

**CALIFORNIA COASTAL COMMISSION**

45 FREMONT, SUITE 2000  
SAN FRANCISCO, CA 94105-2219  
VOICE AND TDD (415) 904-5200  
FAX (415) 904-5400

**DESCRIPTIONS OF WHALE TAIL® GRANTS BY COUNTY**  
**FY 2008/09 – FY2010/11****SAN DIEGO COUNTY:**

- **Chula Vista Elementary School District** to support the coastal science education program at the Chula Vista Nature Center (\$22,454). For ninety classes of fourth and fifth grade students to visit the Chula Vista Nature Center and participate in the science education program there.
- **I Love A Clean San Diego** for the Adopt-A-Beach Program in San Diego County (\$21,000). To recruit new beach cleanup volunteers and recognize them with signs posted at their adopted beaches, make interpretive presentations to groups conducting their cleanups, and have inland creeks adopted for cleaning.
- **I Love A Clean San Diego** for the Kids' Adopt-A-Beach Assembly Program and Beach Cleanup in San Diego County (\$16,500). For an assembly program to educate students at 10 underserved elementary schools about the harmful effects of ocean pollution, and culminating in a beach cleanup event for 1,000 students
- **Ocean Discovery Institute** to support the Ocean Leaders Initiative (\$25,000). For youth from the community of City Heights to engage in ocean science after-school and summer programs, including a group of teens conducting research alongside scientists in the Sea of Cortez.
- **San Diego Canyonlands** for the Coastal Canyon Education and Restoration Project (\$8,350). Friends groups for two creek canyons in City Heights were organized and the public helped restore and clean the creeks while learning how their work benefits the water quality of the ocean.
- **San Elijo Lagoon Conservancy** for a 3-year project for underserved elementary students in Escondido (\$20,872). For students in grades 3-5 to learn about wetlands, food chains, water resources and related topics and explore the downstream end of their local watershed, as Escondido Creek drains to the San Elijo Lagoon.

**ORANGE COUNTY:**

- **Boys & Girls Clubs of Tustin** for the SeaTech program (\$26,700). Teens participated in a weekly ocean science and career program, including in-depth activities at the Ocean Institute. Younger students took part in SeaTech's feeder program, "Ultimate Oceans."
- **California State University, Fullerton** for "The Ocean Rocks!" (\$41,500). A new curriculum for the Anaheim Union High School District taught plate tectonics and geologic processes through an in-depth study of the sea floor. Special training for high school teachers and science teachers-in-training was also provided.

- **Crystal Cove Alliance** for a new beach wheelchair (\$3,700). A special wheelchair that can be pushed across the sand (and extra replacement parts) was purchased for visitors to Crystal Cove State Park.
- **Newport Bay Conservancy** to host 400 high school students at Upper Newport Bay (\$10,000). For students from underserved high schools in Orange, Los Angeles, Riverside, and/or San Bernardino counties to participate in an educational tour of Upper Newport Bay in outrigger canoes and also take part in a habitat restoration activity. Also for their teachers to receive training on leading hands-on wetland education lessons.
- **Laguna Ocean Foundation** for a tidepool education program (\$8,300). Docents at Heisler Park Marine Reserve educated visitors about environmentally friendly tidepooling habits.
- **Ocean Institute** in Dana Point for two citizen science teaching stations at a new Seaside Learning Center (\$32,900). For a biodiversity station with tanks filled with marine life and wet tables for finding invertebrates living in the mud. Also for an aquatic acoustic listening station for visitors to tune into different microphones deployed in the water.
- **Orange County Coastkeeper** for the Kids' Adopt-A-Beach Assembly Program and Beach Cleanup in Orange County (\$12,500). For an assembly program to educate students at 7 inland elementary schools about the harmful effects of ocean pollution, and culminating in a beach cleanup event for 750 students.
- **Orange County Coastkeeper** for a new eelgrass laboratory (\$15,120). Staff worked with the California Department of Fish and Game to design and build a laboratory at the Back Bay Science Center in Newport Beach to grow eelgrass for future restoration projects. An aquatic plant ecology curriculum was also developed.
- **Pacific Marine Mammal Center** for the Pinniped Pollution Project (\$9,975). For this rehabilitation facility to host 500 elementary students from underserved, inland Orange County communities to teach them about the ways trash travels to the sea, the harmful effects of marine debris, and how to prevent ocean pollution.

#### **SAN BERNARDINO AND RIVERSIDE COUNTIES:**

- **Trails4All** for expanding Coastal Cleanup Day in the Santa Ana River watershed (\$12,000). For Trails4All to work to educate and recruit new public agencies to host volunteer cleanup events along waterways draining to the coast.

#### **LOS ANGELES COUNTY:**

- **Camino Nuevo Charter Academy** for visiting and researching Catalina Island (\$5,000). For life science students from the underserved Westlake neighborhood of Los Angeles to attend USC's Wrigley Marine Institute on Catalina Island, conduct and present a research project upon their return, and educate younger students through the school's "Science Ambassadors" program.
- **Children's Nature Institute** to support "Tides of Change" (\$9,999). For "Tides of Change" (\$9,999). For first and second grade students (and their siblings and parents) from low-performing schools in inner-city Los Angeles to take part in a five-

session enrichment program providing marine ecology and coastal wetlands education in an age-appropriate manner.

- **El Dorado Nature Center** for the Adopt-A-Wetland program (\$5,000). For recruiting at least 200 high school students to help clean Golden Shore Marine Reserve in Long Beach. A curriculum about wetlands and pollution prevention was also developed.
- **Heal the Bay** for continuing the Adopt-A-Beach Program in Los Angeles County (\$30,000). For holding large monthly public cleanup events, leading volunteers to clean beaches following rainstorms, and transporting students from underserved inland schools for a beach cleanup and educational presentation.
- **Los Cerritos Wetlands Authority** to support the Los Cerritos Wetlands Stewardship Program in Long Beach (\$18,000), allowing community volunteers the opportunity to adopt a wetland, help remove litter from Los Cerritos Wetlands, and learn about native plants as they remove invasive species at public restoration events.
- **Malibu Foundation for Environmental Education** for the Kids' Adopt-A-Beach Assembly Program and Beach Cleanup in Los Angeles County (\$17,000). For an assembly program to educate students at 12 underserved elementary schools about the harmful effects of ocean pollution, and culminating in a beach cleanup event for 1,200 students.
- **Surfrider Foundation, West Los Angeles/Malibu Chapter** for the Teach & Test Program at Santa Monica High School (\$39,135). To develop a state-of-the-art ocean chemistry laboratory to help students conduct water quality testing and study long- and short-term patterns of pollution levels. Their findings were shared with community members as well as other students.

#### **VENTURA AND SANTA BARBARA COUNTIES:**

- **Channel Islands Restoration** to support the Channel Islands Habitat Restoration Project (\$15,000). For students in grades 3-5 from Title I schools in Ventura County to learn about the ecology and history of the Channel Islands and the impact of native plants. They also took boat rides to remove invasive ice plant (on Anacapa Island) or removed invasive weeds and plant native species (on Santa Cruz Island) as part of an ongoing restoration project to improve habitat.
- **Santa Barbara Natural History Museum** for a "Superpowers" exhibit at the Ty Warner Sea Center (\$9,500). For the Sea Center to stage a one-year exhibit about marine pollution featuring local "superpowered" marine life of the Santa Barbara Channel, the "villains" that threaten them, and the ability of people to become "heroes" for the ocean through everyday actions.
- **Surfrider Foundation** for the Ocean Friendly Gardens Project (\$20,000). To support two "Ocean Friendly Garden" series, one in Santa Barbara County in one in Ventura County, including classes, hands-on workshops, planting events, neighborhood outreach, and training for professionals all on the topic of environmentally friendly gardens that do not produce runoff to the ocean.

**SAN LUIS OBISPO COUNTY:**

- **Central Coast Natural History Association** for a middle school marine science program (\$9,918). Five different science field trip programs were piloted for Los Osos seventh graders at locations including Morro Bay and Montaña de Oro State Park.

**FRESNO COUNTY:**

- **Fresno's Chaffee Zoo** for enhancing the "Stingray Bay" exhibit (\$9,999). The Zoo's hands-on stingray exhibit became an avenue for teaching visitors about safe and sustainable fishing practices.
- **Fresno's Chaffee Zoo** for a Kids' Adopt-A-Beach Cleanup (\$6,900). To educate 230 students from underserved schools in Fresno about the harmful effects of ocean pollution, culminating in a trip to Monterey County for a beach cleanup event.
- **San Joaquin River Stewardship Program** for the San Joaquin River Salmon Project (\$40,000). To plan for the 2012 reintroduction of Chinook salmon to their historical spawning grounds in the San Joaquin River by educating Fresno area residents about the significance of this restoration, especially targeting Latino and Hmong community members who use the river for recreation and fishing.

**MONTEREY COUNTY:**

- **California State Parks, Monterey District** for the Point Lobos Summer Adventures Program (\$9,999). Designed to meet the goals of the Children in Nature Campaign, this summer day program involved 60 youth in activities such as touring Point Lobos, whale watching, and kayaking at Elkhorn Slough. Ten eligible participants were able to attend free-of-charge.
- **Camp SEA Lab** For programmatic activities (\$50,000). Camp S.E.A. Lab is an ocean science education camp offering both residential and day camp sessions for young people. The camp will also held training workshops for teachers and conducted outreach programs in classrooms.
- **Save Our Shores** to support a new Adopt-A-Beach program in Monterey County (\$20,000). For Save Our Shores to establish regular monthly volunteer beach cleanups in Monterey County including a presentation about plastic pollution and its impacts and alternatives. Also for Save Our Shores to conduct special outreach to prevent litter on beaches on the 4th of July.
- **Save the Whales** to support "A Whale of a Rhythm" Program (\$9,997). For elementary students from underserved schools in communities including Salinas and Watsonville to participate in a program combining music and science. They played percussion instruments along to recordings of cetacean vocalizations, communicated back and forth with each other, and learned about the impacts of underwater noise pollution.

**SANTA CRUZ COUNTY:**

- **Monterey Bay Aquarium Foundation** to support the Pajaro Valley USD Teacher Project (\$35,000). For training Watsonville area teachers at special workshops on integrating ocean conservation and science education into their curriculum.
- **O'Neill Sea Odyssey** for the Ocean Protectors program (\$20,808). Working jointly with Save Our Shores, O'Neill Sea Odyssey delivered a program on marine debris and stormwater pollution, including segments taking place onboard a traveling catamaran, to ten classes from underserved schools in San Jose.

**SANTA CLARA COUNTY:**

- **Environmental Volunteers** for the Marshland Media Project (\$9,750). To install a webcam at a new EcoCenter at the Palo Alto Baylands, streaming live images of the saltwater wetlands to a website about the Bay, marshes, the ecology of southern San Francisco Bay, and a guide to flora and fauna. Also to develop a self-guided interpretive tour of the Palo Alto Baylands, available to borrow from the EcoCenter or as a Smartphone application.
- **Franklin Elementary School** in San Jose for an overnight program at the Monterey Bay Aquarium (\$4,400). Forty-five children in 2nd and 3rd grade or who had special needs spent the night at the Monterey Bay Aquarium and learned about the different habitats of Monterey Bay and the ocean. They also researched a Monterey Bay animal, created an ocean mural using recycled materials, and joined their families for a local beach cleanup.
- **Jeanne Meadows Elementary School** in San Jose, also for an overnight program at the Monterey Bay Aquarium (\$7,400). Seventy-four children in 2nd and 3rd grade or who had special needs also had the opportunity to explore Monterey Bay Aquarium after hours and in the early morning. They also researched the different tidal zones and at school, learned about the water cycle, water pollution, the salmon life cycle, and life in the kelp forest.

**STANISLAUS COUNTY:**

- **Tuolumne River Preservation Trust** for "Trekking the Tuolumne" (\$20,000). For students at Salida Elementary School to trace the Tuolumne River to the Delta and the Pacific Ocean, visit salmon spawning grounds during the fall migration, raise salmonids in their classroom, release them into the wild, and tour The Marine Mammal Center and the Bay Model in the San Francisco Bay Area.

**SAN MATEO COUNTY:**

- **Pacifica Beach Coalition** for the Adopt-A-Beach program in Pacifica (\$23,000). For five hundred students in Pacifica's after-school programs to learn about threats to a healthy marine environment and participate in cleaning local beaches. Also for recognizing members of the general public with signs for adopting beaches and recruiting them to participate in Coastal Cleanup Day.

- **San Mateo County Resource Conservation District** to support Watershed Discovery Workshops (\$9,999). For elementary students from San Mateo County to visit Fitzgerald Marine Reserve at the mouth of San Vicente Creek and then travel up the watershed to Moss Beach Ranch to continue learning about watersheds, polluted runoff, and water quality.
- **Watershed Discovery Foundation** to create a “Watershed on Wheels” (\$20,000), a donated bus to be renovated into a traveling wet chemistry laboratory for residents of San Mateo County to learn about water quality, water pollution, and watershed health.

### **SAN FRANCISCO COUNTY:**

- **Clean Water Fund** for a zero-waste education project (\$9,999). To analyze and identify the likely sources of litter collected at heavily polluted storm drains in four Bay Area communities, then educate local businesses on the impacts of marine debris and a cost/benefit analysis of customers using reusable items.
- **Environmental Traveling Companions** to support a youth leadership program (\$24,000). For Bay Area youth with disabilities or from high-risk backgrounds to lead youth in similar situations on kayaking adventures and teach them about Bay ecology, watersheds, and other related topics.
- **Farallones Marine Sanctuary Association** to support the LIMPETS program (\$9,950). For 1,500 middle and high school students from around the Bay Area to study the distribution and abundance of either the Pacific mole crab on sandy beaches or 33 species at intertidal sites on the coast. Further, for students to enter their data into a database used by researchers to track the populations of key indicator species over time.
- **Golden Gate Audubon Society** to support the Eco-San Francisco Pilot Program (\$9,999). To expand Golden Gate Audubon’s environmental education program to Bayview-Hunter’s Point and the Outer Mission District. It teaches connections between local watersheds, wetlands, the coast, and the ocean. It includes classroom lessons, field trips, hands-on restoration, travel to the coast for families, and after-school programs for students and their parents.
- **San Francisco Ocean Film Festival** to support the 2010 Festival (\$1,000). This festival featured documentaries and other independent films about the sea, discussions with filmmakers and ocean experts, an awards ceremony, and free programs for middle and high school youth.

### **ALAMEDA COUNTY:**

- **KIDS for the BAY** to support the Watershed Action Program in Oakland (\$26,000). For students in eight classes at underserved elementary schools to engage in hands-on activities in the classroom and outdoors, learning about their local watershed, creeks, and connections to the Pacific Ocean, and undertaking action projects to improve their local watershed.

- **University of California, Berkeley** to support field explorations in ocean science (\$26,605). For the MARE program at the Lawrence Hall of Science to lead 270 middle school students from Lionel Wilson College Preparatory Academy, a charter school in Oakland, on hands-on educational field trips to Elkhorn Slough, Rodeo Beach, Fitzgerald Marine Reserve, and other coastal locations. Also to offer their parents bilingual parenting workshops.

**CONTRA COSTA COUNTY:**

- **Golden Gate Audubon Society** to support the Eco-Richmond Environmental Education Program (\$7,500). For elementary students in four underserved classes in north Richmond to learn and explore alongside their parents as they study watersheds, habitats, marine ecology and conservation and take educational family field trips to coastal locations.
- **The Watershed Project** in Richmond for “Oysters on the Half Shell” (\$25,000). For students and the general public to help restore native oyster beds in San Francisco Bay and collect data to monitor the progress.
- **The Watershed Project** for bringing the Adopt-A-Beach program to Contra Costa County (\$20,000). To start a local Adopt-A-Beach program at shorelines and creeks in need of cleaning; to adopt a stretch of the Richmond shoreline, developing a “Friends” group and holding public cleanup and restoration workdays; and to lead an elementary educational program relating to marshes and pollution prevention.

**MARIN COUNTY:**

- **Point Reyes National Seashore Association** to support the Urban Youth Marine Science Education Program (\$16,000). For introducing urban and under-represented youth from the San Francisco Bay Area to Point Reyes through intensive research and conservation projects including studying native oysters and elephant seals and conducting wetland and coastal dune restoration.
- **Point Reyes National Seashore Association** to support the Seashore Explorers Program (\$40,000). For youth from underserved Bay Area schools to have the opportunity to attend a five-day summer session at Point Reyes Nature Science Camp. Other students came with their classes, and their teachers received training on leading 3-5 day intensive coastal and marine environmental education programs.
- **Richardson Bay Audubon Center & Sanctuary** to support the Kids’ Adopt-A-Beach Assembly Program and Beach Cleanup in the San Francisco Bay Area (\$8,500). For a program to educate students at underserved elementary schools in Marin and San Francisco about the harmful effects of ocean pollution, and culminating in a beach cleanup event for 500 students.
- **Romberg-Tiburon Center for Environmental Studies** to support the Sea Lion Bowl Diversity Initiative (\$25,000). For recruiting diverse Bay Area high school students to participate in a local chapter of the National Ocean Sciences Bowl, a quiz-style science competition. The program also incorporated extended-learning college classes in marine science, educational field trips, and ocean science research projects.

- **YMCA of Point Bonita** to support the “Kids-to-Coast Project” (\$9,900). For approximately 375 students in grades 2-6 from underserved Bay Area Schools to attend a residential outdoor education program at the Marin Headlands. Examples of activities include tide pooling, beach cleanups, animal tracking, plant identification, and learning about geology, oceanography, and local history.

**SACRAMENTO COUNTY:**

- **Robla Elementary School District** for Glenwood School’s marine ecology studies (\$9,363). For sixty sixth-grade students to study marine ecology and pollution prevention and attend a three-day field science education program at the Headlands Institute in Marin County.

**SONOMA COUNTY:**

- **Stewards of the Coast and Redwoods** to support the Sonoma Coast Tidepool Education Program (\$8,208). For strengthening the capacity of the volunteer tidepool docent program through recruiting new docents, training the docents, updating the docent manual, delivering classroom presentations before students visit tidepools, and providing more related educational content for teachers to share with their students.

**MENDOCINO AND HUMBOLDT COUNTIES:**

- **Arcata Community Recycling Center** to support a marine debris education program (\$9,799). For a marine debris education program (\$9,799). For students at Arcata Elementary School to learn about the impacts of marine debris and the concentration of plastics in the North Pacific Gyre. Students also created an art installation on the school field depicting plastics in the Gyre using plastic bottles strung together in a spiral pattern.
- **Friends of the Dunes** for “Reeling in Remote and Rural Schools” (\$30,000). In partnership with the Mattole Restoration Council, the Lost Coast Interpretive Association, and BLM, to develop and provide coastal education programs and field trips suited for 2,000 K-8 students in remote and rural schools in southern Humboldt County as well as the Leggett Valley Unified School District in northern Mendocino County.
- **Friends of the Dunes** for the Kids’ Adopt-A-Beach Assembly Program and Beach Cleanup in Humboldt County (\$15,000). For an assembly program to educate students at underserved and inland elementary schools about dune ecosystems and the harmful effects of ocean pollution, and culminating in a beach cleanup and invasive plant removal event for 1,000 students.
- **Jacoby Creek Land Trust** for a public workshop series on living upstream from Humboldt Bay (\$9,414), inviting landowners and other members of the public to workshops featuring education about good land management practices when living near waterways carrying migrating salmon.

- **Oak Manor Elementary School** in Ukiah for “Wondrous Whales” (\$4,630). For third grade students to complete a whale research project, learn from a guest lecturer at school, and take a field trip to look for migrating whales at the Point Cabrillo Light Station and conduct a beach cleanup at Navarro River Redwoods State Park.
- **Sequoia Park Zoo Foundation** for a new exhibit about urban impacts on salmon (\$17,958). A new exhibit at the Sequoia Park Zoo in Eureka featured models of different salmon species, an interactive station with a microscope to view species supporting the salmon food chain, and information about everyday ways people can help keep urban waterways healthy for the migrating fish.
- **Wiyot Tribe** for a marine education program (\$8,432). For young tribal members at the Table Bluff Reservation to engage in hands-on activities relating to a variety of marine science topics over two summers, in collaboration with faculty at Humboldt State University.

### **SISKIYOU COUNTY:**

- **Scott Valley Unified School District** to support the “Klamath Connection” (\$9,800). For Fort Jones Elementary and Quartz Valley Elementary to each establish a coastal and marine center at school featuring models, specimens, an aquarium, and hands-on lessons on a different topic each month. Also for sixth-graders to take restoration and study field trips following the Klamath River watershed down to the estuary and nearby coastline.

### **DEL NORTE COUNTY:**

- **Del Norte County Unified School District** to support the Redwood Coast Curriculum Project (\$9,998). For students in grades 4-6 to study different aspects of their local watersheds and the coastal redwoods, visit the beach, and attend Howland Hill or Wolf Creek outdoor schools.

### **STATEWIDE:**

- **Algalita Marine Research Foundation** of Long Beach for a new website mapping marine debris (\$8,350). Using GIS technology, AMRF shared with the public maps and research results from the so-called “Garbage Patch” of the ocean’s North Pacific Gyre.
- **California Community Forests Foundation** to support “The Conifer Connection” (\$9,950). For California State Parks to publish a new curriculum about coniferous forests and watersheds and their importance to streams and coastal environments, including how to reduce negative coastal impacts of actions upstream.
- **California Environmental Education Interagency Network** for the Environmentality Project (\$2,000). Funding helped support a statewide contest for fifth graders who initiate environmental programs in their communities.

- **Earth Alert, Inc.** for the “Heroes of the Coast” project (\$8,800). To finish compiling an oral history of Proposition 20 (the initiative that created the Coastal Act), distribute selected interviews to university library collections and public access television, and make them available for viewing on the Internet. The project consists of several dozen video interviews with key figures.
- **Keep California Beautiful** for beach litter reduction outreach (\$9,840). A humorous public service announcement was produced and widely distributed calling attention to the problem of beach litter.
- **National Fisheries Conservation Center** for the Kids’ Adopt-A-Beach Assembly Program and Beach Cleanup (\$10,500). This grant supported statewide coordination of an aerial art component at the Kids’ Adopt-A-Beach Cleanup events
- **National Marine Sanctuary Foundation** for the “Thank You Ocean” Campaign (\$15,000). This public campaign calling Californians to action to protect the coast and ocean through everyday activities has a website at [www.thankyouocean.org](http://www.thankyouocean.org). This website was translated into Spanish to reach a broader section of Californians.
- **Oikonos Ecosystem Knowledge** for the ACES-California program (\$25,030), offering two workshops and ongoing support for California teachers to cover required State Science Content Standards through teaching about the ocean. The program included students tracking and interpreting movements of marine animals using real-time satellite data, as well as interactive webcasts with professional scientists.
- **Stanford University** to support “Squids-4-Kids” (\$8,000). For Hopkins Marine Lab to ship frozen Humboldt squid (which can grow six feet long and weigh 100 pounds) to interested teachers throughout California for their classes to dissect. Also to provide lesson plans, dissection guidelines, and video documentaries, and for some sites to be visited by a marine scientist or graduate student to lead the discussions.
- **Tides Center** for school-based marine education activities (\$62,000). To develop and disseminate a variety of marine education resources, and to conduct regional teacher training workshops.
- **Tides Center** for the Community-Based Restoration and Education Program (\$48,800). To mobilize community volunteers to help restore wetland habitat at Upper Newport Bay. In addition, to offer workshops to groups at other California coastal wetlands to offer technical advice and instruction.