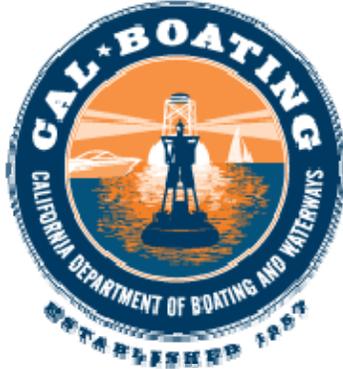


State of California
Natural Resources Agency
Department of Boating and Waterways



26TH BIENNIAL REPORT

FISCAL YEARS 2006-7 AND 2007-8

OCTOBER 2009

Arnold Schwarzenegger
Governor
State of California

Mike Chrisman
Secretary for Natural Resources
Natural Resources Agency

Raynor Tsuneyoshi
Director
Department of Boating and Waterways

**Department of Boating and Waterways
Biennial Report for Fiscal Years 2006-07 and 2007-08**

Pursuant to Section 63.6 of the Harbors and Navigation Code (HNC), the Department of Boating and Waterways (DBW) submits to the Boating and Waterways Commission, Legislature, and Governor its biennial report covering Fiscal Years 2006-07 and 2007-8 (July 1, 2006 through June 30, 2008). This section requires that the report contain specific information on private marina loans, berthing rates, personal watercraft safety, and general information on departmental operations during this biennium.

Private Marina Loans

HNC Section 63.6 requires that DBW report the following:

- The total amount of private marina loans made during this biennium
- The name of the recipient of each loan
- The location of the marina for which each loan was made
- The financial status of each loan
- Any legislative recommendations

During this biennium, DBW made a total of \$2.287 million in loans to private marina owners pursuant to Article 5 (commencing with Section 76) of Chapter 2 of Division 1 of the HNC. The table below contains the required information for each loan.

PRIVATE MARINA LOANS FY 2006-07 & FY 2007-08			
NAME	LOCATION	LOAN AMOUNT	STATUS
Oxnard Marina LP	Oxnard Marina (Channel Islands)	\$2,287,000	Loan contract signed June 2008

Senate Bill 717 (Runner) was signed by Governor Schwarzenegger and became law on January 1, 2010. It contains revisions to the statutes that govern DBW’s loan programs along with other updates to the Harbors and Navigation Code. A copy of the chaptered bill is attached to this report.

Berthing Rates

HNC Section 63.6 requires that DBW report the status of DBW’s activities related to the monitoring of berthing rates at boating facilities for which DBW has made loans to public and private entities.

Under current policy, DBW collects information about berthing rates at boating facilities that receive loans pursuant to HNC Section 71.4 and Section 76.7(d). Prior to loan approval, applicants must provide berthing rate information to DBW as part of the loan qualification

process. Per the loan contract terms, borrowers are required to adjust berthing rates as necessary, but not less than once a year, based on the change in the US Bureau of Labor Statistics' Consumer Price Index. The loan contract also requires that borrowers conduct surveys of berthing rates in their market area and submit the results of such surveys to DBW by April 1 of each year. Berthing rates must be sufficient to assure timely and complete repayment of the loan, but should also be comparable to berthing rates for the surrounding market area.

Personal Watercraft Safety

HNC Section 63.6 requires that DBW report an evaluation of the public participation in the personal watercraft education course developed by DBW pursuant to HNC Section 668.3(b), along with a determination of the effect of the course on personal watercraft safety in California.

This course was developed in cooperation with the California State Sheriff's Association in 2000. It was most recently updated in 2007. This course is available both in booklet form and online at <http://www.dbw.ca.gov/BoaterInfo/PWCOnline/07.rescue.html>. Both the booklet and the online exam are widely used by the public for self-education on the subject of personal watercraft (PWC) safety. PWC registration with the Department of Motor Vehicles has risen steadily since 1993. Reported personal watercraft accidents have been steadily declining since 2000, when AB 2045 (Nakano) was enacted, requiring development of this safety course for public use. DBW cannot make a direct correlation between the development and delivery of this safety course to the public and the decline in PWC accidents. However, the reduction in PWC accidents while registration numbers continue to rise is a positive sign of improvement in PWC safety.

Department Operations

HNC Section 63.6 requires that DBW report on the operations of the department during this biennium. The following is a recap of DBW's overall operations during this period.

Boating Facilities Programs. The table below describes the major functions of DBW's boating facilities programs.

BOATING FACILITIES PROGRAMS	
PROGRAMS	FUNCTIONS
Loans to Local Public and Private Entities	Plan, design, renovate and construct small craft harbors, marinas, dry storage facilities, and fund emergency repairs
Grants to Local Public Entities	Plan, design, renovate, and construct launching ramps and facilities (such as boarding floats, restrooms, and parking areas) for

	motorized and non-motorized boats, ramp extensions for low water levels, ADA requirements, floating portable restrooms, sewage pumpout stations, navigational aids, portage trails, water trails and fund emergency repairs
Boating Facilities on State-Owned and Managed Lands (State Capital Outlay)	Plan, design, renovate, and construct small craft harbors, marinas, launching ramps and facilities for motorized and non-motorized boats, ramp extensions for low water levels, ADA requirements, boat-in only sites, boating education centers, and fund emergency repairs – includes State Parks and State Water Project facilities
Aquatic Centers on State-Owned and Managed Land (State Capital Outlay)	Plan, design, renovate, and construct Aquatic Center facilities used for classroom and on-the-water boating, kayaking, sailing, rowing and boating safety training
Design Guidelines	Develop nationally recognized design guidelines for boat launch facilities and marinas

During this biennium:

- Construction loans made to 5 private marina owners totaled \$6,000,000.
- Small craft harbor loans made to 5 public entities totaled \$38,050,000.
- Boating facilities grants made to 18 public entities totaled \$19,158,500.
- Capital Outlay expenditures totaled \$12,185,000.
- Boating Trails grant expenditures totaled \$1,200,000.
- Clean Vessel Act grant expenditures for vessel pumpout facilities totaled \$2,907,544.

Boating Law Enforcement Programs. The table below describes the major functions of DBW’s boating law enforcement programs.

BOATING LAW ENFORCEMENT PROGRAMS	
PROGRAMS	FUNCTIONS
Grants to Local Public Entities	Fund personnel for law enforcement; inspections for safety equipment, registration, - supervision of organized boating events; on-the-water boating activities; search and rescue - and recovery of drowned bodies

Grants to Local Public Entities	Fund purchase of patrol boats, marine patrol equipment and training
Law Enforcement Training	Provide training—Boating Safety and Enforcement, Boating Under the Influence, Basic Boat Handling, Basic Accident Investigation and Reconstruction, Introduction to Personal Watercraft for Law Enforcement, Piloting and Navigation, Marine Fires, and Advanced Accident Investigation and Reconstruction, and Core Training Certification

During this biennium:

- Law enforcement grants to 38 local public entities totaled \$21.2 million.
- Equipment grants to 71 local public entities totaled \$3.625 million.
- Training of 801 boating law enforcement officers totaled \$571,000.

Boating Operations Programs. The table below describes the major functions of DBW’s boating operations programs.

BOATING OPERATIONS PROGRAMS	
PROGRAMS	FUNCTIONS
Grants to Local Public Entities	Fund removal, storage and disposal of abandoned recreational vessels and other navigational hazards
Yacht and Ship	License and regulate yacht brokers and salespersons
For-Hire	License and regulate vessel for-hire operators

During this biennium:

- Abandoned watercraft abatement grants to 15 local public entities totaled \$876,500.
- DBW regulated 396 licensed yacht and ship brokers, 24 associate brokers, 842 salespersons and 66 branch offices and received \$221,043 in fees, fines and civil penalties.
- DBW regulated 572 licensed for-hire operators.

Safety and Education Programs. The table below describes the major functions of DBW’s safety and education programs.

BOATING SAFETY AND EDUCATION PROGRAMS

PROGRAMS	FUNCTIONS
If It's Your Boat, It's Your Responsibility	Carry out multimedia campaign to raise boaters' awareness of safety concerns and reduce accidents
Life Jackets (Wear It California Campaign)	Increase use of life jackets in the Sacramento-San Joaquin Delta through media and education outreach
Life Jacket Trade In	Inspect and replace damaged and outgrown life jackets
Life Jacket Loan Stations	Partners maintain a supply of life jackets to loan to the public for day or weekend use
AquaSMART	Develop and supply boating safety curricula for grades K-12
Safe & Wise Water Ways Poster Contest	California elementary school students are encouraged to create posters depicting aquatic and boating safety messages
Grants to Universities, Colleges, Local Public and Nonprofit Entities	Fund classroom and on-the-water safety education, including in kayaking, canoeing, sailing, water skiing, power boating, and personal watercraft
Boating Safety Courses	Review, approve and provide California boating safety courses
Colorado River Tri-State Partnership	Inform boaters of California, Arizona and Nevada boating safety laws that apply on the Colorado River; participate in annual event
Boating Accident Statistics	Collect and analyze boating accident reports; develop safety strategies, make recommendations
Boating Publications	Produce and distribute information on safety, equipment, laws, boating trail and waterway maps and clean boating
Clean Vessel Media Campaign	Perform statewide public outreach to educate boaters about proper sewage disposal and the use of pumpout facilities

During this biennium:

- DBW launched a new multimedia boating safety campaign for the 2006 boating season called "If It's Your Boat, It's Your Responsibility". This tagline pulled together previous diverse messages into one unified approach, resulting in a doubling in advertising recall rates among boaters from 39% prior to 2006 to 78% at the end of the 2008 boating

season. At that time the department also developed the Website BoatResponsibly.com which linked boaters who had been reached by the new safety slogan to the department's main Website.

- The multimedia boating safety awareness campaign also included beach 105 barrel wraps, 233 wall graphics at 176 marinas, and mobile billboards at high traffic times within the top 10 boating accident areas throughout the state. Direct telephone messages to registered boaters prior to holiday periods totaled 243,000. Over the two year period the radio campaign logged 285 million impressions among California boaters from actual boating accident victims or family members who had lost a family member to a boating accident.
- Through partnerships and promotions, the multimedia boating safety campaign received \$2.7 million in added value exposure of its safety messages resulting in over 119 million additional impressions among California boaters. These impressions included over 60 visits to marinas and launch ramps by the Safety Team where over 3,000 boaters took boating safety quizzes to increase their knowledge of boating safety rules of the road.
- During National Safe Boating Week, the week before Memorial Day weekend, DBW partnered with Radio Disney, CBS Radio, and Sam's Club stores statewide to host life jacket trade-ins; the department released boating accident statistics, provided news releases to the media featuring boating safety tips; gave interviews with the media about safe boating and assisted with public safety events through the Aquatic Center Grant Program.
- Television promotions for boating safety included features on San Diego and Sacramento television stations prior to Spring Break and the July 4th holidays as well as 565 thirty-second spots provided through a partnership with Comcast SportsNet
- Boating safety messages to anglers were delivered via messages and interviews with the Department's director and staff members on Northern and Southern California angler radio programming.
- DBW continued public outreach to encourage boaters to use life jackets through the Wear It California! campaign.
- DBW successfully implemented an annual life jacket trade in program in which participants trade in an old and/ or outgrown life jackets for a new, appropriately fitted United States Coast Guard approved life jacket.
- The AquaSMART program served 210 schools statewide and reached approximately 500,000 school children.
- Aquatic Center grants for aquatic safety and education were awarded to 41 organizations and totaled \$1,853,000.
- DBW continued to provide the California boating safety course to the public.

- DBW continued to help promote the annual Tri-State Boating Safety Fair in partnership with Arizona and Nevada, focusing on the Colorado River system.
- DBW collected, analyzed and published boating accident statistics on 1,561 reported accidents, representing 927 injuries, 97 fatalities and \$19,557,175 in property damage.
- DBW continued to produce and distribute a wide range of multi-media boating safety messages and publications.
- DBW continued to produce and distribute pamphlets, flyers, radio public service announcements and pumpout location maps under the Clean Vessel media campaign.

Environmental Programs. The table below describes the major functions of DBW’s environmental programs.

ENVIRONMENTAL PROGRAMS	
PROGRAMS	FUNCTIONS
Quagga/Zebra Mussel Control	Produce and deliver information and workshops to help stop the spread of Quagga/Zebra mussels and other aquatic invasive species
Aquatic Weed Control	Control Water Hyacinth and <i>Egeria densa</i> in the Delta as lead agency
Oceanography (Scripps Institution of Oceanography, SIO)	Fund coastal and estuarine oceanography monitoring and study projects to improve boating facility and beach erosion and restoration design, and boating and maritime safety and access; support climate change data collection and studies; DBW Ph.D. Oceanographer is stationed on-site at SIO
Coastal Data Information Program (CDIP)	Fund, in part, efforts to monitor, model, and forecast ocean swell and coastal wave heights using long-term data collection; information used by recreational boaters, commercial fishing and shipping industries, the military, and ocean enthusiasts; develop a beach-change forecasting model in the SCBPS
Southern California Beach Process Study (SCBPS)	Partner in comparing wave data with measured beach changes using LIDAR and GPS surveys to understand physics of beach accretion and erosion; predict effects of sea level rise on the California coastline and related infrastructure

Anti-Fouling Paint	Undertake study to determine the effects of copper bottom paints on species in the Shelter Island Boat Basin; fund study with Sea Grant Extension to educate boaters on anti-fouling paint issues
California Coastal Sediment Master Plan	Partner in multiagency effort to develop strategies to achieve best balance of coastal infrastructure protection, beach recreational benefit, and environmental protection
Economic Impact of Sea Level Rise	Assess economic impact of the effects of sea level rise on California beaches
Grants to Local Public Entities	Plan, design and restore public beaches for protection of habitat, shorelines and statewide recreational and economic benefits by mitigating the loss of natural sand supply due to watershed urbanization and damming of rivers
Boating Clean and Green Program	Educate boaters about environmentally sound boating practices; both directly and by assisting local boater education efforts and provide technical assistance to marinas and local governments to increase availability of environmental services for boaters.

During this biennium:

- Through its internet Web site, DBW continued to keep boaters informed of waterway restrictions and closures due to quagga/zebra mussel containment efforts.
- DBW Director Raynor Tsuneyoshi initiated talks with the states of Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon and Utah to establish a regional accord regarding the quagga/zebra mussel threat. It was agreed that a consistent inspection protocol needs to be established. The Natural Resources Agency will head this effort.
- DBW aided in the production of a quagga/zebra mussel protocol book that has been made available to boaters.
- DBW continued to educate boaters about the threat of the quagga/zebra mussel by providing educational materials in news releases, DMV registration renewal notices (November 2007), at boat shows, meetings, Dockwalker trainings, and in Keep the Delta Clean boating kits through the Boating Clean and Green program.
- DBW's Aquatic Weed Control staff in the Sacramento-San Joaquin Delta received training in how to properly inspect vessels for quagga/zebra mussels.
- DBW conducted water hyacinth control across 2,446 acres of the Sacramento/ San Joaquin Delta between April 1 and October 15, 2006 and 1,137 acres in 2007.

- DBW conducted *Egeria densa* control across 536 acres of the Sacramento/ San Joaquin Delta between April 24 and October 13, 2006. In the 2007 and 2008 season, 2,571 acres in Frank's Tract were treated in April and May.
- DBW provided \$4.875 million in funding for studies and projects to restore five California beaches.
- DBW provided \$50,000 in funding for a California Dredge Ownership Study to evaluate the feasibility of the State purchasing a dredge to perform future beach restoration activities. The study concluded that the purchase of a dredge to restore and maintain California's largest recreational attraction was feasible only if the State supported an expanded beach restoration program and an increased level of support.
- DBW provided \$85,000 in funding to San Francisco State University for a study of the economic impact of sea level rise on California beaches.
- DBW provided \$50,000 in funding to University of California at Santa Cruz for a study of sea level rise effects on California coastal beaches.
- DBW continued its participation in climate change research that provides analysis of long-term trends.
- DBW continued its support for a shore station program operated by Scripps Institution of Oceanography. The program is to gather, archive and publish temperature and salinity data.
- DBW continued its support of scanning, digitization and analysis of seismographic data related to long term wave information.
- DBW continued its work on the federally-funded Southern California Beach Processes Study, focusing on the San Diego Region from Dana Point to the Mexican border.
- DBW continued twice per year video over-flights to show changes in shoreline positions along the southern California coast.
- DBW continued its research on boat-bottom paints that provide protection against invasive species and the trade-offs between toxic and non-toxic alternatives.
- DBW provided \$1.44 million in funding to and continued its work on the Coastal Sediment Master Plan, to identify and prioritize management needs or coast erosion, recreational opportunities, dredging and sediment flow through coastal watersheds.

This report can be found online at <http://www.dbw.ca.gov>. A hard copy can be ordered by contacting DBW at pubinfo@dbw.ca.gov or (916) 263-1331.