



THE CHANGING TIDE

Spring 2016

Check Out These Great Sewage and Oil Related Grants

Contributing Author: Cindy Murphy (Office of Spill Prevention and Response Contract Manager).

Clean Vessel Act (CVA) Sewage Pumpout Installation, Operation and Maintenance Grants

The California State Parks Division of Boating and Waterways (DBW) is the State Grant coordinator for the Clean Vessel Act (CVA) on behalf of the U.S. Fish and Wildlife Service.

The CVA grants fund the construction, renovation, operation, and maintenance of sewage pumpout and dump stations to service recreational vessels. Funding comes from the Sport Fish Restoration and Boating Trust Fund (SFRBTF).

These grants are for **both public and private marina facilities**. This includes all local governmental entities and private businesses that own and operate boating facilities open to the general public.

Types of Grants:

INSTALLATION GRANT	OPERATION & MAINTENANCE GRANT
This grant will reimburse recipients for up to 75% of the eligible installation cost of pumpout and/or dump stations.	This grant will reimburse recipients for up to 75% of the eligible costs of pumpout parts and labor to maintain an existing pumpout.
Both Grants are REIMBURSEMENT based.	
What will it cost you: Grant recipients will be responsible for at least 25% of the costs associated with the new or replacement pumpout and/or dump station installation, or 25% operation and maintenance costs. This 25% match can be cash, the fair market value of any labor or materials provided, or a combination.	
Duration: The grant recipient will guarantee that the granted equipment will be operated, maintained (without cost to DBW), and accessible to all public recreational vessels for the full period of its useful life (7 years).	Duration: The term of this grant depends on the term of each grant agreement (between 1-3 Yrs.). Costs will be reimbursed only if incurred during the term of the grant agreement.
Responsibilities as a grantee:	
<ol style="list-style-type: none"> All recreational vessels must have access to the pumpout and dump stations funded under this grant program. A visible sign depicting the national pumpout symbol shall be installed. An informational sign should be installed at pumpout and dump stations including: Fees, restrictions, hours of operation, operating instructions, and phone number to call if the facility is inoperable. The sign should also acknowledge funding sources from the SFRBTF, through DBW. While the State encourages the free use of facilities constructed under this program, a maximum user fee of \$5 may be charged. 	

TO APPLY and for more information:

Please contact **Ron Kent** at (916) 327-1819 or ron.kent@parks.ca.gov
Or visit: www.dbw.parks.ca.gov/Environmental/DATP/GrantOpportunities.aspx

The California Department of Fish and Wildlife's Office of Spill Prevention and Response (OSPR) Response Equipment Grants

The California Department of Fish and Wildlife's Office of Spill Prevention and Response (OSPR) offers Response Equipment Grants to local government agencies, which includes counties, cities, fire departments, port districts and Tribes throughout California.

This grant provides local agencies and Tribes the ability to pre-position equipment trailers where there is a potential threat of an oil spill occurring within their jurisdiction. In the event of an oil spill, this equipment can be quickly mobilized and deployed to contain the oil spill and protect local resources that are vital to the livelihood of the surrounding community.

The response equipment value is up to \$30k and includes 1000' of oil spill containment boom, adsorbent materials, a mobile trailer, and an eight-hour hands-on boom deployment training course.

To learn more about the Grant Program, visit: www.wildlife.ca.gov/OSPR/Response/Response-Equipment-Grants



Sewage pumpout funded by the Clean Vessel Act Pumpout Grant.
Photo: Vivian Matuk (DBW/CCC)

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Southern California Chapter



Destination Series:

PORT OF LOS ANGELES

The Port of Los Angeles is located in the Los Angeles neighborhoods of San Pedro and Wilmington and stretches across 7,500 acres of land and water along 43 miles of waterfront. As North America's leading seaport in terms of container volume and cargo value, Port of Los Angeles, also referred to as America's Port, employs nearly 146,000 people in Los Angeles and 1.7 million throughout the United States!

Port of LA, a beautiful place to recreate.

Photo: John Hollenbeck

On top of the buzzing shipping scene, Port of Los Angeles offers an array of recreational and cultural opportunities from a marine aquarium, to museums and historical landmarks, an artisanal marketplace, and vast marinas, parks, and beaches.

Make your way to Port of Los Angeles this spring and catch some fantastic events both on and off the water:

Cabrillo Marine Aquarium: The Cabrillo Marine Aquarium is an educational, recreational, and research facility devoted to encouraging active public participation to promote knowledge and conservation of marine life in Southern California. Join the aquarium for their Earth Day Fair and Coastal Bird Fest taking place on Saturday, April 16th from 10am-3pm. This event will kick off with a beach cleanup at Cabrillo Beach followed by arts, crafts, and nature-based activities back at the Aquarium. For directions and details reference www.cabrillomarineaquarium.org/events-news/.

Waves 'N' Wheels: In celebration of World Trade Week, the Port will host Waves 'N' Wheels Boat Tours on Saturday, May 21st. This free public event displays the unique vehicles and vessels that work in the Harbor as well as offers 60 minute narrated boat tours available all day. Visit www.lawaterfront.org for details.

CRAFTED: CRAFTED is a large-scale permanent handmade artisan marketplace that's home to more than 100 artists, crafters, and food makers. The market is open year round on Fridays, Saturdays, and Sundays from 11am-6pm. During the month of April, workshops on up-cycling and eco-friendly craft making will be held. Parking and admission are free! For more information, visit www.craftedportla.com.

If you're looking for fun-filled adventure combining urban and marine activities, Port of Los Angeles is the perfect destination for you! For guest slip inquiries contact Cabrillo Way Marina (310) 514-4985 or California Yacht Marina (CYM), Wilmington (310) 834-7113. Remember to properly empty your sewage holding tank at one of two sewage pumpout stations located at Cabrillo Way Marina or CYM Wilmington!

MDRA Youth Fishing Program

Author: Larry Brown - Marina del Rey Anglers

Screams of joy ring through the balmy Southern California morning as children wave to the mischievous gulls zig zagging above the boat, and the lazy but noisy sea lions basking on the rock jetty and breakwater. When the boat leaves the protected marina and enters the open ocean more screams as many children experience their first swells and a gently rocking boat. It's a lucky morning and we are immediately welcomed by a large pod of friendly and exuberant dolphins riding our bow wake. We haven't even started fishing yet and the kids have been bombarded with new sights, sounds, and experiences.

Continued on next page.



Experiencing the open ocean and learning how to fish connects kids to nature and gives them a chance to get away from the urban outlook.

Photo: MDRA



Southern California Chapter

MDRA Youth Fishing Program

Continued from previous page.

It's moments like this that solidify the profound impact of programs that connect and help develop a zeal for the outdoors, especially for our ocean and beach resources. Marina Del Rey Anglers (MDRA), a local fishing club, takes hundreds of children from the greater Los Angeles communities on half-day ocean fishing trips every year. In 2015, MDRA hosted over 500 kids, many from at risk environments and many for their first fishing trip and possibly first boating trip. Many have never seen the Pacific Ocean despite living within 20 miles of it. The kids come from community service organizations such as Boys and Girls Clubs, LAPD's Activity Leagues, LA Sheriffs Youth Groups, County Youth Shelters, and others. Funding and volunteers are always the biggest constraints, so if you or your club would like to help further MDRA's mission of making a difference in the lives of hundreds of children, please contact Tom Jonynas, President MDRA, (310) 422-0040 or tom.jonynas@gmail.com.



Kids learn about all things fishing and environment. Healthy and safe fish consumption, sustainable fisheries, and how to be environmental citizens and leaders.

Photo: MDRA

Oceanside Harbor enjoys their BILGE PUMPOUT

A new facility to conveniently and properly dispose of oily bilge water is now available in Oceanside Harbor, the first use of its technology in the U.S.

The equipment is free to use and open to the public. Boaters can now conveniently redirect their oily bilge water, from dumping straight into the ocean, into a proper collection and treatment unit. Once the boater uses the pump and hose located on the dock at the Coast Guard building, the oily water is pumped up into an oil-water separator, which sits inside a small room of the Coast Guard building. Here's a tip: be sure to only use the blue pumpout for your bilge, and the white one for the sewage holding tank.

The oil-water separator, built by KECO Pump and Equipment, needs no filters or chemicals and requires very little maintenance. "Naturally oil and water will separate from one another, we're just making the process happen much quicker," said Andrew Bleier, Senior Vice President at KECO.

Once separated, the water is clean enough to be disposed of into the City's sewer system. The oil is collected in 55-gallon drums for recycling and reuse.



Bilge pumpout officially opened after a ribbon cutting on December 11, 2015.

Photo: Grace Lee

One pint of oil can produce a slick of approximately one acre (about 209 square feet) on the surface of water, which is harmful to marine life and sticks to everything it comes in contact with, from beaches and bird feathers to boat hulls and docks.

"Bilge pads can soak up limited amounts of hydrocarbons, but having bilge-water pumpout equipment available as a resource to boaters is the best answer," said Paul Lawrence, Oceanside's Harbor Manager.

This project was conceived of and led by The Bay Foundation in collaboration with the City of Oceanside Harbor Department, and KECO Pump and Equipment. It was paid for by a grant from CalRecycle.

To see a video tour and demonstration of Oceanside's bilge pumpout and oil-water separator visit www.santamonibay.org.

For a list of other bilge pumpout facilities in the state visit www.dbw.parks.ca.gov/Environmental/CleanGreen/BilgePumpout.aspx.

The Delta, Abandoned Boats, and the AWAf

Author: Susan Sykes, Derelict Vessel Programs Administrator for the AWAf and VTIP grants.

The State Parks Division of Boating and Waterways (DBW) is authorized with the oversight of two of California's reimbursement grant programs pertaining to the abatement of abandoned vessels and marine debris.

In 1999, DBW began providing grants through the Abandoned Watercraft Abatement Fund (AWAF) to local public agencies to remove, store, and destroy abandoned vessels and marine debris. Recognizing the need to intercept vessels before they are abandoned, the California State Legislature created the Vessel Turn-In Program (VTIP) in 2009. The VTIP provides for the voluntary surrender of a vessel by the boat owner to a participating VTIP agency, free of charge. To date, almost 2,000 vessels have been removed through the AWAf at a cost of approximately \$3,300 each. The VTIP has accepted 350 vessels since 2010 at an average cost of \$1,400 each.



Jeffrey Dubois (boat owner) and Deputy Gary Madison of Contra Costa County.

Photo: Contra Costa County Sheriff's Dept.

The California Delta, a favorite boating playground for many Californians, is a geological labyrinth of shipping channels and water trails. Chock full of islands, marinas, cities, and residential areas lining its levies, the area is also a convenient haven of hiding places for ditching an unwanted vessel. Having such a large boating community, many of whom have been in the area for generations, means that a large number of the vessels are aging beyond reasonable repair. Consequently, owners who are unable or unwilling to dispose of their boats correctly find ways to dump their boats in the Delta.

In an effort to stem the tide of abandoned vessels, all of the local county's sheriff's departments now participate in the AWAf and VTIP grants. These counties include Contra Costa, Solano, Sacramento, and San Joaquin. Stepping up to assist with areas in the immediate vicinity of the Delta, the Sacramento Police Department, the Port of West Sacramento, and the Yolo County Sheriff's Office also participate in these grants. Between these agencies, since 2010 when the VTIP began, 182 AWAf vessels have been removed and 148 boats have been voluntarily surrendered through the VTIP.



Houseboat raised after sinking at a marina in the Delta.

Photo: Contra Costa County Sheriff's Dept.

For more information about this statewide program visit: www.dbw.parks.ca.gov/Funding/AWAf.aspx.



California Delta Chapter

A Boat named "Winnie"

Author: Devery Stockon, Owl Harbor Marina

Where does one start when talking about waste and pump outs? I guess the best place is the beginning.

I consider us pretty new in the marina industry, starting with our purchase of Owl Harbor Marina in March 2009 which came with a portable pump out caddy. If you haven't used one of these, it's a small waste tank on wheels, a hand pump on top and a handle to pull it around. We found it to be a satisfactory way for our tenants to help in keeping the Delta and their boats clean.

However, after personally using the caddy for my own boat, I found that it took a few hours from start to finish. It wasn't always an easy task, or convenient. We felt in order to get more people to pump out their boats regularly, we needed to make it easier, faster, and certainly more convenient. We decided to work towards valet-in-slip pump outs.



The mobile service, Winnie.

Photo: Owl Harbor Marina

We had access to a 17' Boston Whaler boat so we painted her and worked closely with Keco Pump and Equipment personnel to get her outfitted with all the necessary requirements to be self-sufficient in taking on this task. This included a 125 gallon tank, waste pump, controls, 50' of hose and fittings, as well as racks and stands. Since we were already working on her, we also decided it would be useful to add an emergency fire pump and suction hose onboard.

To make the most of our time we created a schedule of pumping out boats every Friday with a sign-up sheet for each month. This allowed tenants to call and get on the schedule ahead of time, as well as setting up a regular schedule for those requiring multiple pump outs in a month. We have an occasional "off-schedule pump out" request in which we will pump a boat out if we are available. To empty the waste, we take Winnie to one of our designated areas where we have hook-ups to our septic system.

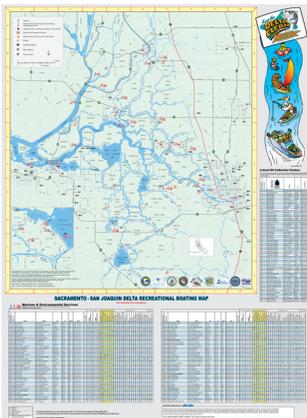
We have found this to be cost effective, and most of all convenient, for our tenants and guests in keeping the Delta Clean! For more information, please visit www.owlharbor.com.



Winnie and Owl Harbor staff at work.

Photo: Owl Harbor Marina

Get a Free Copy of the Recently Revised Delta Clean Boating Map



Front cover of the [Delta Clean Boating Map](#).

The California Division of Boating and Waterways and the California Coastal Commission's Boating Clean and Green Program have produced 15,000 copies of the newest version of the [Delta Clean Boating Map](#). This map includes locations of marinas along with pollution prevention services they offer, such as used oil collection, sewage and bilge pumpout, oil absorbent distribution and collection, and marine battery collection. The map also includes mobile boat-to-boat services along with helpful information about clean and safe boating practices. Since 2009, over 60,000 copies have been produced and distributed.



Back cover of the [Delta Clean Boating Map](#).

To order free copies of this map, contact Vivian Matuk at (415) 904-6905 or vmatuk@coastal.ca.gov.

Northern California Chapter



Marina Bay Yacht Harbor Aerial view.

Photo: Marina Bay Yacht Harbor

Author: Stephen Orosz, Marina Bay Yacht Harbor Harbormaster

Destination Series:

Come and Visit

MARINA BAY YACHT HARBOR

in Central San Francisco Bay

Built on the site of a former World War II shipyard that built Liberty & Victory ships, Marina Bay Yacht Harbor (MBYH) opened in the mid-1980s as a recreational marina with 850 slips.

The marina is located in Richmond in the central San Francisco Bay. While the area surrounding the marina has mostly been developed with parks and housing, there are still some reminders of the shipyard legacy left behind from half a century of ship building. Some nearby parcels are still undergoing remediation while others have been capped to prevent disturbing the heavy metal contaminated soil left behind.

The marina offers beautiful views of Downtown San Francisco, Oakland, Marina Bay, and the entire San Francisco Bay area. Currently MBYH has 825 boat slips that can accommodate vessels from 20' to 120' long. The marina offers a variety of pollution prevention services for boaters and visitors including used oil and used oil filters collection and oil absorbent distribution and collection. Aided by a grant from Contra Costa County hazardous waste facility, MBYH has two containment sheds to house the waste oil tanks and collection drums for the filters and absorbents.

With the move of the international Strictly Sail Pacific boat show to Richmond in April, 2016, MBYH has taken the opportunity to complete a major renovation of one of their most problematic docks. Built over 30 years ago as a single arm with cross-wind 30' and 36' slips, G-Dock had long been a poor performer. Because of the cross-wind configuration, with the typical high San Francisco Bay spring and summer winds, docking proved to be a challenge for many boaters. Landing the boat show provided the impetus to rehabilitate and reconfigure G-Dock to make it much more usable for the long term. The marina replaced the wooden walers and used a number of the finger floats to widen the main walk making a single long dock with only a few slips to accommodate the Police, Fire, and other safety boats. By replacing the water and sewage pumpout lines with HDPE piping, the marina expects to get many more years of leak-free service. As a major part of the reconfiguration, MBYH replaced all the electric wiring and added three super-yacht power centers. With the new configuration and power G-Dock, the marina will be much more versatile for the future and able to accommodate a wider variety of vessels up to 100'-plus in length. For more information about the marina and the upcoming boat show visit: www.mbyh.com.



Used oil collection shed at the marina.

Photo: Marina Bay Yacht Harbor



Photo: Marina Bay Yacht Harbor

In addition and on the docks (end of G Dock & top of D Dock), the marina has two sewage pumpouts available free of charge 24/7 that were partially funded by a [Clean Vessel Act grant provided by the California State Parks Division of Boating and Waterways](#). At the boat launch ramp the marina has two fishing line collection stations in partnership with the [California Boating Clean and Green Program](#).

One of the fishing line collection stations at Marina Bay Yacht harbor.



Northern California Chapter

The 2015 Northern California Sewage Pumpout Report

Author: James Muller, San Francisco Estuary Partnership

The San Francisco Estuary Partnership (SFEP) has been working with California State Parks Division of Boating and Waterways (DBW) since 2007 to collect information on the marine sewage pumpouts in the San Francisco Bay and the Sacramento San Joaquin Delta. SFEP visits about 70 marinas four times annually to check their status, condition, signage, and operation. Once the surveys have been completed, they are entered into our database where they have silently lived...until now!

Late last year, SFEP released the summary report of its multi-year data collection effort. This report provides boating facility operators, managers, and boaters with information on the 90 or so systems in the Northern California region. The report looks at statuses and trends in condition, use, and metrics gathered on site including vacuum and 5-gallon pumpout time.

SFEP found some very interesting results that will allow marina managers to proactively plan for the most likely scenarios that may cause their systems to go down. One of the big take away messages from this report is that broken or missing parts and long term maintenance results in nearly 40% of all inoperable pumpouts. This means that a large number of marinas with broken pumpouts could reduce their downtime by having spare parts on hand in case something happens.

To try and help marinas with this, SFEP has been bringing nozzles with them during surveys to replace those that are missing or no longer working. SFEP is also leaving post cards with all the marinas they visit to ensure marinas know how their systems are operating or if their pumpouts are down. To reduce the costs of keeping pumpout systems running, marinas can apply for grant funds through the DBW Clean Vessel Act Program. If you'd like to read the report or find more info on the Clean Vessel Act Grant, please visit us online at www.sfestuary.org/boating.



Broken pumpout found during surveys.
Photo: San Francisco Estuary Partnership



Fisherman at Guadalupe Beach.
Photo: Sonia Garcia

Got Fishing Line? Make a Difference at Your Facility

With support from the BoatUS Foundation, the California State Parks Division of Boating & Waterways and the California Coastal Commission's Boating Clean and Green Program (BC&GP) and many partners have been installing [fishing line recycling stations](#) throughout CA. We recently reached a very important mark installing 207 stations all over the state, [see map](#). To date, 1,100 pounds of fishing line have been collected and properly recycled. Stretched out, this line would stretch from San Francisco, CA to Cloverdale, Indiana!

Want to make a difference and become a partner? Contact the BC&GP at (415) 904-6905 or vmatuk@coastal.ca.gov.



To date, 1,100 pounds of fishing line have been collected and properly recycled. Stretched out, this line will stretch from San Francisco, CA to Cloverdale, Indiana!

Little Things That Matter

Did you know there are dedicated hotlines to call if you discover sick or injured marine mammals or birds?



Humpback (Delta/Dawn) breaching in Sacramento River.

Photo: S. Wilkin/NOAA OPR

Marine Mammals:

Statewide Whale Rescue Team

(877) SOS-WHALES

Humboldt County & Del Norte County

North Coast Marine Mammal Center: (707) 465-6265

San Luis Obispo County through Mendocino County

The Marine Mammal Center: (415) 289-7350

Santa Barbara County

Santa Barbara Marine Mammal Center: (805) 687-3255

Ventura County

Channel Islands Marine & Wildlife Institute: (805) 567-1505

Los Angeles County

Fort MacArthur Marine Mammal Care Center: (310) 548-5677

Orange County

Pacific Marine Mammal Center: (949) 494-3050

San Diego County

SeaWorld: (800) 541-7325

Birds:

Statewide

Wildlife Emergency Services: (866) WILD-911

NorCal

International Bird Rescue San Francisco Bay Center: (707) 207-0380

SoCal

International Bird Rescue Los Angeles Center: (310) 514-2573

Check Our 2016 Events Calendar and Join Us!

Plan to join us in some of the following free trainings and workshops:

To register and for more information about any of these trainings and events, please contact Vivian Matuk at vmatuk@coastal.ca.gov or (415) 904-6905.

California Coastal Cleanup Day

September 17 Statewide

Check out www.CoastalCleanupDay.org for further details.

Marinas and Yacht Clubs Spill Response Communication Workshops

March 29, 2016

9:30 am - 12:30 pm
Ebony Boat Club in Stockton
445 W Weber Ave, Stockton, CA 95203

April 1, 2016

9:30 am - 12:30 pm
City of Newport Beach
Marina Park Facility, Bay Island Room
1600 West Balboa Boulevard
Newport Beach, CA 92663

Aquatic Invasive Species Prevention Workshops

Tuesday, April 12, 2016

8:45 am - 2:45 pm
Stanislaus County Department of Environmental Resources
Training Center Room DE
3800 Cornucopia Way
Modesto, CA 95358
Workshop Partner: Stanislaus County

Thursday, May 19, 2016

8:45 am - 2:45 pm
Seymour Marine Discovery Center
La Feliz Room
100 Shaffer Road, Santa Cruz, CA 95060
Workshop Partners: Seymour Marine Discovery Center, Smithsonian Environmental Research Center and UC-Davis, Romberg Tiburon Center and Save Our Shores.

Dockwalker Trainings

Registration is a must. Download the [Northern California](#) or [Southern California](#) flyer/registration form.

Saturday, April 16 - San Pedro/Long Beach

10 am - 12:45 pm
Holiday Harbor - Cabrillo Marina
241 Watchorn Walk, Berth 34 San Pedro, CA

Tuesday, April 19 - Petaluma

6:30 pm - 8:30 pm
Petaluma Yacht Club
10 C St, Petaluma, CA 94952

Saturday, April 23 -San Diego

10 am - 12:45 pm
Sunroad Resort Marina, Pavilion
955 Harbor Island Drive, San Diego, CA

Friday, April 29 - Vacaville

8:30 am - 11:00 am
Solano County Water Agency
Lake Berryessa Room
810 Vaca Valley Pkwy #203, Vacaville, CA 95688

Tuesday, May 3 - San Rafael

7 pm - 9 pm
Loch Lomond Yacht Club
95 Loch Lomond Dr, San Rafael, CA

Changing Tide Staff:

Southern California Chapter

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Northern California Chapter

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