



THE CHANGING TIDE

Summer/Fall 2009

Protect Our Waterways - Use Pumpouts

Why sewage is a problem...

California waterways offer a variety of activities to enjoy on the water, including boating, swimming, surfing, waterskiing, and more. Unfortunately, polluted waters can spoil enjoyment of these activities especially with boating and water recreation.

Water pollution comes from many sources, including stormwater runoff, wildlife, and even boating. The U.S. EPA has identified the following potential environmental impacts from boating and marinas: high toxicity levels in the water, increased pollutant concentrations in aquatic organisms and sediments, accelerated erosion rates and increased nutrient and pathogen levels. More nutrients lead to elevated algae growth and depletion of oxygen in the water (a process called eutrophication), and high levels of pathogens (disease-causing organisms such as bacteria, viruses and parasites that can originate in human waste).

Sewage and graywater discharges can create public and environmental health problems, especially if vessel wastes are discharged overboard in confined areas – like harbors, marinas, and inland water bodies. Although it's illegal to discharge untreated sewage into all navigable U.S. waters, some recreational boaters still discharge raw waste into our waterways. While one individual boater's contribution to the overall pollution problem may be small, there are nearly a million registered boats in California, and it's easy to see that those individual contributions can add up to a significant total.

The activities we love are more fun in and on clean waters. We can all choose to do the right thing and not pollute. In order to help our continued enjoyment of sparkling clean waters. It's time to do the right thing, right now.

Protect our waterways – use pumpouts!



The Law...

It is illegal to discharge raw sewage into any of California's lakes, rivers, reservoirs or coastal waters within three miles of shore. Fines of up to \$2,200 can be imposed for illegal discharges (CWA §312 [h]). No person shall place, deposit, or dump any human excreta in or upon the navigable waters of the state, that are within a marina, yacht harbor, freshwater lake, or fresh water impoundment, from any vessel tied to any dock, slip, or wharf that has toilet facilities available for the use of persons on the vessel. Any violation of this article is a misdemeanor (CHSH Div 104, Port 13 § 117515).

article continued on back cover...

Give Your Old Sails A Second Wind



Before you toss out that old sail, take a moment to look into other options for recycling it! There are several companies that will take your old used sail and turn it into new products, from new sails to grocery bags.

Some companies you may want to check out are:

Sea Bags

seabags.com

Soozou

soozou.com/gotsails

Cast-Aways

cast-aways.com

Minney's Yacht Surplus

minneysyachtsurplus.com

Sea Fever Gear

seafevergear.com

A California Clean Boating Network Publication presented by the Santa Monica Bay Restoration Foundation, California Department of Boating and Waterways, California Coastal Commission, and the Keep the Delta Clean Program.

Funded by a grant from the California Department of Boating and Waterways



NEW LEAF PAPER®

ENVIRONMENTAL BENEFITS STATEMENT
of using post-consumer waste fiber vs. virgin fiber

California Clean Boating Network saved the following resources by using New Leaf Primavera Gloss, made with 80% recycled fiber and 60% post-consumer waste, elemental chlorine free, and manufactured with electricity that is offset with Green-e® certified renewable energy certificates:

trees	water	energy	solid waste	greenhouse gases
4 fully grown	1,976 gallons	3 million Btu	212 pounds	472 pounds

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

www.newleafpaper.com

Southern California Marine Protected Areas

The Marine Life Protection Act Initiative is making headway toward creating a network of Marine Protected Areas (MPAs) in Southern California.

Are you wondering: What is this "Initiative?" What are MPAs? And why am I just hearing about this now? If so, keep reading...

Author Lia Protopapadakis / Member, Regional Stakeholder Group Staff, Santa Monica Bay Restoration Commission



MPAs are parks... underwater. They are created in order to improve fishing conditions by restricting fishing in patches of the ocean (patches may extend 3-6 miles along the shore and no more than 3 miles out to sea).

Within reserves, data show that there are more fish, bigger fish, and more diverse communities of fish. These fish populations spill over into nearby habitat where fishermen can catch them. These communities are better equipped to rebound after a natural disaster, persist as conditions change, and re-seed areas outside their borders. This takes time, but it's already happening in the Northern Channel Islands.

Marine reserves, the most protective type of MPAs, are state designated areas of the ocean where all marine life must be left untouched. The two other types allow commercial or recreational harvest of select species with specific gear. Sites are chosen based on their

potential to support a greater number of larger fish that can re-seed areas outside of the MPA; and minimize the disruption to fishermen and the fishing industry.

The "Initiative" is the process the State of California is using to implement a law passed in 1999 called the Marine Life Protection Act. The State created the Initiative to allow a wide variety of groups with differing interests to work together toward choosing MPA locations that are satisfactory to all. By passing this law, state legislators recognized the value of the ocean, its resources, and the importance of sustaining these resources for our grandkids' grandkids.

The existing network of MPAs in the Northern Channel Islands State Park will remain the same. For the rest of the southern California Bight (the mainland area between Point Conception and Baja, and the Southern Chan-

nel Islands), the proposed network will include MPAs offshore of San Diego, Orange County, Laguna, Los Angeles, Catalina, Malibu, and Santa Barbara. Fishing in these MPAs is not allowed, however transit through MPAs with fish on board is allowed.

You can still sail, cruise, anchor, dive, snorkel, surf, wade, swim, kayak, take photographs, and explore tide pools...

As long as you don't take anything!

There are 64 committed stakeholders volunteering their time to consider recommendations that will benefit all the people of California - including boaters and recreational and commercial fishermen - by protecting fish populations for future generations.

If you want to express your thoughts or ask questions, go to www.dfg.ca.gov/mlpa to learn more, find contact information, and make recommendations for the Initiative.

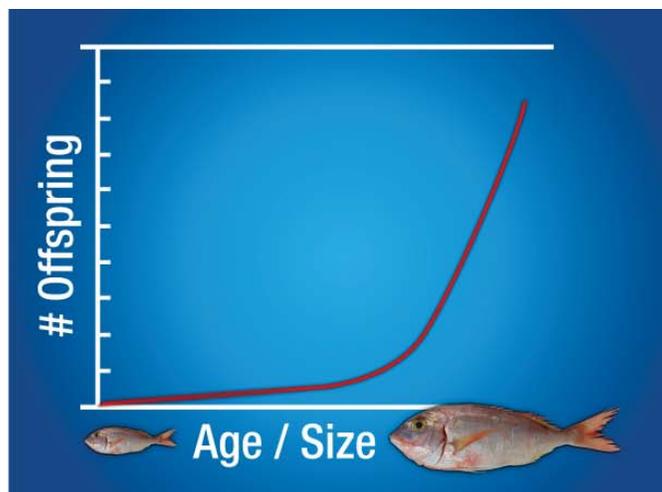
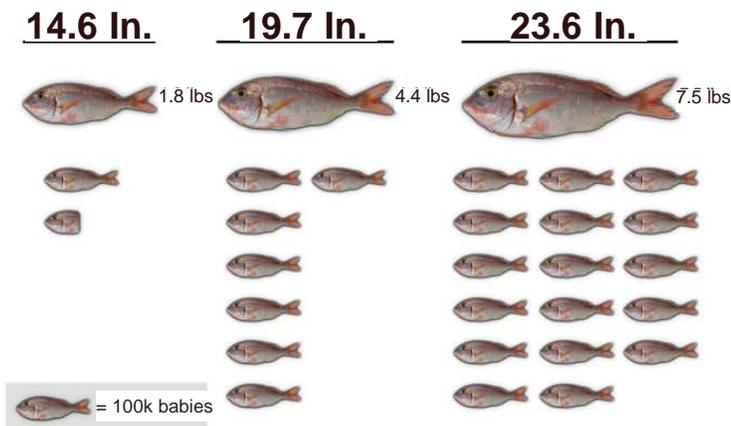
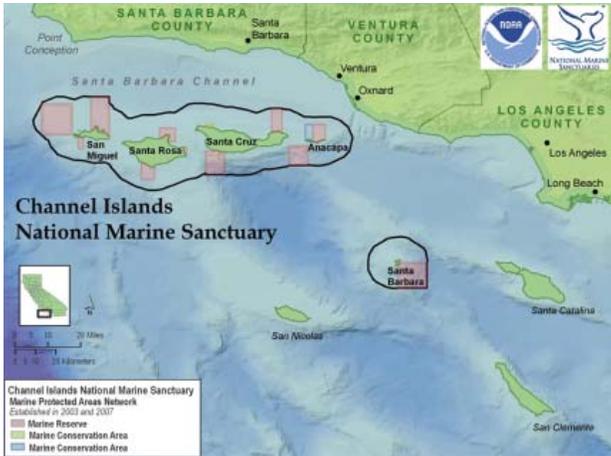


Figure 1. Bigger fish produce more offspring.

Love, et al. (1990) Life history aspects of 19 rockfish species from the southern California bight. NOAA Technical Report NMFS 87. The reference for the fish dramatization is: Partnership for Interdisciplinary Studies of Coastal Oceans. 2007. The Science of Marine Reserves (2nd Edition, United States Version). www.piscoweb.org. 22 pages. <http://www.piscoweb.org/publications/outreach-materials/science-of-marine-reserves>

Southern California Chapter *Los Angeles, Orange, Riverside, Ventura & San Bernardino Counties*

Boating in the Channel Islands National Marine Sanctuary - *Know Before You Go*



Author Shauna Bingham
NOAA Channel Islands
National Marine Sanctuary



Channel Islands National Marine Sanctuary, located off the coast of Santa Barbara and Ventura counties in California, is a marine protected area administered by the National Oceanic and Atmospheric Administration (NOAA). The sanctuary encompasses 1,470 square miles of water from mean high tide to six nautical miles offshore of Santa Barbara, Anacapa, Santa Cruz, Santa Rosa, and San Miguel islands. The Sanctuary is a spectacular destination for boating, diving, wildlife viewing, and fishing.

The Sanctuary protects a wealth of natural and maritime heritage resources and increases awareness through public education, research, and monitoring. Sanctuary regulations also play an important role in sustaining Sanctuary resources. In March 2009, NOAA revised the regulations to address new threats to Sanctuary resources and to update outdated regulations.

Recreational boaters, divers, kayakers, and other Channel Islands visitors are encouraged to understand Sanctuary regulations before leaving the dock.

To comply with these regulations, and for the betterment of the marine environment, the following are encouraged for boaters:

- Prevent discharge of any pollutants (e.g., oily bilge, untreated sewage and debris like trash, food scraps);
- Don't fish or take any resources from within the sanctuary's 11 designated marine reserve areas and carefully follow the limited fishing rules within the two marine conservation areas (see map);
- Use only phosphate-free, chlorine-free, non-toxic, biodegradable cleaning products on your vessel;
- Prevent introduced species – keep your boat hull and equipment clean;
- Don't disturb marine mammals, sea-birds or sea turtles;
- Leave in place historical resources (e.g., shipwrecks, artifacts);
- Use motorized personal watercraft only in approved zones (beyond one nautical mile from island shores);
- Boat safe and have vessel insurance. In the event of a shoreline grounding, get professional help quick with vessel removal and debris cleanup.

25th
ANNIVERSARY



September 19, 2009
9:00 AM - NOON

Join us for Marina del Rey's Kayak Cleanup - L.A. County's only cleanup on kayaks.

Help us clean the largest man-made pleasure craft harbor in the U.S. Bring your own kayak, dinghy, or small watercraft, or RSVP and we will provide kayaks and life vests. Kayaks are limited, so RSVP now. Landside volunteers also needed!

Where: Marina del Rey

Address: Dock 52, 13509 Fiji Way, Marina del Rey, CA 90292

Parking: Parking at Dock 52 is free and plentiful.

Registration: 8:00 AM

Please bring a signed waiver form with you to the registration table at Dock 52. You can download a copy at www.healthebay.org/ccd. Volunteers under 18 must have waivers signed by a parent or guardian. IDs mandatory for use of kayaks! NO ID, NO KAYAK!

To RSVP, contact Unica Luna at uluna@santamonicabay.org / 310.216.9824

For a full listing of Sanctuary regulations go to www.channelislands.noaa.gov or call (805) 966-7107.

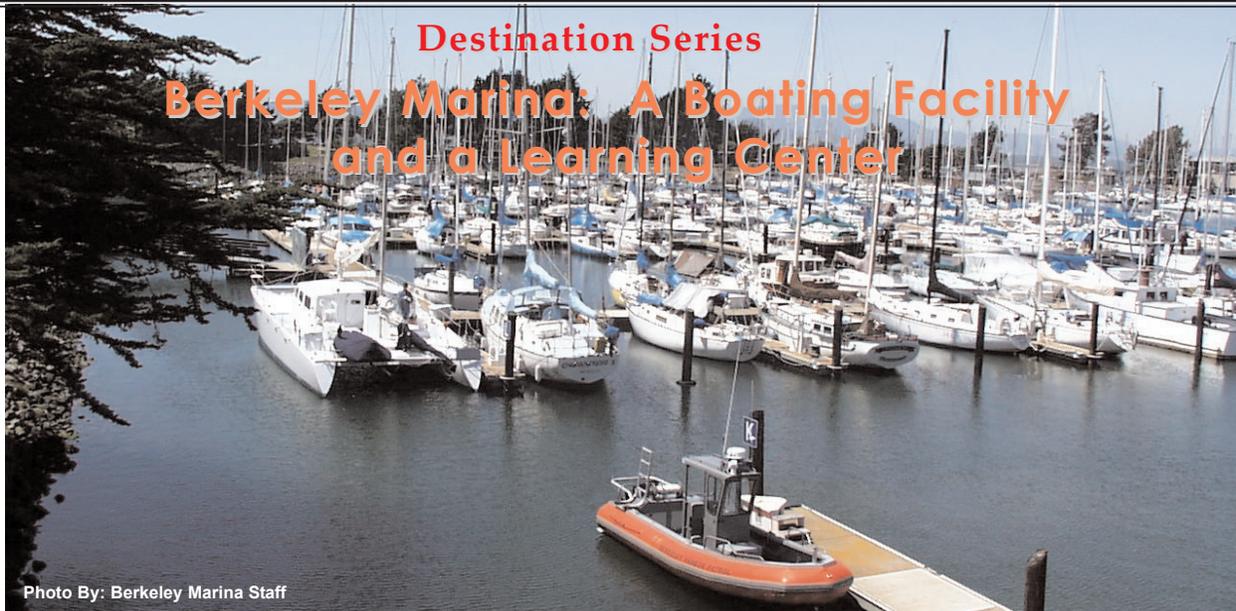


Photo By: Berkeley Marina Staff

Berkeley Marina is located on the east shoreline of the San Francisco Bay, nine miles directly east from the Golden Gate Bridge. On any given day in the summer, the winds average 25 knots which draws many sailing enthusiasts. The construction of the marina started in 1936-37. The marina was designed as a multi-purpose recreational area with funding from the California Department of Boating and Waterways. The marina has 1,100 berths and dry storage for 80 vessels and operates a four lane public launch for a \$15.00 access fee. Two electric hoists at the south side of the marina handle boats up to 3,500 lbs.

This marina offers a variety of **environmental services** for its boaters and visitors including: Sewage pumpouts, used oil collection, used oil filter collection, oil absorbent distribution and collection and marine battery drop-off. Berkeley Marina is also a California Certified Clean Marina.

There are 100 acres of parks, walkways and pathways around the perimeter of the Marina attracting many visitors. Cesar Chavez, Shorebird and Horseshoe Parks offer great locations and views for picnicking. There is also a small children's play area as well as tidal pools for observing marine life.

Marina tenants and visitors can also enjoy the Adventure Playground and the Shorebird Park Nature Center. These programs delight over 40,000 adults

and children each year. The Adventure Playground is a unique outdoor facility where staff encourages children to play and build creatively. This playground creates opportunities for children to learn cooperation, meet physical challenges and gain self confidence.

The Shorebird Park Nature Center occupies the first municipal strawbale building in the United States. This strawbale building demonstrates the use of "green materials." The Center provides information to visitors concerning marine conservation and education.

The marina provides a Volunteer Bay Interpretive Training Program for interested adults to help provide teachers and students with high quality environmental education programs. The Marina also participates in programs such as the Coastal Commission's Adopt a Beach Program and Coastal Cleanup Day. During the 2008 Coastal Cleanup Day, Berkeley Marina volunteers as well as volunteers from the cities of Berkeley, Albany and Emeryville spent three hours collecting 16,123 cigarette butts, 12,057 caps and lids 11,103 plastic food wrappers or containers, 7,497 bags, among other trash.

The Berkeley Marina facility is a wonderful destination with activities for all ages, and all interests. For more information about this marina visit:

www.ci.berkeley.ca.us/Marina/

News from the Northern Chapter



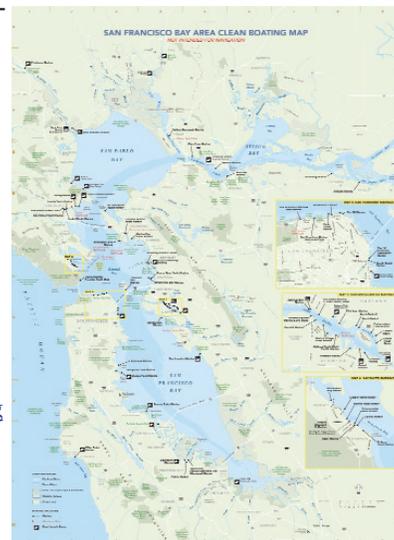
Coming soon: **FREE San Francisco Bay Area Clean Boating Map!**

In order to help boaters and the general public conveniently access information about pollution prevention services in San Francisco Bay, **the City and County of San Francisco Department of the Environment, the California Department of Boating and Waterways and the California Coastal Commission's Boating Clean and Green Program** produced the “**San Francisco Bay Area Clean Boating Map.**”

This free map features locations of marina-based pollution prevention services such as sewage and bilge pumpouts, port-a-potty-dump stations, oil absorbent distribution and collection, used oil filter collection and used oil collection services. The map also includes information on mobile boat-to-boat

services and helpful information about clean and safe boating practices. The map covers the nine Bay Area counties. This map will be available in September, 2009.

Place your order now by contacting Cynthia Knowles (415) 355-3760 Cynthia.Knowles@sfgov.org or Vivian Matuk at (415) 904-6905 vmatuk@coastal.ca.gov



Celebrating the 25th Anniversary of **Coastal Cleanup Day**



Crystal Cove Beach, Orange County,

The California shoreline is one of the most magnificent in the world, yet each year thousands of tons of garbage settles on its beaches.

Trash in the ocean is a growing problem, and most of the marine debris that dirties our beaches and fouls our ocean each year originates from land-based sources. In response, the **California Coastal Commission**, together with non-profit groups and local governments, organizes **California Coastal Cleanup Day (CCD)**, a statewide beach and shoreline cleanup held throughout California each year. This annual event is a major part of International Coastal Cleanup Day, facilitated by the Ocean Conservancy, which takes place in 45 states and over 100 countries worldwide. This year, the CCD will be held on **September 19, 2009 from 9 AM to Noon.**

Since its inception in 1985, over **875,000 volunteers** have removed close to **14 million pounds of trash**

from our coast and shorelines. The single most prevalent item found among all that debris is cigarette butts, generally accounting for about 40% of the total number of debris items found. Plastic debris in all its various forms makes up between 60 - 80% of all that litter, mostly single-use disposable items. CCD promotes the



Salt Creek Beach, Orange County.



Sacramento County

idea that individuals need to take responsibility for the garbage that they produce each year and should reduce, reuse and recycle to cut down on waste. Litter, whether intentional or not, may end up in the oceans where it can endanger wildlife and human health.

2009 marks the **25th anniversary of Coastal Cleanup Day!** Come join the California Coastal Commission, its partners and the thousands of Californians who participate in Coastal Cleanup Day each year in helping protect our coasts and shorelines! For information on how to participate, please visit www.coast4u.org, or call 800-COAST-4U

Help Keep California's Waterways Trash and Litter-Free!

How many times have you been out boating and seen trash floating in the water? Trash can cause harm to wildlife, get tangled in engines, and ruin an otherwise perfectly good day of boating. Everyone generates trash, but here are some tips to help keep it to a minimum and out of the water:

1. Stash your trash on-board and save cans and bottles for recycling on shore. The reusable tote bag from the Keep the Delta Clean boater kit is perfect for this.
2. Pack your food in reusable containers. Leave your product packaging at home.
3. Place extinguished cigarette butts in the trash. Cigarette butts are the most common type of litter found washed up on beaches and, contrary to what many people think, they are not biodegradable. In fact, due to the many chemicals contained in cigarettes, they are one of the most harmful types of common trash.
4. Participate in a local marina or beach cleanup. For more information, call (800) COAST4U or visit www.coastal.ca.gov for organized events in your area.

Boating in California is very popular so there are a lot of boaters. This can be a positive thing - because there are so many boaters, if all of us take small steps to clean up our water, it will have a huge impact throughout the entire state.

For a fun day on the water, don't forget Coastal Cleanup Day! It falls on September 21st every year and is a great way to get you and your family involved in keeping California's waters clean. Visit www.coastal.ca.gov to find out what is happening in your area.



Keep the Delta Clean Storm Drain Markers

If you live on the Delta in Contra Costa County, you may have noticed something new on your storm drain inlets. The Contra Costa County Watershed Program has been installing storm drain markers to educate the public that everything that flows down a storm drain will end up, untreated, in local waterways. Many people take an "out of sight, out of mind" approach to storm drains, and many people don't know that the water that enters them is never treated, and so it is important to share this valuable information. When pollutants enter storm drains they flow directly to local creeks and streams, and from there to bays, the Delta, and eventually the ocean, degrading environmental health all along the way.

This is why it is important to not throw cigarettes and other trash on the ground. Another good idea is to never wash your car or boat in your driveway. All the soap you use, as well as pollutants from your vehicle, will flow to local waterways and damage your local ecosystem. Instead, consider taking your car or boat to a local carwash where soap and water does not enter the storm drain system. Alternatively, you can park your car or boat on your lawn when you wash it so that the harmful chemicals in the water will end up in the ground rather than the local waterways. This is just another way to help keep the delta clean.

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

Keep the Delta Clean Program Update

The Keep the Delta Clean Program is a partnership among the Delta Counties, California Coastal Commission, and Department of Boating and Waterways. KDC Program Partner San Joaquin County has been busy lately. They have installed new used oil recycling sheds at two marinas, Tower Park and King Island Resort. They will also be installing a third shed at H&H Marina in the future. Unfortunately, H&H recently suffered a fire on their property, delaying the installation of the shed. We wish them the best as they fix the damage from the fire.

Both San Joaquin and Contra Costa County marinas are tracking the materials they collect through the Keep the Delta Clean Program. This is an ongoing project, but the current numbers show that KDC is making a big difference. We thank all the boaters who, through large and small actions, are working to help us keep our Delta clean!

Below are the estimated amounts of hazardous materials collected through the five oil absorbent exchange centers set up by our partners with the Keep the Delta Clean program (KDC) since 2004.

3,677 pounds of used oil absorbents collected

1,092 pounds of oil absorbent polypropylene fiber recycled (clean polypropylene material is shredded and baled for reuse)

320 gallons of used oil reclaimed from used oil absorbents

Putting this information into potential pollutant terms and considering that one gallon of oil can pollute one million gallons of drinking water, KDC has overseen the protection of over **10.4 billion gallons of Delta water**, the equivalent **annual water supply for 520,000 people**.



Photo by Big Break Marina

National Marina Day 2009

This year National Marina day fell on August 8th and the Keep the Delta Clean Program celebrated at Big Break Marina in Oakley. Big Break is the newest addition to the Keep the Delta Clean Program. They have an oil absorbent exchange program and an informational kiosk, so the day also served as a ribbon-cutting ceremony.

Bill Becker from the Coast Guard Auxiliary and Dan Jordan from the KDC Program worked the day, passing out 54 boater kits to Big Break tenants and other boaters.

According to the Association of Marina Industries, "The goal of National Marina Day is the education of politicians, civic leaders and the public about the important role the marina industry plays in cities and towns across the nation as family-friendly gateways to boating and stewards of the environment.

"This goal is achieved through the promotion of nationwide marina focused events with local flavor that educate politicians, civic leaders, and the public about the value of the marina industry to cities and towns across America. Make plans today to support this mission by planning a National Marina Day event at your facility."

For more information visit:
<https://www.marinaassociation.org/nmd/>

Keep the Water Clean and Clear - *what boaters can do*

Protect Our Waterways - Use Pumpouts (continued)



Where is the nearest sewage pumpout?

Check out these FREE resources...

- **Southern California Boater's Guide**

Santa Monica Bay Restoration Foundation, California Department of Boating and Waterways (310) 216.9828; glee@santamonicabay.org

- **Sacramento -San Joaquin Clean Boating Map**

Keep The Delta Clean Program (925) 313-2023; djord@pw.cccounty.us

- **San Francisco Bay Area Clean Boating Map**

City and County of San Francisco Department of the Environment, the California Department of Boating and Waterways, and the California Coastal Commission's Boating Clean and Green Program (415) 355-3760 Cynthia.Knowles@sfgov.org or (415) 904-6905 vmatuk@coastal.ca.gov

- **Sacramento-San Joaquin River Delta Pumpout Guide & Map for Boaters / San Francisco Bay Pumpout Guide & Map for Boaters.**

San Francisco Estuary Project, California Department of Boating and Waterways (510) 622-2398; KMcdowell@waterboards.ca.gov

Better Sewage Management...

Never dump raw sewage into California waters.

Plan ahead. Use public toilets onshore before departing.

Use a pumpout facility to dispose of holding tank wastes.

Prevent accidental discharges. Keep the "Y" valve properly secured in the closed position when navigating inland waters or boating less than three miles offshore.

Read labels and use holding tank disinfectants and deodorizers that do not contain chlorine, formaldehyde, or other components that can be harmful to aquatic organisms.

Onboard Marine Sanitation Devices that claim to treat sewage can malfunction. Regularly check to see if MSDs are functioning properly.



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A SMBRF, DBW, CCC, and Keep the Delta Clean Program Publication for the California Clean Boating Network

www.santamonicabay.org ↕ www.dbw.ca.gov ↕ www.coastal.ca.gov ↕ www.keepthedeltaclean.org

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