

CALIFORNIA COASTAL COMMISSION

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W5b

DATE: January 31, 2014

TO: Commissioners and Interested Parties

FROM: Charles Lester, Executive Director
Susan Hansch, Chief Deputy Director
Christiane Parry, Public Education Program Manager
Sylvie Lee, Grants Program Coordinator

SUBJECT: **Proposed Competitive Grants for Fiscal Year 2013/2014 Using Funds from Sales of the WHALE TAIL[®] Coastal Protection License Plate.** The Executive Director recommends that that the Commission **approve** the following proposed competitive grants for Fiscal Year 2013/2014.

SUMMARY OF STAFF RECOMMENDATIONS

Approve the following 21 competitive grants totaling \$364,126 and serving the following areas:

A) Youth programs—\$179,358

- (1) Cachuma Resource Conservation District—\$9,964 (Guadalupe, Santa Barbara County)
- (2) Camino Nuevo Charter Academy—\$6,000 (Los Angeles)
- (3) Edventure More—\$9,750 (Oakland, San Francisco Bay Area)
- (4) ExplorOcean—\$35,000 (Santa Ana, Orange County)
- (5) Gray Whale Foundation—\$20,000 (southern Orange County)
- (6) June Jordan School for Equity—\$9,200 (San Francisco)
- (7) Mattole Restoration Council—\$25,510 (southern Humboldt County)
- (8) Outdoor Outreach—\$5,500 (southern San Diego County)
- (9) Rural Human Services—\$9,997 (Del Norte County)
- (10) San Elijo Lagoon Conservancy—\$18,272 (northern San Diego County)
- (11) Squids4Kids/The Ocean Foundation—\$9,665 (statewide)
- (12) University Corporation at Monterey Bay—\$20,500 (Salinas, Monterey County)

- B) Programs for the general public—\$112,473
 - (13) California Exposition & State Fair—\$40,000 (Sacramento/statewide visitors)
 - (14) City of Fort Bragg/Noyo Center for Science & Education—\$35,000 (Mendocino County)
 - (15) Clean Water Fund—\$17,850 (statewide)
 - (16) National Marine Sanctuary Foundation—\$9,708 (statewide)
 - (17) Pepperdine University—\$9,915 (Los Angeles, Orange, and San Diego counties)
- C) Climate education programs —\$41,975
 - (18) City2 Sea—\$9,995 (Los Angeles)
 - (19) Ocean Discovery Institute—\$22,407 (San Diego)
 - (20) Sierra Streams Institute—\$9,573 (Nevada County)
- D) Adopt-A-Beach programs—\$30,320
 - (21) Northcoast Environmental Center—\$30,320 (Humboldt County)

I. MOTION AND RESOLUTION

Motion:

*I move that the Commission **approve** the funding allocations set forth in the staff recommendation.*

Staff recommends a **YES** vote on the foregoing motion. Passage of this motion will result in authorization of the Executive Director to enter into the appropriate agreements for disbursing the available funds. The motion passes only by affirmative vote of a majority of the Commissioners present.

Resolution:

The Commission hereby approves and authorizes the Executive Director to enter into the appropriate contracts for 21 projects.

II. INTRODUCTION

The California Coastal Commission's WHALE TAIL® License Plate was established as a mechanism through which the public can contribute funds to coastal and marine education programs in California. For each new plate that is sold, approximately \$13.97 is deposited in the California Beach and Coastal Enhancement Account (CBCEA). Annual renewal fees deposit approximately \$19.77 per plate into the account. Additional funds are deposited in the Environmental License Plate Fund (ELPF), which funds environmental programs in other state agencies. As of December 31, 2013, a total of 218,945 license plates have been sold. WHALE TAIL® License Plate sales and renewal fees (plus miscellaneous other small fees) have contributed \$21.8 million to the CBCEA, and \$53.7 million to the ELPF. (The additional fees that are charged for personalized plates go to the ELPF.)

California Vehicle Code Section 5067 dictates how the funds raised by sales of the WHALE TAIL® plate and deposited in the CBCEA account are to be used:

“Upon appropriation by the legislature, the money in the account (CBCEA) shall be allocated by the Controller as follows: (A) First to the California Coastal Commission for expenditure for the Adopt-A-Beach program, the Beach Cleanup Day program, coastal public education programs, and grants to local governments and nonprofit organizations for the costs of operating and maintaining public beaches related to these programs.” (B) Second, from funds remaining after the allocation required under subparagraph (A), to the State Coastal Conservancy for coastal natural resource restoration and enhancement projects and for other projects consistent with the provisions of Division 21 (commencing with Section 31000) of the Public Resources Code. (As amended in 2004 in Budget Trailer Bill SB 1107.)

Grantmaking Budget

The Governor's budget for FY2013/14 includes \$816,000 in funds from the CBCEA for local assistance grants. At its September 2013 meeting, the Commission voted to allocate the \$816,000 as follows: seven targeted grants totaling \$436,060, a temporary reserve of \$38,000 to be awarded later in the fiscal year, and the remaining \$341,940 for the competitive grantmaking program. For a listing of the seven targeted grants, and other recent grants that have been funded through sales of the WHALE TAIL® License Plate, see Attachment A. (For a complete listing of all WHALE TAIL® grants ever awarded, please visit the [online map](#) of WHALE TAIL® Grant Recipients Since 1998.)

Since September, there have been a few developments with the targeted grants and the temporary reserve:

- 1) First, the Staff has not yet seen a need to use the temporary reserve for any unforeseen project and would like to release \$10,000 to the competitive grants budget at this time, while keeping the remaining \$28,000 in reserve until later in the fiscal year.
- 2) Second, the staff would like to return the grant approved in the amount of \$48,150 for updating the Coastal Commission's *Waves, Wetlands, and Watersheds* curriculum to the temporary reserve. The staff has determined that it would be more appropriate to ask the Commission to approve it in the future, after the framework for California's Next Generation Science Standards is released, which will provide guidance on how to implement the new

standards in the classroom. The staff will be asking the Commissioners at a future meeting to approve using \$34,650 of those funds to create a new high school curriculum instead, which is ready to begin now and would focus on California’s coastal zone, coastal protection, and the story of how coastal access in California has been preserved. The difference in the cost of the two curricula—\$13,500—is now available in the unallocated reserve.

- 3) Third, at the September 2013 Commission meeting, in addition to approving seven targeted grants, the Commissioners also authorized the Executive Director to “reallocate any unneeded targeted grant funds currently being approved to the WHALE TAIL® competitive grants budget or to the temporary reserve; and increase targeted grant amounts if necessary using temporary reserve funds.” Since that time, the staff determined that the National Fisheries Conservation Center, one of the grantees for the Kids’ Adopt-A-Beach program, did not need \$686 of the total amount authorized. Subsequently, the staff asked the Executive Director to approve adding \$2,000 from the reserve to update the decade-old website for the Kids’ Adopt-A-Beach program to make it appropriate for 21st century communications.

In consideration of these recent developments, the competitive grantmaking budget is now as follows:

\$341,940	amount initially authorized
+\$ 10,000	amount from unallocated reserve
+\$ 13,500	amount left over from curriculum update
+\$ 686	amount not needed by National Fisheries Conservation Center
-\$ 2,000	amount added to update Kids’ Adopt-A-Beach website
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\$364,126	new balance available for competitive grants.

This report describes the staff’s recommendations for expenditure of the \$364,126.

The Competitive Grants Program for FY 2013/14

The Whale Tail® Competitive Grants Program offers the following four funding subcategories:

- A) coastal and marine outreach and education for youth;
- B) coastal and marine outreach and education, as well as beach and other coastal habitat improvement activities, for adults and the general public;
- C) strengthening and innovating year-round Adopt-A-Beach programs; and
- D) projects addressing climate change and/or ocean acidification. (This is the first year of a two-year pilot for this subcategory to help meet climate change education goals in the Commission’s strategic plan.)

The staff began publicizing the grant program in September. The deadline for submittal of grant applications was November 1, 2013. Applicants could request any amount up to \$50,000, and between 25 and 50 percent of the grant funds are to be allocated in small grants no greater than \$10,000.

Limited Amount of WHALE TAIL® License Plate Grant Funds

The staff received 91 grant applications requesting a combined total of \$2,241,515 which equals over six times the amount of funding available. Attachment B is a list of the applicants, project titles and amounts requested for this funding cycle.

Selection Criteria

The staff evaluated the applications using the following criteria, first approved by the Commission in 1998 and slightly modified with Commission approval in 2009 and 2013:

- 1. Educational Component (25 points):** Projects funded under this program should have a strong, high-quality educational component involving the marine or coastal environment. We encourage experiential, hands-on learning and incorporation of stewardship, where possible. The project's educational content and mode of delivery should be age-appropriate for the target audience. Projects aiming to improve the quality of beaches or other coastal habitats will be considered as well
- 2. Need:** Projects will be assessed on the degree to which they address an identified need (educational, ecological, social, etc.). Projects that reach audiences in underserved communities, including multicultural and inland areas, are especially encouraged.
- 3. Project Concept (30 points):** We seek thoughtfully developed ideas, technically sound concepts, and creative and innovative approaches that are potentially expandable or applicable in other geographic areas. The degree to which a project could potentially be expanded or continued after the grant ends, and/or build organizational or audience capacity, will be considered. The degree of impact relative to the cost will also be evaluated. Up to 5 points of extra credit will be awarded if the project seems likely to continue after the grant has ended will have a ripple effect beyond itself, by providing tools or knowledge to others in the field, advancing the field into new areas, or building collaborations with other entities.
- 4. Proposal Content:** The proposal should demonstrate that the concept has been fully thought out and developed into a concrete, feasible project with clearly stated goals, measurable objectives, project design, and method of implementation. A method sensible plan for evaluating the project's success should be included, as should detailed and accurate cost information. The likelihood of the project's successful completion will be considered, as well as the strength of the organization's track record and capabilities of project personnel.

Geographic Considerations

The staff attempts to select worthy projects from throughout California to recommend for funding. Because the grants support coastal and marine education, most projects take place in coastal areas. However, because it is important that all Californians learn about coastal and marine-related issues, some selected projects take place in inland areas so residents there can understand and further develop their relationship with the California coast as well.

III. Staff Recommendations for Competitive WHALE TAIL® Grant Awards FY 2013/14

The staff recommends that the Commission fund the 21 programs listed below (\$364,126 total).

(1) \$9,964 FOR CACHUMA RESOURCE CONSERVATION DISTRICT

Project Title: Environmental Education for All
Project Location: Guadalupe, Santa Barbara County
Project Timeline: March 2014 – August 2014
Total Project Budget: \$87,964

Estimated number of people served by the project: 150 students + community members

The Cachuma Resource Conservation District (RCD) serves Santa Barbara County and is working with Mary Buren Elementary, the only elementary school in Guadalupe, which is a very underserved small city with many families who work in farming. This program will be teaching the school’s fifth-graders about environmental stewardship and the local Santa Maria watershed. The RCD will make the lesson plans available so the teachers can implement watershed science education in their future classes, and so that teachers at other schools can adopt them too.

The RCD will be partnering with the local school district to deliver three week-long environmental education modules incorporated into their science curriculum. The fifth-grade students will have in-class activities about watersheds, estuaries, oceans, and human impacts. The students will also visit the Marine Science Institute at UC Santa Barbara to explore tidepools and see over 100 marine plant and animal species. They will help restore native plants at the Rancho Guadalupe Dunes Reserve, and they will take a boat tour of the Channel Islands National Marine Sanctuary. They will also reach the wider community through making presentations to their parents about preventing poor water quality, creating a public exhibit at the Dunes Center, and designing an informational piece to be distributed with the local Public Works Department’s water bills.

(2) \$6,000 FOR CAMINO NUEVO CHARTER ACADEMY

Project Title: “Catalina, Here We Come!”
Project Location: Los Angeles
Project Timeline: May 2014 to June 2014
Total Project Budget: \$7,830

Estimated number of people served by the project: 30 seventh graders + 250 others

Camino Nuevo Charter Academy is located in the Westlake neighborhood of Los Angeles, an area with a high population density, a high percentage of immigrants, and a high poverty rate. Most of the students have never ventured outside of Los Angeles. A seventh grade teacher at the school is proposing to bring 30 life science students to Santa Catalina Island for a three-day, two-night program at USC’s Wrigley Marine Institute. Activities at the Institute would include a plankton laboratory, fish dissection, touch tank activity, survey of the intertidal zone, day hike, night hike, conservation awareness project, and snorkeling excursion. Through meeting research scientists and graduate students, they would also have the opportunity to see examples of people who became successful through higher education.

The youth would continue their studies after returning to school, when they would choose one topic they were exposed to on Catalina Island and research it further. They would write a paper and make a presentation at an event for families at the end of the school year. They would also participate in the school’s “Science Ambassadors” program, in which the students who went to Catalina Island would teach elementary students science lessons based on what they learned on their trip. Approximately 250 additional younger children would be reached through the Science Ambassadors program.

(3) \$9,750 FOR EDVENTURE MORE

Project Title: Watershed Edventures
Project Location: Oakland
Project Timeline: March 2014 – July 2015
Total Project Budget: \$28,610
Estimated number of people served by the project: 160

Edventure More provides school-year and summer enrichment programs in the San Francisco Bay Area, and Watershed Edventures would be a pilot program operating at 4-6 underserved elementary schools in the Oakland Unified School District. With a curriculum designed in partnership with the California Academy of Sciences and using resources from the Coastal Commission's Public Education Program, Watershed Edventures would help participants make a connection between their local environment and the ocean; promote marine stewardship; and teach California science standards at the same time.

Operating as an after-school program once a week for four weeks, Watershed Edventures would provide lessons and hands-on activities to students in grades 3-5 about the water cycle; how water moves through watersheds; how runoff enters the ocean and affects marine life; salmon; food webs; water quality testing; and introductory information about ocean acidification. The participants would be sent home with informational sheets to share with their families, and would also be invited to join two beach cleanup days combined with water quality testing and guided tours of the Berkeley or Alameda shorelines. Additionally, some of the students would be eligible to attend Edventure More's summer camp to continue their enrichment experiences.

(4) \$35,000 FOR EXPLOROCEAN

Project Title: Ocean Literacy for All
Project Location: Newport Beach
Project Timeline: March 2014 to October 2014
Total Project Budget: \$79,984
Estimated number of people served: 400

Formerly the Newport Harbor Nautical Museum, ExplorOcean is now an organization operating an Ocean Literacy Center and providing ocean literacy programming. Ocean Literacy for All teaches the seven principles of ocean literacy to students in the afterschool KidWorks program in Santa Ana who are 98% Latino, 2% Cambodian, come from very low-income families, and have very limited personal experiences with the ocean.

In the first stage of the Ocean Literacy for All program, KidWorks students from all K-12 grade levels would participate in hands-on ocean education activities in Santa Ana after school, at least once per month. The education would include ocean health and human impacts, and the students would take part in local "off the beach" cleanup days to reinforce the fact that the ocean starts at their front door. Students in grades 4-5 would participate in additional "Dive into Science" sessions incorporating State-tested science standards into the ocean curriculum, and high school students would do an underwater robotics program. The program's second stage would happen during the summer with educational camp programs for different age levels at the Ocean Literacy Center. There would also be a harbor cruise, tidepool visits, whale watching, an overnight at Newport Dunes, a trip to the Wrigley Institute on Catalina, and other excursions. ExplorOcean also hosts an online classroom for the students (and teachers throughout Orange County) to access on an ongoing basis.

(5) \$20,000 FOR GULF OF CATALINA GREY WHALE PRESERVATION & EDUCATION FOUNDATION

Project Title: Gray Whale Foundation Research Trip
Project Location: Southern Orange County
Project Timeline: March 2014 – June 2014
Total Project Budget: \$80,908
Estimated number of people served by the project: 640

The Gray Whale Foundation has been working with the Capistrano Unified School District to educate fourth and fifth-grade students about gray whales and their ecosystem and inspire them to want to protect the marine environment. The Foundation has developed a curriculum that teaches science, technology, engineering, and math (STEM) subjects and deals with environmental and sustainability issues through the study of gray whales.

A WHALE TAIL® grant would support taking students on two-hour research trips aboard a boat off Dana Point to collect scientific data on whales observed. They would use line-transect surveys to estimate the occurrence and migration patterns of the gray whales, their respiration rates, and their behavior in different conditions (such as boat traffic), and they would photograph them for identification. The Foundation will produce a count of how many whales are migrating through the Gulf of Catalina and the data will be shared with the scientific community and policy makers. Title I schools in the District would be eligible to participate in the boat trips. All participating teachers would need to commit to using the curriculum in their classroom (which includes using the data collected) and attend an on-the-water training beforehand, and all participating classes would receive a pre-trip assembly about gray whale biology and their role in the marine ecosystem.

(6) \$9,200 FOR JUNE JORDAN SCHOOL FOR EQUITY

Project Title: Field Biology & Marine Biology Field Trips & Shore Cleanup
Project Location: San Francisco
Project Timeline: April 2014 – December 2014
Total Project Budget: \$9,200
Estimated number of people served by the project: 160

June Jordan School for Equity is a small public high school whose students are 96% non-Caucasian and primarily from the underserved southeast neighborhoods of San Francisco. This grant would support educational field trips so students can develop an environmental consciousness from experiences in nature (which are rare for them), become aware of the ecology of their local area, and appreciate the connection between land and water ecosystems. The grant would also support supplies such as dissection kits, binoculars, and bird guide books.

The first set of three all-day field trips in the spring would take Field Biology students to bayshore parks and wetlands such as Candlestick Point or Coyote Point. They would collect and examine plankton, identify and count birds, identify flora and fauna, learn about the importance of wetlands, analyze human impact on the site, and conduct a litter cleanup and analyze what they find. The second set of field trips in the fall would take Marine Biology students on two all-day boat trips, one being an expedition on the bay with the Marine Science Institute, and the other being a kayak expedition at Elkhorn Slough. They would interview marine biologists and learn about ocean geology, marine invertebrates and vertebrates, water quality testing, and human impacts on the marine environment.

(7) \$25,510 FOR MATTOLE RESTORATION COUNCIL

Project Title: Mattole Youth Environmental Stewards
Project Location: Southern Humboldt County
Project Timeline: April 2014 – August 2015
Total Project Budget: \$65,754
Estimated number of people served by the project: 260

The Mattole Restoration Council (MRC) is an organization working in California's rural "Lost Coast." Most of the Mattole watershed is on private land, so it is critical that the children there are educated as to how to become informed and active land stewards in the future. In the past, MRC has provided environmental education to all the schoolchildren of the Mattole Valley, but last school year did not have the funding to do so. MRC is now collaborating with other environmental organizations in the area to work in partnership rather than compete for limited dollars, so MRC is requesting a WHALE TAIL® grant on behalf of this partnership of eight groups to deliver environmental education and promote stewardship in this underserved area.

The Mattole Youth Environmental Stewards (MYES) program would deliver 13 two-hour presentations at each of the three schools in the area and lead 13 monthly field trips for all the students. The education and corresponding hands-on activities would cover a variety of coastal and watershed topics including: the habitat and functions of the Mattole Estuary, plus wetland restoration; genetics of the Mattole Salmon, paired with conducting a fish survey; marine debris and a beach cleanup; coastal prairie, plus removing invasive species; nonpoint source pollution and sedimentation, paired with measuring turbidity; and many others. In another component, MYES staff would train all counselors at Lost Coast Camp on coastal and watershed ecology and help lead 12 restoration and stewardship activities during the summer camp sessions. And in a third component, the project partners would mentor and provide internship opportunities for local teens focusing on hands-on restoration work experience.

(8) \$5,500 FOR OUTDOOR OUTREACH

Project Title: Youth Outdoors!
Project Location: Imperial Beach
Project Timeline: June 2014 – November 2014
Total Project Budget: \$6,823
Estimated number of people served by the project: 30 youth + 300 community volunteers

Outdoor Outreach provides recreational opportunities for youth from San Diego County and combines them with environmental education and stewardship activities to inspire them to connect to their coastal environment. This grant would support three all-day outings for 30 underserved South San Diego County youth to the Tijuana Estuary, where they would engage in stewardship activities for a morning such as native plantings and litter cleanups. Then they would spend the afternoons mountain biking, surfing, or viewing wildlife while being taught about watersheds, salt marshes, the estuary, and marine ecosystems with help from a Tijuana River National Estuarine Research Reserve educator.

Additionally, the youth would help recruit 300 community volunteers to join them at a culminating stewardship event at the end of the 2014 Tijuana River Action Month. They would clean up litter that flows in the river from Tijuana, under the border fence, and into the salt marsh, and would eventually end up in the ocean. They would also publicly share video and social media messages about protecting Tijuana Estuary's coastal ecosystem.

(9) \$9,997 FOR RURAL HUMAN SERVICES

Project Title: Raising Salmon & Steelhead Trout in the Classroom
Project Location: Del Norte County
Project Timeline: March 2014 – June 2015
Total Project Budget: \$16,478
Estimated number of people served by the project: 400

Rural Human Services is a nonprofit organization in Crescent City with a Natural Resource Program that has been operating the “Raising Salmon and Steelhead Trout in the Classroom” program throughout Del Norte County for many years. With authorization from the California Department of Fish and Wildlife, this program brings the eggs of Chinook salmon or steelhead trout to 16-20 classrooms at a minimum of 8 schools for students in pre-school through 12th grade to observe and hatch. The eggs are incubated in aquariums in the classrooms which mimic ideal natural stream conditions, and after they hatch, the students bring the fry back to their natal stream (Rowdy Creek, which feeds into the undammed Smith River) and release them.

Throughout this experience, the students would be learning about a variety of related topics including salmonid lifecycles, the habitat conditions critical to survival, wetlands, and the importance of environmental stewardship so their fry have a good chance to live successfully in their watershed. Rural Human Services staff (along with Department of Fish and Wildlife staff) trains new teachers on raising the fish, offers ongoing support to teachers during the hatching process, and provides one-hour presentations to all participating students about anadromous fisheries and watershed conservation.

(10) \$18,272 FOR SAN ELIJO LAGOON CONSERVANCY

Project Title: “Our Living Watershed”
Project Location: Escondido and Encinitas, San Diego County
Project Timeline: April 2014 – June 2015
Total Project Budget: \$67,770
Estimated number of people served by the project: 1,550

“Our Living Watershed” is a program that takes place cumulatively over three consecutive school years for elementary students in grades 3-5 in three underserved Title I schools in Escondido. The curriculum for the project covers wetlands and adaptations in third grade, then food chains in fourth grade, and finally water resources in fifth grade. Classroom instruction is provided by teachers who receive a guide on each of these subjects, including classroom activities for before and after a field trip. The field trips bring these students to San Elijo Lagoon for a docent-guided exploration of the topics they have been studying and a first-hand experience of the downstream end of their local watershed. The great majority of the participants are Latino students learning English. Escondido Creek drains into San Elijo Lagoon after passing through Escondido 20 miles away.

The program was funded by a Whale Tail grant from 2011-2013 and now reaches 1,300 students and has become the highest-profile education program the Conservancy offers. The Conservancy is requesting funding to continue this successful program while expanding it to include one year of activities for students in first and second grade at two schools in Vista, who would focus on observation skills, lagoons, and the fiddler crab. The program would also add family watershed education events at the end of each school year, incorporating lessons learned.

(11) \$9,665 FOR SQUIDS4KIDS/THE OCEAN FOUNDATION

Project Title: Squids4Kids
Project Location: Statewide
Project Timeline: June 2014 – May 2015
Total Project Budget: \$9,665

Estimated number of people served by the project: 40 classes + thousands at public events

Squids4Kids is an outreach program aimed at building scientific awareness and excitement for marine biology in classrooms at all grade levels. The program is a collaboration between NOAA National Marine Fisheries Service and Stanford University’s Hopkins Marine Station and is fiscally sponsored by The Ocean Foundation. It entails shipping whole, fresh-frozen Humboldt squid to interested teachers for their classes to dissect. These squid can grow up to six feet long and weigh 100 pounds. In addition, the program provides related educational materials including lesson plans, dissection guidelines, video documentaries about the squid, and additional readings on topics such as Humboldt squid neuroscience and ecology. Alternatively, some sites in the San Francisco and Monterey areas (including science festivals and classrooms) are visited by a marine scientist or graduate student who leads the anatomy discussion and dissection and conducts a presentation. The presentations can cover various topics relating to ecosystem impacts of the Humboldt squid, effects of ocean climate change, or the squid and commercial fisheries.

All squid are either donated by sport fishermen or collected in conjunction with ongoing research. They are stored frozen at NOAA’s Southwest Fisheries Science Center in Santa Cruz. A WHALE TAIL® grant would support activities solely in California, including helping to defray expenses for schools that cannot afford to pay for the overnight shipping costs.

(12) \$20,500 FOR UNIVERSITY CORPORATION AT MONTEREY BAY

Project Title: Flows to the Ocean
Project Location: Salinas
Project Timeline: June 2014 – May 2015
Total Project Budget: \$28,249

Estimated number of people served by the project: 380

The University Corporation at Monterey Bay is seeking funds for Return of the Natives (RON), the education and outreach program of the Watershed Institute at CSU Monterey Bay. RON is proposing to work with children in grades 3-6, as well as many parents, in Salinas, a primarily Latino, underserved community and source of the most polluted water flowing to Monterey Bay.

Return of the Natives would provide three types of “Flows to the Ocean” experiences for the students. The first would be schoolyard activities including a litter survey and using a watershed model to illustrate their connection to the ocean. The second activity would be a creek cleanup in Salinas, and the third would be a trip to the coast to survey litter, conduct a beach cleanup, and plant native dune plants at either Fort Ord Dunes or Salinas River State Beach. The approximately 50 parents chaperoning the students would be pulled aside for a 30-60 minute ocean stewardship lesson in Spanish and English. Also, six CSU Monterey Bay students would help lead activities and gain ocean education leadership experience in the process. All participating teachers would be required to teach at least two lessons from RON’s “Flows to the Bay” curriculum, develop an ocean stewardship calendar for their school, have their students give short presentations to other classrooms, and ensure that their students take turns picking up schoolyard litter and tallying the data, with the goal of reducing the amount of litter during the year.

(13) \$40,000 FOR CALIFORNIA EXPOSITION & STATE FAIR

Project Title: Beach Buddy Adventure
Project Location: Sacramento
Project Timeline: March 2014 – October 2014
Total Project Budget: \$104,100
Estimated number of people served by the project: 10,000 – 16,000

The annual California State Fair features a floriculture exhibit showcasing plants and animals which changes its theme each year. For the 2014 State Fair, the theme will be the coast and ocean. Visitors will be able to enjoy such features as a whale’s mouth for the entrance, aquariums, sand, aquatic plants, and oversized sea shell and jellyfish artwork.

This project would be an opportunity for the Coastal Commission to partner with this exhibit to support additional aquariums as well as elements increasing public awareness about coastal issues and coastal conservation. Bilingual signs would provide information about marine debris, oil spills, and invasive species. QR codes would link visitors’ smart phones with coastal webcams and information about Coastal Commission programs such as Coastal Cleanup Day. There would even be samples of Commission merchandise that is for sale online and a photo opportunity with a giant WHALE TAIL® license plate. Visitors would stop at different stations and get a map stamped at each one. The last station would offer the opportunity to take the CCC’s Coastal Stewardship Pledge and receive a “Beach Buddy Badge,” as well as information about ocean-related organizations and Coastal Commission programs for further involvement.

(14) \$35,000 FOR CITY OF FORT BRAGG/NOYO CENTER FOR SCIENCE & EDUCATION

Project Title: Blue Whale Education Program
Project Location: Fort Bragg, Mendocino County
Project Timeline: March 2014 – September 2015
Total Project Budget: \$127,872
Estimated number of people served: 3,000

The City of Fort Bragg is fundraising to build the Noyo Center for Science and Education at the site of the former Georgia Pacific lumber mill on the city’s waterfront. Its mission will be to promote understanding of marine and terrestrial environments along the Mendocino coast through research, education, and stewardship. An exhibit highlight will be a reconstructed 73-foot skeleton of a blue whale that was killed locally by a ship strike. The whale was buried while it decomposed, and its skeleton is now being restored with public participation. The Noyo Center is requesting support of educational programming focused on marine mammals and incorporating this blue whale skeleton.

A WHALE TAIL® grant would support a number of educational components, including equipping a field station and classroom at the site of the Center (which will offer the first easily-accessible public destination on the Fort Bragg waterfront since the mill closed it off over a century ago); in-school presentations and field classes about marine mammal biology for Fort Bragg and Mendocino students; a science and art fair for students to present science projects and act as docents with the whale bones; bone casts of a flipper of the whale to bring to classrooms; hosting “Discovery Days” for the public to help clean, repair, or reassemble parts of the skeleton; and college and high school internships for more in-depth involvement in the skeleton restoration. The new curriculum using the whale as a launching point to explain many aspects of marine mammals would be brought to more schools in Lake and Mendocino counties in the future.

(15) \$17,850 FOR CLEAN WATER FUND

Project Title: ReThink Disposable Marine Debris Prevention Project
Project Location: Statewide
Project Timeline: March 2014 – March 2015
Total Project Budget: \$36,000
Estimated number of people served by the project: thousands

The Clean Water Fund is working on a “ReThink Disposable” campaign for the take-out food and beverage industry to reduce the amount of single-use disposable products vendors use. To address the public engagement angle of the campaign, Clean Water Fund would develop materials to educate the public about the extent to which marine debris consists of disposable products and the harm marine debris causes. Typically, seven of the top ten items found on Coastal Cleanup Day are food and beverage packaging.

This public education component would consist of: a short video concisely explaining the connection between food and beverage packaging and marine debris; printed materials including “ten ways to unpackage your life” and a fact sheet about reusables versus disposables; electronic versions of the above handouts to be made available on the Internet and social media; and an outreach table to staff at public events. The table would feature a display board about “the other leftovers,” i.e. all the packaging left once take-out food is consumed; a visual representation of the impact of 365 disposable drink containers versus using a reusable cup; and a California map showing where plastic bag and Styrofoam bans have been implemented. The printed and electronic public outreach materials would be made available for Adopt-A-Beach and Coastal Cleanup Day coordinators to distribute at their events statewide, and they would receive a webinar training covering the printed materials, speaking points, and background information.

(16) \$9,708 FOR NATIONAL MARINE SANCTUARY FOUNDATION

Project Title: Marine Protected Area Docent Training Handbooks
Project Location: Statewide
Project Timeline: March 2014 – March 2015
Total Project Budget: \$9,708
Estimated number of people served by the project: 4,000

The California Ocean Communicators Alliance (OCA) includes over 300 people who reach the public with ocean-related messages through their work. The OCA (through its fiscal sponsor, the National Marine Sanctuary Foundation) is seeking funding to develop handbooks for docents and naturalists who conduct public education at Marine Protected Areas (MPAs) statewide. The OCA has held several workshops regarding communicating about MPAs and participants requested such handbooks.

The handbooks would serve as a “one-stop shop” for MPA-related training and educational resources. The OCA would identify existing MPA resources and select and concisely summarize the most appropriate and useful materials to help docents and naturalists effectively teach the public about Marine Protected Areas and stewardship for them. Four electronic handbooks would be created, geographically tailored for the south, central, north, and north central coasts. They would include such information as background on MPAs, how people can be good stewards, habitats and species facts, key messages for the public, how to communicate with different types of audiences, tidepool etiquette, and additional resources. They would be shared

with 80 different entities, and a webinar or in-person training about them would be conducted in each region.

(17) \$9,915 FOR PEPPERDINE UNIVERSITY

Project Title: Outreach for Urban Beach Ecosystems in California
Project Location: Los Angeles, Orange, and San Diego counties
Project Timeline: March 2014 – February 2015
Total Project Budget: \$96,460
Estimated number of people served by the project: 100 participants

While urban sandy beaches are often managed for the benefit of the people who visit them, their role in the overall coastal ecosystem is not well understood and therefore not often considered when public agencies make land use planning decisions. To address this knowledge gap and promote appreciation for the ecological health of beaches, a professor at Pepperdine University is starting a citizen science monitoring program. Seventy-five volunteers will join 25 scientists, educators, and students to make consistent, long-term measurements on urban sandy beaches. This program is collaborating with the Birch Aquarium, the Ocean Institute, the Cabrillo Aquarium, and Surfrider Foundation. Volunteers will record many indicators using an assessment protocol, such as the physical characteristics of the beach; the presence of sand dunes; invertebrates found in the shoreline wrack; marine mammals, birds, fish, crustaceans, and other organisms present; and amount of coastal vegetation.

A WHALE TAIL® grant would support educational program elements not yet funded, namely a workbook and kit of supplies for each participant; an interactive website and field guide book to identify the different beach components; and information for the general public available online such as photos, short videos, and brief descriptions of living and non-living beach features.

(18) \$9,995 FOR CITY2 SEA

Project Title: Ocean Acidification Expedition
Project Location: Greater Los Angeles Area
Project Timeline: April 2014 – March 2015
Total Project Budget: \$61,700
Estimated number of people served by the project: 800

City2 Sea was originally founded as Kids & Fishing, offering recreational adventures for students on a boat, and has since developed into an organization offering scientific expeditions aligned to science standards in biology, ecology, and chemistry. The proposed two-part program would involve four high schools in Los Angeles County with very underserved student populations, primarily from the Latino community. The first part of the program would entail a lesson in the classroom about carbon footprints, ocean acidification, and its effects on coral, humans, and other marine organisms. The lesson would include information about carbonic acid, an experiment involving materials such as acid and pH strips, and ideas about reducing the students' own carbon footprints.

In the second part of the program, the high school students would go out on City2 Sea's boat, collect water samples using ROVs, and perform water quality tests. A WHALE TAIL® grant would support 20 trips serving 800 students and furnish the onboard laboratory with program supplies and equipment such as microscopes, monitors, and Internet connectivity for research.

(19) \$22,407 FOR OCEAN DISCOVERY INSTITUTE**Project Title: Ocean Science Explorers****Project Location: San Diego****Project Timeline: June 2014 – June 2015****Total Project Budget: \$23,500****Estimated number of people served by the project: 800 students + 25 teachers**

Ocean Discovery Institute (formerly Aquatic Adventures) is an award-winning science education organization that focuses on partnering with schools in City Heights, a densely-populated, low-income, diverse community in San Diego. This grant would support the sixth-grade unit of Ocean Science Explorers, which uses the ocean environment as an avenue to teach science, technology, engineering, and math (STEM) topics.

The sixth-grade unit focuses on earth science, climate, and natural resources. The students would learn about carbon dioxide emissions, climate change, renewable resources, and ocean acidification. They would study microfossils, ice cores, climate trends, and solar paneled motors. They would visit the “Boundless Energy” exhibit at the Birch Aquarium and learn about their carbon footprint. Afterward, they would use watt meters to measure their energy usage at home and consider methods to reduce it. Ocean Discovery Institute requires teachers of participating students to receive professional development and conduct additional classroom education, and with this unit, they would participate in a two-hour training workshop, receive related books and materials, and get lesson plans and activities to implement with their classes.

(20) \$9,573 FOR SIERRA STREAMS INSTITUTE**Project Title: Climate Change Exchange****Project Location: Nevada County****Project Timeline: June 2014 – May 2015****Total Project Budget: \$18,273****Estimated number of people served by the project: 60**

The Sierra Streams Institute is a watershed science organization that has formed a partnership with the teachers at Yuba River Charter School. The Institute is requesting funding for a year-long environmental science program for students in grades 7 and 8 at this rural charter school.

This program would use Central Valley Chinook salmon as a means to learning about connections between mountain and coastal habitats and the effects of climate change on those habitats. The students would take part in ten classes and conduct outdoor field studies. They would measure the health of nearby Deer Creek, which salmon depend on. They would observe the seasonal timing of plants and enter their data in the National Phenology Database, used for monitoring climate change. They would learn about the history of gold mining and how it impacted the Pacific Ocean. They would visit UC Berkeley’s Central Sierra Snow Lab to learn how climate change is affecting the snowpack. They would raft on the Yuba River during salmon spawning season, and they would visit the Sacramento Delta, where they would discuss upstream activities affecting life downstream, visible effects of climate change, and how seasonal cues impact migrating salmon and other wildlife. Finally, they would create outreach materials about climate change and the environment to distribute at a local Earth Day celebration.

(21) \$30,320 FOR NORTHCOAST ENVIRONMENTAL CENTER

Project Title: Clean Beaches, Healthy Communities
Project Location: Humboldt County
Project Timeline: April 2014 – May 2015
Total Project Budget: \$53,270
Estimated number of people served by the project: 150,000

The Northcoast Environmental Center (NEC) is requesting support for a number of different projects to educate youth and the general public about coastal issues in Humboldt County. For youth, NEC staff would target underserved school districts and outlying communities (including tribal communities) and would develop an outreach program for multiple grade levels focusing on marine pollution and how to address the problem. The organization would also offer internships for Environmental Interpretation students at Humboldt State to help teach the youth. For the general public, NEC would develop a watershed diorama depicting not only the impacts of pollution on the local watershed, but also best management practices that reduce the pollution. NEC would also lead a beach cleanup to gather debris and collaborate with a local arts organization to create a sculpture for public display, including interpretive signage about marine debris and ways to prevent it. In a sea level rise awareness component, NEC would work with the City of Arcata to post public signs illustrating projected sea levels in 2050 and 2100, along with information on how to minimize our carbon footprints.

NEC is the county's Adopt-A-Beach and Coastal Cleanup Day coordinator, and throughout this project the staff would encourage youth and others to participate in these two programs. NEC would also develop educational materials aimed at increasing volunteer cleanups in Humboldt County and would deliver presentations and workshops as part of the Adopt-A-Beach program.

Attachment A: Recent Grants Awarded From Sales of the WHALE TAIL® License Plate

Fiscal Year	Targeted Grants	Competitive Grants
2011/2012 \$541,000 Total Funds avail. for targeted grants: \$365,000 Funds avail. for competitive grants: \$176,000 Requests received: 145 totaling \$2,596,396	Foundation of California State University Monterey Bay for Camp SEA Lab \$40,000 Adopt-A-Beach School Assembly Program and Kids' Cleanup Program \$86,900 Heal the Bay Adopt-A-Beach Program \$30,000 I Love A Clean San Diego Adopt-A- Beach Program \$25,600 Tides Center for School-Based Marine Education Program \$82,000 Tides Center for Community-Based Wetland Restoration and Education \$80,500 Rural California Broadcasting Corporation for the "Stories of the Coast" podcast series \$10,000	Millennial Tech Middle School in San Diego for a series of marine science lessons, labs, research projects, guest lectures, and field trips \$10,615 The Ocean Foundation for the "Ocean Connectors" program in San Diego focusing on migratory ocean species \$8,500 Crystal Cove Alliance for "Science and Nature at the Park," a variety of public education programs at Crystal Cove State Park \$9,500 Los Angeles Conservation Corps for hosting inner-city students and training teachers to implement the SEA Lab "Key to the Sea" program \$9,855 Boys and Girls Club of Greater Oxnard & Port Hueneme for the 2011-2012 MERITO Academy featuring hands-on bilingual ocean education \$32,000 Sandrini Elementary School in Bakersfield for sixth-graders to attend a five-day environmental education camp in Montaña de Oro State Park \$8,230 MEarth for underserved Monterey County students to participate in the Plastic Pollution Education Initiative at the Hilton Bialek Habitat in Carmel \$20,535 Youth Community Service for at-risk teens from East Palo Alto and east Menlo Park to engage in stewardship program called "From the Creek to the Sea" \$9,500 Aquarium of the Bay in San Francisco for the "Discover the Bay" program aboard a hybrid ferry \$9,995 Farallones Marine Sanctuary Association for teacher workshops and evaluation of the LiMPETS program for Bay Area middle and high school students \$9,995 Tuolumne River Trust for Stanislaus County students and San Francisco students to learn together about the Tuolumne River, its salmon, and its watershed \$5,000 Stewards of the Coast and Redwoods for docent-led public education programs at State Parks on the Sonoma coast \$9,500 Smith River Alliance for helping the North Coast Interagency Visitor Center to be built at the Crescent City Harbor \$10,000 5 Gyres Institute for the "Last Straw West Coast Solutions Tour" comprised of many educational activities relating to plastic pollution in marine ecosystems \$32,000

Fiscal Year	Targeted Grants	Competitive Grants
<p>2012/2013 \$798,000 Total</p> <p>Funds avail. for targeted grants: \$369,540</p> <p>Funds avail. for competitive grants: \$428,460</p> <p>Requests received: 128 totaling \$2,591,762</p>	<p>Foundation of California State University Monterey Bay for Camp SEA Lab \$30,000</p> <p>Adopt-A-Beach School Assembly Program and Kids' Cleanup Program \$95,600</p> <p>Heal the Bay Adopt-A-Beach Program \$30,000</p> <p>I Love A Clean San Diego Adopt-A-Beach Program \$27,000</p> <p>Tides Center for School-Based Marine Education Program \$88,000</p> <p>Tides Center for Community-Based Wetland Restoration and Education \$80,000</p> <p>Beach Wheelchair Purchases \$18,940</p>	<p>Audubon California for students in San Diego and Los Angeles to learn about shorebirds and design signs on the beach warning not to disturb nesting sites \$33,310</p> <p>Berkshire Elementary School for sixth-graders in Bakersfield to attend Camp KEEP, a four-day outdoor science school in San Luis Obispo County \$8,800</p> <p>Fresno Chaffee Zoo for a cohort of teens to interact with zoo visitors and promote marine conservation \$6,400</p> <p>Friends of the Dunes to provide coastal education activities in Manila, Humboldt County for Montessori students, who will then help educate the public \$14,162</p> <p>Mayfair Middle School to add hands-on labs and other educational activities to a marine science elective in Lakewood, Los Angeles County \$5,230</p> <p>Monterey Bay Aquarium for the Splash Zone/Head Start Discovery program for underserved pre-schoolers in Santa Cruz and Monterey counties \$10,000</p> <p>Mountains Recreation and Conservation Authority for developing an oceans unit for the Junior Rangers Program for urban youth from the Los Angeles area \$9,993</p> <p>Ohlone Elementary School in Watsonville for a new wetlands unit for third-grade classes \$7,585</p> <p>Point Reyes National Seashore Association for seashore science field education programs for underserved Bay Area youth \$30,000</p> <p>San Diego Junior Lifeguard Foundation for a summer program teaching ocean science to youth ages 10-14 \$22,500</p> <p>Smith River Alliance for the Tolowa Dunes Stewards program to restore dune habitat in Del Norte Co. and teach Native American and other youth participants \$29,756</p> <p>YMCA Point Bonita for "My Home, My Community, My World," a science education program for underserved schools in Marin City \$9,900</p> <p>California Native Plant Society for the "California Coastal Rare Plant Treasure Hunt" in the southern half of the state \$25,000</p> <p>Concerned Resource and Environmental Workers ("the CREW") to employ young adults to restore habitat along the lower Ventura River \$9,800</p>

<p>2012/2013 (continued)</p>		<p>Reef Check Foundation to train volunteer divers to collect data on underwater species off the California coast, especially in Marine Protected Areas \$25,000</p> <p>SPAWN, a project of Turtle Island Restoration Network to develop a Coast & Ocean module for the California Naturalist Program \$9,880</p> <p>Seymour Marine Discovery Center in Santa Cruz to increase its capacity to serve Spanish-speaking audiences \$9,370</p> <p>Southwest Wetlands Interpretive Association for formalizing the training for its long-term volunteer docents at the Tijuana Estuary \$25,000</p> <p>UC Santa Cruz Arboretum for engaging community members in restoring habitat for the threatened red-legged frog \$10,500</p> <p>University of Redlands for developing a mobile app and website for people to record where they spot marine mammals while learning more about them \$33,272</p> <p>Coastwalk California for expanding the Adopt-A-Beach program in Sonoma County and adding educational components \$9,779</p> <p>Save Our Shores for launching the Beachkeepers program in Santa Cruz County and installing trash bag holders so beach visitors can clean up on their own \$25,610</p> <p>The Watershed Project in Richmond for strengthening the Contra Costa County Adopt-A-Beach program and incorporating on-the-water kayak cleanups \$17,313</p> <p>Navarro-by-the-Sea Center for Riparian & Estuarine Research for installing interpretive panels at the Navarro River mouth in Mendocino County \$40,300</p>
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Fiscal Year	Targeted Grants	Competitive Grants
<p>2013/2014 \$816,000 Total</p> <p>Funds avail. for targeted grants: \$436,060</p> <p>Funds avail. for competitive grants: \$341,940</p> <p>Funds avail. in a temporary reserve: \$38,000</p> <p>Requests received: 105 totaling \$2,681,779</p>	<p>Foundation of California State University Monterey Bay for Camp SEA Lab \$15,000</p> <p>Adopt-A-Beach School Assembly Program and Kids' Cleanup Program \$99,000</p> <p>Heal the Bay Adopt-A-Beach Program \$30,000</p> <p>I Love A Clean San Diego Adopt-A-Beach Program \$29,550</p> <p>Tides Center for School-Based Marine Education Program \$99,000</p> <p>Tides Center for Community-Based Wetland Restoration and Education \$106,000</p> <p>Earth Alert for the "Heroes of the Coast" project \$9,360</p> <p>Update to the "Waves, Wetlands, and Watersheds" science activity guide \$48,150</p>	<p><i>To be approved at the February 2014 Coastal Commission meeting.</i></p>

Attachment B: Competitive WHALE TAIL[®] Grant Proposals 2013/2014

<u>Organization Name</u>	<u>Project Title</u>	<u>City</u>	<u>Requested Amount</u>
5 Gyres Institute	Ambassador Program	Santa Monica	\$45,000
Agua Hedionda Lagoon Foundation	Environmental Stewardship Academy	Carlsbad	\$50,000
Algalita Marine Research Institute	Plastic Ocean Pollution Solutions (POPS)	Long Beach	\$10,750
Amigos de Bolsa Chica	Education Program Enhancement	Huntington Beach	\$34,500
Aquarium of the Bay	Hybrid Ferry Program: The Next Generation	San Francisco	\$15,248
Aquarius Aquarium Institute	Ocean Connection 2014	Fresno	\$18,530
Audubon California/Richardson Bay Audubon Center	Herring & Birds Festival and Education	Tiburon	\$30,800
Back to Natives Restoration	Service Learning Habitat Restoration Project	Irvine	\$10,000
Batiquitos Lagoon Foundation	Student Scientists Sample Upstream Parameters	Carlsbad	\$31,320
Blue Frontier Campaign	"50 Ways to Save the Ocean" Tour	Richmond	\$20,000
Bolsa Chica Conservancy	Dune Habitat Restoration and Education Initiative	Huntington Beach	\$30,000
Cabrillo High School/Lompoc Unified School District	Aquarium "Mini Expansion"	Lompoc	\$10,000
Cachuma Resource Conservation District	Environmental Education for All	Santa Maria	\$9,964
California Exposition & State Fair	Beach Buddy Adventure	Sacramento	\$50,000
California Native Plant Society	California Coastal Rare Plant Treasure Hunt	Sacramento	\$35,000
California State Parks, Mendocino District	Beach Stewards	Mendocino	\$31,073
California Trout Inc.	Water Talks	San Francisco	\$26,945
Call of the Sea	Bay Explorations & Voyage Seaward	Sausalito	\$49,600
Camino Nuevo Charter Academy	Catalina, Here We Come!	Los Angeles	\$6,000

<u>Organization Name</u>	<u>Project Title</u>	<u>City</u>	<u>Requested Amount</u>
Central Coast Aquarium	Marine Ecology Short Course	Avila Beach	\$25,000
City of Fort Bragg/Noyo Center for Science & Education	Blue Whale Education Program	Mendocino	\$39,564
City2 Sea	Ocean Acidification Expedition	Redondo Beach	\$9,995
Clean Water Fund	ReThink Disposable Marine Debris Prevention Project	Oakland	\$31,000
Coastwalk California	Coastal Stewards Program and Website	Sebastopol	\$23,141
County of Los Angeles Dept. of Public Works	Seeing Blue at LA County Beaches	Alhambra	\$50,000
Crystal Cove Alliance	SNAP! (Science and Nature at the Park)	Newport Coast	\$25,000
Earth Island Institute	Wheels to Wetlands	Berkeley	\$50,000
EarthScope Media/MarinLink	Coastal Connections - News from the Shoreline	Fairfax	\$24,900
EarthTeam	Ocean Think Tank	Berkeley	\$15,789
East Bay Regional Park District	Least Tern Colony Caretakers	Oakland	\$15,000
Edventure More	Watershed Edventures	San Francisco	\$9,750
Elkhorn Slough Foundation	Celebrating Our Slough	Moss Landing	\$20,500
Environmental Volunteers	Canoe Connections	Palo Alto	\$9,955
Explore Ecology	Student Ocean Stewards	Santa Barbara	\$50,000
ExplorOcean	Ocean Literacy for All	Newport Beach	\$49,535
Fort Ross Conservancy	Abs & Otters: Fort Ross Marine Ecology Program	Jenner	\$31,910
Frank Intermediate School	Probing Oxnard's Watershed and Marine Environment	Oxnard	\$22,330
Fresno Chaffee Zoo	Teen LEADERS	Fresno	\$6,580
Friends of Channel Coast State Parks	Channel Coast Kayaking & Marine Education Program	Ventura	\$16,358
Greenspace - the Cambria Land Trust	Cambria Community Invasive Grass Education and Removal	Cambria	\$16,005

<u>Organization Name</u>	<u>Project Title</u>	<u>City</u>	<u>Requested Amount</u>
Gulf of Catalina Grey Whale Preserv. & Educ. Foundation	Gray Whale Foundation Research Trip	San Clemente	\$50,000
June Jordan School for Equity	Field Biology & Marine Biology Field Trips & Shore Cleanup	San Francisco	\$9,200
Kimbark Elementary School	Sixth Grade Catalina Island Marine Institute Trip & Beach Clean-Up	San Bernardino	\$21,400
Laguna Ocean Foundation	Natural Resources of Laguna Beach Mobile Application	Laguna Beach	\$8,600
Living Coast Discovery Center	Ocean Wonders Living Classroom	Chula Vista	\$35,000
Mattole Restoration Council	Mattole Youth Environmental Stewards	Petrolia	\$28,510
Mearth	Oceans for Life!	Carmel	\$25,250
Monterey Bay Marine Sanctuary Foundation	Google Tour of California's Underwater Parks	Monterey	\$17,531
Mountains Recreation and Conservation Authority	Youth Leadership Series	Calabasas	\$39,390
Napa County Resource Conservation District	Landsmart: Healthy Rivers Lead to Healthy Oceans	Napa	\$23,449
National Marine Sanctuary Foundation	Marine Protected Area Docent Training Handbooks	Silver Spring	\$9,708
Northcoast Environmental Center	Clean Beaches, Healthy Communities	Arcata	\$32,320
Ocean Conservation Society	Be Whale Aware	Marina del Rey	\$15,000
Ocean Discovery Institute	Ocean Science Explorers: 6th Grade	San Diego	\$23,500
Ocean Foundation	Squids4Kids	Pacific Grove	\$9,665
Ocean Research Foundation & Pacific Shark Research	California's Shark Ambassadors	Moss Landing	\$15,408
One OC/ Orange County Marine Protected Area Council	Traveling Seaweed Diversity Exhibit	Santa Ana	\$18,660
O'Neill Sea Odyssey	Ocean Classroom	Santa Cruz	\$10,000
Orange County Coastkeeper	Watershed Explorers	Costa Mesa	\$12,000
Outdoor Outreach	Youth Outdoors!	San Diego	\$25,000
Pacific Community Charter School	Point Arena Watershed Stewards	Point Arena	\$9,580

<u>Organization Name</u>	<u>Project Title</u>	<u>City</u>	<u>Requested Amount</u>
Pacific Enviromental Education Center	Fort Bragg 4th and 7th Grade Field Trips	Fort Bragg	\$5,720
Palo Alto High School	From Coast 2 Coast - US2Oz	Palo Alto	\$1,610
Park Western Place Elementary	Whale Adaptations	San Pedro	\$2,444
Pepperdine University	Outreach for Urban Beach Ecosystems in California	Malibu	\$9,915
Point Arena Lighthouse Keepers	Museum Interactive Learning Experience	Point Arena	\$35,000
PRIDE Booster Club/Paul Revere Middle School	Chasing the Gray Whale	Los Angeles	\$35,703
RCD of Greater San Diego County	Water Exploration Team	Lakeside	\$41,616
Redwood National and State Parks	Tide Pool Walk/Beach Clean-Up Ranger	Crescent City	\$14,855
Reef Check Foundation	Reef Check California	Pacific Palisades	\$50,000
Rural Human Services	Raising Salmon & Steelhead Trout in the Classroom	Crescent City	\$9,997
San Diego EarthWorks	Rose Creek Fest	San Diego	\$50,000
San Elijo Lagoon Conservancy	Our Living Watershed	Encinitas	\$24,475
San Joaquin River Parkway & Conservation Trust	River Camp Firebaugh	Fresno	\$29,022
San Mateo County RCD	Be the Solution	Half Moon Bay	\$36,896
Santa Barbara Museum of Natural History	Quasars in the Classroom	Santa Barbara	\$24,853
Save Our Shores	Expansion of Central Coast Adopt-A-Beach Program	Santa Cruz	\$25,039
Save The Bay	Restoration Education Project	Oakland	\$30,000
Shark Stewards/Earth Island Institute	Beach Trash to Ocean Treasures	Berkeley	\$16,200
Sierra Streams Institute	Climate Change Exchange	Nevada City	\$9,573
South Coast Habitat Restoration/Earth Island Institute	Santa Barbara Steelhead Festival	Carpinteria	\$38,287
Stewards of the Coast and Redwoods	Sonoma Coast Interactive Public Education	Duncan Mills	\$26,228

<u>Organization Name</u>	<u>Project Title</u>	<u>City</u>	<u>Requested Amount</u>
Temecula Preparatory High School	Field Trip to the Catalina Island Marine Institute	Winchester	\$48,325
UC Santa Barbara, Marine Science Institute	Community RESTOR	Santa Barbara	\$49,999
University Corporation at Monterey Bay	Flows to the Ocean	Seaside	\$28,429
USC Sea Grant Program	Urban Coastal California Naturalist Program	Los Angeles	\$35,176
Venice Beach Oceanarium	Venice Fishing Pier Project Water Station	Venice	\$7,500
Watsonville Wetlands Watch	Wetland Stewards After School Program	Freedom	\$15,000
WiLDCOAST	Get to Know Your Underwater Parks	Imperial Beach	\$25,000
Wilson Elementary School	Oceans and Life	Richmond	\$6,840
Zoological Society of San Diego	Stream Team Stewards Program	San Diego	\$11,600
Total Requested			\$2,241,515