

USC Sea Grant Program

Site Review PIER Information

(Information gathered from the Program's Annual Report Submissions in PIER)

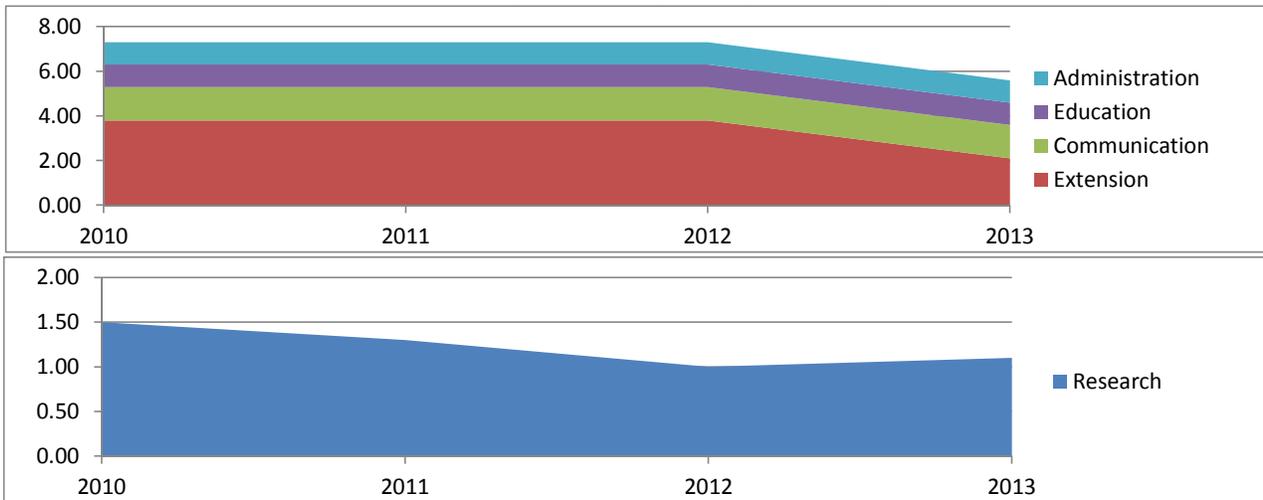
I. Program Management and Organization (organization, program team approach, support).

A. Sea Grant Staffing (2010-2013)

	Range of Annual Number of Individuals	Average Annual Full-Time Equivalents*
Administration	2	1.0
Extension	4-5	3.3
Communication	3	1.5
Education	1	1.0
Research	8-19	1.2

*One FTE is equivalent to 12 months of full time effort, and can be funded with Sea Grant Federal or non-Federal dollars.

Full Time Equivalents by Year (2010-2013)

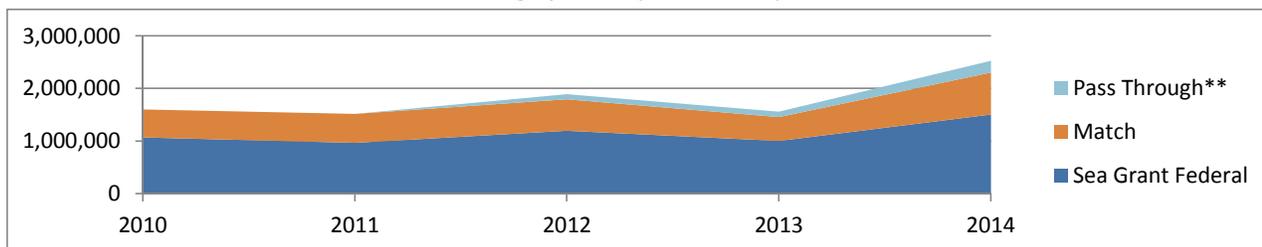


B. Total Funding by Source (2010-2014)

	Sea Grant Federal	Match	Pass Through**	Total Funding
2010	1,070,000	531,887	0	1,601,887
2011	967,000	550,611	0	1,517,611
2012	1,197,882	598,327	98,000	1,894,209
2013	1,005,651	450,345	105,000	1,560,996
2014	1,508,158	796,929	226,000	2,531,087

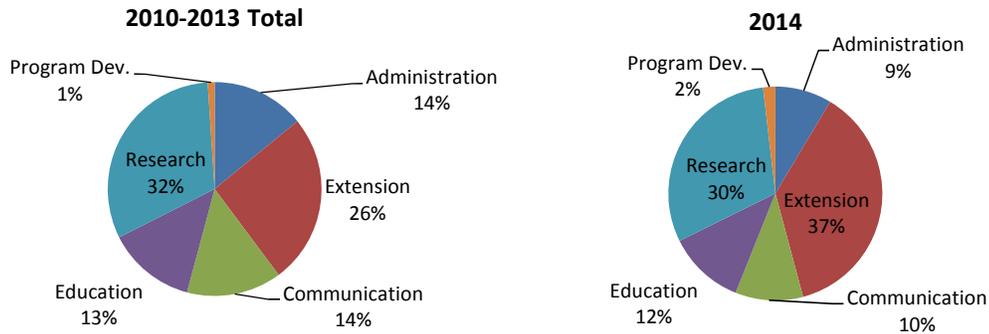
** Pass Through funding refers to federal funds not appropriated to Sea Grant, but administered through the National Sea Grant Office

Funding by Year (2010-2013)

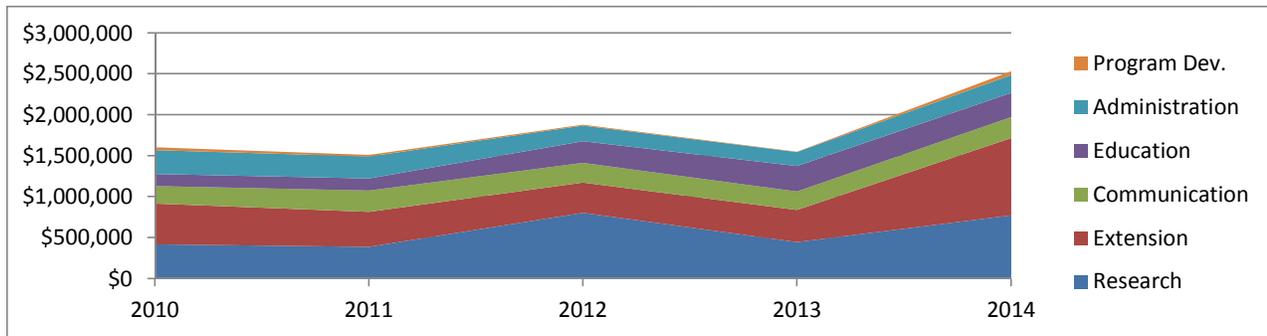


C. Distribution of Funding by Functional Area (Federal + Match + Pass Through)

	2010	2011	2012	2013	2014
Administration	291,762	268,842	189,066	168,942	216,441
Extension	495,901	426,678	369,312	393,023	943,293
Communication	214,624	259,103	240,413	225,100	258,999
Education	146,600	148,600	266,701	312,601	294,400
Research	419,292	388,568	802,266	444,090	771,258
Program Dev.	33,708	17,870	12,451	3,740	46,696



Trend (2010-2014)



D. Total Number of Core Funded Proposals (Not NSIs)

	2011	2013
Pre-Proposals Submitted	16	31
Full Proposals Submitted	14	11
Proposals Funded	4	4
Institutions with Proposals Funded	7	3
Proposals Funded from Home Institution	1	2

E. Core-Funded Research Projects
2014
A New Method for Monitoring Urban Beach Ecosystems (KAREN MARTIN)
The environmental and economic impacts of moorage marinas in the West Coast (James Moore)
TROPHIC TRANSFER OF DOMOIC ACID IN FOOD WEBS OF THE FUTURE GREENHOUSE COASTAL OCEAN (Dave Hutchins)
GRADUATE STUDENT TRAINEE (PHYLLIS GRIFMAN)
QUANTIFYING ROCKY HEADLAND WATER AND SEDIMENT TRANSPORT (JOHN LARGIER)
UNDERSTANDING FISH HABITAT IN A TIDALLY RESTRICTED (CHRISTINE WHITCRAFT)
Developing a Model Ordinance for California Local Governments to Integrate Sea-Level Rise Adaptation into Existing Land Use Plans (SEAN B HECHT)
UNALLOCATED RESEARCH (Unreported PI)
2013
THE SOUTHERN CALIFORNIA BIGHT? (Unreported PI)
2012
Contaminant-Related Thyroid Disruption in Wild Fish in Southern and Northern California: Cause and Effect Evaluations (Kevin Kelley)
Successful Adaptation: Identifying Effective Process and Outcome characteristics and practice-relevant metrics (Pamela Matson)
Sustaining Fishing Communities (Ariana Pichon)
The Role of small upstream reservoirs in trapping organic carbon, nutrients, and metals in the San Francisco Bay Area (Laura Rademacher)
The value of habitat diversity of marine reserves: Spiny lobster and sheephead use of the intertidal zone at Santa Catalina (Corey Garza)
Will a warmer, more acidic ocean lead to increased pseudo-nitzschia bloom toxicity in the southern California bight? (David Hutchins)
Resolving the annual pattern of algal toxins in coastal waters of Los Angeles (Astrid Schnetzer)
2011
HIGH RESOLUTION REMOTE SENSING OF COASTAL DISCHARGE PLUMES AND ALGAL BLOOMS IN THE SOUTHERN CALIFORNIA BIGHT (FUHRMAN, JED)
IMPACTS OF ALGAL TOXIN ON SPECIES COMPOSITION OF COASTAL PLANKTON COMMUNITIES (CARON, DAVID)
POPULATION DIFFERENCES IN TOXICANT SENSITIVITY IN THE TIDEPOL COPEPOD TIGRIOPUS CALIFORNICUS: GENETIC VS. ENVIRONMENTAL FACTORS (EDMANDS, SUZANNE)
COASTAL COMMUNITY DEVELOPMENT PROGRAM (DUGUAY)
PROGRAM DEVELOPMENT (DUGUAY)
2010
HIGH RESOLUTION REMOTE SENSING OF COASTAL DISCHARGE PLUMES AND ALGAL BLOOMS IN THE SOUTHERN CALIFORNIA BIGHT (JED FUHRMAN)
IMPACTS OF ALGAL TOXIN ON SPECIES COMPOSITION OF COASTAL PLANKTON COMMUNITIES (ASTRID SCHNEZTER)
POPULATION DIFFERENCES IN TOXICANT SENSITIVITY IN THE TIDEPOL COPEPOD TIGRIOPUS CALIFORNICUS: GENETIC VS. ENVIRONMENTAL FACTORS (SUZANNE EDMANDS)
THE IMPACT OF INTENSE RECREATIONAL FISHING PRESSURE ON SPAWNING AGGREGATIONS OF BARRED SAND BASS (PARALABRAX NEBULIFER) OFF THE LOS ANGELES METROPOLITAN AREA PHASE I: CAN WE ACCURATELY DETERMINE THE STANDING STOCK OF BARRED SAND BASS IN THE AGGREGATION AREA? (LARRY G. ALLEN)

F. NSI, Pass-through, and enhancement funds
2015
MARINTE EXTENSION AND EDUCATION (PHYLLIS GRIFMAN) (SG-Social Science)
2014
2014 Knauss Fellow (Justine Kimball) (Linda E. Duguay) (NAVY)
2014 Knauss Fellow (Kiya Gornik) (Linda E. Duguay) (NAVY)
2014 Knauss Fellow (Laura Windecker) (Linda E. Duguay) (Department of Transportation)
2014 Knauss Fellow (Lisa Fong) (Linda E. Duguay) (NOAA-PPI)
CLIMATE ADAPTATION PLANNING (LINDA DUGUAY) (SG-Climate)
Extension Education and Technology Transfer of Self Cleaning Larval Rearing Tanks to the United States to Improve Microbial Control and Larval Survival (Linda Duguay) (SG-Aquaculture)
2013
Brittany King USC SG Knauss 2013 (Unreported PI) (NOS)
Emily Smail USC Knauss Fellowship 2013 (Unreported PI) (SG-FEL-KNAUSS)
Katherine Nixon USC SG Knauss 2013 (Unreported PI) (NAVY)
Kelsey Jacobsen USC SG Knauss 2013 (Unreported PI) (SG-FEL-KNAUSS)
2012
2013 National Sea Grant Climate Network Climate Adaptation Conference (Juliette Hart) (SG-PD)
Annie Ji-Yih Yau USC Sea Grant Program Knauss Fellowship 2012 (Linda Duguay) (OAR)
Climate Adaptation Planning for Los Angeles (Juliette Finzi-Hart) (SG-Climate)
Micah Efron USC Sea Grant Knauss Fellowship 2012 (Linda Duguay) (SG-FEL-KNAUSS)
Michaela Clemence USC SG Program Knauss Fellowship 2012 (Linda Duguay) (NOAA)
Sustaining Fishing Communities (Ariana Pichon) (SG-Social Science)
(Juliette Finzi-Hart) (SG-Climate)
2011
USC 2011 KNAUSS FELLOW-KRISTEN BOR (Unreported PI) (SG-FEL-KNAUSS)
2010
NATURAL RESOURCE FELLOWSHIP: IMPLEMENTING THE WEST COAST REGIONAL RESEARCH AND INFORMATION REPORT AND PLAN: A COLLABORATIVE APPROACH WITH THE WEST COAST GOVERNORS' AGREEMENT ON OCEAN HEALTH (LINDA E. DUGUAY) (SG-Regional)
CLIMATE ADAPTATION IN URBAN COASTAL COMMUNITIES (Juliette Finzi-Hart) (SG-Climate)
USC 2010 Knauss Fellowship- Leslie Abramson (Unreported PI) (SG-FEL-KNAUSS)

II. **Stakeholder Engagement** (relevance, advisory services, and education and training).

A. **Total Number of SG-Sponsored Meetings, Workshops, Conferences, Presentations and Attendees (2010-2013)**

Events	Attendees
359	23,901

B. **Total Number of Volunteer Hours (2010-2013)**

2,023

C. **Students Supported (2010-2013)**

	Students		Degrees Awarded
	New	Continuing	
Undergraduate	4	6	2
MS/MA	3	4	2
PhD	8	16	3
Professional Degree	1	0	0

D. **K-12 Students Reached (2010-2013)**

212,947

III. Collaborative Network Activities (relationships and coordination).

A. Program Partners by Scale

FEDERAL or NATIONAL

Bureau of Ocean Energy Management
Channel Islands National Marine Sanctuary (US DOC, NOAA, NOS, ONMS)
Channel Islands National Park, National Park Service (US DOI, NPS)
Coastal Services Center (US DOC, NOAA, NOS, CSC)
Golden Gate National Park, NPS
Gulf of the Farallones National Marine Sanctuary (US DOC, NOAA, NOS, ONMS)
Jet Propulsion Laboratory (NASA)
Mediterranean Coast Network
National Geographic Society
National Marine Educators Association
National Marine Fisheries Service (US DOC, NOAA, NMFS)
National Marine Fisheries Service, Tiburon (US DOC, NOAA, NMFS)
National Ocean Service (US DOC, NOAA, NOS)
National Science Foundation (NSF)
National Sea Grant Office (US DOC, NOAA, OAR, NSGO)
National Weather Service (US DOC, NOAA, NWS)
NOAA Oceans & Human Health
NOAA Restoration Center (US DOC, NOAA, NMFS)
Ocean Institute
Oceanographer of the Navy (US DOD, NAVY)
Office of National Marine Sanctuaries (US DOC, NOAA, NOS, ONMS)
Office of Naval Research (US DOD, NAVY, ONR)
Pacific Marine Environmental Laboratory (US DOC, NOAA, OAR, PMEL)
Redwood National Park, NPS
San Francisco Bay National Estuarine Research Reserve (US DOC, NOAA, NOS, NERRS)
Southwest Fisheries Science Center (US DOC, NOAA, NMFS, SWFSC)
Southwest Regional Office (US DOC, NOAA, NMFS, SWR)
Susanne Moser Research and Consulting (SMRC)
The Abalone Farm, Inc.
Tijuana River National Estuarine Research Reserve (US DOC, NOAA, NOS, NERRS)
US Army Corps of Engineers (DOD, Army, USACE)
US Bureau of Ocean Energy Management (US DOI, BOEM)
US Department of Defense (US DOD)
US Department of the Navy (US DOD, NAVY)
US Environmental Protection Agency (US EPA)
US Fish and Wildlife Service (US DOI, FWS)
US Geological Survey (US DOI, USGS)
WildCoast
Committee on the Marine Transportation System
U.S. Representative Lois Capps - California
USGS Pacific Coastal and Marine Science Center

INTERNATIONAL

Birch Aquarium at Scripps under NGO
California and Nevada Applications Program (CNAP)
Chung Ang University, Seoul, Korea

Dalhousie University, Halifax, Nova Scotia, Canada
Ecotrust
International Association of Maritime Economists
International Bird Rescue and Research Center
Korea Academy of International Commerce
National Taiwan Ocean University, Taipei, Taiwan
Ocean Conservancy
Oceanic Institute
Officials from the Municipality of Foshan, China
Quicksilver
Sempra Enrgy
Surfrider Foundation
The Boeing Company
The Nature Conservancy (TNC)

LOCAL

Back Bay Science Center
BUENA VISTA AUDUBON SOCIETY
Cabrillo Marine Aquarium
City of Dana Point, CA
City of El Segundo
City of Hermosa Beach
City of Huntington Beach, CA
City of Laguna Beach, CA
City of Los Angeles
City of Los Angeles Mayor's Office
City of Los Angeles Office of Sustainability
City of Los Angeles, CA Bureau of Sanitation
City of Los Angeles, CA Environmental Monitoring Division
City of Los Angeles, CA Public Works Agency
City of Malibu, CA
City of Manhattan Beach
City of Newport Beach, CA
CITY OF OCEANSIDE
City of Rancho Palos Verdes
City of Redondo Beach, CA King Harbor
City of San Clemente, CA
City of San Diego, CA
City of Santa Monica, CA
City of Torrance
Coe Architects
Coravai Consulting
County of Los Angeles, CA Department of Public Works
Crystal Cove Alliance
Crystal Cove State Park
Department of Transportation
Dornsife News Service
Educators in Orange County
ESA-PWA Consulting,
EXPO Center, Exposition Park

Heal the Bay
HOK Architects
independent commercial passenger fishing vessel operator
Inner City Education Foundation
LA Bureau of Engineering
LA Charter School Science Partnership
LA County Public Health
LA Dept of Building
LA Planning Department
Laguna Ocean Foundation
Local Governments for Sustainability (ICLEI)
Long Beach Aquarium of the Pacific
Long Beach City College
Long Beach Public Health
Los Angeles Business Council
Los Angeles County Educators
Los Angeles County Museum of Natural History
Los Angeles County Science Fair
Los Angeles County, El Segundo School District
Los Angeles County, L.A. Unified School District
Los Angeles County, Lawndale School District
Los Angeles County, Palos Verdes Unified School District
Los Angeles Department of Beaches and Harbors (LA DBH)
Los Angeles Dept of Water & Power
Los Angeles Education Partnership
Los Angeles Harbor Department
Los Angeles Marine Institute
Los Angeles, CA City Council
Marina Del Rey Anglers (MDRA)
McDonough + Partners Architects
Nature Bridge
Orange County Education Department
Orange County Marine Institute
Orange County Sanitation District
Pacific Palisades Community Council
Palos Verdes Land Conservancy
Pfleger Institute for Environmental Research, Oceanside, CA
Port of Long Beach, CA
Port of Los Angeles High School
Port of Los Angeles, CA
Redondo Beach Water Quality Task Force
Roundhouse Marine Lab
Saddleback College
Safety and Emergency Management
Sage Hills School
San Francisco Bay Conservation & Development Commission (SFBCDC)
San Pedro Chamber of Commerce
Sanitation District
Santa Monica Bay Restoration Foundation (SMBRF)

Santa Monica Bay Restoration Project
Santa Monica Baykeeper
Santa Monica Mountains Conservancy
Santa Monica Pier Aquarium
SEA Lab
Sea Life Center
Southern California Lobster and Trap Fishermen's Association
Southwest Wetlands Interpretive Association
Sport Fishing Alliance, LTD
SRK Architects
Terra Costa Consulting Group, Inc.
The Bay Foundation
Ty Warner Sea Center
UCLA Environmental Law Center
University of Southern California, Marine Environmental Biology Program (USC)
USC News Service
World Airports

REGIONAL

AAUW
CA Resources Legacy Fund Foundation
California Nevada Applications Program (CNAP) at the Scripps Institution
California State University Chancellor's Office
Centers for Ocean Sciences Education Excellence (COSEE)
Climate Resolve
Commercial Fishermen of Santa Barbara (CFSB)
Council for Watershed Health
Intel International Science and Engineering Fair
Los Angeles Regional Collaboration on Climate Action and Sustainability (LARC)
Marine Conservation Research Institute
Pacific Grove Museum of Nature History
Pacific Regional Integrated Sciences and Assessments (RISA) Program
Sealife Aquarium (Legoland)
Sitka Sound Science Center
South Bay Cities Council of Governments
Southern California Aquarium Collaborative
Southern California Coastal Ocean Observing System (SCCOOS)
Tree People
USC Dornsife College of Arts, Letters and Sciences,
West Coast Governors Agreement on Ocean Health (WCGAOH)
Western States Petroleum Association

STATE

AZ Dept of Fish and Wildlife
CA Dept. of Toxicology
Cal Coast
California Association of Port Authorities
California Coastal Acidification Network
California Coastal Coalition
California Coastal Commission (CA RESOURCES, CCC)
California Coastal Conservancy

California Department of Boating and Waterways (CA RESOURCES, CA DBW)
California Department of Education (CA ED)
California Department of Fish and Game (CA RESOURCES, CA DFG)
California Department of Fish and Wildlife (CA RESOURCES, CA DFG)
California Department of Health Services (CA CDHS)
California Department of Parks and Recreation (CA RESOURCES, CA DPR)
California Environmental Protection Agency (CA CalEPA)
California Fisheries Coalition
California Institute Of Technology (Cal TECH)
California Ocean Protection Council (COPC)
California Ocean Science Trust
California Regional Water Quality Board
California Resources Agency
California Science Center
California Science Teachers Association
California Sea Grant
California Sea Urchin Commission
California Shore and Beach Preservation Association
California State Polytechnic University, Pomona (CSU)
California State University (CSU)
California State University Maritime Academy (CSU)
California State University, Channel Islands (CSU)
California State University, Dominguez Hills (CSUDH)
California State University, Fullerton (CSUF)
California State University, Long Beach (CSULB)
California State University, Los Angeles (CSULA)
California State University, Monterey Bay (CSUMB)
California State University, Northridge (CSUN)
California State University, San Bernardino (CSU)
California State University, San Marcos (CSU)
California State Waterboards
California Wetfish Producers Association (CWPA)
Center for Ocean Solutions (COS)
Chumash Maritime Association (CMA)
Coastal Data Information Project, University of California, San Diego, Scripps Institute of Oceanography (UCSD)
Connecticut Sea Grant
Delaware Sea Grant
Department of Biological Sciences, California State University, Long Beach (CSULB)
Florida Sea Grant
Georgia Sea Grant
Hawaii Sea Grant
Illinois-Indiana Sea Grant
Lake Champlain Sea Grant
Louisiana Sea Grant
Loyola Marymount University
Maine Sea Grant
Marine Science Institute, University of California, Santa Barbara (UCSB)
Maryland Sea Grant
Michigan Sea Grant

Minnesota Sea Grant
Mississippi-Alabama Sea Grant Consortium
National Sea Grant Law Center
New Hampshire Sea Grant
New York Sea Grant
North Carolina Sea Grant
Occidental College, Vantuna Research Group
Ocean Discovery Institute, San Diego State University (SDSU)
Ohio Sea Grant
Oregon Sea Grant
Oregon State University (OSU)
Puerto Rico Sea Grant
Recreational Fishing Alliance (RFA)
Rhode Island Sea Grant
San Diego State University (SDSU)
South Carolina Sea Grant Consortium
Southern California Coastal Water Research Project
Southern California Edison
Southern California Trawlers Association (SSCTA)
Southern California Wetlands Recovery Project
Stanford University
Tenere Environmental (TE)
Texas Sea Grant
The College of Exploration
United Anglers (UA)
University of California, Berkeley (UCB)
University of California, Davis (UCD)
University of California, Irvine (UCI)
University of California, Los Angeles (UCLA)
University of California, Santa Barbara (UCSB)
University of California, Santa Barbara, National Center for Ecological Analysis and Synthesis (UCSB-NCEAS)
University of California, Santa Cruz (UCSC)
University of Florida (UF)
University Of Guam (UG)
University of Southern California (USC)
University of Southern California Neighborhood Outreach (USC)
University of Southern California Sea Grant (USC)
University of Southern California, Price School of Public Policy (USC)
University of Southern California, Wrigley Institute, Marine Science Center (USC)
University of Washington (UW)
Washington Sea Grant
Woods Hole Oceanographic Institution Sea Grant (WHOI)
Scripps Institution of Oceanography

Unknown

Annenberg Foundation
Center for Urban Waters
FOSS-The Full Option Science System
GeoEco, Inc.
Los Angeles Conservation Corps

Los Angeles County, Redondo Beach School District
Marine Institute
Maritime Policy and Management journal
Moffatt and Nichol Engineering
National Working Waterfronts Network
NewCap Partners, Inc.
Pharmaceuticals and Personal Care Products Communicators
Phillips & Associates
Rosalinde and Arthur Gilbert Foundation
Seal Beach Naval Weapon Station Refuge
Society for Science and the Public International Science and Engineering Fair
Southern California Marine Institute
Susan Moser Research and Consulting
Trussell Technologies Inc.
United Coalition to Protect Panhe (Tribal legal & environemntal advocacy)
West Basin Municipal Water District
William McDonough & Partners
Office of Program Planning and Integration (US DOC, NOAA, PPI)
CA Sea Grant Extension

Unknown2

Hubbs-SeaWorld Research Institute

B. Source and Amount of Leveraged Funds (2010-2013)	
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Amounts	Year		
Source	2010	2011	2012
Managed	\$368,000	\$679,453	\$189,128
California Coastal Commission (CA RESOURCES, CCC)			\$45,093
California Coastal Conservancy	\$325,000		\$54,538
California Resources Agency			\$38,150
University of Southern California (USC)			\$25,022
Unreported Source	\$43,000	\$679,453	\$26,325