



THE CHANGING TIDE

Summer/Fall 2011

Oil and Water Don't Mix



Photo by John Hollenbeck.

Recycling used motor oil was the wave of the future. Today, recycling oil is a much more common practice. In the 1997 Winter issue of the Changing Tide, the California Clean Boating Network announced one of the first Southern California boating studies that assessed if it was even possible to collect and recycle used oil from local pleasure craft. Back then, convenient opportunities to recycle used oil for boaters were few and far between and there were no oil absorbent exchange programs in California. In today's boating world, recycling used oil, using oil absorbents, and practicing preventative engine maintenance are more common and, now, there are hundreds of used oil collection sites and oil absorbent exchange locations throughout the State.

In a recent, unpublished, study conducted by the California Department of Boating and Waterways & California Coastal Commission's Clean and Green Campaign, Contra Costa County, and Santa Monica Bay Restoration Foundation, results showed that about half of the 5,735 boaters surveyed, reported boat engine oil leaks and used oil absorbents. Boaters who reported using oil absorbents disposed of their used absorbents at oil waste receptacles at marinas more often than other disposal options. Good for them!

On the flip side, up to 9-percent of boaters who changed their own boat oil still disposed of used oil improperly. Almost one third of those who used oil absorbents (which are household hazardous waste when soiled) still tossed them in the trash. Although there are still boaters who improperly handle their oil, it's encouraging to see that the number of boaters who take advantage of free and conveniently located used oil recycling centers and who use pollution prevention tools grows each year.

Top 5 tips to keep oil out of our waterways

Here are some simple tips to keep oil out of our waterways:

1. Prevent oily bilge discharges by conducting regular boat maintenance. Keep your engine well tuned, and inspect fuel lines, hoses, and gaskets.
2. Place oil absorbents in the bilge. By soaking up oil and other engine fluid that leak into the bilge, absorbents prevent automatic bilge pumps from discharging oily bilge water into waterways and harming aquatic life. While repelling water, an oil absorbent pillow or pad can generally, soak up to one quart of oil and can last for months in the bilge.
3. Take your used oil absorbents to your local Household Hazardous Waste (HHW) collection center or the local oil absorbent exchange location where boaters can drop off used ones and get a new one for free. *Used oil absorbents need to be disposed of as hazardous waste and should never be tossed in the trash.*
4. If you change your boat's engine oil, use a closed system (such as a portable oil-change pump), available at marine supplies stores and always have an oil absorbent handy. Drain the used oil into a sealable container to prevent spills during transfer of oil.
5. *Let's make this boating season Zero Waste!* Recycle your used motor oil, oil filters, fuel filters, and oil absorbents at your local HHW or certified used oil collection center.

For certified used oil collection sites, hours of operation, and types of materials accepted, call (800) CLEANUP or visit www.cleanup.org.

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trees	water	energy	solid waste	greenhouse gases
5 fully grown	2,319 gallons	2 million BTU	141 pounds	482 pounds

Calculations based on research by Environmental Defense Fund and other members of the Paper Task Force.

www.newleafpaper.com



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Destination Series:

Grand Opening of "Green" Dock system at Bay Club Marina



Energy efficient LED power pedestals glow at dusk.

Photo by Shelley Griffin

San Diego Bay represents the largest enclosed coastal waterbody in Southern California, with 34 miles of scenic waterfront. Recreational boating adventures are ample from Point Loma, Shelter and Harbor Island, across the Bay to Coronado, and south to the shores of National City, Chula Vista, and Imperial Beach.

Shelter Island was created more than 50 years ago to accommodate the larger ships of the U.S. Navy. The sand dredged up from the bay-deepening process was repurposed to form Shelter Island, home to the prestigious international America's Cup yachting competition.

Nestled on the island lies Bay Club Hotel & Marina, the West Coast's first certified "Green Marina." The Bay Club Marina was the very first marina built on Shelter Island in 1959 (formerly known as Underwood Landing).

In June 2011, the marina completed installation of the first environmentally friendly "Green" dock system, consisting of either recycled or recyclable elements. As a participant in the Port of San Diego's Green Business Challenge, the marina decided it wanted to

be more energy efficient, and do their part for the environment by encouraging post-consumer use of recycled products.

The new and exciting features of the "Green" dock system include the structure of the dock, which is made of 100% recyclable aluminum. The aluminum structure boasts a unique sliding cleet and finger system, the first of its kind in California. Aluminum docks are prominent in Hawaii, the South Pacific, Canada, and France and are the latest technology for the marine industry because of low maintenance, structural strength, environmental friendliness, return on investment, and cost. The decking for this dock system is made from post-consumer, recycled high density polyethylene, originating from milk jugs, plastic grocery bags, pallet wraps, and detergent bottles. It is marketed as Moistureshield decking and it mimics the beautiful look of wood without the problems of splintering, dry rot, and termites. In addition, the new recycled decking material eliminates the need to chemically treat the formally wood deck, further reducing the adverse chemical leaching affects to the marine environment.

Energy efficiency is a high priority for the Bay Club Marina, thus installation of low profile, energy efficient, blue LED power pedestals was essential. Standard power pedestals require 20 Kwh of energy, and the new energy efficient, blue LED power pedestals only require 1 Kwh. The marina is excited to reduce their energy demands by 20-fold through installation of their new lighting system. To further improve on energy demands, all of the dock signage is completely solar powered. Lastly, to improve on water usage, all landscaping was switched from high maintenance, non-native plants, to sustainable, drought-resistant, and low maintenance native plants.

To help mark the monumental occasion in the marina industry, a "green carpet," Grand Opening celebration, and ribbon cutting took place at the Bay Club Marina in June 2011. Port of San Diego's Chairman of the Board, Scott Peters, performed the ribbon cutting ceremony alongside current Bay Club Marina partners Frank Hope, Chuck Hope, Bob Collins, Ed Malone, General Manager Mike Ardelt, in addition to Dockmaster Shelley Griffin.

*Contributing writer:
Shelley Griffin, Bay Club Marina*

Southern California Chapter



bay restoration foundation
STEWARDS OF SANTA MONICA BAY



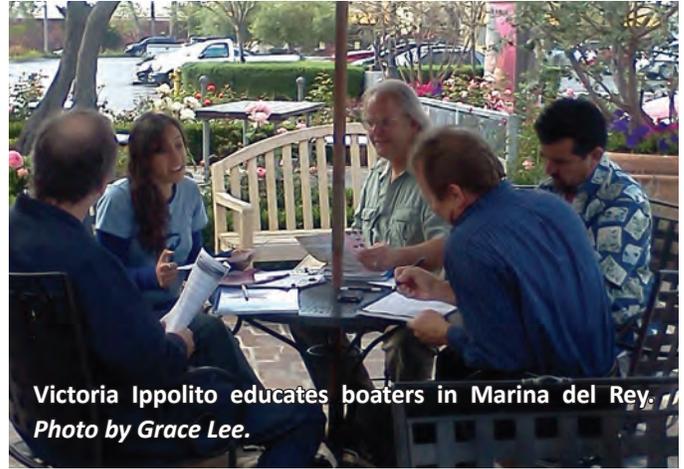
Got a holding tank?

Boaters take pride in caring for their aquatic playground and try to do the right things, like taking the time to use the stationary sewage pumpouts. Unfortunately, these facilities are not always operating correctly and this can be very frustrating. In response to this occurrence and in acknowledgement that convenience is the key to encouraging proper boat sewage disposal, Honey Pot Day was born.

The Santa Monica Bay Restoration Foundation, in partnership with the Department of Boating and Waterways, created Honey Pot Day for the purpose of providing free mobile pumpouts to boaters. This service is being offered to boaters berthed in Marina del Rey, King Harbor, Port of Los Angeles, and Port of Long Beach until the end of October.

Last year, participation numbers were great -- 229 boaters participated and 4,340 gallons of sewage were pumped. This year, the word about this great program is spreading. As of June 20, 82 boaters have participated and over 1,100 gallons of sewage has been sent to a sewage treatment plant. The 2011 boating season goal is to reach a total of 400 Honey Pot Day participants and pumpout at least 8,000 gallons of sewage by October 31. Sign up now, help us meet our goals, and be part of the clean boating community to keep California waterways clean!

Get it pumped out for FREE!



Victoria Ippolito educates boaters in Marina del Rey.
Photo by Grace Lee.

To participate, register for a free 30-minute seminar about pollution prevention and the adverse effects of sewage. After the seminar you will receive a mobile pumpout and clean boating information. Marina del Rey or Port of Los Angeles boaters may register by contacting Victoria Ippolito at (213) 620-2271 or vippolito@waterboards.ca.gov. King Harbor or Long Beach Harbor boaters may register by contacting Michelle Kearney at (213) 576-6648 or mkearney@waterboards.ca.gov.

Save the Date!

California Coastal Cleanup Day

Join 80,000 Californians on
Saturday, September 17, 2011
for the premier volunteer event focused on
the marine environment!



Volunteer kayakers collect marine debris from Marina del Rey.
Photo by Mark Lesley.

Marina del Rey in-water kayak cleanup site is coordinated by the Santa Monica Bay Restoration Foundation. Please sign up for the only kayak clean up site in Los Angeles County. For more information, visit our website, www.santamonicabay.org, or email the event coordinator, Michelle Kearney, mkearney@waterboards.ca.gov.

If you would like to find out more information about other Los Angeles County cleanup sites, contact Heal the Bay by visiting their website at www.healthebay.org.

Destination Series:

Martinez Marina



Martinez Marina, as a destination and port, goes back to the early 1700's when products were imported and exported. Also commercial fishing was very popular.

Photo by Craig Paulsen

Today it is still a fabulous destination (a diamond in the rough or a gem in an older setting). The marina is located in an East Bay Regional Park and east of San Francisco Bay, Martinez Marina offers many activities.

- ✦ Hiking and Biking Trails
- ✦ BBQ and Picnic Areas
- ✦ Bocce Ball Courts
- ✦ Baseball Diamonds
- ✦ An Equestrian Park
- ✦ Duck Ponds with tons of wildlife

In 2007, the marina was certified as the 70th clean marina in California. Safe and environmental procedures are encouraged and practiced to promote and conserve the waterways. Used oil and filters and a 24-hour pump out station are available to boaters. Used fishing line stations are also now available. The marina operator is a trained Dockwalker who is always ready to share clean and safe boating information with boaters and visitors.

The marina has a four-lane boat launch ramp and a large bait and tackle store that offers live bait, fishing and boating supplies, fishing and hunting licenses, sandwiches, snacks, cold drinks, beer, and a deck to enjoy the view of the marina.

The marina also hosts two fishing derbies a year, the Concord Police Derby and their own Diamond Classic Catch and Release Sturgeon Derby in January. The marina believes in the conservation of the sturgeon and promoting fishing and boating to the youth.

This facility is also home to the Martinez Yacht Club, a non-profit organization which promotes boating and marine activities to slip holders and boating communities. The yacht club has hosted National Marina Day for the last five years where the boating enthusiasts enjoy a day recognizing marine activities. Participation from the Coast Guard, Martinez fire and police departments, and other public/private agencies has contributed to the success of this event.

Besides providing services to recreational boaters, the marina also moors boats for oil spill response entities such as Marine Spill Response Corporation, National Response Center, Cal Bay, Shell Oil, Tesaro Refinery, and for other agencies such as the US Army Corps of Engineers and Department of Fish and Game. Boat launch ramps are also used by the Coast Guard, Cal Trans, marine law enforcement agencies, California Highway Patrol, charter fishing boats, and bay charters, which take people for tours on the Mothball Fleet.

The Albatross and the Sea Witch, sea scouts units that train youth in seamanship, also reside in the marina.

This year will mark the third year the marina hosts the Nautical Swap Meet. The next swap meet will be taking place in September.

Downtown Martinez is a short walk from the marina, where people can catch a train and go to any part of the United States. Or they can also visit the many restaurants and antique and collectible stores in the area.

Contributing writer: Craig Paulsen



Fishing for Salmon in the Delta

2011 Delta Salmon Fishing Season

And a reminder about recycling fishing line!

Recreational salmon fishing season in the Delta opened July 16. In April of this year, state and federal regulators approved the first full commercial and recreational salmon fishing season in four years.

Since 2007, fishing for salmon has been severely limited in an attempt to halt a severe population decline in fall-run Chinook Salmon. The ban appears to have helped, so fishing has been allowed to resume, though the number of fish is expected to stay below historical averages.

Wild-caught California salmon are important to the state's food economy. But for four years, grocery and restaurant customers have instead been limited to either farmed salmon or salmon caught in Washington, Canada or Alaska. Now, California salmon are back on menus and store shelves.

The American Sportfishing Association estimates salmon are worth at least \$1.4 billion in direct economic value to the state, including both com-

mercial and recreational angling. Separately, the Department of Parks and Recreation noted in a recent report that recreational anglers spend, on average, \$140 for every salmon they catch.

The Keep the Delta Clean Program would like to remind anglers that leaving fishing lines behind can damage the ecosystem, strangle or choke wildlife, and become entangled in boat props which may require expensive repairs.

Never leave fishing lines behind. Look for fishing line recycling stations which collect fishing line that can then be used to create more fishing line. For a statewide list of these stations, please visit www.coastal.ca.gov/ccbn/MonofilamentCard.pdf#page=2. If the place you fish doesn't offer these stations, then ask the marina operator to install one! They are inexpensive to build and maintain.

For more information, you can contact Dan Jordan at djord@pw.cccounty.us or (925) 313-2023.

Delta Maps Available



The Keep the Delta Clean Program, and Department of Boating and Waterways & California Coastal Commission's Boating Clean and Green Program offer free Delta maps to Delta boaters. Maps were updated in 2010 and feature pollution prevention services at marinas, general marina characteristics, certified used oil collection centers throughout the Delta, and clean and safe boating information.

Up to ten maps may be ordered by one individual through Dan Jordan at djord@pw.cccounty.us or (925) 313-2023. Requests for larger quantities for organizations can be made.

In Memoriam - Jeff Dawson



The Keep the Delta Clean (KDC), and the Department of Boating and Waterways and California Coastal Commission's Boating Clean and Green Program were saddened to learn that Discovery Bay's longtime Harbormaster Jeff Dawson passed away April 24 due to complications from a recent surgery.

Jeff was an integral part of the KDC Program. Discovery Bay Yacht Harbor is one of the original pilot marina hazardous waste collection sites, and his input was invaluable for developing the program from the beginning.

He became Discovery Bay's Harbormaster in 1985. He was a member of the Lions Club and a former volunteer deputy with the Contra Costa Sheriff's Department. This August, the Discovery Bay Lions Club will be dedicating its annual golf tournament in Dawson's honor.

Jeff is survived by his two children Megan and Maxamillian, their mother Pam Kramer, his sister Lynn, his father Ron and stepmother Marlis.

Northern California Chapter



Destination Series:

Shaver Lake - "Little Lake Tahoe" in Fresno County



Photo by Sierra Harbor, Inc.

Shaver Lake is one of Central California's best kept secrets. The lake is located one hour east of Fresno on state route 168 at an altitude of 5,370 feet. The lake is approximately 17 miles around and can hold approximately 135,000 acre feet of water. The lake is owned, operated and managed by Southern California Edison Company.

The lake is known by its community as the "Little Lake Tahoe" because of its beautiful mountaineous scenery including thick pine forests.

This water body is named after pioneer lumberman C.B. Shaver, who logged in the area around the turn of the century. In 1893, Shaver built a small rock-filled dam that impounded water to form a small millpond to support logging operations.

This popular recreational lake provides great opportunities for a variety of activities including boating, camping, hiking, fishing as well as water sport activities like water skiing, jet skis and windsurfing. Canoe and kayak enthusiasts can also explore miles of shoreline. Visitors are encouraged to contact the Shaver Lake Chamber of Commerce for a list of activities throughout the year: www.shaverlakechamber.com

Shaver Lake has all the necessities for a great trip to the Sierra. The lake is open year round, has no day use, launch, or parking fees and is one of

the only free use lakes left in California. Amenities include: two boat launch ramps, one inside Camp Edison (eastside) and one located at the north end of the lake at Sierra Marina, Inc.'s marine site; two fee based day use areas, one on the northern side of the lake and one inside Camp Edison that can handle large family and corporate groups; and two camp grounds, Dorabella and Camp Edison. Luxury home rentals, motels are also available.

The lake also has three marinas: Sierra Marina, Inc., Shaver Lake Marina, and Water Sports Safari Marina. Sierra Marina, Inc., is a full service marina that has pontoon, water ski, personal watercraft, fishing boat, and kayak rentals. The marina offers over night slip and dry storage rentals along with two full time mechanics on duty seven days a week. Sierra Marina's Web site is informative. Three web cams, over-seeing the lake, are updated every 20 minutes. The marina also offers an Internet based weather station that gives current weather and water temperature every 20 minutes.

Environmental tips can also be obtained from two trained Dockwalkers who are always ready to share clean and safe boating information with boaters and visitors.

Next time you are in Fresno County don't forget to visit Shaver Lake!

Pollution Prevention Services at Shaver Lake

Sierra Marina, Inc.
45795 Tollhouse Road
Shaver Lake, CA 93664
(559) 841-3324

Pollution Prevention Services:

Used oil collection, marine battery drop-off, oil absorbent distribution (\$) and collection (\$)

Other Pollution Preventions Services in Fresno County

Millerton Marina
19305 Winchell Cove
Friant, CA 93626
(559) 822-2264

Pollution Prevention Services:

Port-a-potty dumpstation

Pine Flat Lake Marina
30801 Sunnyslope Road
Piedra, CA 93649
(559) 787-2506

Pollution Prevention Services:

Sewage Pumpout

Rancheria Enterprise Marina
62311 Huntington Lake Rd
Lakeshore, CA 93634
(559) 893-3234

Pollution Prevention Services:

Port-a-potty dumpstation, oil absorbent distribution (sell absorbents) and collection



Photo by Sierra Harbor, Inc.

Contributing writers: Sheldon Sandstrom, Sierra Marina, Inc. and Vivian Matuk, California Department of Boating and Waterways and California Coastal Commission.

Northern California Chapter



Partnering with Yacht Clubs for 2011 Coastal Clean Up Day



Coastal Cleanup Day Photo by CA Coastal Commission

For the first time, yacht clubs will be participating in California's Coastal Cleanup Day. Port Royal Yacht Club (Los Angeles County) and Sequoia Yacht Club (San Mateo County) will be the first two yacht clubs to engage boaters in cleanup efforts during this premier volunteer event focused on the marine environment in the country.

This event has been hugely successful on shores and coastlines throughout California. The two yacht clubs were invited to participate this year to expand this success to the boating community. Partnering with the two yacht clubs will provide great information on how the program, with the boating community, can evolve.

Coastal Clean Up Day will be taking place Saturday, September 17 from 9 a.m. to noon. This event is led by the California Coastal Commission. Partners include the California Department of Boating and Waterways, Heal the Bay and San Mateo Countywide Water Pollution Prevention Program.

Each year, debris washes from California's streets into creeks, rivers, lakes, and onto the coastlines, or is dumped intentionally. Since the program started in 1985, over 1 million Californians have removed more than 15 million pounds of debris from our state's shorelines and coast. Last year, more than 82,000 volunteers worked together to collect more than 1.1 million pounds of trash and recyclables from beaches, lakes, creeks, and waterways. When combined with the International Coastal Cleanup, organized by the Ocean Conservancy and taking place on the same day, California Coastal Cleanup Day becomes part of one of the largest volunteer events in the world.

Results from California Coastal Cleanup Day have been hailed by the Guinness Book of World Records as "the largest garbage collection" (1993).

For information on how to participate in this year's California Coastal Day, please visit www.coast4u.org, or call 800-COAST-4U.

FREE 8-Hour HAZWOPER Training for San Francisco Bay and Delta Marina and Yacht Club Operators

Are you a San Francisco Bay Area or Delta boating facility operator who responds to spills or handles hazardous waste clean-up? If you are, then you are invited to participate in a FREE Hazardous Materials/Substances Emergency Response First Responder Operational (HAZWOPER) Training.

This FREE 8-hour training will provide boating facility operators the knowledge to safely work in a hazardous environment. Completion of this training satisfies Title 29 of the Code of Federal Regulations 1910.120(q)(8) refresher training, and no prerequisites are needed. Course will be certified by the U.S. Coast Guard.

The training is being hosted by the Department of Boating and Waterways & California Coastal Commission's Boating Clean and Green Program, Office of Spill Prevention and

Response, California Emergency Management Agency, and the Coast Guard. Partners include: San Francisco Bay Conservation and Development Commission, the California Association of Harbormasters and Port Captains, Marina Recreation Association, Clean Marinas California Program, Pacific Inter-Club Yacht Association, Western Marine Insurance Service Corporation, and the Baykeepers.

If you have any questions about the course or to register, please contact Vivian Matuk at (415) 904-6905 or at vmatuk@coastal.ca.gov.



8-hour HAZWOPER training class taught in 2008. Photo By Vivian Matuk

Registration is required and seating is limited to 50 marina/yacht club operators. So register today.

Date:
Thursday, Sept. 22

Time:
8:45 am – 4 p.m.

Location:
Sausalito Bay Model Visitor Center (Multi-Purpose Room) 2100 Bridgeway Sausalito, CA

Parking:
Free parking available in the front and rear of building

Lunch:
Nearby restaurant available



Accidentally spilling one gallon of motor oil can: create an oil slick on surface water up to 8 acres in size, contaminate 1 million gallons of freshwater (one year's supply of water for 50 people), render a 4-acre area of soil unusable for planting for decades. (www.earth911.org). Photo by John Hollenbeck.

What boaters should do in case of an accidental oil, fuel, or chemical spill:

1. Call all the following phone numbers: National Oil Spill Hotline: 800-424-8802, California Office of Emergency Service 1(800) OILS911 and 911 (required notification). Notify the marina manager or dockmaster. Failure to notify a known discharge is unlawful. If convicted, maximum punishment is five years imprisonment and/or fine up to \$250,000 for an individual, \$500,000 for an organization (33 USC 1321 [b][5]).
2. Apply an oil absorbent to the sheen on the water to soak up the spill. You may need to sweep the surface of the water to quicken absorption of oil. Collect saturated absorbents from the water. Wear gloves and don't fall in!
3. Never apply soaps to disperse the sheen, it is illegal! 33 CFR 153.305, prohibits use of soaps or other dispersing agents to dissipate and mask oil on the water or in the bilge. Soaps emulsify oil, therefore, dispersing hydrocarbons through the water column and can be harmful to marine animals and bottom sediments. Violators are subject to criminal and civil penalties of up to \$32,500 per incident

In California, the Department of Fish and Game Office of Spill Prevention and Response licenses all oil spill cleanup agents for use in the waters of the California. Products made of a non-reactive material (i.e. polypropylene oil absorbent pillows) are approved to be used in California waterways. Loose (i.e. powders) reactive products are not allowed for use in California. For more information about oil spill & cleanup agents, visit:

www.dfg.ca.gov/ospr/oil_spill_cleanup_agents.aspx

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