

CALIFORNIA COASTAL COMMISSION

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DATE: January 28, 2016

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 2015/2016 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 2015/2016.

SUMMARY OF STAFF RECOMMENDATIONS

Approve the following 24 competitive grants totaling \$431,287 and serving the following areas:

A) Youth programs—\$236,077

- (1) Action Network (southern Mendocino and northern Sonoma counties)
- (2) Algalita Marine Research and Education (Los Angeles and Orange counties)
- (3) Camp Ocean Pines (Cambria)
- (4) Children's Maritime Foundation (Long Beach)
- (5) Friends of the Napa River (Napa)
- (6) Los Angeles Waterkeeper (Riverside and Los Angeles County)
- (7) Museum Foundation of Pacific Grove (Central Valley and Monterey Bay)
- (8) O'Neill Sea Odyssey (Santa Cruz)
- (9) Palos Verdes Peninsula Land Conservancy (Greater Los Angeles)
- (10) Parkview Elementary School (Port Hueneme, Ventura County)
- (11) Rural Human Services (Del Norte County)
- (12) San Elijo Lagoon Conservancy (northern San Diego County)

- (13) Santa Barbara Channelkeeper (Santa Barbara)
- (14) Sierra Club Foundation, Los Angeles ICO (Los Angeles County)
- (15) The Ocean Foundation (National City, southern San Diego County)
- (16) Vida Verde Nature Education (San Francisco Bay Area)
- (17) WiLDCOAST (San Diego County)
- B) Programs for the general public/adults—\$99,502
 - (18) Amigos de Bolsa Chica (Orange and Southern Los Angeles counties)
 - (19) Friends of the Dunes (Humboldt County)
 - (20) International Documentary Association (Central Coast and wider audience)
 - (21) Stewards of the Coast and Redwoods (Sonoma County)
- C) Climate education programs (youth/general public)—\$75,708
 - (22) Santa Barbara Museum of Natural History (Santa Barbara)
 - (23) Sierra Streams Institute (Nevada County)
- D) Adopt-A-Beach programs (general public) —\$20,000
 - (24) Pacifica Beach Coalition (San Mateo 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 24 projects.

II. INTRODUCTION

WHALE TAIL® License Plate

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 \$11 is deposited in the California Beach and Coastal Enhancement Account (CBCEA). Annual renewal fees deposit

approximately \$19.80 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, 2015, a total of 234,505 license plates have been sold. WHALE TAIL® License Plate sales and renewal fees (plus miscellaneous other small fees) have contributed \$25.2 million to the CBCEA, and \$62.2 million to the ELPF. (The additional fees that are charged for personalized plates go to the ELPF.)

The CBCEA funds the Coastal Commission's Public Education Program and the State Coastal Conservancy. The ELPF funds a variety of environmental programs in state agencies such as the Natural Resources Agency, California Conservation Corps, the Department of Forestry and Fire Protection, the Department of Fish and Wildlife, California State Parks, and many others.

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.)

Protect Our Coast and Oceans Fund

The Protect our Coast and Oceans “check box” on the California state tax return form was created pursuant to legislation authored in 2013 by former Assemblymember Al Muratsuchi. Per Article 5.1 (Sections 18745-18748) that was added to Chapter 3 of the Revenue and Taxation Code:

“All money designated under the Protect Our Coast and Oceans Fund space on a tax return ... shall be allocated as follows:

(a) To the Franchise Tax Board and the Controller for reimbursement of all costs incurred by the Franchise Tax Board and the Controller in connection with their duties under this article.

(b) (1) To the California Coastal Commission to support eligible programs awarded grants under the selection criteria established by the California Coastal Commission for the Whale Tail Grants Program, and for direct program-related expenses.”

In January 2014, California taxpayers began making voluntary contributions to the Protect Our Coast and Oceans Fund while completing their state tax returns. As of December 31, 2015, \$520,811 has been donated to this fund. The funding recommendations in this staff report will be funded by both the license plate and the “check box.”

Grantmaking Budget

The final approved budget for FY2015/16 includes \$753,000 for local assistance grants: \$503,000 from the CBCEA and \$250,000 from the Protect Our Coast and Oceans Fund. At its September

2015 meeting, the Commission voted to allocate the \$753,000 as follows: seven targeted grant projects totaling \$324,000, a temporary reserve of \$30,000 to be awarded later in the fiscal year, and the remaining \$399,000 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 at <http://www.coastal.ca.gov/publiced/plate/plgrant.html#map>.)

Since September 2015, there was a change to one of the targeted grants: a sum of \$2,287 ended up not being needed by grantees of the Kids' Adopt-A-Beach Assembly and Beach Cleanup Program. The staff has added this amount to the competitive grants budget. In addition, the \$30,000 temporary reserve has not been needed for any identified project. Therefore, this report describes the staff's recommendations for expenditure of \$431,287, the new balance available for competitive grants.

The Competitive Grants Program for FY2015/2016

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 subcategory was piloted for two years beginning in FY2013/14. It was to be continued upon the discretion of the Executive Director, and this year the Executive Director has approved its continuation.)

The staff began publicizing the grant program in September 2015. The deadline for submittal of grant applications was November 2, 2015. 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.

Competitive Grants Applicant Pool

The staff received 92 grant applications requesting a combined total of \$2,332,571 which equals over five 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 will have ripple effects 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 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.

Reaching Diverse and Underserved Audiences

One of the primary goals of this grantmaking program is to use funding to reach diverse and underserved audiences that are unlikely to receive coastal and marine education from other sources. These audiences include low-income populations, inland and rural communities, English language learners, and at-risk youth.

In this year's pool of recommended grants, 63% of the projects focus entirely on underserved communities. (For example, many youth programs entirely target a low-income population, such as the Palos Verdes Peninsula Land Conservancy, which is requesting funds solely to host students from underserved Los Angeles communities.) Another 29% contain some elements that focus on an underserved audience, as some of the programs include specific outreach to underserved groups but also serve the general population. (Stewards of the Coast and Redwoods, for instance, is reaching out to underserved schools but is also targeting members of the general public.) The remaining 8% focus on the public at large.

Geographic Considerations

The staff takes geography into account in making its funding recommendations with the goal that all Californians have opportunities to learn about and experience the coast and ocean. The majority of the recommended funding focuses on population centers in coastal areas, reflecting that these areas have great needs as well as a large number of submitted proposals. However, in selecting projects, the staff strives to ensure that less populous rural and inland portions of the state also are represented.

**III. Staff Recommendations for Competitive WHALE TAIL® Grant Awards
FY 2015/16**

The staff recommends that the Commission fund the 24 programs listed below (\$431,287 total).

The staff also recommends that the grants listed above be funded from the following sources:

WHALE TAIL® License Plate (CA Beach & Coastal Enhancement Acct.)	Voluntary contributions on state tax return (Protect Our Coast and Oceans Fund)
Algalita Marine Research & Education--\$9,890	Action Network--\$17,250
Amigos de Bolsa Chica--\$30,000	Museum Fndtn. of Pacific Grove--\$25,000
Camp Ocean Pines--\$8,700	O'Neill Sea Odyssey--\$9,800
Children's Maritime Foundation--\$9,500	San Elijo Lagoon Conservancy--\$20,000
Friends of the Dunes--\$9,975	Santa Barbara Channelkeeper--\$6,500
Friends of the Napa River--\$9,995	S.B. Museum of Natural History--\$40,708
International Documentary Association--\$50,000	Sierra Club Foundation, LA ICO--\$6,480
Los Angeles Waterkeeper--\$25,000	Stewards of the Coast & Redwoods--\$9,527
Pacifica Beach Coalition--\$20,000	WILD COAST--\$20,000
Palos Verdes Peninsula Land Conservancy--\$9,975	
Parkview Elementary School--\$9,992	
Rural Human Services--\$9,995	
Sierra Streams Institute--\$35,000	
The Ocean Foundation--\$8,000	
Vida Verde Nature Education--\$30,000	
Total Competitive Grants--\$276,022	Total Competitive Grants--\$155,265
Total previously allocated--\$226,978	Total previously allocated--\$94,735
Grand total allocated FY 2015/16--\$503,000	Grand total allocated FY 2015/16--\$250,000

(1) \$17,250 FOR ACTION NETWORK

Project Title: Coastal Connections Across Ages and Cultures
Project Location: Southern Mendocino and Northern Sonoma Counties
Project Timeline: April 2016 – April 2017
Total Project Budget: \$29,612
Estimated number of people served by the project: 60

Action Network is a nonprofit organization providing support services in the Redwood Coast region between Fort Ross and Elk. “Coastal Connections” started as an after-school enrichment program held at the low-income housing development at Sea Ranch and at the Gualala Point Regional Park Visitor’s Center, and Action Network is requesting funding to grow and strengthen it. The program would serve Latino, Caucasian, and Native American youth (with a high percentage of youth from bilingual families, low literacy homes, or tribal reservations) by providing 10 weeks of in-depth, hands-on marine and coastal education during the summer. Action Network would also augment local libraries with books about environmental studies.

The Coastal Connections program teaches participating youth using resources such as NOAA’s marine debris curricula, the Coastal Commission’s *Waves, Wetlands, and Watersheds* activity guide, and tribal knowledge from local Native American Pomo Indians. They would learn about local rivers, marshes, and native species; the importance of estuaries to salmon; sand and erosion; and pollution and people’s effects on the marine environment. The youth would take weekly field trips to local beach, coastal prairie, and stream environments; go hiking and whale-watching; conduct beach cleanups; bring home informational materials; and create a final project encouraging the community to keep the Gualala River watershed clean.

(2) \$9,890 FOR ALGALITA MARINE RESEARCH AND EDUCATION

Project Title: Ship2Shore Program
Project Location: Los Angeles and Orange counties
Project Timeline: March 2016 – December 2016
Total Project Budget: \$65,913
Estimated number of people served by the project: 100+

Algalita Marine Research and Education works to address the issue of plastic marine pollution through scientific research and public education, including research and education about the “Great Pacific Garbage Patch.” Algalita is proposing to host 100 middle and high school students from diverse communities, including Long Beach, Downey, Los Angeles, and Gardena, to involve them in real-world research to assess the health of near-shore waters. The students would spend a day on board the research vessel *Alguita* in San Pedro Bay and collect and study samples of the ocean’s surface water, sea floor mud, and plankton; they would catalog the birds and marine life they observe and the types of plastic debris they collect; and they would map the different debris collection points. They would also be learning about their local watershed and how upstream actions affect the ocean.

In an outreach component to this project, while the students are on board conducting their studies, Algalita would connect them with students at other schools via the ship’s satellite communication system. Near the conclusion of their research, the students would be encouraged to launch community action projects to reduce plastic waste, and to share their projects through school assemblies, community outreach events, or online. Finally, these students would also be

invited to attend Algalita’s annual Plastic Pollution Solutions Youth Summit at the Ocean Institute in Dana Point in the spring of 2017.

(3) \$8,700 FOR CAMP OCEAN PINES

Project Title: Educational Marine Touch Tank
Project Location: Cambria
Project Timeline: March 2015 – December 2015
Total Project Budget: \$13,000
Estimated number of people served by the project: 3,000/year

Camp Ocean Pines, a facility overlooking the Cambria shoreline, operates a residential outdoor education program that has recently been renamed “The Coastal Institute at Camp Ocean Pines.” The new name reflects an increased focus on coastal education. Camp Ocean Pines has been noticing that increasing numbers of the students that attend their outdoor science camp program are not taking part in off-site excursions to visit tidepools or elephant seals because their schools cannot afford the additional fees. As part of its new coastal education curriculum and to strengthen on-campus offerings for students who aren’t taking excursions, Camp Ocean Pines is proposing to add a large marine touch tank at its facility.

With the purchase of this tank, all visiting youth would receive a touch tank lesson. The 100 gallon tank would be stocked with local invertebrates. The touch tank would have the advantages of providing lower-income schools and disabled students with a greater chance of seeing tidepool animals, impacting the natural habitat less, and allowing for tidepool creature viewing even during bad weather. For students who would visit a real tidepool anyway, the touch tank would give them the opportunity to learn background information and practice safe handling techniques.

(4) \$9,500 FOR CHILDREN’S MARITIME FOUNDATION

Project Title: Long Beach Watershed and Marine Science Program
Project Location: Long Beach
Project Timeline: March 2016 – June 2016
Total Project Budget: \$110,000
Estimated number of people served by the project: 475

The Watershed and Marine Science Program is a 30-day curriculum provided by the Children’s Maritime Museum to fourth-grade classroom teachers. During this month-long, in-depth study, students learn about ocean ecosystems, food chains, and how humans can pollute and otherwise impact the watershed. The curriculum includes biology, physics, and environmental science.

At the end of the 30 days, the students visit the *American Pride*, a three-masted schooner and the official tallship of Long Beach. The students take part in a three-hour educational sail during which they view dolphins, sea lions, and other wildlife, have the opportunity to handle sea stars and other invertebrates in an onboard aquarium, dissect a squid, experience first-hand the ocean that they have been learning about, and review how they can help the environment through water conservation and pollution prevention.

(5) \$9,995 FOR FRIENDS OF THE NAPA RIVER

Project Title: Riding the Tide: the Napa River Classroom
Project Location: Napa and American Canyon
Project Timeline: April 2016 – August 2016
Total Project Budget: \$12,081
Estimated number of people served by the project: 320

Last year, Friends of the Napa River (FONR) partnered with the Napa County Resource Conservation District (RCD) to pilot a small project taking youth from the Boys and Girls Club of Napa Valley kayaking on the Napa River for lessons, games, exploration, a river cleanup, and later teaching younger club members what they had learned. To grow and formalize this as a regular program offering, FONR is requesting a WHALE TAIL® grant for the “Riding the Tide” program to build stewardship and leadership for local watersheds and coastal resources.

For this program, FONR would recruit up to 60 underserved youth in grades 7-12 at the Boys and Girls Club. Along with staff from the RCD, they would take a kayaking trip on the Napa River and learn about salinity, tides, fish and wildlife of the estuary, the local watershed, and how the Napa River connects them with the ocean. After kayaking, the youth would do a litter cleanup along the riverbanks, tally what they collect, and think of ways to keep those different types of litter out of the waterways. In the second phase of the program, the student kayakers, back at the Boys and Girls Club, would be visited by the FONR and RCD staff and learn how to lead 10-minute water education activity stations. The youth would lead these stations, and teach educational games they learned at the river, to the younger children (in grades 1-6). There would also be a litter cleanup and analysis in the Club’s neighborhood, and the participants would make a display to share with their parents about the Napa River and its connections to the ocean.

(6) \$25,000 FOR LOS ANGELES WATERKEEPER

Project Title: Native American Coastal Youth Ambassadors Program
Project Location: Riverside and Los Angeles counties
Project Timeline: April 2016 – May 2017
Total Project Budget: \$52,000
Estimated number of people served by the project: 630

Los Angeles Waterkeeper is requesting funding to launch a year-long program providing watershed and ocean stewardship education for high school students. Program staff would visit their schools for at least two school-wide coastal education workshops and at least two advanced lectures with related activities for 11th and 12th graders. Between 25 and 35 students would be selected as “Youth Coastal Ambassadors” to go on Marine Protected Area (MPA) Watch boat trips. During these trips, the students would gather data on boating and fishing activities at State Conservation Marine Areas off the coast of Malibu and the Palos Verdes Peninsula. These ambassadors would return to school and make presentations to their fellow students.

The youth participating in this program would all be attending Sherman Indian High School, a boarding school in Riverside for Native American youth from all over the country. The curriculum for this program would be created in collaboration with the Sacred Places Institute for Indigenous Peoples, the Sherman Indian Museum, and the high school. The curriculum would include traditional ecological knowledge, traditional sustainability practices, and members of coastal organizations as speakers on campus and during field trips.

(7) \$25,000 FOR MUSEUM FOUNDATION OF PACIFIC GROVE

Project Title: LiMPETS
Project Location: Central Valley and Monterey Bay
Project Timeline: April 2016 – July 2017
Total Project Budget: \$145,930
Estimated number of people served by the project: 830

LiMPETS stands for “Long-term Monitoring and Experiential Training for Students” and is a well-established program operating in different locations along California’s National Marine Sanctuaries. LiMPETS brings students into the field for hands-on science education as they observe, collect information, and analyze their data on sand crabs on beaches and on different species in the rocky intertidal zone. LiMPETS data is entered in a central database and is researched by scientists and resource managers looking at coastal wildlife trends over time. The Pacific Grove Museum of Natural History manages the LiMPETS program on the central coast.

In order to promote ocean literacy and stewardship to students who don’t normally have the opportunity to visit the ocean, the Pacific Grove Museum is proposing to recruit classes from Fresno, Stanislaus, and Merced counties. Besides hosting the program, they would provide a special workshop in Turlock to train participating teachers on sandy beach monitoring, and they would develop additional training materials to prepare these students. The program curriculum includes activities introducing students to marine animals and sandy beach monitoring, data entry protocols, how the students can manipulate the data and interpret graphs, and the broader significance of monitoring efforts. Students would complete the program by communicating their observations to an audience, with an option to take part in conservation efforts.

(8) \$9,800 FOR O’NEILL SEA ODYSSEY

Project Title: Transportation for Ocean Stewards
Project Location: Santa Cruz
Project Timeline: March 2016 – March 2017
Total Project Budget: \$72,800
Estimated number of people served by the project: 450

O’Neill Sea Odyssey offers an award-winning, hands-on, ocean-going science and environmental stewardship program aboard a 65-foot catamaran for students in grades 4-6. The program includes three onboard learning stations: navigation, including compasses and triangulation; marine ecology, including the kelp forest, marine mammals, and human impacts on Monterey Bay; and marine biology, specifically examining and learning about plankton. These stations are complemented by three other stations at an education center on land: navigation, including reading and plotting navigational charts; marine ecology, covering the water cycle, watersheds, and ocean pollution stemming from land-based activities; and marine biology, where the plankton samples collected on the boat are examined further using microscopes. Teachers are provided with additional lessons they can implement at school before and after the trip, and a new app for the program allows students to enter oceanographic data directly from the boat to the Internet, where they can access it from their classrooms.

O’Neill Sea Odyssey’s program is offered free of charge, but participating classes “earn” their trip by first completing an approved community service project. Examples of projects include incubating steelhead eggs, cleaning and restoring wetlands, or restoring sand dunes. One

hundred percent of this grant would be allocated to providing transportation to Santa Cruz Harbor to participate in the program for schools that do not have the funding to pay for it.

(9) \$9,975 FOR PALOS VERDES PENINSULA LAND CONSERVANCY

Project Title: Junior Naturalist Program
Project Location: Greater Los Angeles Area
Project Timeline: June 2016 – September 2017
Total Project Budget: \$22,976
Estimated number of people served by the project: 1,000

The Palos Verdes Peninsula Land Conservancy manages and restores the White Point Nature Preserve, 102 acres of coastal open space overlooking the ocean in San Pedro. The Conservancy’s Junior Naturalist Program brings elementary students from underserved schools in San Pedro and elsewhere in urban Los Angeles on guided field trips to the Preserve for a hands-on educational program covering watershed issues, local coastal plants and animals, and local Native American culture and use of coastal resources. They learn about the difference between native and non-native species, as well as how their actions impact the watershed and the local ecosystem. They also hike and learn about the value of this open space and its coastal sage scrub habitat. They help plant seeds and plants and visit the exhibits at the White Point Nature Education Center. In addition, parent chaperones act as volunteer docents and are encouraged to come again with their families.

(10) \$9,992 FOR PARKVIEW ELEMENTARY SCHOOL

Project Title: Ocean Ambassadors
Project Location: Port Hueneme
Project Timeline: June 2016 – May 2017
Total Project Budget: \$9,992
Estimated number of people served by the project: 144

Students at Parkview Elementary School mostly come from families where the parents speak Spanish and work in the agricultural industry. Many know little about the ocean and have never been on a boat. A fourth-grade teacher is seeking funding to continue offering a series of marine education activities for his students including: visiting Anacapa Island and collecting data on life in tidepools there; testing water from the Ventura River and investigating whether Steelhead salmon could survive there; and visiting Ormond Beach wetland and learning about wetland and watershed protection.

Additionally, the students would be filmed conducting their studies, and two students from each of the four participating classes would be selected to do “digital storytelling” at the Computer-Using Educators (CUE) conference in Palm Springs to share what they learned. Through these experiences students would also learn about education beyond high school and career opportunities in science, marine ecology, and conservation.

(11) \$9,995 FOR RURAL HUMAN SERVICES

Project Title: Raising Salmon in the Classroom
Project Location: Del Norte County
Project Timeline: March 2016 - April 2018
Total Project Budget: \$15,273
Estimated number of people served by the project: 400

Rural Human Services is a nonprofit organization in Crescent City, and its Natural Resource Program has been helping students throughout Del Norte County raise salmon and steelhead trout in their classrooms for many years. With authorization and training from the California Department of Fish and Wildlife, this program brings the eggs of Chinook salmon or steelhead trout to 13-20 classrooms for students in pre-school through 12th grade (with an emphasis on grades 3 and 4). 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 salmonid survival, wetlands, and the importance of environmental stewardship so their fry have a good chance to live successfully in their watershed. The students would also help improve the salmon's spawning habitat by planting native tree seedlings along streams to provide bank stabilization, shade, and woody debris. Rural Human Services staff (along with Department of Fish and Wildlife staff) trains new teachers on raising the fish, offers teachers ongoing support, and provides one-hour presentations to all participating students about anadromous fisheries and watershed conservation.

(12) \$20,000 FOR SAN ELIJO LAGOON CONSERVANCY

Project Title: Our Living Watershed
Project Location: Escondido and Encinitas, San Diego County
Project Timeline: April 2016 – August 2017
Total Project Budget: \$126,590
Estimated number of people served by the project: 2,000

“Our Living Watershed” is a program that takes place over three consecutive school years for students in grades 3-5 in four Title I schools in Escondido. The project's environmental science curriculum covers adaptations in third grade, food chains in fourth grade, and wetlands and 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. Escondido Creek drains into San Elijo Lagoon after passing through Escondido 20 miles away. The great majority of the participants are Latino students learning English.

This program was previously supported by WHALE TAIL® funding and continues to grow. Based on the organization's new focus on conservation, three conservation skill-building stations have been added to the wetland tour, comprised of a recycling activity, a plastics reduction lesson, and a water conservation contest. This grant would provide support for operating this program and for updating and rewriting the teacher guides to incorporate these conservation activities and to align with the Next Generation Science Standards.

(13) \$6,500 FOR SANTA BARBARA CHANNELKEEPER

Project Title: Seafari Program: On-the-Water Experiential Education
Project Location: Santa Barbara
Project Timeline: March 2016 – December 2016
Total Project Budget: \$25,000
Estimated number of people served by the project: 500

The goal of the Seafari Program is to spread ocean awareness and inspire environmental stewardship, especially for people who lack the opportunity to get out on the water and who have a low level of ocean awareness. This funding would support serving low-income, Latino youth through outreach to community groups, churches, schools, and after-school programs.

Seafari cruises take place aboard Channelkeeper’s research vessel. Students travel to Mohawk Reef, a kelp forest about three miles west of Santa Barbara Harbor, where a SCUBA diver goes underwater with a camera connected to a monitor above board. Through the video feed and a wireless communication, the diver shows and tells passengers what they are seeing underwater, and a staff scientist on the deck of the boat discusses with the students the biodiversity of the kelp forests and eelgrass beds of the Santa Barbara Channel, the biggest threats to its habitats, the importance of good water quality, what people are doing protect and restore habitats (including Marine Protected Areas), and what kids and their parents can do to prevent harmful pollution. During the grant period, Santa Barbara Channelkeeper (SBCK) would also incorporate into the program additional teaching about the seven Principles of Ocean Literacy as well as a component about ocean acidification, as there is a pH monitoring station already located at Mohawk Reef. Finally, SBCK would outfit their boat with equipment to live-stream the cruises and the underwater video feed directly to classrooms and other venues.

(14) \$6,480 FOR SIERRA CLUB FOUNDATION, LOS ANGELES ICO

Project Title: Launching the Next Generation of Marine Stewards
Project Location: Los Angeles County
Project Timeline: April 2016 – May 2017
Total Project Budget: \$6,480
Estimated number of people served: 100

Inspiring Connections Outdoors (ICO) is run by Sierra Club volunteers to provide outdoor experiences for young people who wouldn’t otherwise have the opportunity to enjoy such outings. The Los Angeles ICO program is proposing to start a marine stewardship program combining coastal outings with school-based education and an environmental action project for teens from urban Los Angeles County communities such as Paramount and Huntington Park.

At their high schools, participating students would hear presentations about the impact of human behavior on the marine environment, both positive and negative, by speakers from other organizations such as the Bolsa Chica Stewards, Friends of the Los Angeles River, or Heal the Bay. Docents from these and other groups would guide the students during their outings to coastal locations such as the Bolsa Chica wetlands, Abalone Cove, the Marine Mammal Care Center in San Pedro, and others. Students would discuss and debate local issues and current projects that would impact the southern California coast. The students would also choose a hands-on group project to complete such as native plant restoration, a beach or river cleanup, or educating others on topics such as energy-friendly appliances, climate change’s effect on the oceans, or other threats to marine ecosystems.

(15) \$8,000 FOR THE OCEAN FOUNDATION

Project Title: Ocean Connectors
Project Location: National City (south San Diego County)
Project Timeline: June 2016 – July 2017
Total Project Budget: \$175,000
Estimated number of people served: 2,500

Ocean Connectors is a project of the Ocean Foundation that focuses on teaching low-income Latino students in National City about migratory marine life and conservation topics over the course of three years. In the fourth grade, students study the endangered sea turtles that live in San Diego Bay while learning about waste management, the problems with single-use disposable plastics, and the “3 R’s” (reduce, reuse, recycle). They also visit the Living Coast Discovery Center in Chula Vista to see the green sea turtle exhibit and other animal life. In the fifth grade, students learn about the migrating California gray whale as well as the issues of sustainable seafood and bycatch, and they go on a narrated whale-watching trip. And in the sixth grade, they study migrating birds and their habitats and also learn about the impacts of pollution and coastal development on the ecosystem. The six-graders’ outdoor experience is to go bird-watching and help restore habitat in the South San Diego Bay National Wildlife Refuge.

Ocean Connectors also includes a bilingual, cross-border “knowledge exchange” component in which students share artwork, writing, or short videos about their animals with other students who live in Nayarit, Mexico, near where the animals migrate. Migration of the animals illustrates the connection between different parts of the same ocean.

(16) \$30,000 FOR VIDA VERDE NATURE EDUCATION

Project Title: Multi-Day Coastal Environmental Education
Project Location: San Francisco Bay Area
Project Timeline: March 2016 – June 2017
Total Project Budget: \$586,340
Estimated number of people served by the project: 750

Vida Verde Nature Center is located in the hills of coastal San Mateo County and hosts underserved, urban Bay Area students in grades 4-6 for a free, three-day, two-night environmental education experience. Vida Verde serves at least 750 children per year, one group each week. Close to 100% of the participants are low-income minority students and they are only eligible to attend if their schools don’t offer any other outdoor, overnight experiences. Activities include guided explorations through coastal beaches and tidepools, Pescadero Marsh, and a nearby redwood grove. Many of the children visit the ocean for the first time through this program. Vida Verde also has an educational organic farm on its 100-acre site.

Through a highly structured, activity-packed program featuring positive behavior management and many new but achievable challenges, students who are new to this type of environment learn science and environmental stewardship along with confidence and trust-building. They learn about topics such as tides, animal adaptations, beach ecology, and how a watershed connects their home with the ocean. Vida Verde has also developed a related curriculum for teachers to use once they are back in the classroom in order to increase the program’s impact.

(17) \$20,000 FOR WILD COAST

Project Title: Youth MPA Citizen Science Cruise Project
Project Location: San Diego County
Project Timeline: March 2016 – December 2016
Total Project Budget: \$50,000
Estimated number of people served by the project: 150

WiLDCOAST provides leadership for San Diego's Marine Protected Areas (MPAs). Besides general public outreach and coordination, WiLDCOAST developed an MPA Youth Education and Stewardship Program and has led citizen science boat cruises for youth to build a new generation of MPA stewards. With this funding, WiLDCOAST would provide more youth MPA citizen science cruises— six 3-hour outings for 150 at-risk middle and high school students from underserved communities such as Chula Vista and San Ysidro. The program is modeled on one developed by Crystal Cove Alliance (a partner organization) with partial funding from a previous WHALE TAIL® grant. During this grant period WiLDCOAST would modify the curriculum and acquire their own equipment to use with such cruises in the future.

The participating youth would go to two MPAs in South La Jolla— the State Marine Reserve and the South La Jolla State Marine Conservation Area (SMCA). The boat cruises use chartered fishing vessels, thereby also involving members of the fishing industry in MPA stewardship. On these floating lab trips, students would collect data on water temperature, pH, dissolved oxygen, marine debris, and other conditions; identify fish; collect plankton; and contribute their usable data to MPA monitoring projects. Off the boat, the students would learn about local MPAs, marine ecology, threats to ocean health, and opportunities to engage in these environments. They would also attend at least one coastal cleanup at the Tijuana River Mouth SMCA.

(18) \$30,000 FOR AMIGOS DE BOLSA CHICA

Project Title: FLOW (Follow and Learn about the Ocean and Wetlands)
Project Location: Huntington Beach
Project Timeline: March 2016 – June 2017
Total Project Budget: \$37,920
Estimated number of people served by the project: 750

Amigos de Bolsa Chica provides education and guided walking tours at the Bolsa Chica wetlands in Huntington Beach. One of the organization's newer programs is FLOW (Follow and Learn about Oceans and Wetlands), a citizen science program for adult volunteers and multicultural, underserved students from Orange County (often from inland areas) and southern Los Angeles County. In this program, through chemistry and microscopy lessons as students shadow adult volunteers, participants learn about water quality and how to analyze the contents of ocean and wetland water samples for potentially harmful phytoplankton (microalgae) that may be in the water. Test results are sent each week to the California Department of Public Health.

With this grant, Amigos de Bolsa Chica would strengthen the FLOW program in a number of ways. First, new testing kits would allow for more advanced water quality measurements of levels of nitrates, phosphates, shellfish poisoning toxins, and other chemicals. Second, updated information and new activities would help the students do a better job of analyzing the phytoplankton, while meeting new Common Core and Next Generation Science Standards. Third, new kits for teachers to continue studying plankton and water quality in their classrooms

would allow them to learn more about how natural events and human actions affect coastal water quality. Fourth, portable kits would be created for Amigos volunteers to offer water quality testing presentations at schools or community events. And finally, the grant would support training and educating new and returning adult volunteers to keep the FLOW program strong.

(19) \$9,975 FOR FRIENDS OF THE DUNES

Project Title: Coastal Education Revitalization & Expansion Program
Project Location: Humboldt County
Project Timeline: March 2016 – February 2017
Total Project Budget: \$28,573
Estimated number of people served by the project: 1,500 youth + 3,200 visitors

Friends of the Dunes (FOD) operates the Humboldt Coastal Nature Center west of Humboldt Bay and offers a variety of public programming. FOD is requesting funding for two elements of the organization’s public programs. The first is to update FOD’s Bay to Dunes education program, which provides classroom presentations and field trips to the dunes for North Coast students. The curriculum would be updated and aligned with new Next Generation Science Standards and Common Core Standards in order to remain relevant for teachers required to cover these new standards. Funding would support staff time to update the Bay to Dunes program, draw out connections between the activities and the standards, advertise them to teachers, and train FOD volunteers. FOD would also design an improved evaluation plan for Bay to Dunes.

The second element is to work with the Wiyot Tribe to incorporate tribal cultural history, photos, and stories into FOD’s curriculum and as a display for visitors to the Nature Center. A glossary of Wiyot names for local coastal species would be developed and shared with volunteers and teachers, and the Wiyot language would be incorporated into the public display.

(20) \$50,000 FOR INTERNATIONAL DOCUMENTARY ASSOCIATION

Project Title: Coastal Trail Films
Project Location: Central Coast (and wider audience)
Project Timeline: March 2016 – December 2016
Total Project Budget: \$50,000
Estimated number of people served by the project: thousands

In 2015, the media production company, Rigler Creative, received funding from the State Coastal Conservancy to produce a series of video vignettes highlighting segments of the California Coastal Trail from San Diego County northward through Cambria. Rigler Creative, working through its nonprofit fiscal sponsor, the International Documentary Association, is requesting support to continue to highlight the California Coastal Trail with 6-9 more segments, starting where they left off in northern San Luis Obispo County and following the trail through Monterey and Santa Cruz and into San Mateo County.

As they tell the story of different highlighted trail segments, these shows would raise awareness about the Coastal Trail and encourage people to explore it. Each piece would be 4-6 minutes long and feature interviews with local officials, residents and trail users; the stories of the coastal areas surrounding the trail; and local public access opportunities and attractions. The completed videos could be added to the others already posted on KCET’s website and would also be broadly shared through social media and via partner organizations and other forms of outreach.

(21) \$9,527 FOR STEWARDS OF THE COAST AND REDWOODS

Project Title: Sonoma Coast Mobile Marine Van

Project Location: Sonoma County

Project Timeline: March 2016 – August 2017

Total Project Budget: \$45,787

Estimated number of people served by the project: thousands

As a nonprofit organization supporting California State Parks in the Russian River District of Sonoma County, Stewards of the Coast and Redwoods provides a variety of educational programming for the public. One example is outreach via the “Steward Ship,” a mobile marine education van. The van has been retrofitted to house educational displays, hands-on activities, a video screen, and paintings of marine life on the outside.

During the project period, the organization’s docents would bring the van to 12 different schools, with an emphasis on underserved schools in Sonoma County, to raise awareness about coastal natural and cultural resources and foster stewardship of Sonoma’s coast. The van would also be parked at high-traffic Sonoma County beaches on busy weekends, and the Stewards would bring the van to six different public coastal events such as the Bodega Bay Fisherman’s Festival and North Bay Science Discovery Day at the Sonoma County Fairgrounds. Also during the project period, the Stewards would recruit and train new docents for all its education programs (such as many student field trips), including continuing to recruit Spanish-speaking docents, which would be aided by connections established by the organization’s bilingual outreach coordinator.

(22) \$40,708 FOR SANTA BARBARA MUSEUM OF NATURAL HISTORY

Project Title: Carbon Counts: Living on Thin Ice

Project Location: Santa Barbara

Project Timeline: March 2016 – June 2017

Total Project Budget: \$83,810

Estimated number of people served by the project: 100,000

The Santa Barbara Museum of Natural History, which serves visitors both at its main museum facility and at the Sea Center it operates at Stearns Wharf, is planning an initiative to promote ocean and climate literacy. Climate change science and solutions would be presented through a variety of public programming at both facilities, featuring interactive, hands-on activities and the visual teaching tool called the “Magic Planet,” a projection globe with a display that can help people visually understand complex oceanic and climate data. Topics covered would include weather events at the ocean and coastline, sea level rise, changing ocean chemistry, and changing habitat ranges of indicator plant and animal species.

As part of preparing to present this programming, the Museum staff, docents, and volunteers would receive special training on the principles and concepts of ocean and climate literacy, how to communicate about these issues, and how people can decrease their impact on the planet. A summer-long training in ocean and climate literacy would also be provided to a group of teens (who have committed to working with the Museum for three years), including a four-day trip to the Channel Islands National Marine Sanctuary. Afterward, the teens would work with Museum educators to develop a lesson plan and deliver it to approximately 1,000 8th-grade students in the Santa Barbara Unified School District, as well as to the general public at local community events such as Earth Day and World Oceans Day.

(23) \$35,000 FOR SIERRA STREAMS INSTITUTE

Project Title: **Scaling Up: Climate Change Exchange**
Project Location: **Nevada County**
Project Timeline: **March 2015 – December 2016**
Total Project Budget: **\$38,022**
Estimated number of people served by the project: **200**

The Sierra Streams Institute is a watershed science organization that has formed a partnership with the teachers at Yuba River Charter School in Nevada City. Two years ago, Sierra Streams received a WHALE TAIL® grant for a year-long environmental science program for students in grades 7 and 8 at this rural charter school. Sierra Streams is now requesting funding to continue delivering the program and to add two additional underserved schools— Grizzly Hill School in Nevada City and Lyman Gilmore Middle School in Grass Valley.

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 six classes on watershed science, salmon ecology and life cycles, principles of ocean literacy, and the concepts of climate change. They would also go on two field trips, first to raft on the Yuba River during salmon spawning season in the fall, and second to 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 and use them to present and compete at the Nevada County Student STEM Expo.

(24) \$20,000 FOR PACIFICA BEACH COALITION

Project Title: **Adopt-A-Beach and Public Education Programs**
Project Location: **San Mateo County**
Project Timeline: **March 2016 – December 2016**
Total Project Budget: **\$33,265**
Estimated number of people served by the project: **21,000**

Pacifica Beach Coalition (PBC) has been an Adopt-A-Beach coordinator in Pacifica for many years, organizing beach cleanups and recruiting community volunteers to participate. PBC is requesting funding to support an expanded Adopt-A-Beach program to include three additional beaches in San Mateo County: Montara State Beach, Gray Whale Cove, and Tunitas Creek Beach. All three of these beaches would greatly benefit from regular community cleanups. The new locations would be in addition to PBC’s other cleanups already taking place at five locations in Pacifica and one at Pillar Point Harbor.

Pacifica Beach Coalition also hosts a number of other environmental public education events each year, and this grant would help support these activities as well. One is Earth Day of Action, when over 7,000 volunteers help clean up the community. At the end of Earth Week, PBC hosts a large “EcoFest” with up to 45 environmental booths and family activities to raise awareness about the impact everyone has on the oceans and the broader environment. Another activity is a booth and a parade float at the “Fog Fest,” to educate and recruit volunteers for future beach cleanups. PBC also hosts corporate volunteers for beach cleanup and restoration events, where they also learn about harmful impacts of litter and issues facing the coastal environment. Lastly, PBC hosts a lecture series at Sharp Park Library with speakers from local marine education organizations.

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

Fiscal Year	Targeted Grants	Competitive Grants
<p>2013/2014 \$816,000 Total</p> <p>Funds avail. for targeted grants: \$423,874</p> <p>Funds avail. for competitive grants: \$392,126</p> <p>Requests received: 105 totaling \$2,665,389</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 \$100,314</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>California State Parks Foundation for a high school curriculum on coastal science and policy \$34,650</p>	<p>Ocean Discovery Institute for sixth-graders from City Heights, San Diego to learn about carbon dioxide emissions, climate change, and renewable resources \$22,407</p> <p>Youth Outdoors! for teens from southern San Diego County to visit the Tijuana Estuary to learn about the area and restore habitat \$5,500</p> <p>San Elijo Lagoon Conservancy for a 2-year wetlands and watersheds program for elementary students in Escondido and Vista \$18,272</p> <p>ExplorOcean for underserved students in the KidWorks program in Santa Ana to learn about the principles of ocean literacy and attend camp in Newport Beach \$35,000</p> <p>Gray Whale Foundation for whale observation research trips and lessons about gray whales and the marine environment for southern Orange County youth \$20,000</p> <p>Beach Ecology Coalition for community volunteers to measure the ecological health of urban sandy beaches in southern California \$9,915</p> <p>Camino Nuevo Charter Academy, in the Westlake neighborhood of Los Angeles, for seventh-grade students to visit and research Santa Catalina Island \$6,000</p> <p>City2 Sea for teens at four underserved high schools in the Los Angeles area to learn about ocean acidification and carbon footprints on boating expeditions \$9,995</p> <p>Cachuma Resource Conservation District for watershed stewardship education for 5th-graders in Guadalupe, Santa Barbara County \$9,964</p> <p>UC Santa Barbara, Marine Science Institute for water quality education and community restoration of the Ormond Beach wetlands in Ventura County \$28,000</p> <p>Return of the Natives for families in Salinas to learn how litter gets washed down to Monterey Bay, clean a local creek, and install native plants on sand dunes \$20,500</p> <p>Edventure More for elementary students at underserved Oakland public schools to learn about watersheds and their own connection with the ocean \$9,750</p> <p>Small Schools for Equity for biology class field trips and field supplies for high school students at San Francisco's June Jordan School for Equity \$9,200</p>

<p>2013/2014 (continued)</p>		<p>California Exposition & State Fair for a large exhibition at the 2014 State Fair about the coast and ocean and ocean stewardship \$40,000</p> <p>Sierra Streams Institute in Nevada City for a year-long environmental education program focusing on migrating salmon and the effects of climate change \$9,573</p> <p>Noyo Center for Science and Education in Fort Bragg for marine mammal education and science activities featuring the reconstructed skeleton of a blue whale \$35,000</p> <p>Mattole Restoration Council for a partnership of five organizations to provide coastal and watershed education in the remote Mattole Valley \$25,510</p> <p>Northcoast Environmental Center for leading a number of public education programs in Humboldt County focused on clean beaches and watersheds \$30,320</p> <p>Rural Human Services for students to raise salmon and steelhead trout in Del Norte County classrooms and then release them into the wild \$9,997</p> <p>Clean Water Fund for educating the public about how most marine debris is disposable food and beverage containers and the benefits of reusable items \$17,850</p> <p>Ocean Communicators Alliance for creating handbooks and providing training to help docents teach the public about California Marine Protected Areas \$9,708</p> <p>The Ocean Foundation for the “Squids-4-Kids” program providing frozen giant squid for dissections (and related educational content) throughout California \$9,665</p>
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Fiscal Year	Targeted Grants	Competitive Grants
<p>2014/2015 \$754,000 Total</p> <p>Funds avail. for targeted grants: \$368,537</p> <p>Funds avail. for competitive grants: \$385,463</p> <p>Requests received: 128 totaling \$2,898,074</p>	<p>Adopt-A-Beach School Assembly Program and Kids' Cleanup Program \$95,000</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>Coastwalk California Adopt-A-Beach Program \$23,150</p> <p>Tides Center for School-Based Marine Education Program \$100,700</p> <p>Tides Center for Community-Based Wetland Restoration and Education \$47,500</p> <p>Beach Wheelchair Purchase \$2,637</p> <p>California Exposition & State Fair "Beach Buddy Adventure" \$40,000</p>	<p>Groundwork San Diego – Chollas Creek for a climate change challenge program focusing on CO₂ emissions and the health of marine resources \$10,000</p> <p>Crystal Cove Alliance for "SNAP!— Science and Nature at the Park," a variety of citizen science education programs and related public exhibits \$20,000</p> <p>ExplorOcean for underserved Orange County middle and high school students to learn about and different threats to the ocean \$20,000</p> <p>El Monte Union High School District for Arroyo High School students to learn about pollution and their local watershed along the length of the LA River \$5,640</p> <p>Lawndale High School for teens in the Marine Science Academy to conduct ocean science studies during on-the-water boat trips \$10,000</p> <p>STAR, Inc. for students from urban schools in Los Angeles to participate in environmental education lessons also featuring live rescued animals \$10,000</p> <p>Parkview Elementary School for the "Ocean Ambassadors" project for fourth-grade students in Port Hueneme to take a series of marine education field trips \$9,992</p> <p>Cabrillo High School in the Lompoc Unified School District for an expansion of the school's student-run aquarium \$25,000</p> <p>Central Coast Aquarium in Avila Beach for students to participate in the Marine Life Monitoring Program, share their data, and learn about ocean stewardship \$14,912</p> <p>Community Action Partnership of Kern for an after-school marine studies program featuring ocean science topics and prehistoric marine life fossils \$8,932</p> <p>Center for Ocean Solutions at Stanford University for an intensive ocean policy and leadership course in Monterey for graduate students \$25,000</p> <p>Live Oak School District in Santa Cruz County for 5th grade students to identify, investigate, and solve a real-life problem relating to Monterey Bay \$10,000</p> <p>O'Neill Sea Odyssey for bus transportation to attend an environmental stewardship program aboard a 65-foot catamaran and at an educational center on land \$9,800</p>

<p>2014/2015 (continued)</p>		<p>Bay.org for Aquarium of the Bay staff to lead year-round volunteer shoreline cleanups on San Francisco's east side and provide marine debris education \$30,000</p> <p>California Environmental Technology Education Network for a digital sea level rise mapping project at Oakland Technical High School \$7,561</p> <p>KIDS for the BAY/Earth Island Institute for elementary students at urban schools in Oakland and Richmond to take educational coastal field trips \$32,000</p> <p>Marin County Community Development Agency for “Youth Exploring Sea Level Rise Science,” offering a new curriculum on climate science and mapping \$28,900</p> <p>The Marine Mammal Center for training volunteers and staff on climate change science and how to interpret the information to the visiting public \$32,000</p> <p>Fort Ross Conservancy for a marine ecology program (including marine mammal census-taking) for students from Sonoma and Mendocino counties \$9,740</p> <p>City of Arcata for local artists to create educational pollution prevention murals on four storm drains in town that lead to local creeks \$9,709</p> <p>Tolowa Dunes Stewards to work with Del Norte County youth, with an emphasis on tribal youth, on habitat restoration and conservation career options \$20,000</p> <p>Lawrence Hall of Science, UC Berkeley to align the widely used "MARE" marine education curriculum with the Next Generation Science Standards \$36,277</p>
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Fiscal Year	Targeted Grants	Competitive Grants
2015/2016 \$753,000 Total	Adopt-A-Beach School Assembly Program and Kids' Cleanup Program \$100,000	<i>To be selected at February 2016 Coastal Commission meeting</i>
Funds avail. for targeted grants: \$324,000	Heal the Bay Adopt-A-Beach Program \$30,000 I Love A Clean San Diego Adopt-A-Beach Program \$29,640	
Funds in temporary reserve: \$30,000	Tides Center for School-Based Marine Education Program \$103,000	
Funds avail. for competitive grants: \$399,000	Beach Wheelchair Purchases \$5,760 California Exposition & State Fair "Beach Buddy Adventure" \$50,000	
Requests received: 106 totaling \$2,706,571	California State Parks Foundation for unrolling a high school curriculum on coastal science and policy \$5,600	

Attachment B: Competitive WHALE TAIL[®] Grant Proposals 2015/2016

<u>Organization Name</u>	<u>Project Title</u>	<u>City</u>	<u>Requested</u>
Acterra: Action for a Healthy Planet	ACCESS Project	Palo Alto	\$20,000
Action Network	Coastal Connections Across Ages and Cultures	Gualala	\$34,500
Agua Hedionda Lagoon Foundation	Environmental Stewardship Program for Low-Income Youth	Carlsbad	\$50,000
Algalita Marine Research & Education	Ship2Shore Program	Long Beach	\$10,000
American Cetacean Society	Whales as Individuals	San Pedro	\$47,500
Amigos de Bolsa Chica	FLOW (Follow and Learn about the Ocean and Wetlands)	Huntington Beach	\$33,120
Beach Ecology Coalition	Grunion Greeting in an El Nino Year	Malibu	\$21,285
Bolsa Chica Conservancy	Bolsa Chica Waterways Without Waste	Huntington Beach	\$30,000
California Exposition & State Fair	Mobile Outreach Project	Sacramento	\$50,000
California Marine Sanctuary Foundation	Protecting California's Coastal Resources	Monterey	\$25,413
California Marine Sanctuary Foundation	Children's Activity Booklet	Monterey	\$33,400
California Native Plant Society	Coastal Rare Plant Treasure Hunt	Sacramento	\$49,862
California State Parks, Asilomar State Beach	Asilomar State Beach Mobility Via Wheelchair	Pacific Grove	\$4,976
California State Parks, San Diego Coast District	Coastal Education and Environmental Monitoring	Encinitas	\$10,000
Call of the Sea	Bay Explorations & Voyage Seaward	Sausalito	\$31,378
Camp Ocean Pines	Educational Marine Touch Tank	Cambria	\$8,700
Carmel Public Library Foundation	Community Nights at the Library	Carmel	\$10,725
Central Coast Aquarium	Diving to Reach Underserved Students	Avila Beach	\$9,790
Children's Maritime Foundation	Long Beach Watershed Marine Science Program	Yorba Linda	\$9,500
City of Hayward	Water Pollution Education Center	Hayward	\$50,000
City of Newport Beach	Increasing Connections to Our Coast	Newport Beach	\$9,870
Clean Water Fund	Reducing Land-Based Sources of Marine Debris	Oakland	\$34,535
Coastside Land Trust	Junior Land Stewards Program	Half Moon Bay	\$39,000
Community Action Partnership of Kern	After-School Marine Studies Program	Bakersfield	\$15,888
Concordia University Irvine	Marine Lab & Educational Outreach Program	Irvine	\$33,543
County of Orange	Stormwater Ed. & Youth Video Surveys	Orange	\$19,870
Crystal Cove Alliance	Crystal Cove Coastal & Marine Field Science Initiative	Newport Coast	\$50,000

<u>Organization Name</u>	<u>Project Title</u>	<u>City</u>	<u>Requested</u>
Earth Team	Zero Litter Afterschool Internships at Antioch High	Berkeley	\$17,906
ExplorOcean	Operation Climate Change	Newport Beach	\$33,953
Friends of the Dunes	Coastal Education Revitalization & Expansion Program	Arcata	\$11,425
Friends of the Napa River	Riding the Tide: the Napa River Classroom	Napa	\$12,081
Golden Gate National Parks Conservancy	Coastal Marin County Youth Stewardship Days	San Francisco	\$16,558
Greater Farallones Association	At Your School - Climate Change	San Francisco	\$27,436
Humboldt Redwoods Interpretive Association	Usal Beach Restoration & Education Project	Weott	\$47,790
International Documentary Association	Coastal Trail Films	Los Angeles	\$50,000
Lincoln High School Green Academy	No More Plastic!	San Francisco	\$10,000
Living Coast Discovery Center	Ocean Explorers: Past, Present, Future	Chula Vista	\$36,266
Los Angeles Audubon Society	Ballona Wetlands Coastal Education Program	Los Angeles	\$49,883
Los Angeles Conservation Corps	Increasing the Diversity of California's Coastal Naturalists	Redondo Beach	\$33,644
Los Angeles Waterkeeper	Native American Coastal Youth Ambassadors Program	Santa Monica	\$38,500
Malibu Boys and Girls Club	Swimming in the Sea: Transforming Non-Swimmers	Malibu	\$24,433
Metwest High School, Oakland USD	Cross-Disciplinary Climate Change Solutions	Oakland	\$9,999
Mission Springs Outdoor Education	Ocean Education Project	Scotts Valley	\$14,625
Mountain and Sea Educational Adventures	Youth Marine Conservation Program	San Pedro	\$34,328
Museum Foundation of Pacific Grove	LiMPETS	Pacific Grove	\$27,950
Naked Whale Research	Whales to Web	Fort Bragg	\$23,150
NatureBridge	Inspiring Conservation Through Environmental Education	Newbury Park	\$20,100
Noyo Center for Marine Sciences	Orca Articulation Workshop	Fort Bragg	\$44,668
Ocean Discovery Institute	Ocean Science Explorers	San Diego	\$25,000
Ocean Institute	Earth's Changing Climate	Dana Point	\$46,550
One Cool Earth	San Luis Obispo County Watershed Project	Paso Robles	\$17,111
O'Neill Sea Odyssey	Transportation for Ocean Stewards	Santa Cruz	\$9,800
Orange County Coastkeeper	Clean Up OC	Costa Mesa	\$20,000
Outdoor Outreach	Coastal South San Diego Environmental Education & Stewardship	San Diego	\$9,500
Pacifica Beach Coalition	Adopt-A-Beach Public Education Programs	Pacifica	\$43,031
PADRE Foundation	Catalina Island Adventure Camp	Orange	\$7,500
Palos Verdes Peninsula Land Conservancy	Junior Naturalist Program	Rolling Hills Estates	\$9,975
Parkview Elementary School	Parkview Ocean Ambassadors	Port Hueneme	\$9,992
Peace Terrace Academy	Marine Biology & Discovery Ecotour	Fremont	\$3,088
Point Bonita YMCA	Coastal Connection Camp	Sausalito	\$35,000

<u>Organization Name</u>	<u>Project Title</u>	<u>City</u>	<u>Requested</u>
Resources for Indian Student Education	ROCK Stewardship at Pda Hua Camp	Alturas	\$33,568
Romberg Tiburon Center, San Francisco State	Students Set Sail for Science of the Sea	Tiburon	\$45,143
Rural Human Services	Raising Salmon in the Classroom	Crescent City	\$10,573
San Diego Coastkeeper	Training Tomorrow's Leaders	San Diego	\$10,000
San Elijo Lagoon Conservancy	Our Living Watershed	Encinitas	\$25,448
Santa Barbara Channelkeeper	Seafari Program: On-the-Water Experiential Education	Santa Barbara	\$6,500
Santa Barbara Museum of Natural History	Carbon Counts: Living on Thin Ice	Santa Barbara	\$49,246
Save Our Shores	Watsonville Wetlands & Monterey Bay Watershed Educ.	Santa Cruz	\$44,820
Save The Whales	Introducing Humphrey the Whale	Seaside	\$33,794
SCRAP Gallery	Cross-Cultural Marine Education & Honu Tortuga Project	Cathedral City	\$10,000
Scripps Institution of Oceanography/Regents of	MARES: Math and Research in Ecology at Scripps	La Jolla	\$23,214
Seven Tepees Youth Program	Project WAVES	San Francisco	\$25,096
SF International Ocean Film Festival	Free Student Education Program	San Francisco	\$15,000
Shark Stewards	Micro Plastics, Adopting Aquatic Park	Berkeley	\$9,270
Sierra Club Foundation, Los Angeles ICO	Launching the Next Generation of Marine Stewards	San Pedro	\$6,480
Sierra Streams Institute	Scaling Up: Climate Change Exchange	Nevada City	\$37,726
Sonoma County Regional Parks Foundation	Sonoma Coast Marine and Coastal Interpretation	Santa Rosa	\$25,420
Sonoma Ecology Center	Water Wonders	Eldridge	\$9,500
STAR, Inc.	Get Your Green On: Animal Style	Culver City	\$10,000
Stewards of the Coast and Redwoods	Sonoma Coast Mobile Marine Van	Duncan Mills	\$9,527
Surf Bus Foundation	Therapeutic Ocean Engagement - Surfing	Santa Monica	\$45,152
Surfrider - Huntington/Seal Beach Chapter	Beach Cleanups and Help Your Harbor	Seal Beach	\$24,300
Surfrider Foundation	Engaging California Youth in Coastal Pollution Reduction	San Clemente	\$26,869
The Nature Kid	The Ocean in Their Hands	Fountain Valley	\$8,000
The Ocean Foundation	Ocean Connectors	San Diego	\$8,000
The Watershed Project	Amazing Race: Journey to the Sea	Richmond	\$20,000
The Wildlands Conservancy	Eel River Estuary Preserve Coastal Education Program	Ferndale	\$17,902
Trails4All	"Wetlands on the Brink" - Restoring the Gospel Swamp	Paramount	\$30,000
UC Santa Barbara	People Involved in Climate Change Action on Sandy Beaches	Santa Barbara	\$49,999
Venice Arts	Our Ocean's Edge	Venice	\$17,927
Vida Verde Nature Education	Multi-Day Coastal Environmental Education	San Gregorio	\$50,000
WiLDCOAST	Youth MPA Citizen Science Cruise Project	Imperial Beach	\$30,000
TOTAL REQUESTED			\$2,332,571

