parking lots, and other impervious surfaces. If your facility has a parking lot or other large paved area, you likely have catch basins to capture water during rain events.

Also called "storm drains," catch basins are designed to prevent flooding and to partially clean stormwater of trash and sediment before it is discharged into our waterways. In a properly functioning catch basin, stormwater enters through a grate (where large pieces of trash are filtered) and collects in an underground concrete tank where sediment and heavy debris settles to the bottom. The cleaner water then flows out of the tank to another catch basin downstream or to a swale, a stormwater pond, or directly to a stream or river. Many catch basins also have a downward-turned elbow on the outflow pipe to trap floating debris so it is not discharged into the waterway.

How to maintain your catch basins:

- Clean debris such as leaves and litter off the grate regularly to keep water flowing and to prevent back-ups.
- Look through the grate periodically to check the sediment level. If water is covering the outlet pipe (or downward turned elbow) it may be time to clean out the accumulated sediment in the tank.
- Sediment should be cleaned out of a catch basin when it is 1/3 to 1/2 full (as measured from the bottom of the basin to the outlet pipe). At a minimum, catch basins should be cleaned once a year.



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Environmental Services, City of Portland, Oregon

- You may want to hire a contractor to clean your facility's catch basins. Often they will use specially designed vacuum pump equipment (vactor trucks) that can clean the basins safely and efficiently.
- If the catch basin is not too deep, you may be able to clean it yourself using a bucket to remove the standing water and a shovel or a post hole digger to dig out the sediment.
 - Dispose of the water down the sanitary sewer (shop drain, sink, or toilet)
 - Let the solids dry and dispose of them properly. Solids removed from catch basins at commercial or industrial sites are usually not considered hazardous waste and may be disposed of as solid waste.
- Always put safety first!
 - Use caution when removing the grates as they may be heavy, don't leave an open grate unattended, and never climb into a catch basin (only professionals with training should enter drainage structures).



Cleaning out a catch basin at Coos Bay Yacht Club.

Consider additional measures to reduce pollution:

- Stencil or otherwise mark the grates of the catch basin with the message "No Dumping - Drains to River."
- Repair broken outlet traps (downward-turned elbows) or install them if they are missing.
- Parking lots are often contaminated with drips of oil, fuel, antifreeze, and other pollutants from vehicles and catch basins alone will not remove these pollutants. Place bilge socks or absorbent pillows in catch basins to remove oil and fuel; install catch basin inserts to remove heavy metals and small particulates.
- Don't allow vehicle washing in areas that drain to the storm drain system.

Sources:

Portland Environmental Services "Environmentally Responsible Best Management Practices #17 - Maintaining Catch Basins": www.portlandonline.com/bes/index.cfm?c=43858&a=149532

U.S. EPA "Stormwater O&M Fact Sheet - Catch Basin Cleaning": www.epa.gov/owm/mtb/catchbas.pdf

Oregon's Aquatic Environment

Fish Waste

I have heard from several marinas that getting people to comply with the "no fish waste in the marina basin" rule can be challenging. Below are some of the common questions and answers about fish waste. Hopefully, this information can help you to ease your angler's concerns and encourage them to help keep our waterways clean and healthy.

What are the rules regarding throwing fish waste back into the water in marinas, off fishing piers, or near cleaning stations? Are there different rules for fish carcasses and crab shells?

It is unlawful to dispose of animal carcasses (or parts) in Oregon waterways (ORS 164.785). No distinction is made between fish carcasses and crab shells. This means that anglers that clean their fish and crabs on shore need to dispose of the waste carcasses in the appropriate receptacles (if provided) or take the waste home.

Fish naturally die in the water. Why is it a problem to put fish carcasses and crab shells back in the water?

In small quantities, fish waste is scavenged by crabs and other marine animals and the remainders are decomposed by bacteria; however, large amounts of fish waste can overwhelm the natural system. In enclosed marina basins decomposition of excessive fish waste can produce foul odors and impair water quality through increased nutrient and bacteria levels and decreased dissolved oxygen. This can cause fish kills as well as an unsightly mess.

But dumping the fish waste back in the water provides food for crabs and other fish. If we don't dump the carcasses in the water, won't there be less fish and crabs to catch?

Our bays and estuaries already have sufficient food sources to attract fish and crabs. The addition of excess nutrients (in the form of fish cleaning waste) into shallow water and areas of limited circulation can actually impair water quality, increase algae and

bacteria levels, and result in decreased dissolved oxygen levels. Fish and crabs will naturally flee low oxygen zones, so the impact of poor water quality can outweigh the benefit of additional food. Additionally, a high concentration of fish carcasses could encourage unwanted animals (such as sea lions) to congregate in inappropriate areas.

What should individuals do with their fish waste?

One option is to clean fish offshore where they are caught and dispose of the waste over deep water. However, keep in mind that it is unlawful for anglers fishing from a boat to clean fish to the extent that the size or species cannot be determined prior to landing or to transport mutilated fish across state waters (2011 Oregon Sport Fishing Regulations, page 102, item #10). If fish are cleaned on shore, the waste can be disposed of in garbage receptacles (if allowed by the owner of the receptacle), frozen and reused as bait, buried in the garden as a fertilizer, or composted with peat moss.

Installing a fish cleaning station at your facility offers a valued service for your customers and provides an opportunity to keep fish waste out of the water. However, please remember that all sport fish cleaning stations need to send a letter to DEQ seeking approval if fish residuals are discharged into a waterway. If the residual discharge is less than 500 pounds per day, and the residual is cut into pieces of approximately one inch or smaller, and the discharge is not into a zone with limited circulation, then DEQ will send an approval letter. Otherwise, the facility will need to submit more information to both DEQ and ODFW seeking approval.

Some of the coastal Ports have found that so much fish waste is left in their dumpsters during peak fishing season that it becomes a nuisance (attracts sea gulls, creates a bad smell) and generates complaints from waste haulers. The Port of Astoria, the Port of Bandon, and Charleston Marina



Salmon Harbor Marina has fish cleaning stations and signs prohibiting the illegal disposal of fish waste.

(Port of Coos Bay) have all received permission from DEQ to dispose fish carcasses off shore on a daily basis during the peak fishing season as part of their sport fish cleaning approval.

If you have a sport fish cleaning station and you don't have an approval letter from DEQ or you would like to talk about your disposal options, please contact:

Mer Wiren – 503-229-5292 – Tillamook, Clatsop, Columbia, Washington, Clackamas, and Multnomah counties;

Tim McFetridge – 503-378-4995 – Benton, Lane, Lincoln, Linn, Marion, Polk and Yamhill counties;

Paul Kennedy – 541-687-7439 – Douglas County;

Andy Ullrich – 541-776-6010 – Jackson and Josephine counties;

Steve Nichols – 541-269-2721 – Coos and Curry counties.

List of Pledged Facilities

Detroit Lake Marina, Detroit
 Edgewater RV Resort and Marina, Foster Reservoir
 Embarcadero, Newport
 Lake of the Woods Resort, Klamath Falls
 Larson's Moorage, Portland
 Lex's Landing, Gold Beach
 Lost Creek Marina, Trail
 Paradise Moorage, Scappoose

Port of Bandon, Bandon
 Port of Gold Beach, Gold Beach
 Port of Port Orford, Port Orford
 Port of Garibaldi, Garibaldi
 River's Bend Marina, Scappoose
 Rogue Landing Resort, Gold Beach
 Pac Mar Marina, Portland
 Sundance Marina, Portland

List of Certified Facilities

Rocky Pointe Marina and Boatyard, Portland
 Jantzen Bay Marina, Portland
 Multnomah Channel Yacht Club, Scappoose
 Dikeside Moorage, Scappoose
 Tomahawk Bay Marina, Portland
 Hayden Bay Marina, Portland
 Portland Yacht Club, Portland
 River Place Marina, Portland
 McCuddy's Landing Marina, Scappoose
 Island Cove Floating Homes, Portland
 St. Helens Marina, St. Helens
 Scappoose Bay Marina, Scappoose
 Salmon Harbor Marina, Winchester Bay
 Rose City Yacht Club, Portland
 Port of Toledo, Toledo
 Columbia Ridge Marina, Portland
 Pier 99, Portland
 Port of Alsea, Waldport
 City of Depoe Bay, Depoe Bay
 Pier 39, Astoria
 Waverly Marina, Portland
 Odell Lake Marina, Crescent Lake
 Channel Island Marina, Portland
 Coos Bay Yacht Club, Lakeside
 Pelican Marina, Klamath Falls
 Charleston Marina, Charleston
 McCuddy's Island Marina, Portland
 Port of Newport, South Beach Marina, Newport



Willamette Sailing Club, Portland
 Port of The Dalles, The Dalles
 Port of Cascade Locks, Cascade Locks
 Big Eddy Marina, Portland
 Port of Siuslaw Marina, Florence
 Skipanon Marina, Warrenton
 McCuddy's Marine Drive Marina, Portland
 Oregon Yacht Club, Portland
 Cove Palisades Marina, Culver
 R.A. Rasmussen Sea Scout Base, Portland
 Waterside Marina, Portland
 Kanes Marina, Detroit
 Port of Umatilla Marina, Umatilla
 Irrigon Marina, Irrigon
 Port of Astoria - West Mooring Basin, Astoria
 Port of Astoria - East Mooring Basin, Astoria
 Port of Astoria - Pier 3 Boatyard, Astoria
 Janzen Beach Moorage, Portland
 Columbia Point Yatch Club 1, Portland

New format for *Clean Marina News*

The Clean Marina newsletter has a new format! In addition to highlighting any recently certified facilities and changes and updates to the Clean Marina Program, we will have four recurring features: *Aquatic Invasive Species Update*, *Pollution Prevention Success Stories*, *Clean Marina Tips*, and *Oregon's Aquatic Environment*. In the *Aquatic Invasive Species* (AIS) feature, we will get an update from Glenn Dolphin on any changes to the permit program, current AIS infestations, and news of any emerging threats. For the *Pollution Prevention Success Stories* feature, we will be looking at innovative products and practices used by our certified facilities. If your facility is doing something that goes above-and-beyond the requirements, let us know about it and get recognition in our newsletter! *Clean Marina Tips* is a feature that will explore in depth one of the Clean Marina "best management practices" listed on the Checklist and/or in the Guidebook or another environmental management topic. Finally, in the *Oregon's Aquatic Environment* feature we will cover an environmental issue that may be of interest to marina managers, boaters, or anyone who uses our waterways.



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For information about the Clean Marina program or this newsletter, contact:
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rachel.e.bullene@state.or.us

What is the Clean Marina Program?

The Oregon Clean Marina Program is a voluntary program that recognizes marinas, boatyards, yacht clubs, and floating home moorages with ten or more boat/home slips that, along with being in compliance with environmental regulations, use a high percentage of environmentally responsible practices. The Clean Marina Program recognizes these facilities by designating them as “Oregon Clean Marinas.”

The program is sponsored by the Oregon State Marine Board in partnership with the Oregon Coastal Management Program, the Lower Columbia River Estuary Partnership, Oregon State University Extension Service-Sea Grant Program, and the Oregon Department of Environmental Quality.



The flag is a signal to boaters that a marina is doing its part to protect the cleanliness of Oregon waterways.

Program Participation Benefits

Each certified Clean Marina receives:

- Oregon Clean Marina flag
- Framed certificate
- 45-gallon dockside spill kit
- Access to free signs with environmental messages

These items, along with the authorization to use the Clean Marina logo and recognition in Marine Board publications, are a few of the benefits to participating marine facilities.

If you would like to see the flag flying at your facility, contact Rachel Bullene, Clean Marina Coordinator, at 503-378-2836, rachel.e.bullene@state.or.us, or visit www.boatoregon.com/OSMB/clean/index.shtml