

CALIFORNIA COASTAL COMMISSION

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February 5, 2004

FROM: Peter Douglas, Executive Director
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Th4a

SUBJECT: **Proposed Awarding of Funds from Sales of the Whale Tail License Plate –
 Competitive Grants Program (for Coastal Commission Meeting on Feb. 19, 2004)**

SUMMARY OF STAFF RECOMMENDATION

Approve the following 24 competitive grants, which total \$381,000

Youth programs:

- Algalita Marine Research Foundation (\$18,647)
- Arena Union Elementary School District (\$10,000)
- California State Parks Foundation (\$14,400)
- Center for Environmental Education at Antioch New England Institute (\$15,125)
- Circuit Rider Productions (\$35,000)
- Concerned Resource & Environmental Workers (The CREW) (\$35,000)
- Golden Gate Audubon Society (\$10,000)
- Lawrence Hall of Science (\$39,350)
- Marin Conservation Corps (\$10,000)
- Monterey Bay Aquarium (\$25,000)
- Ocean Institute (\$10,000)
- Redwood Community Action Agency (\$26,740)
- Roosevelt School (\$6,627)
- San Diego BayKeeper (\$25,000)
- Sherman Heights Community Center (\$9,900)
- Sierra Club Foundation (\$2,080)
- Watsonville Wetlands Watch (\$9,380)
- YMCA Point Bonita (\$10,000)

Total=\$312,249

Programs for the general public:

- Aquatic Outreach Institute (\$9,884)
- Ecological Farming Association (\$3,867)
- Coyote Museum for Environmental Education (\$25,000)
- Point Reyes National Seashore Association (\$10,000)
- Santa Barbara Audubon Society (\$10,000)
- Sustainable Fishery Advocates (\$10,000)

Total=\$68,751

Subtotal small grants (\$10,000 and under): \$121,738 (32%)

Subtotal large grants (\$10,001 - \$50,000): \$259,262 (68%)

***Motion:* I move that the Commission approve the 24 competitive grants recommended by staff for Whale Tail License Plate funding (FY2003/04), and authorize the Executive Director to enter into the appropriate agreements.**

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 \$15.00 is deposited in the California Beach and Coastal Enhancement Account (CBCEA). Annual renewal fees deposit \$20.00 per plate into the account. Additional funds are deposited in the Environmental License Plate Fund (ELPF), which supports environmental programs in other state agencies. As of December 31, 2003, \$5.2 million has been raised for the CBCEA. A total of 97,000 Whale Tail plates have been sold. The Coastal Commission's FY2003/04 budget includes \$740,000 in funds from the CBCEA for grants to nonprofit organizations and government agencies for coastal and marine education and other related projects.

Targeted Grants for FY 2003/04

At its September 2003 meeting, the Commission voted to allocate the \$740,000 FY2003/04 grantmaking budget as follows: seven targeted grants totaling \$339,000, a temporary reserve of \$20,000, and the remaining \$381,000 for the competitive grantmaking program. For a listing of those seven targeted grants, and all other grants that have been funded through sales of the Whale Tail License Plate, see Attachment A.

The Competitive Grants Program for FY 2002/03

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

- a) strengthening and innovating year-'round *Adopt-A-Beach* programs;
- b) coastal and marine outreach and education for *youth*;
- c) coastal and marine outreach and education, as well as beach and other coastal habitat improvement activities, for adults and the *general public*.

The staff began publicizing the grant program in September. The deadline for submittal of grant applications was November 15, 2003. 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 of up to \$10,000. The staff received 150 grant applications, which requested a combined total of \$3,231,508. Attachment B is a list of the applicants, project titles and amounts requested for all grant proposals submitted for this funding cycle.

Selection Criteria

The staff evaluated the applications using the following criteria, approved by the Commission in 1998:

1. Educational (or Coastal Habitat Improvement) Component: Projects funded under this program should have a strong, high-quality educational or habitat improvement component involving the marine or coastal environment. Projects that reach audiences that are not otherwise reached (greater need) are especially encouraged.
2. Project Concept: We seek sound, creative, innovative and cost-effective approaches that are potentially expandable or applicable in other geographic areas.
3. Proposal Content: The proposal itself should demonstrate that the concept has been fully thought out and developed into a concrete project with clearly stated goals, objectives, project design, method of implementation and evaluation, and accurate cost information. The organization's track record and the likelihood that a project will be successfully completed are also considered.

Staff also looked for projects that would have a life beyond the term of the grant, and projects that were geographically distributed throughout the state.

Staff Recommendation:

The staff recommends that the Commission fund the 24 programs listed below (\$381,000 total).

Staff Recommendations for Competitive Whale Tail Grant Awards for FY2003/04

1. Algalita Marine Research Foundation **\$18,647**

Project Title: *Plastics Are Forever: An Educational Pilot Project*

Project Location: *Los Angeles County*

Project Timeline: *May 2004 to April 2005*

Total Project Budget: *\$18,647*

Estimated number of people served by the project: *60 ninth-graders plus fellow students and parents*

The Algalita Marine Research Foundation (AMRF) was founded in 1994 and focuses on research and education regarding plastic pollution in the Pacific Ocean. The organization is based in Long Beach and is perhaps best known for studies in the so-called "Garbage Patch" of the ocean's North Pacific Gyre, which concluded there is six times the mass of plastic as plankton in those waters.

AMRF is proposing to start a pilot project featuring a comprehensive study program for a focused group of at-risk students. Ninth-grade students at the Environmental Charter High School in the inner-city community of Lawndale would take a dozen field trips to the S.E.A. Laboratory in Redondo Beach. The S.E.A. Lab is where AMRF analyzes the plastic found in the middle of the Pacific Ocean and elsewhere, but is also an educational facility for students operated by the Los Angeles Conservation Corps. The youth from Lawndale would receive laboratory instruction and analyze sand samples for plastic content. They would also be learning about watersheds, storm drains, recycling, and plastics in their classroom; would receive a lecture from Captain Charles Moore, the founder of AMRF; and would trawl for plastic debris and plankton aboard the ocean research vessel, the *Alguita*. After their trip aboard the boat, the students would create presentations for their school's teachers, parents, and fellow students. AMRF intends for this program to continue at the school in the future.

2. Arena Union Elementary School District **\$10,000**

Project Title: *Clean Waves, Clean South Mendocino Beaches*

Project Location: *Point Arena*

Project Timeline: *March 2004 to December 2004*

Total Project Budget: *\$11,653*

Estimated number of people served by the project: *200 students + members of the public*

The Arena Union Elementary School District employs a coordinator for the North Coast Rural Challenge Network, which is made up of four rural school districts in Mendocino County that involve their students in place-based projects improving their communities. This proposed project would involve six classes at five middle and high schools (including one continuation school) in Point Arena and Gualala. Students would adopt local beaches running from Manchester Beach south to the Gualala River and would conduct beach cleanups and monitor the water quality at outfalls there. As water quality is not normally monitored in this area, the results would be shared with state and local agencies as well as the public. Some of the outfalls are suspected of high bacteria counts. Students would also map the outfalls, interview a city sanitation engineer, and take part in Coastal Cleanup Day in September. They would work with a professional artist to create a display at the Point Arena Wharf educating the public on how plastic marine debris harms the albatross. Activities would be accompanied by classroom lessons on ocean habitats.

A grant from the Coastal Commission would pay for water testing equipment, travel to the coast, and project coordination.

3. California State Parks Foundation \$14,400

Project Title: *Coast Alive!*
Project Location: *Santa Barbara, Ventura, Los Angeles, Orange, San Diego counties*
Project Timeline: *March 2004 to June 2005*
Total Project Budget: *\$702,100*
Estimated number of people served by the project: *50,000*

The California State Parks Foundation is partnering with the California Institute for Biodiversity to develop a multi-media environmental education program called "Coast Alive!" The program will provide instruction on marine ecology and the importance of conservation in an interactive way for students in grades 5-9 using CD-ROMs with video, animation, graphics, and other engaging features. The curriculum will meet State Content Standards in science, math, social sciences, and language arts. In addition to their classroom lessons, students will also take part in field studies and stewardship projects at coastal, wetland, and riparian habitats managed by California State Parks or the State Coastal Conservancy. Field studies will include investigating such things as water and soil quality, sand crab behavior, and plant and animal populations. Stewardship activities will include habitat restoration, removal of non-native plants, erosion control, or cleanups.

"Coast Alive!" will also provide printed instructional guides and in-depth workshops for teachers. As a collaborative program, staff from State Parks and the Coastal Conservancy will help teach students and teachers, and the Coastal Conservancy has provided the project with a \$250,000 grant. Funds from the Coastal Commission would support separate costs including development of field study activities and transportation to field study sites for underserved schools.

4. Center for Environmental Education at Antioch New England Institute \$15,125

Project Title: *Peer Partners in Environmental Education*
Project Location: *Los Angeles*
Project Timeline: *April 2004 to December 2004*
Total Project Budget: *\$48,500*
Estimated number of people served by the project: *1,820*

The Antioch New England Institute is an environmental and educational consulting organization within Antioch New England Graduate School in New Hampshire. The Center for Environmental Education was founded in southern California in 1989 and became a program of the Institute in 1998. The Center provides printed materials, small grants, and other resources to people teaching environmental education.

Peer Partners is a mentoring program in which high school students receive training in an environmental topic. They are paired with neighboring elementary schools and present the topic they studied to the younger children. While learning about a local environmental issue, the older students also fulfill community service requirements and act as role models for the younger students. As a result of their experiences, many students also consider a future in environmental issues or teaching, and are empowered by their experience as a positive role model.

A Whale Tail Grant would enable approximately 195 students at five different inner-city Los Angeles high schools to participate in the program. All students would be divided into teams of three and pick an environmental topic relating to the importance of the ocean. The teams would then create their own lesson plans and deliver them to an estimated total of 1,625 students at five different inner-city elementary schools.

5. Circuit Rider Productions \$35,000

Project Title: *Endangered Marine Resources – Youth Education and Restoration Project*

Project Location: *Sonoma County*

Project Timeline: *June 2004 to August 2005*

Total Project Budget: *\$139,350*

Estimated number of people served by the project: *90 high school students + 430 community members*

Circuit Rider Productions is based in northern Sonoma County and operates both human service and ecological programs. The Ecological Services Division assists landowners in designing and implementing restoration and enhancement projects that result in sustainable ecosystems. This division also offers environmental education and community outreach, including the school-based Watershed Science Program that is the subject of this grant proposal.

Over the period of a year, 90 high school students would meet each week to study topics including marine and stream ecology, local land use issues, field research techniques, salmonid biology and habitat requirements, and native plant collection and propagation. The students in the program would be divided into four groups, three of which would be made up of youth in alternative education programs who are considered to be at-risk.

Most of the classes would take place in the field, and the students would work at 8-12 sites belonging to private landowners to restore and enhance habitat for coho salmon, chinook salmon, and steelhead trout. In addition, six public planting events are expected to attract 180 elementary students, along with their parents and teachers. Students would also be required to help organize and make presentations and teach revegetation techniques at community restoration workshops in the Russian River watershed. Through these activities, student develop leadership abilities along with their knowledge and skills in the field of natural resources.

6. Concerned Resource and Environmental Workers (The CREW) \$35,000

Project Title: *Restoration and Youth Employment Program*

Project Location: *Ventura County*

Project Timeline: *May 2004 to April 2005*

Total Project Budget: *\$51,130*

Estimated number of people served by the project: *85*

The CREW was founded in 1991 as a nonprofit environmental employment program for young people aged 14-21. While developing skills, work experience, and knowledge of outdoor habitats, program participants perform such tasks as restoring habitat, constructing trails, removing litter, and building fire breaks.

The CREW is proposing to employ 85 teens and young adults from primarily rural and low-income Ventura County towns to restore steelhead trout habitat on the North Fork Matilija Creek, a tributary of the Ventura River. They would remove debris such as cars and refrigerators from the creek to clear passageways for migrating fish; revegetate eroding stream banks to reduce sediment in the water; weed non-native plants along the creek and the scenic highway in the area; and plant native species to improve habitat and increase cover for the fish.

A grant from the Coastal Commission would pay for part-time wages for the youth, supervision of the crews, hauling and recycling costs, equipment, and other program expenses. It would also pay to transport the participants to the work sites from where they live in communities such as Fillmore, Santa Paula, and Ojai Valley.

7. Golden Gate Audubon Society \$10,000

Project Title: *Inner-City Marine Ecology Project for Families*

Project Location: *East Oakland*

Project Timeline: *May 2004 to August 2005*

Total Project Budget: *\$10,000*

Estimated number of people served by the project: *500*

Golden Gate Audubon Society operates the Martin Luther King, Jr. Environmental Education Program in the inner-city community of East Oakland. A component of this program piloted last year was the Marine Ecology Project for elementary students and their parents. Golden Gate Audubon is proposing to repeat and strengthen this project to teach community members about the marine environment and how their actions affect wildlife in the San Francisco Bay and in the ocean.

In the fall, classroom presentations and fieldtrips to Arrowhead Marsh on the bay would cover watersheds, ecology, the importance of a healthy marsh, and the marsh's connection to the marine environment. In the winter, after-school marine ecology programs would be offered for students and their parents on topics such as tidepools and the importance of conservation. In the spring, weekend family field trips would take the children and their parents to coastal locations such as Muir Beach and Fitzgerald Marine Reserve for lessons on marine wildlife, their habitats, ocean floor geology, bird watching, water quality monitoring, safe fish consumption, and environmental stewardship. Family members would also hike, go tide-pooling, and conduct beach cleanups.

Participants in this program have often never visited the ocean before, and many of the parents would not otherwise meet their child's teacher. A total of 14 elementary school classes would participate. The students and their parents are largely African-American and Latino; half are bilingual so the program is offered in both English and Spanish. A Whale Tail Grant would pay for staff time, educational materials, and buses for field trips.

8. Lawrence Hall of Science \$39,350

Project Title: *MARE Sea STAR*

Project Location: *San Francisco Bay Area*

Project Timeline: *June 2004 to August 2005*

Total Project Budget: *\$40,710*

Estimated number of people served by the project: *24 + 1,080 additional students + public visitors*

The Lawrence Hall of Science at UC Berkeley operates the highly successful MARE Program (Marine Activities, Resources and Education), a multidisciplinary, whole-school study and celebration of the ocean featuring an inquiry-based curriculum and extensive teacher training. Program staff is requesting seed money to develop a component called "MARE Sea STAR (Students, Teachers, and Researchers)." It would involve teaching student-teacher pairs from 12 low-performing Bay Area high schools about marine invasive species. The 12 pairs would attend an all-day workshop with instruction provided by MARE staff as well as a professional research scientist. The teachers would receive materials to bring back to their classes so they could teach the subject themselves. The student-teacher teams would then attend a six-day residential program at UC Davis' Bodega Marine Laboratory in Sonoma County, practicing techniques to observe and identify the invasive species and learning how to contain or eradicate them. They would take part in field work, lab studies, lectures, and discussions and conduct focused research using the lab's facilities.

At the end of the project, there would be a "MARE Sea STAR Summit" at the Lawrence Hall of Science to raise public awareness about the potential for damage caused by marine invasive species. The student-teacher teams and professional scientists would make presentations, and the event would also feature colleges and universities sharing information on their marine science programs to prospective students. Marine conservation and education organizations would also display their programs and share opportunities for involvement.

9. Marin Conservation Corps \$10,000

Project Title: *Project ReGeneration: Youth Service for Our Oceans*

Project Location: *San Rafael*

Project Timeline: *March 2004 to September 2005*

Total Project Budget: *\$253,375*

Estimated number of people served by the project: *200 Corpsmembers + 2,000 students + 300 volunteers*

The Marin Conservation Corps (MCC) provides job training to diverse at-risk youth who conduct environmental services while studying to earn a high school diploma, GED, or college credit. Project ReGeneration offers recycling education, habitat restoration activities, and environmental science education. MCC is interested in expanding this program beyond its recycling focus and emphasizing service for the oceans.

MCC is proposing to engage 200 Corpsmembers aged 11-18 who would take part in an intensive four-week program emphasizing protecting and restoring aquatic environments. Youth would receive instruction about local marine and estuarine environments and would engage in various service projects such as vegetation restoration in riparian corridors, transporting coho salmon and steelhead trout from pools that are drying up to pools with more water, and helping monitor elephant and harbor seals. In the spring prior to that, they would receive training and then make presentations to K-12 students on ways people can improve the health of local coastal environments. The third component of this project would be for MCC to lead five community service events for public volunteers that would enhance the coastal or marine environment, including a coastal cleanup.

Coastal Commission funding would support the cost of educational materials and supplies, restoration and cleanup tools, water quality monitoring equipment, publicity materials, travel to service sites, and project supervisors' staff time.

10. Monterey Bay Aquarium Foundation \$25,000

Project Title: *Young Women in Science*

Project Location: *Monterey*

Project Timeline: *March 2004 to April 2005*

Total Project Budget: *\$81,693*

Estimated number of people served by the project: *70*

The Monterey Aquarium's Young Women in Science program engages middle school girls in scientific activities during two five-day summer camp sessions and three follow-up sessions during the school year. The scientific activities revolve around the natural resources of Monterey Bay and include visits to a kelp forest (via kayak), rocky shore, mudflats, tidepools, and beaches. The life science content of their studies includes cell biology, evolution, extinction, ecology, and biodiversity. They also help with a dune restoration project at Moss Landing and research one of two topics: either the "Sea Otter Mystery," which focuses on why southern sea otters are increasingly dying off, or "Alien Invaders," which examines the problem of invasive marine species. Scientists from institutions such as Moss Landing Marine Labs help mentor and instruct the girls. The three follow-up sessions during the school year are: returning to their dune restoration site with their families; visiting a meeting of the Aquarium's Student Oceanography Club; and finally, attending a daylong conference at San Jose State University for 700 teen girls to expose them to career opportunities and women who work in different scientific fields.

A grant from the Coastal Commission would allow 70 girls to take part in this program. They would be from Santa Cruz, San Benito, and Monterey counties. They would primarily be Latina and speak English as a second language. The program is taught in both English and Spanish.

11. Ocean Institute**\$10,000**

Project Title: *"One Tier Back" Watershed Education Program*
Project Location: *Dana Point*
Project Timeline: *April 2004 to June 2005*
Total Project Budget: *\$70,345*
Estimated number of people served by the project: *250*

The Ocean Institute is requesting funding to support a watershed education program for fifth-grade students who are "once removed" from the coast; i.e. five to twenty miles away. The targeted schools would all have a high proportion of underserved students in inland Orange County. The Ocean Institute is located at Dana Point Harbor, offers hands-on marine science and maritime history programs, and features an extensive new Ocean Education Center.

The first part of the Watershed Education Program would feature a day-long visit to the Ocean Institute to take part in the Surfscience Laboratory and Field Program. The children would study such topics as the ocean, watershed science, water quality and pollution, currents and tides, and research techniques. They would also take a ride on the *Sea Explorer* research vessel, which features different scientific learning stations on board. Afterwards, they would spend several months at their schools conducting environmental research projects. Their teachers would receive training and ongoing support from Ocean Institute staff. The goal of the projects would be to teach the students how to effect change to protect the ocean. Then all the students would return to the Ocean Institute for a large Kids' Conference to present their projects to the other students as well as to city council members, water district administrators, and scientists. They would also give their presentations at school assemblies and would receive assistance to produce community education materials.

A Whale Tail Grant would allow the program to expand to a greater number of targeted, underserved schools and add 250 students to the program, resulting in a total of 600 youth participants.

12. Redwood Community Action Agency**\$26,740**

Project Title: *Stream Reaches to Coastal Beaches: Community-Based Water Quality Monitoring and Education*
Project Location: *Eureka and Arcata*
Project Timeline: *March 2004 to June 2005*
Total Project Budget: *\$53,746*
Estimated number of people served by the project: *150 students + community volunteers*

The Natural Resources Division of the nonprofit Redwood Community Action Agency (RCAA) is requesting funding to provide watershed and coastal ecology education to high school students, who would then develop a "Stewardship Action Plan" for their city and help organize water quality monitoring events for the public. The program would emphasize the connection between nonpoint source pollution and the water quality of Humboldt Bay, its tributaries, and the surrounding marine environment. The students would be from Eureka High School, Arcata High School, and continuation schools in the area that serve at-risk teens.

Classes would take place over the course of a semester, consisting of eight lessons at school plus two full-day field trips at urban streams and coastal settings. All students would also come together for a training day to work together at a ropes course challenge and receive technical instruction on water quality monitoring methods. Citizen volunteers, public representatives, and water quality professionals would also attend the training. Participants would measure water quality during either "First Flush" in the fall (water sampling after the first significant rain of the season) or "Snapshot Day" in the spring (water sampling on a specific date identified statewide). RCAA is already a regional coordinator for those two monitoring events. The students would share their data and findings at a public City Hall event, where they would also present their "Stewardship Action Plan" recommending steps their cities could take to reduce storm water runoff.

13. Roosevelt School \$6,627

Project Title: *Watershed Warriors/Environmental Education Center*

Project Location: *Salinas*

Project Timeline: *March 2004 to June 2004*

Total Project Budget: *\$8,525*

Estimated number of people served by the project: *80 (plus rest of the school community)*

A teacher of a bilingual fifth grade class at Roosevelt School is proposing to involve two fifth-grades classes in growing native plants, conducting habitat restoration, and taking field trips to learn about their watershed. The fifth and sixth grade "Newcomers' Class" of recent Mexican immigrants would also take part in the field trips. Roosevelt School serves a high proportion of students whose parents are migrant workers, and 90 percent of the children qualify for a free or reduced-price breakfast and lunch.

The school would receive assistance from the Return of the Natives Program, whose staff would help build a greenhouse at the school for growing native plants to be used for restoration projects and organic vegetable seedlings for local farmers. The greenhouse plus a previously created native plant garden constitute the school's environmental education center, which would host activities for the entire student body and be toured by the public on community event days. The fifth-graders would take part in urban wetland and dune restoration projects and would study endangered species in the classroom. The student field trips would feature different habitats along the Salinas River, from its source, through ranchland and riparian areas, and out to Elkhorn Slough and Point Lobos. They would also include trips to learn about wastewater treatment and irrigation.

14. San Diego BayKeeper \$25,000

Project Title: *Project SWELL*

Project Location: *San Diego*

Project Timeline: *March 2004 to February 2005*

Total Project Budget: *\$191,875*

Estimated number of people served by the project: *40,000*

San Diego City Schools, the City of San Diego, San Diego BayKeeper, and other organizations are all collaborating to produce a water quality and pollution prevention curriculum called Project SWELL (Stewardship: Water Education for Lifelong Leadership). San Diego City Schools has made the commitment that its teachers will be required to implement it as it becomes available for different grade levels. Currently it is being rolled out for fifth grade classrooms, and BayKeeper is requesting funding to add units for three more levels in 2004, tentatively kindergarten, second, and sixth grades. The long-term goal is to have this curriculum taught throughout a student's academic career, in hopes of creating a sense of ownership of natural resources and a conservation ethic to address the serious water quality problems currently found in San Diego Bay.

Project SWELL will provide instruction on watershed lessons including point and nonpoint source pollution; riparian, wetland, and marine ecosystems; sources of water; pollution prevention; water conservation; and San Diego watersheds. Developing the curriculum involves compiling existing information and adding San Diego-specific content to modules of an already existing, hands-on FOSS (Full Option Science System) curriculum originally developed at UC Berkeley.

Coastal Commission funding would pay for educational materials for inclusion in the curriculum and accompanying kits. It would also pay for a project manager who is coordinating the Education Subcommittee guiding the curriculum's development and teacher training.

15. Sherman Heights Community Center **\$9,900**

Project Title: *Viva Ciencia Environmental Education & Beach Conservation Program*
Project Location: *San Diego*
Project Timeline: *June 2004 to May 2005*
Total Project Budget: *\$28,635*
Estimated number of people served by the project: *50 youth + 400 community members*

Sherman Heights is a neighborhood in San Diego where 98 percent of residents live in poverty and three-quarters speak Spanish with limited English capability. The Community Center received a three-year grant from the State to support after-school science education and homework tutoring through May 2004. A Coastal Commission grant would enable the program to continue past that time, and support additional watershed activities.

Through the proposed program, children in grades 6-9 would learn about water resources, the watershed, nonpoint source pollution, and its impact on San Diego Bay and ocean beaches. They would "adopt" the beach at nearby Cesar E. Chavez Park, learn about its ecosystem, and lead a community beach cleanup there. They would conduct water quality tests at the storm drains emptying into the Bay next to the park. In conjunction with their art classes, they would create beach and aquatic-themed artwork and display it at the Community Center. In conjunction with their computer training classes, they would create a PowerPoint presentation for the program's final event of the year, the "Noche Cultural de Ciencia" (Science Evening) for parents and other members of the community. They would also conduct more community education at a "Water Celebration" event at Chavez Park, where they would exhibit their artwork and set up displays on the results of their water quality testing and how adults can prevent nonpoint source pollution.

16. Sierra Club Foundation **\$2,080**

Project Title: *Orange County Inner City Outings*
Project Location: *Santa Ana*
Project Timeline: *April 2004 to June 2005*
Total Project Budget: *\$4,340*
Estimated number of people served by the project: *20*

The Sierra Club operates the Inner City Outings program in many locations in the United States to provide wilderness adventures for young people who would not otherwise participate in them. The program is intended to promote personal growth as well as appreciation and protection of the environment. Orange County's program is proposing to work with a group of 12-14 year-olds primarily from Santa Ana. Ninety percent are Latino, all are low-income, and all have been expelled from a previous school for drug dealing or behavioral problems.

The youth would take part in six different outings to Orange County locations such as Crystal Cove, Upper Newport Bay, and Trestles Marsh. They would be trained to conduct coastal conservation activities including water quality testing, mapping, trail sign design, and habitat restoration. The outings would be supplemented with educational materials. At the conclusion of the program, the youth would select a local coastal conservation issue and make team presentations to motivate audience members from another youth agency or school to participate in one action such as a coastal cleanup or restoration activity.

A Whale Tail Grant would support expenses related to transportation and supplies. The program is run by volunteers.

17. Watsonville Wetlands Watch **\$9,380**

Project Title: *The Cycle of Restoration of the Watsonville Wetlands – Phase II*

Project Location: *Watsonville*

Project Timeline: *March 2004 to May 2005*

Total Project Budget: *\$16,170*

Estimated number of people served by the project: *660*

Watsonville Wetlands Watch (WWW) currently has a Whale Tail Grant to work with Amesti School in the Pajaro Valley to collect native plant seeds, grow seedlings in a greenhouse, and plant them in a freshwater wetland that empties into the Watsonville Slough, which drains to the Monterey Bay Marine Sanctuary. Students at this school are primarily low-income and Latino, sometimes from migrant farmworker families. Students in grades 1-4 take part in propagating 3,000 native plants a year, and fifth-graders work on the restoration of wetland and upland habitats, which is taking place on 110 acres on the west branch of Struve Slough Ecological Reserve. While at the wetland, they also visit docent-led stations to take part in learning about Native American culture, water quality testing, bird watching and identifying plants, and art and writing activities.

WWW is requesting a second year of funding to bridge the gap between the Coastal Commission's first grant period and 2005, when a permanent Wetlands Resource and Education Center will open with dedicated staffing. During this second phase, a new group of fifth-grade students would participate at Amesti School, and a docent training program would be implemented in order to meet increased demand from other schools in the district that have heard about this successful program and would like to take part as well. Some of the docents would be bilingual. The docents would receive instruction on relevant topics involving wetlands, sloughs and restoration, and would practice leading activities under supervision before running programs on their own. This grant would also support creating more presentations for the docents to give in schools, and compiling a resource binder for teachers on wetland education.

18. YMCA Point Bonita **\$10,000**

Project Title: *Kids-to-Coast Project*

Project Location: *Marin Headlands*

Project Timeline: *March 2004 to June 2004*

Total Project Budget: *\$10,000*

Estimated number of people served by the project: *1,500*

The YMCA Point Bonita has been operating its Outdoor Education program since 1990. The program serves youth primarily in grades 3-7 from all over northern California. The participants stay at this coastal YMCA in the Golden Gate National Recreation Area for one to five days. They engage in environmental education activities such as tidepooling, beach cleanups, and fun, interactive lessons on topics including oceanography, geology, plant identification, animal adaptations, food webs, erosion, waves, and watersheds.

Normally, the Outdoor Education program charges fees to participating students. The Kids-to-Coast Project provides the opportunity for students to attend the program when they otherwise would not have the financial means to do so. A \$10,000 grant from the Coastal Commission would offset the expenses for naturalists running the programs, thereby allowing as many as 1,500 youth to attend the program for free or reduced costs. The youth would be from a range of underserved, inland communities including urban areas and farming communities.

In addition, the staff is recommending adding a condition to this grant so that another applicant this year, Edna Brewer Middle School in inner-city Oakland, be included in the financial assistance provided by this funding to YMCA. The school applied for a Whale Tail Grant to support the costs of its students attending the YMCA's Outdoor Education program.

19. Aquatic Outreach Institute \$9,884

Project Title: *Bayshore Stewardship Program*
Project Location: *Richmond*
Project Timeline: *April 2004 to June 2005*
Total Project Budget: *\$35,639*
Estimated number of people served by the project: *1,085*

The Aquatic Outreach Institute (AOI) is a nonprofit organization working at UC Berkeley's Richmond Field Station, located on 100 acres of marsh and upland habitat along the Bay Trail. The marsh is currently being excavated, regraded, revegetated and weeded in conjunction with a project to remediate the area due to industrial contamination. AOI wishes to expand the public education opportunities available as this effort takes place.

The Bayshore Stewardship Program would offer bimonthly restoration workdays for community members; bimonthly litter cleanups for the general public, which would include educational presentations; presentations at UC Berkeley environmental studies classes to inform and recruit students; monthly seminars at the Field Station on topics such as marine and marsh ecology for UC Berkeley undergraduates, who would then teach the material to high school students; and classroom studies and field trips for elementary students. The elementary schoolwork would be led in partnership with the organization Kids for the Bay. All students and community members would be targeted from the underserved area of West Contra Costa County where the Richmond Field Station is located, and whose residents usually have little experience visiting marshland.

20. Coyote Point Museum for Environmental Education \$25,000

Project Title: *"Sounds of the Sea" Traveling Exhibit and Education Components*
Project Location: *San Mateo*
Project Timeline: *March 2004 to September 2004*
Total Project Budget: *\$77,492*
Estimated number of people served by the project: *30,000*

The Coyote Point Museum is requesting funds to present a "Sounds of the Sea" exhibit, produce an accompanying bilingual exhibit and activities guide for families, and create a permanent marine discovery room for children. This interactive exhibit was originally developed by the New England Aquarium and would travel to San Mateo to be staged there. It includes different underwater sounds such as humpback whales and snapping shrimp, the ways in which underwater creatures use sound, and the ways in which human-made sounds harm marine wildlife. It also features samples of sounds from inanimate objects such as creaking icebergs, beating oil rigs, and underwater earthquakes.

To accompany this exhibit, museum staff plan to create a guide for families with descriptions of the exhibit, questions to consider, a scavenger hunt, a glossary, and suggested activities to conduct at home. The guide will be bilingual in order to reach the many Latino families who regularly visit Coyote Point Recreation Area where the museum is located. Museum staff would also create a permanent marine and coastal discovery room called the "Kids Aqua Space." It would feature marine specimens, books, a puppet theater, CD-ROMs, other different interactive stations, and a collection of environmental education community resources and suggestions of things people can do to protect the marine environment. "Marine Fables" storytelling time would be offered weekly to pre-schoolers. When the exhibit leaves, the "Aqua Space" would remain in the museum's coastal ecosystem area.

21. Ecological Farming Association \$3,867

Project Title: *Farms and Fishes Bus Tour*
Project Location: *Monterey and Santa Cruz Counties*
Project Timeline: *March 2004 to June 2004*
Total Project Budget: *\$6,168*

Estimated number of people served by the project: *100 + 100,000 newspaper readers*

The Ecological Farming Association (EFA) was founded by farmers in 1980 in order to promote the development of ecologically-based food systems. The association educates farmers, consumers, and policy makers about agriculture, ecological food production, and human health and organizes many conferences, tours, and public events.

EFA is proposing to lead a day-long bus tour on the Central Coast regarding sustainable farming and fishing and their link to the coastal and marine environments. The tour would be complemented by a large media outreach effort. One hundred Monterey and Santa Cruz County residents, policy makers, and members of the media would take the tour and learn about how the purchase of sustainable and locally produced food supports the health of the Central Coast. They would visit: the Monterey Bay Aquarium for a lesson on watersheds, the Monterey Bay National Marine Sanctuary, and the impact of farming and fishing effluents; a sustainable winery in Carmel Valley that works to prevent soil and pesticides from entering waterways; an organic vegetable and flower farm in Carmel Valley; fishermen at Moss Landing who will discuss their sustainable fishing practices; and a Pajaro Valley fruit farm where producers are also preventing environmental side effects and can discuss the impact of agriculture on the local watershed.

The tour and its accompanying media stories would educate consumers and policy makers about purchasing choices they can make to support environmentally healthy food production practices. A Whale Tail Grant would support bus rentals, advertising and outreach, and project coordination.

22. Point Reyes National Seashore Association \$10,000

Project Title: *Coastal Protection Docent Program*
Project Location: *Point Reyes*
Project Timeline: *March 2004 to September 2004*
Total Project Budget: *\$13,742*

Estimated number of people served by the project: *2,000*

Several years ago, biologists at the Point Reyes National Seashore discovered that Western Snowy Plover chicks were dying at one and half times the normal rate during the weekends, when visitors came to the beach. In 2003, a pilot program during breeding season established a position for an interpreter to provide education to visitors at the beach on weekends and holidays. A data analysis at the end of the season concluded that very few chicks died on the weekends when the interpreter was present. Because of these positive results, the Point Reyes National Seashore Association is requesting funding to continue educating the public during weekends between Memorial Day and Labor Day 2004, when the plovers are most likely to be disturbed by human activity.

Since there is no National Park Service funding available to hire staff to lead educational programs, Coastal Commission funding would pay for a seasonal staff person to recruit and train volunteer docents and lead a program to talk to the public about the California coastal dune system and the habitat and biology of the threatened Snowy Plover. The docents would also distribute leashes for dogs, hand out pamphlets, patrol restricted areas, and help monitor the birds.

23. Santa Barbara Audubon Society**\$10,000**

Project Title: *Snowy Plover Docent Program*
Project Location: *Isla Vista*
Project Timeline: *June 2004 to May 2005*
Total Project Budget: *\$26,968*
Estimated number of people served by the project: *4,000*

The Santa Barbara Audubon Society started the Snowy Plover Docent Program in Coal Oil Point Reserve at UC Santa Barbara in the summer of 2001. After one year of the program, disturbances of this threatened bird dropped 90%, the number of wintering plovers increased 25%, and nesting and breeding at the site began again. Previously, Snowy Plover breeding had not occurred at the site since the public was allowed access there over 30 years ago. The docent program uses volunteers to educate beachgoers about Snowy Plovers, their history, how to recognize them, and how to minimize disturbances to them.

A Whale Tail Grant last year supported the continuation and expansion of the docent program through recruiting and training more docents, conducting education at the beach, and making presentations to school and community groups. During the grant period, the number of breeding adult plovers and the number of successfully fledged chicks more than doubled between 2002 and 2003. A second Whale Tail grant to this organization would support the continuation and further development of this successful docent program. Grant funding would support an education and outreach coordinator, educational materials, equipment, and publicity to recruit docents.

24. Sustainable Fishery Advocates**\$10,000**

Project Title: *Seafood Sustainability Education at the Point of Sale*
Project Location: *San Francisco Bay Area*
Project Timeline: *April 2004 to April 2005*
Total Project Budget: *\$50,000*
Estimated number of people served by the project: *2,300 per month*

Sustainable Fishery Advocates (SFA) was started in 2002 by two graduate students in the Ocean Sciences Department at UC Santa Cruz. SFA seeks to educate consumers, distributors, and retailers about sustainable fishery issues in order to decrease unsustainable fish harvesting and create a market for sustainably harvested seafood, thereby rewarding fishers who using sustainable methods. In 2003 the organization launched its first point-of-sale education effort at five New Leaf Community Markets in the Santa Cruz region. SFA is now hoping to repeat that success at another market chain, still to be identified, in the San Francisco area.

The campaign would involve adding educational labels at a store's fish counter that tell consumers where the fish is from, how it was caught, and its "overall sustainability ranking," which is color-coded based on the rankings of the Monterey Bay Aquarium's Seafood Watch program. The campaign would also involve a training session for seafood counter staff, educational materials for employees and customers, media outreach surrounding the program's kick-off, and staffed information tables at the markets during the first week of the program. SFA tracks seafood sales during their campaigns to assess their effectiveness. The pilot program in the Santa Cruz area concluded that the sale of unsustainable seafood decreased, the sale of sustainable seafood increased, and the stores sold more seafood altogether.

A \$10,000 grant from the Coastal Commission would support the cost of working with one market chain for a year. SFA hopes to work with a total of five chains.

| Fiscal Year | Targeted Grants | Competitive Grants: Whale Tail Grants for Coastal Education | Competitive Grants: Adopt-A-Beach Grants |
|---|---|--|---|
| 1998/1999 \$130,000 Total Funds avail. for targeted grants: \$87,000 Funds avail. for competitive grants: \$43,000 Requests received: 88 totaling \$578,441 | California State Parks Foundation for Coastal Cleanup Day mini-grant program \$11,500 Malibu Foundation and I Love a Clean San Diego for Adopt-A-Beach School Assembly Program and Earth Day Kids' Cleanup Program in LA, SF and San Diego \$28,000 Foundation of California State Monterey Bay for start-up funds for S.E.A.Lab, Monterey Bay \$25,000 Los Angeles County to purchase nine beach wheelchairs \$22,500 | Cal. State Parks and Recreation Ventura Junior Lifeguards for the Channel Islands Coastal Experience Camp for "At Risk" Youth \$6,238 Slide Ranch for the Kid's Ecology Learning Project (KELP), Muir Beach, Marin County \$10,000 Palisades Charter High School for its Marine Education and Advocacy Program, Los Angeles \$2,417 Surfrider Foundation, Santa Cruz Chapter for its Education Outreach Expansion Program \$4,345 | Yosemite National Institute for its Adopt-A-Beach Program in the Marin Headlands \$6,670 Northcoast Environmental Center for its Adopt-A-Beach Outreach and Enrollment in Humboldt County \$6,650 Heal the Bay for its Adopt-A-Beach Program in Los Angeles County \$6,680 |
| 1999/2000 \$130,000 Total Funds avail. for targeted grants: \$84,500 Funds avail. for competitive grants: \$45,500 Requests received: 55 totaling \$366,304 | Foundation of California State Monterey Bay for S.E.A.Lab, Monterey Bay \$45,000 California State Parks Foundation for Coastal Cleanup Day mini-grant program \$11,500 Adopt-A-Beach School Assembly Program and Earth Day Kids' Cleanup Program \$28,000 | Ventura Junior Lifeguards for the Channel Islands Coastal Experience Camp \$9,993 Chaffee Zoological Gardens, Fresno for the Wild Connections Lab, Oceans Component \$7,230 San Mateo Office of Outdoor Education for Ocean Odyssey \$7,842 Solana Recyclers, Encinitas for the Student Environmental Action and Leadership Program \$5,968 | Department of Parks and Recreation, San Onofre State Beach \$5,840 Heal the Bay, Los Angeles \$8,627 |

| Fiscal Year | Targeted Grants | Competitive Grants |
|--|--|--|
| 2001/2002 \$359,000 Total Funds avail. for targeted grants: \$150,500 Funds avail. for competitive grants: \$208,500 Requests received: 122 totaling \$2,347,530 | Foundation of California State University Monterey Bay for S.E.A. Lab, Monterey Bay \$60,000 | Discovery Museum for exhibits at the Eureka City Boardwalk \$9,400 Mattole Restoration Council for the Ecological Education Program in rural Humboldt County \$10,000 |
| | Adopt-A-Beach School Assembly Program and Kids' Cleanup Program \$54,000 | Northcoast Environmental Center for the Marine Debris Education Project in Humboldt County \$2,520 Ocean Song Farm and Wilderness Center, Sonoma County for watershed education field trips \$10,000 |
| | Creative Environmental Conservation for Return of the Natives at Moss Landing Dunes State Beach \$10,000 | Estuary Action Challenge for Bay-Coast Action Projects in urban schools in the San Francisco East Bay \$20,000 New Perspectives - East Palo Alto for a watershed project featuring field trips and lessons \$10,000 |
| | California Dept. of Forestry and Fire Protection for updating the Environmental Education Compendium for Natural Communities \$10,000 | Literacy for Environmental Justice for salt marsh education and restoration at Heron's Head Park in Bayview-Hunters Point, San Francisco \$20,000 Morro Bay National Estuary Program for education programs at the visitor center and schools in the Central Valley \$4,820 |
| | California Environmental Education Interagency Network for the Environmentality Project \$2,000 | Peoples' Self-Help Housing Corporation for coastal field trips for youth living in permanent rental housing developments \$10,000 University of Southern California Sea Grant Program for the Parent Child Education Program \$28,155 |
| | Crystal Cove Interpretive Assn. for tidepooling education video \$6,500 | George Porter Middle School, San Fernando Valley, to study natural and human impacts on seashore environments \$9,950 Los Angeles Conservation Corps for the "Eels on Wheels" mobile marine van \$23,200 |
| | "Save Our Seas" curriculum update \$8,000 | Boys and Girls Clubs of Garden Grove for the "Marine Corps" program \$10,000 Solana Recyclers, Encinitas for the Student Environmental Action and Leadership Program \$31,455 |
| | | Calif. Dept. of Fish and Game for an early childhood education component of the Project WILD Aquatic curriculum \$9,000 |

| Fiscal Year | Targeted Grants | Competitive Grants |
|--|---|---|
| 2002/2003 \$509,000 Total Funds avail. for targeted grants: \$229,000 Funds avail. for competitive grants: \$280,000 Requests received: 180 totaling \$3,354,777 | Foundation of California State University Monterey Bay for S.E.A. Lab, Monterey Bay \$60,000 | Aquatic Adventures, San Diego, for the S.E.A. Series Program \$14,800 I Love A Clean San Diego for the Adopt-A-Beach Program in San Diego Co. \$20,000 Urbita Elementary School, San Bernardino, for studying the Santa Ana River, oceans, and watersheds \$8,965 |
| | Adopt-A-Beach School Assembly Program and Kids' Cleanup Program \$85,500 | Children's Nature Institute for The Malibu Lagoon Discovery Project for Los Angeles County children and families \$9,550 Elizabeth Learning Center, Cudahy, Los Angeles Co., for educational and service-oriented coastal field trips \$8,000 |
| | Heal the Bay Adopt-A-Beach Program \$30,000 | Mountains Restoration Trust for a watershed education program at Cold Creek Canyon Preserve in the Santa Monica Mountains \$8,410 Ralph J. Bunche Elementary School near Compton for a tide pool education program \$7,850 |
| | River of Words Coastal Art & Poetry Contest \$17,000 | Western National Parks Association for San Fernando Valley students to conduct lagoon and creekside habitat restoration in the Santa Monica Mountains \$17,100 Ontiveros Elementary School, Santa Maria, to study "Island of the Blue Dolphins" as a springboard for learning about the ocean and its importance \$6,180 |
| | California Environmental Education Interagency Network for the Environmental Project \$4,000 | Peoples' Self-Help Housing Corporation for coastal field trips for youth living in permanent rental housing developments \$10,000 Santa Barbara Audubon Society for the Snowy Plover Docent Program \$20,000 |
| | Beach Wheelchair Purchases \$9,000 | Exploring New Horizons Outdoor Schools, Santa Cruz Co. for "Mysteries of the Sea" \$5,340 Save Our Shores for the Seal Lion Steward Marine Education Program at Moss Landing \$9,850 |
| | "Save Our Seas" curriculum \$23,500 | Watsonville Wetlands Watch for a wetlands stewardship program for Pajaro Valley students \$12,745 Stonehurst Elementary School, East Oakland, for a school-wide ocean-immersion program \$40,000 |
| | | Hostelling International for overnight marine science programs at coastal hostels in northern and southern California \$24,000 Point Reyes Bird Observatory Conservation Science for a seabird awareness program \$9,975 |
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| Fiscal Year | Targeted Grants | Competitive Grants |
|---|---|---|
| 2002/2003 (continued) | | Occidental Arts and Ecology Center, Sonoma Co., for the "Basins of Relations" program to train leaders to watershed groups in their own communities \$25,000 Foothill Horizons Outdoor School , Sonora, for an interactive Tuolumne River watershed map \$1,365 Chico Creek Nature Center for a "Jammin' Salmon" nature camp theme \$870 Ecological Preservation and Restoration Education Program (Eco-PREP) for an enrichment program for at-risk teens at Humboldt community schools \$20,000 |
| 2003/2004 \$740,000 Total Funds avail. for targeted grants: \$359,000 Funds avail. for competitive grants: \$381,000 Requests received as of 2/1/04: 161 totaling \$3,488,908 | Foundation of California State University Monterey Bay for Camp SEA Lab \$60,000 Adopt-A-Beach School Assembly Program and Kids' Cleanup Program \$93,500 Heal the Bay Adopt-A-Beach Program \$30,000 Keep California Beautiful for Marine Debris Education Campaign \$48,000 Tides Center for School-Based Marine Education Program \$84,400 Beach Wheelchair Purchases \$9,000 Coastal Watershed Council for coordinating Snapshot Day statewide \$10,100 Reserve—grantees to be determined \$20,000 | <i>To be approved by Commissioners at February 2004 meeting.</i> |

Attachment B: 2003/04 Competitive Whale Tail Grant Proposals

| Organization Name | Project Title | Requested Amount |
|--|---|------------------|
| Acterra | Peninsula Watershed Resource Center | \$25,000 |
| Adopt-A-Watershed | Redwood Community Watershed Education Network | \$22,000 |
| Alameda County Resource Conservation District | Palomares Creek Watershed Project | \$30,000 |
| Algalita Marine Research Foundation | Plastics Are Forever: An Educational Pilot Project | \$18,647 |
| American River Parkway Foundation | American River Spring Clean Up | \$4,000 |
| Aquarium of the Pacific | Aquarium on Wheels coastal zone conservation and education program | \$10,000 |
| Aquatic Outreach Institute | Bayshore Stewardship Program | \$9,884 |
| Arena Union Elementary School District | Clean Waves, Clean South Mendocino Beaches | \$10,000 |
| Audubon Canyon Ranch | Elementary School Environmental Education Program | \$10,000 |
| Ballona Wetlands Foundation | WOW Team (Wonders of Wetlands) | \$9,995 |
| Birmingham High School | "Birmingham Coastal Express" | \$10,000 |
| Blue Dolphin Alliance | "Our Ocean Allies" | \$6,750 |
| Boys & Girls Club of Carlsbad | Ultimate Journey | \$7,500 |
| Buena Vista Audubon Society | Upgrading Buena Vista Nature Center Exhibits and Education Programs | \$7,000 |
| California Academy of Sciences | Settling Plate Research Project | \$10,000 |
| California Dept. of Fish and Game | Back Bay Science Center Sharkmobile Outreach | \$9,500 |
| California Dept. of Parks and Recreation, Mendocino District | Mendocino Coast Tidal Ecology Teacher's Guide | \$15,620 |
| California Polytechnic State University | Coastal Experiential Education | \$39,840 |
| California Polytechnic State University | Sea and Earth through Science and Art | \$47,468 |
| California State Parks Foundation | Coast Alive! | \$39,740 |
| CALPIRG Education Fund | San Diego Water Watch Program | \$30,000 |
| Camp Ocean Pines | "Eyes Wide Open" | \$10,000 |
| Catholic Charities CYO | Restore Salmon Creek! | \$8,000 |

Attachment B

| Organization Name | Project Title | Requested Amount |
|---|---|-------------------------|
| Ctr. for Environmental Educ. at Antioch New England Inst. | Peer Partners in Environmental Education | \$15,125 |
| Center for Ethics and Toxics | "Contaminants and Our Coastal Ecology" Seminar Series | \$42,175 |
| Central Coast Aquarium Society | Permanent Exhibit of "Tidepool Treasures" | \$25,000 |
| Central Coast Exploration Station | Shark Tank Display | \$8,855 |
| Channel Islands Harbor Foundation | Marine Science Learning Laboratory Aboard the SSV Tole Mour | \$22,626 |
| Channel Islands National Marine Sanctuary | Channel Islands Marine Reserves Poster | \$8,492 |
| Channel Islands National Park | Continuation of JASON IV: "From Shore to Sea" | \$10,000 |
| Circuit Rider Productions | Endangered Marine Resources - Youth Education and Restoration Project | \$35,000 |
| City of Alameda, Public Works Dept., Env. Services Division | High School Coastal Education/Beach Cleanup Event | \$50,000 |
| City of Carmel-by-the-Sea/Friends of Carmel Forest | Beach Bluff Pathway Landscape Restoration | \$50,000 |
| City of Costa Mesa | Environmental Media Campaign of 2004 | \$8,304 |
| City of Monterey, Dept. of Public Works | Monterey Bay Recreation Trail Interpretive Signs | \$50,000 |
| City of San Jose | ZunZun Presents "The Musical Watershed" | \$29,000 |
| City of San Pablo | Illegal Dumping Public Education Campaign | \$20,059 |
| City of Santa Cruz | Wharf Coastal Marine Exhibits | \$24,000 |
| Claire Lilienthal School | Outdoor Science Education (Catalina Environmental Leadership Program) | \$5,000 |
| Coast Redwood Institute | Soquel Demonstration State Forest Web Site | \$10,000 |
| Community Alliance with Family Farmers | Cultivating an Inland Oasis in Coastal California | \$49,880 |
| Concerned Resource and Environmental Workers (CREW) | Restoration and Youth Employment Program | \$40,000 |
| Coyote Point Museum for Environmental Education | "Sounds of the Sea" Traveling Exhibit and Education Components | \$25,000 |
| Crown Cove Aquatic Center | Cove Critters | \$15,000 |
| Dana Middle School | A Marine Science Thematic Approach to Middle School Science | \$4,132 |
| Desert Valley Continuation High School | Pelican, Seagulls and Reclamation | \$4,000 |
| Discovery Science Center | Marine Ecology | \$21,288 |
| Dunes Center | Dunes Visitor Center - Environmental Education Center | \$25,000 |
| East Bay Conservation Corps | Corps to Coast Adventure Series | \$23,648 |
| Ecological Farming Association | Farms and Fishes Bus Tour | \$3,867 |

| Organization Name | Project Title | Requested Amount |
|---|--|-------------------------|
| Ecological Preservation Restoration & Education Program | Coastal Careers for At-Risk Youth | \$22,585 |
| Edna Brewer Middle School | Point Bonita YMCA Science Camp | \$10,000 |
| Exploring New Horizons Outdoor Schools | Sempervirens Outdoor School - Oceans Component | \$15,300 |
| Farallones Marine Sanctuary Association | Rocky Intertidal Touch Tank Exhibit | \$15,000 |
| Friends of Fitzgerald Marine Life Refuge | Junior Rangers | \$4,400 |
| Friends of the Sea Lion Marine Mammal Center | Project SEAL (Students Excited About Learning) | \$9,970 |
| Glacier High School Charter | Regional Watershed Awareness Project | \$5,000 |
| Golden Gate Audubon Society | Inner-City Marine Ecology Project for Families | \$10,000 |
| GREENSPACE - Cambria Land Trust | Santa Rosa Creek Watershed Education Program | \$19,438 |
| Howard Carden School | A Field Guide to Carpinteria's Tide Pools | \$8,000 |
| I Love A Clean San Diego | Coastal Stewardship Initiative | \$49,969 |
| Ida Redmond Taylor School | Taylor Outdoor Classroom | \$5,000 |
| Land Conservancy of San Luis Obispo County | Environ. Education & Interpretation at Olde Towne Nipomo Creekside | \$10,000 |
| Lawrence Hall of Science | MARE Sea STAR Project | \$40,710 |
| Literacy for Environmental Justice | Hérons Head Park Pilot Stewardship Program | \$50,000 |
| Los Angeles Co. Sheriff's Dept., Industry Station | Sheriff's High Adventure for Responsible Kids (SHARK) | \$47,648 |
| Los Angeles Conservation Corps | Sleep and Snorkel Program | \$17,360 |
| Los Angeles Leadership Academy | Keep Our Ocean Clean Club | \$29,313 |
| Mar Vista High School, Poseidon Acad. of Marine Science | Marine Science Center at YMCA Camp Surf | \$29,283 |
| Marin Conservation Corps | Project ReGeneration: Youth Services for our Oceans | \$10,000 |
| Marine Science Institute | Outreach Science Programs for Low-Income Bay Area Schools | \$10,000 |
| Math Science Nucleus | Connecting Watersheds with Oceanographic Processes | \$25,000 |
| Mendocino Area Parks Association | Enhancement of State Park Marine Mammal Exhibits | \$21,357 |
| Monterey Bay Aquarium Foundation | Young Women in Science | \$50,000 |
| Monterey Bay Sanctuary Foundation | Changing Behavior to Improve Water Quality | \$49,500 |
| Monterey Bay Sanctuary Foundation | First Flush and Urban Watch Citizen Water Quality Monitoring | \$39,900 |
| Moss Landing Marine Labs/San Jose State Univ. Foundation | Sea Lion Steward Marine Education Program | \$9,992 |

| Organization Name | Project Title | Requested Amount |
|--|---|-------------------------|
| Nautilus Institute | Pegasus Project | \$20,000 |
| Northern California Society of American Foresters | Forestry Institute for Teachers - Humboldt State University | \$1,750 |
| Ocean Institute | "One Tier Back" Watershed Education Program | \$10,000 |
| Oceanic Society | San Francisco Bay Region Gray Whale Survey | \$10,000 |
| Ojai Valley Youth Foundation | Public Education Strategies for the Channel Islands National Marine | \$46,284 |
| Orange Coast College Marine Science Dept. | Night Watch Project | \$15,000 |
| Orange County Coastkeeper | Junior Coastkeeper Program | \$13,565 |
| Orange County Fair & Exposition Center | Centennial Farm Coastal Environment Education Program | \$9,000 |
| Orange County Outdoor Science Foundation | Watershed Education Project | \$50,000 |
| Paden School PTA | Bay Trail Project | \$48,900 |
| Palms Middle School | Wetlands Project: A Collaboration of Special Ed. and General Ed. Students | \$10,000 |
| Palos Verdes Peninsula Land Conservancy | Youth Education Program Expansion | \$11,100 |
| Peoples' Self-Help Housing Corporation | Coastal Ecologic Awareness Program Phase III | \$20,000 |
| Point Dume Marine Science School | Stewards of the Sea | \$17,991 |
| Point Reyes National Seashore Association | Coastal Protection Docent Program | \$10,000 |
| Pro Peninsula | Field Trip Binders | \$7,600 |
| Rapture Marine Expeditions | Boys & Girls Club Marine Education Expedition | \$42,000 |
| Redwood Coast Institute | Redwood Coast Action Program | \$49,996 |
| Redwood Community Action Agency | Stream Reaches to Coastal Beaches: Community Water Quality Monitoring | \$36,746 |
| Resource Conservation District of Greater San Diego County | San Diego River Watershed Education Program | \$29,560 |
| Resource Conservation District of the Santa Monica Mts. | Malibu Lagoon Field Program | \$19,695 |
| Rio Films | Channel Islands Adventure | \$24,100 |
| Roosevelt School | Watershed Warriors/Environmental Education Center | \$8,525 |
| Salmon Creek Middle School | Salmon Creek Storm Water Reclamation Project | \$23,139 |
| Salmon River Restoration Council | Living Anadromously Field School | \$15,827 |
| San Diego BayKeeper | Project SWELL | \$40,500 |
| San Diego Oceans Foundation | Ocean in Motion | \$19,040 |

Attachment B

| Organization Name | Project Title | Requested Amount |
|---|--|-------------------------|
| San Diego Unified Port District | Monarch School Environmental Enrichment Program | \$14,393 |
| San Dieguito River Park Joint Powers Authority | Field Science Lab | \$50,000 |
| San Francisco Conservation Corps | Coastal, Marine and Watershed Project | \$33,674 |
| San Francisco Estuary Institute | Internet Field Guide to Non-Native Species | \$40,000 |
| San Francisco Unified School District Env. Science Center | Conservation Connection | \$34,111 |
| San Joaquin Outdoor School | From the Great Valley to the Ocean and Back | \$16,188 |
| San Joaquin River Parkway and Conservation Trust | Volunteer River Docent Support and Expansion Project | \$19,036 |
| Santa Barbara Audubon Society | Snowy Plover Docent Program | \$26,968 |
| Santa Barbara Channelkeeper | Kelp Education Program | \$6,200 |
| Santa Barbara County Planning and Development | Surf Beach Snowy Plover Docent Pilot Project | \$22,000 |
| Santa Barbara Museum of Natural History | Waves on Wheels | \$10,000 |
| Santa Maria Valley Discovery Museum | Marine Environment Exhibit | \$50,000 |
| Santa Monica Mountains Natural History Association | Repair and Conservation of Sycamore Nature Center | \$43,065 |
| Save Our Shores | Sea Lion Steward Marine Education Program | \$5,962 |
| Save The Whales | Student Watershed Monitoring Program | \$3,608 |
| School of the Madeleine | MARE Program | \$67,861 |
| Sherman Heights Community Center | Viva Ciencia Environmental Education & Beach Conservation Program | \$9,900 |
| Sierra Club Foundation | Orange County Inner City Outings | \$2,080 |
| Sierra Nevada Deep Ecology Institute | Sierra to Sea: Fostering Environmental Stewardship | \$9,993 |
| Skyline Elementary School | Floating Lab | \$3,080 |
| Solana Center for Environmental Innovation | SEAL Program (Student Environmental Action and Leadership) | \$45,645 |
| Solano Land Trust | Young Stewards Watershed Education Program | \$6,078 |
| South Yuba River Citizens League (SYRCL) | "Journey of the Salmon" Interactive Science Presentations | \$20,000 |
| Spring Rain Foundation | Kids & Fishing | \$9,994 |
| STAR Education | Marine and Coastal Science Education Program | \$40,000 |
| Stewards of the Coast and Redwoods | Sonoma Coast Junior Lifeguard Program | \$24,390 |
| Sunset Elementary School | Environmental Science Month: Protecting the Coastal Community | \$17,800 |

| Organization Name | Project Title | Requested Amount |
|--|--|-------------------------|
| Surfrider Foundation - San Clemente Chapter | Respect the Beach | \$20,000 |
| Sustainable Fishery Advocates | Seafood Sustainability Education at the Point of Sale | \$10,000 |
| Suzan Miller Dorsey High School | Integrating high school science with a marine focus | \$7,000 |
| The Otter Project | BeachCOMBERS, Santa Barbara and San Luis Obispo Counties | \$46,500 |
| Thomas More Preparatory School | Study of the Ecosystem on the Mendocino Coast | \$10,000 |
| TreePeople | Eco-tour Program | \$10,000 |
| University of California Cooperative Extension | Los Pescadores/Agua Pura Curriculum Project | \$25,300 |
| University of California Davis | Marine Mammal Communication Public Education Database | \$51,015 |
| University of California Davis, John Muir Inst. of the Env. | California Estuaries: Parr, Smolt and Adult Salmon Crossroads | \$12,500 |
| University of California San Diego, Calif. Sea Grant College | Public Displays on Marine Protected Areas in California | \$13,604 |
| University of San Diego | Incredible Coastal Curriculum Project | \$22,400 |
| Urban Resource Systems | Nature in the City Program 2004 | \$14,830 |
| USDA Forest Service | Your Forest, Your Water | \$4,000 |
| Watsonville Wetlands Watch | The Cycle of Restoration of the Watsonville Wetlands, Phase II | \$9,380 |
| Western Alliance for Nature | Ormond Beach Docent Project | \$11,515 |
| Whale Rescue Team | Marine Wildlife Rescue and Education | \$25,000 |
| World Arts West | Dances of the Sea | \$25,000 |
| YMCA Point Bonita | Kids-to-Coast Project | \$10,000 |
| Youth Employment Partnership | Team Oakland's Youth Coastal Conservation Program | \$30,000 |
| TOTAL REQUESTED: | | \$3,231,508 |

