



Oregon Clean Marina News

Oregon State Marine Board

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Come Join Oregon's Effort to Protect Clean Waterways

I hope that everyone had a wonderful summer. My first full year is now behind me and it's been exciting to see the interest grow in the Clean Marina Program! As you read this issue of the newsletter, it has been two years since the program was launched. In that time, more than 10% of the marinas statewide have become certified. In addition, there are 25 marinas that have signed the program pledge form indicating their interest in pursuing certification. I am encouraged by the progress that has been made to date. However, I also realize that there is a long way to go in order to ensure Oregon's waterways remain pollution free and protected for future generations to enjoy.

If you are currently not participating in this voluntary program you might be asking yourself, why should I join? You might be a small marina with only a few boat slips and no fuel station, so does it apply to you? Maybe your facility already meets environmental laws and you maintain a clean facility, so why bother? These are valid questions, but I would encourage everyone to look at the program a little closer to see what it has to offer.

Most people in this industry are here because they love the great outdoors and the freedom away from city life. If every marina where to maintain a healthy, clean environment, the boating industry would be able to sustain itself into the future. Isn't it far better to have a voluntary compliance program available to you that offers free services, assistance and benefits, rather than a required regulatory mandate? Imagine if the following conditions where at your facility:

- Your boat ramp or moorage area becomes infested with aquatic weeds that get tangled up in boat motor props.
- Oil slicks exist at your fuel dock from leaky pipes or drips from careless fueling.
- Boats at your marina become encrusted with quagga or zebra mussels (more on page 7).
- Invasive fish species take over a waterway, ruining a favorite fishing area.

To help avoid these conditions from occurring in your waterbody, I encourage you to consider joining the Clean Marina program. Become part of a dedicated group of facilities that have all taken that extra step. Show others in the marine industry that you are a proven, responsible steward of the environment. Seek out the only environmental certification available to marinas in Oregon. To find out more about the program contact me (Glenn Dolphin) at (503) 378-2625 or glenn.dolphin@state.or.us and we can discuss how this program can and will benefit you.



Pier 39 receives program rewards. Floyd Holcom Facility Director on left, Glenn Dolphin Clean Marina Coordinator on right.

Inside this issue:

New Program Benefits	2	Certified/Pledged Marinas	6
Newly Certified Marinas	2-5	Help Stop Aquatic Invaders	7
Oil Spill Training Workshop	5-6	What is the Clean Marina Program?	8





New Program Benefits

As the Clean Marina program grows and evolves, I anticipate that new benefits and services will be introduced to help facilities implement the goals of the program. If you are a certified or pledged marina, you will already have received notice of these new program features. If you haven't, please contact me so I can send you the order forms.

Here are the new and exciting benefits:

- First: Once you have joined the program (either by signing the pledge form or becoming certified), you are eligible to place orders with the Marine Board for signs that contain environmental messages. You can preview some example signs on pages 11-13 in the program guidebook, or a custom sign can be purchased for you. If you haven't received a free copy of the program guidebook yet, contact the Clean Marina Coordinator to place your order. Or view the guidebook online at our website: www.boatoregon.com then click on the Clean Marina link.
- Second: Certified facilities are now eligible to order from the Marine Board a rotating, literature display rack. The Marine Board publishes brochures and guidebooks on a variety of subjects that are informative and useful to boaters recreating on Oregon's waterways. By providing and displaying such information, the Clean Marina Program promotes environmental stewardship to members of the public that use your facility.

On a national scope, the Association of Marina Industries (AMI) is providing certified Clean Marina owners and employees a special 5% discount on all trainings through its subsidiary training arm, the International Marina Institute (IMI), and on full-conference passes to the International Marina & Boatyard Conference (IMBC) in Atlanta, Georgia, from January 19–22, 2008. If you are interested in taking advantage of this discount through AMI, please contact me for the official request form. There are other benefits that are currently being worked on, but you need to be an active participant to receive them. Stay tuned for future benefit updates.

Newly Certified Clean Marinas

Port of Alsea

It was a sunny day back in June of this year when the Port of Alsea in Waldport hosted its certification evaluation. This might be a small facility with only 15 boat slips, but the Port has taken big steps towards protecting Alsea Bay's water quality. They include:

- Upgraded its parking lot and directed all of the stormwater runoff into a catch basin.
- Incorporated new boater best management practices into their moorage agreement.
- Posted additional signs regarding aquatic nuisance species and oil spill reporting.
- Started a new garbage recycling program.
- Developed an emergency response plan, and actively distribute boater spill prevention kits.



Parking lot catch basin for stormwater collection and infiltration.



Newly Certified Clean Marinas

Depoe Bay

The Depoe Bay Harbor also became a certified Clean Marina during June. This 120 boat slip marina is managed by the City of Depoe Bay and boasts a lot of marine activity in a compact area. One of the biggest and most recent projects has been the re-location of its fueling station. With the new system, all of the fueling components are off the docks and into a building located adjacent to the up-land parking lot. Since a retractable hose is now used to fuel boats, Depoe Bay has eliminated the need for transfer pipes over the water. Depoe Bay also:

- Joined the list of other certified facilities that have gone through an update to their written moorage rules.
- Actively manages fish waste and carcasses preventing them from entering the Bay.
- Directed parking lot runoff into grassy areas through cutouts in parking lot curbs.



Depoe Bay Harbor

- Started a new recycling program.
- Manages a used oil recycling tank.
- Maintains a boat sewage pump-out station.

Pier 39

Located in Astoria on the Columbia River, Pier 39 is a privately run facility with a long history of being a valued member of the local business community. It is currently a small moorage facility with mostly temporary moorage tie-ups, but there are plans to build permanent slips. By joining the Clean Marina Program, Pier 39 has shown that even small facilities can make a difference in protecting the environment. Some of the many environmental practices that are being implemented at this facility include:

- A garbage recycling program.
- Updated moorage rules.
- A detailed emergency response plan.



Pier 39 facilities.

- A conveniently located boat sewage pump-out station.
- Management of an indoor boat storage area.

Odell Lake Resort Marina

In July 2007, the Odell Lake Resort Marina became the first facility located within the Cascade Mountains to become certified and met the program standards with ease. Situated on scenic Odell Lake within the Deschutes National Forest, the resort operates under a special use permit from the USDA Forest Service. Lots of vegetation grows along the lake shore, and parking areas are covered with gravel instead of pavement.

(cont. on next page)



Newly Certified Clean Marinas

Odell Lake Resort Marina - cont.

This facility truly blends in well with its surrounding environment. Signs are posted to alert marina tenants of aquatic invasive species, and the fuel storage tank is housed in a building with adequate emergency spill containment. Odell Lake Resort also does the following:

- The resort staff actively hands out the boater spill kits to visiting users.
- They updated their written rules and regulations.

These practices are just a few of the activities that this marina engages in to protect the environment, making it a perfect fit into the Clean Marina Program.



Entrance sign for Odell Lake Resort.

Waverly Marina

Located in Portland on the Willamette River, Waverly Marina earned its certification status in August. This private marina with 150 boat slips incorporated new projects with existing practices to meet the program standards. Waverly already had a boat sewage pumpout station (for members only), a fuel station, and an oil/water separator located in a stormwater catch basin.

New items include:

- A garbage recycling program.
- Updated marina rules and regulations.
- A written emergency response plan.
- Signs about aquatic invasive species, and distribution of boater spill prevention kits.



Waverly Marina boat slips.

Channel Island Marina

Located on the Multnomah Channel in Portland, Channel Island Marina is another excellent example of a facility that already had existing conditions that met the majority of the Clean Marina standards! It is a private, floating home moorage with 19 homes and 18 boat slips. Channel Island already featured an impressive garbage recycling program, lots of vegetation in the riparian area (the zone between the waters edge and the upland), and a large stormwater catch basin that collects all of the parking lot runoff for infiltration. New activities include:

- Updated moorage by-laws.
- Posted signs for reporting oil spills.
- Distribution of Oregon's Clean Boaters Guide.
- The compilation of an emergency response plan.

(See photo on next page)



Newly Certified Clean Marinas

Coos Bay Yacht Club

The most recent facility to become certified (September 2007) is the Coos Bay Yacht Club. Located on Tenmile Lake near the small coastal town of Lakeside (just north of Coos Bay), this private club with 60 boat slips is quietly nestled in a beautiful, forested setting. The shoreline of this club's property has virtually been untouched, except for the small boat ramp and the gravel path leading to the docks. In addition, this club:

- Maintains a garbage recycling program and requires all trash generated on the property be taken off site after every event.
- Updated its restrooms and keeps the septic system in great working condition.
- Has virtually no stormwater runoff from the site because of minimal pavement.
- Requires its members to work on their boats in a designated area that will not impact water quality.



Coos Bay Yacht Club docks.

The Board of Directors also added two activities: to adopt all of the recommended Clean Marina rules and to develop a written emergency response plan to be kept in the clubhouse.

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Oil Spill Training Workshop

On October 11th 2007, a workshop was held in Portland at the Jantzen Bay Moorage for staff and managers of participating Clean Marinas. Columbia Crossings, who owns the Jantzen Bay Moorage, graciously hosted this workshop at their facility, where 17 participants from 10 different marinas were in attendance. The workshop focused on how to respond to a small oil spill and included the following topics:

- Oil spill reporting and notification.
- Safety and health considerations.
- Equipment familiarization/storage and maintenance.
- Booming techniques.
- Decontamination and disposal of used equipment and a hands-on display with several boats.

The main objective of this workshop was to provide basic information to marina staff on how to handle the first hour after an oil spill. Afterwards, all of the participants expressed interest in attending an official, 8-hour course to obtain a "First Responder Operations" certification. This course is proctored by a private company that specializes in oil spill and hazardous waste clean-ups.

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Channel Island Marina parking lot catch basin.



Oil Spill Workshop cont.

The workshop was sponsored by the Oregon State Marine Board, and presentations were given by: the Oregon Department of Environmental Quality, U.S. Coast Guard, Clean Rivers Cooperative Inc and Portland Sea-Tow (private oil spill response contractors).

In related news, it has been determined that the current inventory list for the spill kits that are awarded to certified facilities should include a better supply of materials. During the month of December, additional spill kit items will be sent out to all certified marinas. This updated inventory will be the standard for all new kits that are ordered and distributed. I would like to thank Tim Acher with Clean Rivers Cooperative Inc. for lending his professional expertise on this subject.

In other news, certified marinas that use their provided spill kits to respond to small spills need to report them to the appropriate authorities (1-800-OILS-911 and USCG). Please then in-

form me when you have an incident at your facility within a few days and take pictures of the event (with your materials in the water). If you provide me with this information, I can restock your spill kit to replace the used items.



Demonstration during workshop

Certified Clean Marinas

1. Rocky Point Marina & Boatyard, Portland
2. Jantzen Bay Marina, Portland
3. Multnomah Channel Yacht Club, Scappoose
4. Dikeside Moorage, Scappoose
5. Tomahawk Bay Moorage, Portland
6. Hayden Bay Moorage, Portland
7. Portland Yacht Club, Portland
8. River Place Marina, Portland
9. McCuddy's Landing Marina, Scappoose
10. Island Cove Floating Homes, Portland
11. St. Helens Marina, St. Helens
12. Scappoose Bay Marina, Scappoose
13. Salmon Harbor Marina, Winchester Bay
14. Rose City Yacht Club, Portland
15. Port of Toledo, Toledo
16. Columbia Ridge Marina, Portland
17. Pier 99 Inc., Portland
18. Port of Alsea, Waldport
19. City of Depoe Bay, Depoe Bay
20. Pier 39, Astoria
21. Waverly Marina, Portland
22. Odell Lake Resort Marina, Crescent Lake
23. Channel Island Marina, Portland
24. Coos Bay Yacht Club, Lakeside

These 25 Marinas Have Taken the Clean Marina Pledge!

Big Eddy Marina, Portland
 Charleston Marina, Charleston
 Detroit Lake Marina, Detroit
 East Mooring Basin, Astoria
 Embarcadero Marina, Newport
 Irrigon Marina, Irrigon
 Larson's Moorage, Portland
 Lex's Landing, Gold Beach
 McCuddy's Island Marina, Portland

McCuddy's Marine Drive Marina, Portland
 Pelican Marina, Klamath Falls
 Pier III Boatyard, Astoria
 Port of Bandon, Bandon
 Port of Cascade Locks, Cascade Locks
 Port of Gold Beach, Gold Beach
 Port of Port Orford, Port Orford
 Port of Siuslaw, Florence

Port of The Dalles, The Dalles
 Port of Garibaldi, Garibaldi
 Rasmusen Sea Scout Base, Portland
 River's Bend Marina, Scappoose
 Rogue Landing Resort, Gold Beach
 Skipanon Landing & Marina, Warrenton
 South Beach Marina, Newport
 West Mooring Basin, Astoria





Oregon offers wonderful boating opportunities across the state. The boater in Oregon can choose from visiting our spectacular coastline, taking a cruise up the Columbia River, finding a pristine lake high up in the Cascade Mountains, or escaping to Eastern Oregon for some wide open desert landscapes. However, all of this beauty is jeopardized when an invasive species enters a water body.

Many of you have likely heard about the invasion of Diamond Lake by the tui chub. By 2004, their population had reached an estimated 98 million, and the effects were devastating:

- The rainbow trout fishery dramatically declined.
- Poor water quality conditions contributed to frequent, toxic algae blooms.
- A sharp decrease in the number of boaters visiting the area took its toll on the local economy.
- It took almost \$6 million in State and Federal dollars to kill the tui chub, restore the water quality, and bring back the trout fishery.

Currently this next highlighted invasive species has not been found in Oregon, but they have shown themselves to be a huge threat to our freshwater ecosystems. I am referring to the zebra and quagga mussels. Originally native to Eastern Europe/Western Asia, these mussels invaded the Great Lakes during the 1980's, coming over in the ballast water of shipping vessels. Both of these species have since spread throughout the Eastern and Mid-Western States by attaching themselves to boat hulls, engines, and trailers. Here are some alarming facts:

- The mussel can survive for up to 3 weeks out of water.
- After attaching to a surface and hitching a ride, they have the ability to detach themselves from a surface and make a new home.
- The microscopic larvae can survive in live wells, engine cooling systems, and other sources of standing water in boats.
- Female adults can produce up to 1 million eggs during each reproduction season.



Quagga mussels come in many different sizes.

During January of 2007, the quagga mussel was unfortunately discovered in Lake Mead, making it the first confirmed population on the West Coast. This past summer, the quagga mussel was also detected in the lower Colorado River system, including: Lake Mohave, Lake Havasu and several lakes and reservoirs in Southern California East of San Diego.

To illustrate how aggressive and harmful these mussels can be to an ecosystem, I found the following information. Researchers working on Lake Michigan found that quagga mussels are out competing and taking over previously invaded areas by the zebra mussels at an alarming rate.

- In the year 2000, scientists found an average of 899 zebra mussels per square meter (3ft x 3ft).
- During follow-up surveys in 2005, they found an average of 7,790 quagga mussels per square meter at the same monitoring sites.

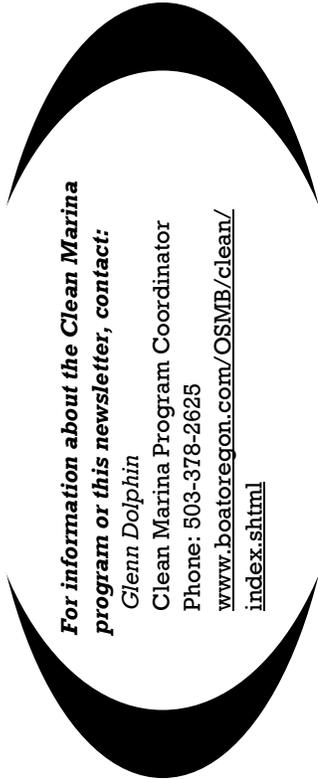
Not only can these mussels negatively affect the environment, but they can be costly to boat owners, who will have to unclog props and cooling systems. They can be costly to marina managers, who will need to allocate more time and money to clean underwater structures. And if they make it to the Columbia River, they will clog dam intake structures and turbine cooling systems, leading to increased power rates for Oregonians, making it costly for everyone. Please join the Oregon State Marine Board and help us get the word out to boaters that they need to be washing and cleaning their boats before they launch into Oregon's waterways. Especially be on the lookout for boats that are visiting from other states. Strike up a conversation with them and ask if they know about aquatic invasive species. Become part of the all-important prevention strategy and help protect our waterways. Oregon has many wonderful places to go boating. Lets work together to keep it that way.

Oregon's invasive species reporting number is: 1-866-INVADER





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For information about the Clean Marina program or this newsletter, contact:
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www.boatoregon.com/OSMB/clean/index.shtml



What is the Clean Marina Program?

Oregon Clean Marina 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 “Clean Marinas”.

The Oregon Clean Marina program is sponsored by the Oregon State Marine Board and is 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.

<i>Program Participation Benefits</i>
Each certified Clean Marina receives:
<ul style="list-style-type: none"> • Oregon Clean Marina flag • Framed certificate • 55-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.

For more information on how to have the flag fly at your facility, contact Glenn Dolphin the Clean Marina Coordinator at 503-378-2625, glenn.dolphin@state.or.us, or visit www.boatoregon.com/OSMB/clean/index.shtml

