



THE CHANGING TIDE

Spring 2007

The ocean takes care of us. **Let's return the favor.**

The NOAA National Marine Sanctuary Program and California Resources Agency have partnered to raise ocean awareness in California by launching the statewide *Thank You Ocean* Public Awareness Campaign.

The campaign is a grassroots effort supported by the California Ocean Communicators Alliance, a growing group of more than 100 ocean related organizations, agencies, and businesses in California. The Alliance was formed when NOAA, the State of California, and aquaria partners gathered ocean communicators from across the state for workshops that involved developing common ocean messages for California.

The *Thank You Ocean* website calls attention to the ocean as a vital resource and highlights the five things you can do to thank the ocean:

-  *Learn about the Ocean*
-  *Experience the Ocean*
-  *Respect the Ocean*
-  *Choose the Ocean*
-  *Make a Difference*

Continued on back cover



Without the millions of tourists who flock to the ocean every year, California's economy would be, well, sunk. The ocean supports us. Let's return the favor. Go to thankyouocean.org to find out how you can help.

thankyouocean.org



bay restoration foundation
STEWARDS OF SANTA MONICA BAY



CALIFORNIA
COASTAL
COMMISSION



A California Clean Boating Network Publication Presented by the Santa Monica Bay Restoration Foundation, California Coastal Commission, the State Water Resources Control Board, and the California Bay Delta Program in cooperation with the California Department of Boating and Waterways and the California Integrated Waste Management Board

Marina del Rey Bilge Pad Exchange Relaunched

The Bilge Pad Exchange Program at Del Rey Fuels in Marina del Rey is up and running!

Boaters can now pick up new absorbent pads and recycle used ones at the Marina del Rey fuel dock. *Just ask the guys in the Aloha shirts.*

Part of the exchange program at Del Rey Fuels and other Southern California locations involves training and recruiting fuel dock staff to be keepers of their local harborwaters. Fuel dock staff hand out a new pad to every interested customer, along with a *How to Use an Oil Absorbent* brochure.

Every two months, CRI Recycling Services Inc. picks up drums of oily bilge pads and sends them to the recycling plant. CRI's recycling process has no wastewater effluent, requires no landfilling of any residual material, and has no air emissions from the oil contaminants reclaimed. The used oil is reclaimed and refined and the absorbents are recycled into new absorbents.

With the help of the fuel dock staff at Del Rey Fuels, the exchange program has collected an estimated 217 gallons of oil.

Composed of polyethylene adsorptive fibers designed to absorb fuel and oil while "repelling" water, boaters use these pads to catch drips while fueling up and cleanup spills during engine maintenance.

A pad in the bilge of the boat will soak up any petroleum products when bilge water, often contaminated with oil, diesel, and other hazardous substances is pumped overboard along with the water. With the help of a bilge pad, only clean water is pumped overboard and not the oil. What an easy way to keep oil out of the water!

Absorbent pads can collect from 12 ounces to 1 gallon of oil. On average, absorbent pads placed in the bilge can last up to six months.

In the coming months, watch out for special bilge pad giveaway days. Stop by and get a boater kit containing a new bilge pad, a Southern California Boater's Guide, and other clean boating materials.

Training and educational materials are provided by the Santa Monica Bay Restoration Foundation.

Contact Grace Lee at (213) 576-6648 or glee@waterboards.ca.gov for more information.



Meet the newest members of the Marina del Rey Bilge Pad Exchange Program at Del Rey Fuels, Tony Velardez and Troy Litke.

"Making the Connection"
A Clean Boating Conference



Save the Date!
May 17 & 18, 2007

As the first quarter of 2007 comes to an end, Project-GreenWorks is looking forward to the upcoming boating season. So, what is happening in the OC this year?

With Proposition 13 funding from the State Water Resources Control Board, Project Greenworks will be hosting a **Clean Boating Conference on May 17 & 18, 2007**. Along with the USCG-A, California Coastal Commission and many other agencies, this two day event will offer field trips to the Upper Newport Bay & Bolsa Chica Wetlands, a Dockwalker Training seminar, as well as the main Conference. The event is intended to promote "Making the Connection" between those working to protect our waterways (i.e., the agencies and organizations) and both the boating businesses and recreational boater.

Quagga Mussels found in Lake Mead

Public Asked to Help Halt Spread of Quagga Mussel

The invasive Quagga mussel has been discovered in California and the public is being asked to help prevent its spread. A public toll-free number, **1-866-440-9530**, has been established for boaters and anyone involved with activities on lakes and rivers seeking information on the invasive and destructive Quagga mussels. The toll-free number is available Monday through Friday, 8 a.m. to 7 p.m.

"With the discovery of the Quagga mussel in California last month, we are taking the necessary steps statewide to prevent their spread here," said Secretary for Resources Mike Chrisman. "It is critical that we enlist the public's help. Once the Quagga are established in a waterway, they will have significant environmental, recreational, and economic impacts."

Although they range from microscopic to the size of a fingernail, they are prolific and attach themselves to any hard surface. In the Great Lakes area, Quagga mussels have covered everything from boat engines and steering equipment to water transport facilities. They also wreak havoc with the environment, disrupting the natural food chain and releasing toxins that affect other species. Spread of the Quagga could result in millions of dollars in damage to water transport facilities.

Boats are the primary transporters of Quagga mussels. All boaters and anyone connected to freshwater aquatic environments should take the following steps to inhibit the spread of the Quagga mussel:

- ✓ **Thoroughly wash the hull of each watercraft once it is out of the water, removing all plants and animal material**
- ✓ **Drain any water through the vessel's hull plug, and ensure the area is dry**
- ✓ **Ensure the vessel's lower outboard unit is drained and dry**
- ✓ **Clean and dry any live-well aboard the vessel**
- ✓ **Empty and dry any buckets**
- ✓ **Any vessel traveling from Lake Mead or the Colorado River should remain dry and out of water for five days**
- ✓ **Dispose of all bait in the trash**



Quagga Mussel: actual size is 20 mm

For more info go to: www.dfg.ca.gov/quaggamussel



Keep the Delta Clean Phase II: The Delta Boating Program

Contra Costa County's "Keep the Delta Clean" Program (KDC) was created in 2003 in response to the need to balance the Sacramento-San Joaquin Delta's many precious resources with growing urban and recreation populations in and around it. Through successful partnerships with marina operators, boaters, other Delta Counties, the California Coastal Commission, and Department of Boating and Waterways, the KDC Program has worked to educate boaters about safe and environmentally friendly boating while improving access to pollution prevention services at marinas throughout the Delta.

In September 2006, the County applied for and was awarded a Proposition 40 Grant from the State Water Resource Control Board to implement Phase II of the Keep the Delta Clean Program. This continuation of the initial pilot program is innovative in that it will treat the Delta as a region rather than as composed of disparate jurisdictions. This will be accomplished through a partnership between all five Delta counties: Sacramento, San Joaquin, Yolo, Solano, and Contra Costa, the City of Stockton, the California Department of Boating and Waterways and the California Coastal Commission collectively known as the Delta Boating Program (DBP). The DBP will implement free pollution prevention infrastructure, such as used oil recycling sheds and fishing line recycling stations among other things, and outreaching to boaters throughout the Delta using our popular boater kit and Delta boater map.



Oil Recycling shed from Phase I of KDC



Phase II of the Program is based on the successes and lessons learned in Phase I of the KDC. The direct knowledge gained from the KDC

program will ensure effective and timely implementation of the proposed expansion throughout the Delta serving a larger geographic region and a population of approximate 170,400 boaters.

For more information about the Keep the Delta Clean Program, please call Dan Jordan (925) 313-2023.

DOCKWALKER

Congratulations to the 2006 Keep the Delta Clean boater survey winners!

During the 2006 boating season, the Keep the Delta Clean Program, in a partnership with the California Coastal Commission and Department of Boating and Waterways' Boating Clean and Green Campaign, surveyed boaters throughout the Delta to learn about their boating habits and how to better serve them. This was done with the assistance of many people including volunteer Dockwalkers. The following three Dockwalkers administered and returned the most surveys. They each received a jacket generously donated by West Marine.

Cory Wiest with Advanced Marine Center

Allie Fidler with the League of Women Voters

James Fitzgerald with UC Davis Office of Boating Safety Bodega Marine Laboratory



James Fitzgerald

Thanks to all who participated! The Keep the Delta Clean program will soon be ramping up its surveying for the 2007 boating season. To learn how to become a Dockwalker and sign up for future free trainings, please contact the California Coastal Commission and Department of Boating and Waterways' Boating Clean and Green Campaign, Vivian Matuk at (415) 904-6905

News from the Delta Chapter

The Delta Chapter is implemented with the support of: Contra Costa, Sacramento, San Joaquin, Solano, and Yolo Counties; City of Stockton; California Coastal Commission; and Department of Boating and Waterways

SEPTIC BROTHERS: Sewage Pump-Out Brought to You DELTA DESTINATION SERIES



By DENNIS VANONI

The Septic Brothers Marine Pump Out Service started with two guys from different backgrounds, Thornell Washington and Dennis Vanoni. Thornell was born a native to the Stockton area and is still working in the public transportation industry. Dennis is now retired from the aerospace industry after over thirty years. They have a common bond, however: the waterways of the Sacramento Delta.

They first met when Thornell purchased a PWC from Dennis. The two completed the sale of the watercraft over lunch with their wives one spring day on board Got Wine, Dennis's houseboat. Thornell and his wife Carla and Dennis and Dianna talked about the problems that had arisen on the Delta since they began visiting it. Dennis and Thornell found that they had between them over 50 years of experience on the Delta. Thoughts turned to the common idea shared by Dennis and Thornell that septic waste was a problem in the degradation of the environmental condition of the Delta.

The answer to these concerns for the Delta seemed simple; we needed a boat that could, as our slogan says, "Bring it to you." Our focus turned to finding a solution that would work for us as partners in a business that would work for us as partners in a business designed to collect septic waste from boaters and

safely dispose of it at a designated waste disposal site. After meetings with the EPA, Coast Guard, Fish and Game, and the Local Sheriff we looked for, and soon found, a boat: the Waste Knot

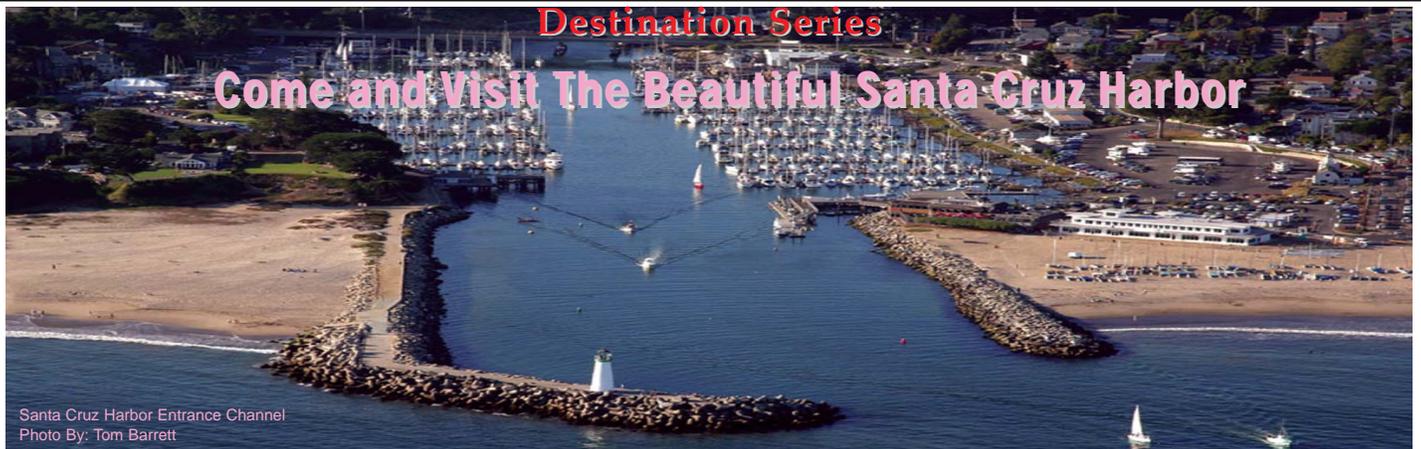
We decided to call our new business Septic Brothers Marine Pump Out Service and we are based out of Village West Marina in Stockton. We serve boaters both at anchor and in their slips from Discovery Bay to Antioch and from Stockton to Walnut Grove. Our service will be offered from dawn to dusk Monday through Saturday with emergency service on Sunday as required.

Thus far we have donated money to the Discover the Delta Foundation and attended multi institutional meetings on the effect of boaters on the environment of Delta. We intend to involve ourselves in all issues involving the cleanup and use of the Delta. If there is a message we would like to promote it would have to be: *Help us help the Delta! PUMPOUT at a designated site or call the Septic Brothers to help you, but please do not dump waste in our beautiful Delta.*

You Can Keep the Delta Clean by Using Pumpouts and Dump Stations at Marinas to Properly Dispose of Boat Sewage.

- All boats with onboard toilets must be connected to a Coast Guard-approved Marine Sanitation Device (MSD).
- Look for holding tank disinfectants and deodorizers that **do not** contain chlorine or formaldehyde. These chemicals harm fish and aquatic life.
- If you have a Y-valve, make sure it is secured in a closed position (use a padlock or wire tie).

For more information please visit www.septicbrothers.com or call 209-329-0768 or 209-329-7771



Destination Series

Come and Visit The Beautiful Santa Cruz Harbor

Santa Cruz Harbor Entrance Channel
Photo By: Tom Barrett

Tourists found Santa Cruz after the Gold Rush in the 1870's. The beaches, the mild climate, the wonderful happenstance of mountains and trees interlocking at the ocean's edge. Santa Cruz has always had that resort atmosphere.

Facilities for Boaters

Santa Cruz Harbor was constructed in 1964. Over the years, the north harbor was added, and also dry storage. Today, Santa Cruz Harbor is home to 1,300 vessels including commercial fishing boat, cruising boats, racing sailboats, among others. Additionally, there is 2,000 feet of guest dock space and a new, 5-lane launch ramp providing convenient access to the Monterey Bay National Marine Sanctuary.

The harbor is home to a commercial fishing fleet of approximately 40 boats. Additionally, fish off-loading service and ice facilities are available to visiting commercial fishing boats. A 60-ton travel hoist at Aquarius Boat Works provides routine and emergency haul-out in a modern, fully environmentally-contained repair yard.

The 5-year old fuel pier facilities, operated by MTM Sportfishing and Marine Supply, provide year-round services. The harbor also provides a variety of environmental services to the boating community (see box below).

What's there to do at the harbor? You don't have to own a boat, or even be a boater to enjoy Santa Cruz Harbor. Here are a few activities you'll find: kayaking; sailing; fishing on a party boat; riding the free water taxis around the harbor; walking the 2-mile harbor perimeter walk and enjoying the self-guided tour stations; dining at one of the harbor's five restau-

rants; relaxing at the *Yvonne Setzer-Rolfe Plaza* which interfaces the harbor beach and harbor commercial area; strolling through the *Joseph G. Townsend Maritime Plaza*, which overlooks the harbor navigation channel; walking through the harbor; playing volleyball at the harbor beach; or, just watching the boats!



Santa Cruz Harbor Entrance Channel
Photo By: Tom Barrett

The Natural Environment

Since its discovery in the 1800s, the Santa Cruz community has worked diligently to ensure that its core attractions are always enhanced. The commanding beauty of its beaches, cliffs and the Monterey Bay are recognized and protected environmental assets for the community.

And so it was completely in keeping when the Monterey Bay became a national marine sanctuary in 1993, with Santa Cruz Harbor serving as a major gateway. Just outside the harbor's jetties are natural wonders - an expansive Giant Kelp forest, with abundant otters and sea life; pristine waters where salmon, albacore, Dungeness Crab, and black cod live and provide sustainable food sources; the second deepest submarine canyon in the world, teeming with yet undiscovered species and miles of beaches that line either side of the harbor.

Contributing Writers: Brian E. Foss (Santa Cruz Port Director) and Vivian Matuk (Boating Clean & Green Campaign)

Services for Environmentally Sound Boating in Santa Cruz Harbor

Sewage Pumpout:	FREE	Oil Absorbent Distribution:	FREE
Bilge Pumpout:	FREE	Oil Absorbent Collection:	FREE
Used Oil Collection:	FREE		

News from the Northern Chapter



NEW Clean Boating Posters



The **Boating Clean and Green Campaign** is distributing **FREE** Clean Boating Posters (16" x 24") to marinas, yacht and sailing clubs, marine supply stores, fishing associations and boat launch ramps. The posters showcase the new program mascot *Reilly the Rainbow Trout* and promote clean boating practices to ensure that safe and clean boating is part of the boaters' experience enjoying California waterways.

The new clean boating posters address topics such as fueling, sewage, boat cleaning and maintenance, oil and hazardous waste, trash and marine debris management. "The posters were developed to increase boater awareness on clean and safe boating practices. Boaters are more likely to employ clean boating habits if they are given access to convenient environmental services and are educated on environmentally sound boating

practices," said the CalBoating and the California Coastal Commission's Environmental Boating Program Coordinator, Vivian Matuk.

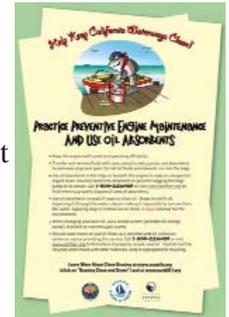


The Campaign recommends posting these free posters on areas easily accessible to the boating community including bulletin boards, facility entrances, informational kiosks, marinas, harbor or yacht club offices, dock entrances, boat launch ramps, and fuel docks.



For information about the new Clean Boating Posters, to place your order and for exact poster language, visit www.coastfor4u.org (Click on **Boating Clean and Green**) or contact Vivian Matuk at (415) 904-6905 or vmatuk@coastal.ca.gov.

Maximum order per poster is two for each design



The **Gulf of the Farallones National Marine Sanctuary** has started a **"Seabird Colony Protection Program."** The goal of the Program is to improve the survival of California's seabird species by reducing human disturbances at their breeding and roosting sites from Point Sur to Point Reyes. When human disturbances occur near seabird colonies, birds can vacate their nest, leaving their eggs and chicks unprotected from predators and adverse weather conditions.



Tufted Puffin

Vessels close to colonies can disrupt breeding activities and cause adults to permanently abandon their nests. Here are some tips to help protect seabirds:

- ✓ Avoid rocks, reefs, and islands where seabirds rest, feed and nest.
- ✓ Note bird behaviors such as head bobbing, calling, or fluttering. These are signs that you are too close.

Protect California Seabirds

- ✓ While fishing, keep all food and bait covered. Do not throw fishing line overboard, and use barbless hooks or artificial lures when possible.

For real-time viewing, visit the Common murre camera at Devils' Slide Rock. <http://www.fws.gov/sfbayrefuges/Murre/murrehome.htm>

Look for more information about the Seabird Colony Protection Program in the summer issue of the Changing Tides Newsletter.



Brown Pelican



Common Murres

Photos By: Gulf of the Farallones National Marine Sanctuary

For more information about the program visit our website. <http://farallones.noaa.gov/ecosystemprotection/seabirdprotect.html> or contact us at california.seabird@noaa.gov



Participate in the Thank You Ocean Campaign

Help Spread the Message

Go to:

www.thankyouocean.org

for *Thank You Ocean* materials to wear, put on your boat, your car, or your wall.

Join the California Ocean Communicators Alliance

The Alliance would like to invite communicators in the boating community and the marina industry to join the network of professionals who are creating a strong voice for the ocean in California.

If you are interested in becoming a part of the Alliance and the *Thank You Ocean* Campaign, please contact Columbine Culberg at (805) 963-3238 ext 10, Columbine.Culberg@noaa.gov or Sarah Marquis at (949) 222-2212, marquispr@earthlink.net.

The ocean produces more oxygen than all the rainforests combined.

thankyouocean.org



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