

Teacher Resources



NOAA's Marine Sanctuaries Division

1305 East-West Highway
SSMCY 11th Floor
Silver Spring, MD 20910
301.713.3125
301.713.0404 fax
<http://www.sanctuaries.nos.noaa.gov>

Brochures & Flyers:

National Marine Sanctuaries—Tour of the Sanctuaries general brochure—describes national marine sanctuary sites.
National Marine Sanctuaries Management Plan Revision—one-page background documents that describe the process to revise sanctuary management plans.
NOAA's National Marine Sanctuaries national map—map of the U.S. showing the location of the individual sanctuaries.
NOAA Backgrounder: National Marine Sanctuaries—one-page document describing the National Marine Sanctuaries Program.
Guide to Diving America's National Marine Sanctuaries—a comprehensive dive guide to the national marine sanctuaries (reprint from Rodale's Scuba Dive Magazine).

Maps:

NOAA Maps—<http://mapfinder.nos.noaa.gov>
NOAA Nautical Charts and Mapping—<http://mapfindr.nos.noaa.gov>
Ordering page for NOAA nautical charts—<http://chartmaker.ncd.noaa.gov/staff/prices.htm>

Newsletters & Newspapers:

Sanctuary Watch—an electronic newsletter updated monthly focusing on interesting programs and activities from throughout the sanctuary system.
<http://www.sanctuaries.nos.noaa.gov>
NOAA News—a comprehensive electronic newsletter that covers news and activities from all of NOAA's programs.
<http://www.noaanews.noaa.gov>
NOAA Report—a publication that covers topics about the National Marine Sanctuaries, and the other parts of NOAA such as National Weather Service and the National Marine Fisheries Service, among others.
<http://www.publicaffairs.noaa.gov/nr>

Program Documents:

National Marine Sanctuaries Act (16 U.S.C. 1431 et seq.)—the authorizing legislation for the National Marine Sanctuaries Program.

Web Links:

NOAA's Classroom at Sea—<http://classroomatsea.noaa.gov>
NOAA Central Library Internet Locator—<http://www.lib.noaa.gov/docs>
NOAA Corps Fleet—www.nc.noaa.gov/fleet.html
NOAA Ocean—<http://www.noaa.gov/ocean.html>
NOAA Teacher at Sea Program—<http://www.tas.noaa.gov>

Sustainable Seas Expeditions

735 State Street, Suite 617
Santa Barbara, CA 93101
805.963.3238
805.963.2438 fax
<http://sustainableseas.noaa.gov> and
<http://www.nationalgeographic.com/seas>

Brochures & Flyers:

Sustainable Seas Expeditions general one-pager—a five-year project of the National Geographic Society and the National Oceanic and Atmospheric Administration made possible by the Richard and Rhoda Goldman Fund.
DeepWorker 2000 Submersible spec sheet—capabilities and specs of the DeepWorker 2000 single person, one-atmosphere submersible.
SSE Web site one pager—comprehensive description of the official SSE Web site, details about the mission log, photo gallery, live events, and other related Web offerings.
Dr. Sylvia Earle biography one pager—one page biography of the Sustainable Seas Expeditions Project Director and National Geographic Society Explorer-in-Residence.
Frequently Asked Questions (FAQ)—answers to many of the frequently asked questions about the Sustainable Seas Expeditions project, its goals and objectives and the DeepWorker 2000 submersible technology.

Books:

Wild Ocean—America's Parks Under the Sea—written by Dr. Sylvia A. Earle, published by the National Geographic Society, about the nation's marine sanctuaries.
Hello Fish and Dive!—children's book written by Dr. Sylvia A. Earle, published by the National Geographic Society.

Posters:

Sustainable Seas Expeditions poster—two-sided, four color poster, which includes information about the *Expeditions*, the NMSP, DeepWorker 2000 and a history of submersible technology.

Videos:

SSE general video—an 8-minute introduction video produced by the National Geographic Society (8 minutes).
1999 SSE Mission Highlights video—25-minute video that summarizes the West and East coast SSE mission highlights for the 1999 field season produced by the National Geographic Society.
SSE Education Highlights (April–July 1999) video—education highlights Student Ocean Summits, Sanctuary Teacher Workshops, and Teacher-in-the-Sea education programs.
Sustainable Seas Expeditions: Hawaiian Style video—15-minute summary video produced by the National Geographic Society.

Stickers:

SSE sticker—waterproof, vinyl oval stickers with the *Sustainable Seas Expeditions* logo.

K-12 Curricula:

SSE Teacher Resource Book Units 1 and 2 (reprinted October 2000)—a comprehensive teacher's guide including background information on the National Marine Sanctuary Program, the *Sustainable Seas Expeditions*, and DeepWorker submersible technology. Resource book includes student investigations targeted for high school students, which can be adapted for various grade levels, and it also includes an extensive list of sanctuary resources available to the general public.

Volunteer Opportunities:

Sustainable Seas Expeditions intern—undergraduate and graduate volunteer interns assist with administrative tasks and provide support for local outreach and media events.

Sustainable Seas Expeditions outreach event volunteer—attends local outreach and media events as a representative for the *Expeditions*, i.e. ocean fairs, press events, and student ocean summits.

Web Links:

Aquarius—<http://www.uncwil.edu/nurc/aquarius>
Consortium for Oceanographic Research & Education—<http://core.cast.msstate.edu>
Delta Oceanographic—<http://azstarnet.com/~delta/index.html>
Harbor Branch Oceanographic Institution—<http://www.hboi.edu>
JASON Project—<http://www.jasonproject.org>
Monterey Bay Aquarium—<http://www.mbayaq.org>
Monterey Bay Aquarium Research Institute (MBARI)—<http://www.mbari.org>
Mote Marine Laboratory—<http://www.mote.org>
NASA Quest—<http://quest.arc.nasa.gov>
National Geographic Society—<http://www.nationalgeographic.com>
National Marine Educators Association (NMEA)—<http://www.marine-ed.org>
National Marine Sanctuary Program—<http://www.sanctuaries.nos.noaa.gov>
National Oceanographic Partnership Program (NOPP)—<http://core.cast.msstate.edu/NOPPg1.html>
National Ocean Service—<http://www.nos.noaa.gov>
National Undersea Research Program—<http://www.nurp.noaa.gov>
NOAA's Education Page—<http://www.education.noaa.gov>
Ocean Futures—<http://oceanfutures.com>
Reef Environmental Education Foundation (REEF)—<http://www.reef.org>
Sea Grant—<http://www.nsgo.seagrant.org>
The Bridge—<http://www.vims.edu/bridge/index.html>
The Cousteau Society—<http://www.cousteausociety.org>
Volunteering for the Coast—<http://www.volunteer.nos.noaa.gov>
Woods Hole Oceanographic Institution—<http://www.whoi.edu>

Visitor Centers:

National Geographic Society's Explorers Hall—a light weight life-size model of the DeepWorker 2000 submersible is on display as a permanent exhibit at Explorers Hall at the National Geographic Society, free of charge (1145 17th Street, NW, Washington, DC).

Channel Islands National Marine Sanctuary

113 Harbor Way
 Santa Barbara, CA 93109
 805.966.7107
 805.568.1582 fax
<http://www.cinms.nos.noaa.gov>

Brochures & Flyers:

Channel Islands National Marine Sanctuary general brochure—sanctuary regulations.
Diving in the Channel Islands National Marine Sanctuary brochure—provides dive maps complete with information on anchorage, good diving spots, shipwrecks, and sea lion rookeries.
Things to Do brochure—gives an overview of different activities visitors can do within the Channel Islands National Marine Sanctuary, also provides information on pinnipeds, whales, dolphins, and sharks.
Shipwrecks of the Channel Islands brochure—provides a historical perspective about each shipwreck site within the Sanctuary. Included is a map showing each of the shipwreck sites, information on public transportation to the islands, what to do if divers discover a shipwreck and safety tips for boaters.
Marine Educators Regional Alliance (MERA) brochure—a complete list of all the organizations that comprise this regional alliance.
SAMSAP Information brochure—compilation of marine mammal sighting and vessel traffic surveys.
Research Programs in the Sanctuary one pager
Management Plan Review Process one pager
Marine Reserves one pager

Newsletters & Newspapers:

Alolkoy—this free quarterly newsletter provides highlights about current research projects and educational programs within the Channel Islands National Marine Sanctuary. Components of the *Alolkoy* are available on the Web at www.cinms.nos.noaa.gov.
Annual Reports—an overview of the Channel Islands National Marine Sanctuary programs and activities.
Living Journal—available on the CINMS web site. Sanctuary staff and interns write entries to offer perspective on different sanctuary projects and events as well as local and national events involving Sanctuary resources (<http://www.cinms.nos.noaa.gov/publica.stm>).
List Serves—currently available for Sanctuary Advisory Committee (SAC), MERA and the general public.

Directories:

MERA Members Matrix—available electronically.

Books:

Window to the Channel—provides a look at the varied resources that make the Channel Islands National Marine Sanctuary a national treasure and includes a conservation message.
Marine Mammals of the North Pacific Region—a waterproof guide.

Posters:

Channel Islands Aerial View poster—aerial photograph showing the four

northern Channel Islands from the perspective of Anacapa Island looking west.

Sharks of the Channel poster—color poster showing the different kinds of sharks found within the Channel Islands National Marine Sanctuary.

Videos:

Introduction to the Channel Islands National Marine Sanctuary video

Charts:

NOAA Charts of the Channel Islands National Marine Sanctuary—currently available on-line at www.cinms.nos.noaa.gov

Discovery Cards:

Guide to Fishes of the Channel Islands—fish identification card.

K-12 Curricula:

Los Marineros Education Program curriculum—multidisciplinary approach to marine education for 5th graders. Available through the Santa Barbara Museum of Natural History.

Other Education/Outreach Materials:

Floating Key Chains—includes the CINMS web site address and is free to the public.

Channel Islands National Marine Sanctuary Tide Chart

Volunteer Opportunities:

Channel Islands National Marine Sanctuary interns—assist with research and educational outreach to support the Sanctuary goals and objectives.

Great American Fish Count (GAFC) survey—annual event where volunteer snorkelers and divers participate in fish survey dives and fill out scantron forms with the information about species observed and sighting frequency.

Outreach Event volunteers—these volunteers assist by providing information to the public about the sanctuary in annual events such as Harbor and Whale Festivals, and Earth Day.

Educational Opportunities

Informal Presentations—slide shows on different topics such as the natural history of the Channel Islands, resource protection and boater awareness, will soon be available for local organizations or civic clubs to check out or have a sanctuary representative present.

Sanctuary Cruises—During the summer months, the general public is invited to take a cruise out into the Channel Islands National Marine Sanctuary. Sanctuary staff and expert naturalists provide on-board presentations.

Web Links:

Cabrillo High School Aquarium—<http://www.site.yahoo.com/cabrillo>

California Department of Fish & Game—<http://www.delta.dfg.ca.gov/index.html>

Channel Islands National Park—<http://www.nps.gov/chis>

Island Packers—<http://www.islandpackers.com>

Los Marineros—<http://www.sbnature.org/losmar/mariner.htm.txt>

Love Lab—<http://id-www.ucsb.edu/lovelab/home.html>

Passage Productions—<http://www.passagepro.com>

RAIN Network—<http://www.rain.org>

Santa Barbara Museum of Natural History—<http://www.sbnature.org>

Santa Barbara Maritime Museum—<http://www.sbmm.org>

University of California, Santa Barbara Biodiversity Forum—<http://real.geog.ucsb.edu/bioforum>

Visitor Centers:

Outdoors Santa Barbara—a visitor center developed by the Channel Islands National Park, Channel Islands National Marine Sanctuary and U.S. Forest Service.

Sea Center—a visitor center of the Santa Barbara Museum of Natural History that contains exhibits on the Channel Islands National Marine Sanctuary.

Youth Activities Center—Channel Islands National Marine Sanctuary information and some exhibits available at the Channel Islands Harbor.

Santa Barbara Maritime Museum—shipwreck cultural resources exhibits.

Cabrillo High School Aquarium—Channel Islands National Marine Sanctuary exhibits are part of this high school aquarium.

Weather Kiosk—a touch screen located in the Santa Barbara harbor with web links to NOAA weather buoys and other pertinent information for boaters, fisherman, etc.

Cordell Bank National Marine Sanctuary

Fort Mason Building #201
 San Francisco, CA 94123
 415.561.6622
 415.561.6616 fax
<http://www.sanctuaries.nos.noaa.gov/oms/omscordell/omscordell.html>

Brochures & Flyers:

Cordell Bank National Marine Sanctuary fact sheet—an educational fact sheet that describes the unique features of Cordell Bank.

Newsletter and Newspapers:

Hydrosphere—bi-annual newsletter about the Gulf of Farallones and the Cordell Bank National Marine Sanctuaries. It includes articles about current research in the sanctuaries, educational offerings, volunteer programs, natural and cultural history of the sanctuaries, and field adventures.

Directories:

Marine and Coastal Educational Resources Directory—this directory lists marine and coastal educational organizations and agencies in the San Francisco and Monterey Bay areas. (\$3.95)

Posters

Harvestable Bounty of the Sea poster—past and present fishing boats used in the Gulf of Farallones and Cordell Bank National Marine Sanctuaries. (\$9.95)

Discovery Cards:

Discovery Card Sets—12 card sets with color photos, amazing facts, illustrations, and challenging animal quizzes. Available in the following subjects: marine mammals, gray whales, dolphins, humpbacks, and killer whales. (\$3.99)

Resource and Educational Packets:

Marine Education Resource Library for Teachers—this information contains a wealth of materials perfect for bringing the ocean into the classroom. Some resources available include: curriculum guides, children's books, reference books, and videos.

Visitor Center:

Gulf of Farallones National Marine Sanctuary Visitor Center—the visitor center includes exhibits on Gulf of the Farallones and Cordell Bank and is an ideal field trip.

Fagatele Bay National Marine Sanctuary

P.O. Box 4318
Pago Pago, American Samoa 96799
684.633.7354
684.633.7355 fax
<http://www.nos.noaa.gov/nmsp/FBNMS>

Brochures & Flyers:

Fagatele Bay National Marine Sanctuary general brochure
Our Fragile Coral Reef brochure (available English & Samoan)
Research and Monitoring brochure
Watching Samoa's Humpback Whales brochure

Books:

Pacific Coral Reef coloring book—targeted for middle school students (grades 6th-8th).

K-12 Curricula

Marine Science Summer Camp curriculum (high school level)—series of lesson plans with various activities, etc., used primarily through the summer.

Other Education/Outreach Materials:

Postcards of the Fagatele Bay National Marine Sanctuary
Tide Booklet

Volunteer Opportunities:

AmeriCorp volunteers—volunteer for two years on sanctuary related projects
Village volunteers—outreach programs in the villages
Environmental Organization group—coordinated by the sanctuary

Educational Opportunities:

EnviroDiscoveries—coordinated effort by the Environmental Education Group—fun, outdoor nature experience where children camp out for one week and get an introduction to research, field work, swimming lessons, etc. Offered during the school year and summer months.
Village Outreach and Le Tausag (the call of the birds)—coordinated effort by the Environmental Education Group (Le Tausagi), that conducts plays, videos and lectures as outreach events.
School Outreach—sanctuary staff, educators, volunteers, etc. work with teachers and students to give presentations at local schools, coordinated effort with Le Tausagi.

Web Links:

American Samoa Coastal Zone Management—
<http://wave.nos.noaa.gov/ocrm/czm/czmamericansamoa.html>

Florida Keys National Marine Sanctuary

P.O. Box 500368
Marathon, FL 33050
305.743.2437
305.743.2357 fax
<http://www.fknms.nos.noaa.gov>

Brochures & Flyers:

Florida Keys National Marine Sanctuary general brochure
Lower Florida Keys Region general brochure
Upper Florida Keys Region general brochure—new four color brochure designed primarily for boaters showing location of zone and mooring buoys, how to navigate, etc.
Sea Grass placard—information on sea grass and how to navigate.
Do Not Touch Corals! placard—laminated for dive shops and for display on dive boats, available in English, Spanish & German.
Monroe County Recreational Lobster brochure—describes rules and regulations for recreational lobster fishing, targeted for sport/recreational divers.
Yellow Buoy Information card—explains that yellow buoys enclose special protected areas (zoned) within the Sanctuary, describes what activities are permissible and what activities are not permissible in these areas.
Summary of What You Need to Know to Help Protect Sanctuary Resources brochure—contains sanctuary regulations.
Florida Keys National Marine Sanctuary, Past-Present-Future brochure—describes geological and natural history of the Keys, habitat descriptions, and contains a map of the Keys with ocean currents.
Keeping Your Bottom Off the Bottom brochure—boat grounding prevention brochure.
Rental Boat Employee Checklist—laminated checklist to go through with a customer when they are renting a boat.
Shipwreck Trail brochure—describes the shipwreck trail for divers (9 wrecks in all).

Newsletters & Newspapers:

Sounding Line Newsletter

Directories:

Florida Keys Environmental Education Resource Directory—1997 edition—a guide to organizations that offer information and resources on environmental education in the Florida Keys region.

Books:

Florida Keys Environmental Story—a series of articles written by experts describing the natural and cultural history of the Florida Keys. A teacher's activity guide is also available.

Posters:

Florida's Coral Reef Ecosystem
Reef Fishes of the Florida Keys National Marine Sanctuary

Videos:

Protecting Paradise-Florida Keys Safe Boating Tips—used by Coast Guard Auxiliary in boating classes and by high schools educators to teach navigation skills to students.
Boat Groundings-Much More than an Inconvenience—video for the general public.
Introduction to Florida Keys National Marine Sanctuary
Reef Cleaning Procedures—available local dive clubs and shops that conduct underwater clean-ups on reefs.

Charts:

Teall's Guide, Key Largo to Conch Key—foldout guide contains information about FKNMS and is based on NOAA charts of local waters.
Guide, Marathon to Key West—foldout guide contains information about FKNMS and is based on NOAA charts of local waters.

Stickers:

Florida Keys Safe Boating Tips decal—useful for boaters and ocean goers.

Discovery Cards:

Shipwreck Trails—describes for divers the 9 individual wrecks on the shipwreck trail, map and illustrations on one side and information about archaeological, historical and marine biology on the other side.

K-12 Curricula:

Build an Ocean—classroom activity in which elementary school students build a coral reef ecosystem using a blue backboard and cutout figures.

Resource & Educational Packets:

Presentations to groups and organizations by staff on a variety of topics related to FKNMS and the Florida Keys coral reef system.
Sea grass Tool Box—designed to provide facts and photographs about the importance of sea grass as a resource and the extensive damage done by boat hulls and propellers, available for teachers, businesses, organizations, and media.
Coral Reef Classroom (CRC)—program includes classroom visit and half-day boat trip to snorkel on the coral reefs. Available for Monroe

County middle and high school students. Participants learn to use water quality sampling equipment such as secchi disk, niskin bottle, refractometer, plankton tow net, and learn to snorkel.

Community Connection—eighth graders spend a day with the Florida Keys National Marine Sanctuary staff learning about resource protection, safe boating, and performing small job related tasks (2 students from Key Largo School per month in Spring).

Coral Shores High School Mentor Program and the Marathon High School Mentor Program—FKNMS staff serve as mentors for high school students investigating possible career choices. (November to May—Upper Keys-Spring only).

Teacher Grants (for Monroe County schools)—the Monroe County Environmental Education Advisory Council awards money provided by FKNMS for Monroe County school teachers to conduct "innovative environmental education" programs, related to the FKNMS.

Maritime Community Meetings—public meetings held periodically to update commercial and recreational users of the Sanctuary about current management issues, law enforcement concerns, research results and educational products and programs.

Other Education/Outreach Materials:

Education Permits—education permits are issued for a variety of education based activities. Examples: underwater filming, collecting for aquaria, student science projects, sampling during field education programs, picking up restricted species during field courses.

Waterways—ongoing weekly television series that features presentations about natural resources, scientific research, restoration activities pertaining to the Sanctuary.

Radio PSAs (Public Service Announcements)—marine environmental issues are presently addressed through 30-second "important messages" written and narrated by local middle school students and staff.

Volunteer Opportunities:

Great American Fish Count (GAFC) survey—annual event where volunteer snorkelers and divers participate in fish survey dives and fill out scantron forms with the information about species observed and sighting frequency.

Adopt-a-Reef—nine local dive shops participate from Key Largo to Key West to conduct underwater clean-ups of the Reef.

Team OCEAN—trained volunteer teams using the Sanctuary vessels are stationed at heavily visited reef sites during peak recreational boating seasons to educate and inform the public about the Florida Keys National Marine Sanctuary program, proper use of Sanctuary resources, and basic safety precautions.

Coral Reef Classroom assistants

Florida Keys National Marine Sanctuary intern program—check the FKNMS web site for more information.

Florida Keys NMS volunteer program—administrative assistant and volunteers help with the submerged resource inventory.

ReefMedic—volunteers will be trained on how to repair the reef and monitor damaged areas caused by small boat grounding incidents.

Visitor Centers:

John Pennenkamp State Park—exhibit wall about the Florida Keys NMS.

Flower Garden Banks National Marine Sanctuary

216 West 26th Street, Suite 104
Bryan, TX 77803
409.779.2705
409.779.2334 fax
[http:// www.sanctuaries.nos.noaa.gov/oms/omsflower/omsflower.html](http://www.sanctuaries.nos.noaa.gov/oms/omsflower/omsflower.html)

Brochures & Flyers:

Flower Garden Banks National Marine Sanctuary general brochure
Flower Garden Banks National Marine Sanctuary Mooring Buoy Coordinates flyer
Flower Garden Banks National Marine Sanctuary Boundary Coordinates flyer
Availability of Information on the Flower Garden Banks National Marine Sanctuary
List of Commercial Charter Vessel Operators in the Flower Garden Banks National Marine Sanctuary
The Flower Gardens: A Chronology of Research
Volunteer Opportunities of the Flower Garden Banks National Marine Sanctuary
Sea Turtles of the Atlantic and Gulf Coasts of the United States—a black and white illustration and text that lists a couple of distinguishing features of each species of turtle.

Books:

“Mass Spawning by Reef Corals in the Gulf of Mexico and Caribbean Sea: A Report on Project Reef Spawn ‘94” Gulf of Mexico Science—special Flower Garden Banks NMS issue.

Posters:

Reef Fishes of the Flower Garden Banks and Stetson Bank

Videos:

Flower Garden Banks National Marine Sanctuary video (11.5 minutes), coupled with “Our Favorite Home Video” un-narrated (7 minutes), targets upper high school to adults.
Reef Romance video (\$5.00)
Gardens Under the Sea video—48 minute award-winning documentary, targets upper high school to adult. (\$19.95)

Maps:

Flower Gardens Multi-Beam Image Atlas

Charts:

Flower Gardens Chart MS-1—a NOAA bathymetric (non-navigational) chart with mooring buoy locations and Sanctuary facts.

Other Education/Outreach Materials:

Flower Gardens Kids Page—Coral: Plant, Animal, or Mineral?
Flower Gardens Kids Page—Manta Rays!
Relative Density Experiment—Observing the Effect of Salt on the Density of Water.

Coral Feeding Simulation—group activity that is appropriate for 4th grade through high school.

Traveling Trunk—Several resource trunks are available (with coral skeletons, videos, activity sheets, etc.) for loan to educators.

Volunteer Opportunities:

Outreach Event and Presentation Volunteers—annual FGBNMS presentations to Houston 7th graders at the Houston Museum of Natural Science, as well as staff the FGBNMS exhibit at outreach events.

Educational Opportunities:

Annual Education Workshop and Field Excursion to the FGBNMS
Classroom presentations
Training sessions—available for volunteers who give Flower Garden Banks NMS presentations.

Web Links:

Cyberways & Waterways—
<http://www.tpwd.state.tx.us/expltx/eft/waterways/webcast.htm>

Visitor Centers:

Texas State Aquarium—exhibitory on the Flower Garden Banks.
San Luis Pass County Park—small video “lounge” where the Flower Garden Banks NMS video is among those shown in the collection.

Gray's Reef National Marine Sanctuary

10 Ocean Science Circle
Savannah, GA 31411
912.598.2345
912.598.2367 fax
<http://www.graysreef.nos.noaa.gov>

Brochures & Flyers:

Gray's Reef National Marine Sanctuary general brochure—discusses regulations of the sanctuary as well as providing details about many of the species which live, breed and migrate through the area, such as right whales and loggerhead sea turtles.

Newspapers & Newsletters:

Shades of Gray—(electronic and hard copy available)

Books:

Coastal Waters Handbook—guide to encourage the entire family to step out and enjoy the natural communities of Georgia.
An Illustrated Field Guide to the Fishes of Gray's Reef National Marine Sanctuary

Posters:

Rivers to Reefs poster
Invertebrates of the Reef poster
Northern Right Whales poster

Videos:

From Whaling to Watching—educational module (handbook, video and two-part poster).
Gray's Reef NMS video—produced by headquarters about the Gray's Reef National Marine Sanctuary.

Maps:

Fishing Chart

K-12 Curricula

The Northern Right Whale from Whaling to Watching curriculum
Out Back, Up Close—to help younger children explore and discover things in their own backyard.
Endangered Connections—educational module for grades 6-8 (two manuals and a two part poster).
Fresh and Flowing Water—educational module for grades 1-5 (two manuals and 6 posters).
Gray's Reef National Marine Sanctuary: An Educational Handbook—middle school level handbook.

Other Education/Outreach Materials:

Refrigerator Magnets

Volunteer Opportunities:

Administrative Tasks volunteer
Volunteers for Scoping Meetings
Ocean Fest volunteers
High School and College interns

Educational Opportunities:

Holy Sea Cow Batman, It's a Manatee presentation
Color of Gray's Reef general presentation
Thar she Blows, the Right Whale presentation
Rotary Club and Civic Groups, Fishing and User Groups (~3 x month)
Student Ocean Council—designed to introduce students to ocean science related fields or careers, at no cost to students or teachers, junior and senior level.

Visitor Centers:

University of Georgia Marine Extension Service Aquarium—hosts Gray's Reef NMS exhibits.
Tybee Marine Science Center—hosts Gray's Reef NMS exhibits.

Gulf of Farallones National Marine Sanctuary

Fort Mason Building #201
 San Francisco, CA 94123
 415.561.6622
 415.561.6616 fax
<http://www.nos.noaa.gov/nmsp/gfnms/welcome.html>

Brochures & Flyers:

Gulf of Farallones National Marine Sanctuary general brochure—a full color map with information about the Sanctuary.
Education Resource Library brochure
Pinnipeds of the Gulf of the Farallones NMS
Intertidal Habitat of the Gulf of the Farallones NMS
GFNMS, CBNMS, and MBNMS: Sanctuaries of the central California Coast

Newsletters & Newspapers:

Hydrosphere—bi-annual newsletter about the Gulf of Farallones and the Cordell Bank National Marine Sanctuaries. It includes articles about current research in the sanctuaries, educational offerings, volunteer programs, natural and cultural history of the sanctuaries, and field adventures.
NOAA's Bark—bi-annual volunteer newsletter

Directories:

Marine and Coastal Educational Resources Directory—this directory lists marine and coastal educational organizations and agencies in the San Francisco and Monterey Bay areas. (\$3.95)

Posters:

Marine Mammals of the Gulf of Farallones poster—a map of the Gulf of Farallones National Marine Sanctuary with illustrations of 23 marine mammals that call the Sanctuary home. (\$9.95)
Los Pajaros de Los Esteros poster—"Birds of the Estuaries" is a watercolor of the birds that frequent the Gulf of Farallones National Marine Sanctuary. (\$9.95)
Gulf of the Farallones National Marine Sanctuary Mural poster—a mural of the underwater open ocean habitat around the Farallon Islands.

Discovery Cards:

Discovery Card Sets—12 card sets with color photos, amazing facts, illustrations, and challenging animal quizzes. Available in the following subjects: marine mammals, gray whales, dolphins, humpbacks, and killer whales. (\$3.99)

Resources and Educational Packets:

Marine Education Resource Library for Teachers—this library contains a wealth of materials perfect for bringing the ocean into the classroom.
Rocky Intertidal Teachers and Educators Packet—the Farallon Marine Sanctuary Association (FMSA) is developing a series of sanctuary habitat packets for use in educational settings. Two versions of the packet are available—elementary or secondary school level.(\$5.00)
General Information Packet on the Gulf of the Farallones—available and free to the public.

Slide Shows—presentations on GFNMS species and habitats available to teachers and the general public.

K-12 Curricula:

Project Ocean—an exciting education program that turns K-6 grade classrooms into marine ecosystems.

Volunteer Opportunities:

SEALS, A Seal Interpretation and Monitoring Program—this program trains volunteers to monitor harbor seal behavior and educate the public about responsible behavior around wildlife.

Beach Watch—trains citizen-scientists to survey and document the resources of the sanctuaries.

Visitor Center—volunteers receive training on the Gulf of Farallones and educate the public about the sanctuary and its resources.

Internship Program—undergraduate and graduate students assist researchers and staff to facilitate the goals of the sanctuary.

Educational Opportunities:

Adopt-A-Beach—25 San Francisco schools participate in this program at the Golden Gate National Recreation Area; students learn first about the beach and its communities and then join a coastal clean-up.

School Programs—at the Presidio visitor center.

Teacher-at-Sea program—Gulf of the Farallones NMS offers the Teacher-at-Sea program that allows local teachers to participate in research cruises and the *Sustainable Seas Expeditions*.

Lecture Series—one every other month (6/year).

Field Adventures—a naturalist takes out public members.

Web Links:

Farallones Marine Sanctuary Association (FMSA)—
<http://www.farallones.org>

Visitor Centers:

Gulf of Farallones National Marine Sanctuary Visitor Center—the visitor center includes exhibits on Cordell Bank and Gulf of the Farallones National Marine Sanctuaries and is an ideal field trip. It is filled with fascinating facts and fun activities about the sanctuaries. At the visitor center, you can interact with animals in the sanctuaries at a touch tank, glimpse under the sea at the sanctuaries through the aquarium, see a real white shark jaw, touch the fur of sea otters and seals, discover animals underneath the microscope, and imagine giant whales filtering tiny shrimp-like krill through baleen.

Pacific Visitor Center—this visitor center highlights recreational activities in the Sanctuary and is a great place to see an adult male sea lion skeleton.

Hawaiian Islands Humpback Whale National Marine Sanctuary

726 South Kihei Road

Kihei, HI 96753

808.879.2818

808.874.3815 fax

<http://www.hihwnms.nos.noaa.gov>

Brochures & Flyers:

Welcome to the Hawaiian Islands Humpback Whale National Marine

Sanctuary general brochure—official map and brochure of the Hawaiian Islands Humpback Whale National Marine Sanctuary, regulations, boundaries, and projects.

Ko'ie'ie Fishpond—one page brochure on the ancient Hawaiian fishpond located in front of the Maui Sanctuary office.

Volunteering for the Humpback Whale National Marine Sanctuary—one page flyer on the volunteer programs at the Maui office.

Humpback Whale Approach Regulations—waterproof, pocket size card with federal approach regulations.

Pehea 'Oe E Hiki Ke Ho'omalu I Ka Moana (What you can do to protect the ocean)—one page flyer on guidelines that you can follow to help protect our ocean environment. (available in English & Hawaiian)

Top Ten Questions Regarding the Hawaii Sanctuary—popular one page brochure addressing the most frequently asked questions concerning the Hawaii Sanctuary.

What has the Hawaii Sanctuary Done for Hawaii? brochure—discusses the various projects that the Hawaii Sanctuary has initiated or co-sponsored in Hawaii.

Na Meakanu o Hawai'i Nei (The Plants of Hawaii)—identification booklet of the terrestrial plant species that exist at the Maui Sanctuary office; created by a volunteer and a student intern.

The Cultural Importance of Whales in Hawai'i brochure—used to promote and educate the community about the Hawaiian culture and the connection between the culture and whales.

Hawaii Marine Mammal & Sea Turtle Viewing Guidelines brochure—guidelines for safe wildlife watching.

2000 Sanctuary Happenings brochure—printed quarterly.

Books:

Sea Turtle coloring book—an introduction to Hawaii's sea turtles and conservation techniques (available in English & Hawaiian).

Pacific Coral Reef coloring book—tri-lingual coloring book (Hawaiian, Samoan, and English) on the importance and conservation of the coral reef.

Kohola and Kolea Children's Story coloring book—based on a story from the Marshall islands concerning the plover and the humpback whale (available in English & Hawaiian).

Ocean User's Guidebook—user manual of the various federal regulations pertaining the marine mammals and turtles in Hawaii.

Posters:

The Kohola (Humpback Whale) poster

Stickers:

I Love Whales: Hawaiian Islands Humpback Whale National Marine Sanctuary sticker

Discovery Cards:

Species Cards—four of the federally protected species found in Hawaii—the humpback whale, sea turtle, dolphin and monk seal are each depicted on a one page sheet.

Enforcement Cards

Resources and Educational Packets:

Teacher Kits—teacher packets, whale models, and videotapes available upon request.

Activity Sheets—Whale Migration, Whale Quiz, Whale Connect the Dots, Mammal Size Comparison, Humpback Whale Scramble, and Whale Behavior Identification.

Other Education/Outreach Materials:

Ocean Buttons/Ocean Magnets—children design and color ocean buttons and magnets.

Whale Puzzle—six-foot puzzle is a favorite activity for children.

Whale of Fortune game—popular interactive game, children and adults spin a wheel and then answer questions concerning whale behavior, biology and fun facts.

Whale Tail—life size whale tail used to demonstrate the size of humpback whales.

Scavenger Hunt—designed to supplement displays in the Education Center and requires students to search for answers to questions about specific displays and general Sanctuary information, i.e. sanctuary boundaries, turtles, whales, etc.

Whale Migration Maze—a walk-through display of humpback whale's migration from Alaska to Hawai'i (approx. size is 40ft x 40ft).

Volunteer Opportunities:

Education Center (Maui Headquarters) volunteers—help run the education center, including tours of the center, library work, and development of new education materials.

Annual Public Events volunteers—help at outreach events.

On site (Maui Headquarters)volunteers—help with office work, gardening, building facilities and special events.

Educational Opportunities:

Ocean User's Enforcement Workshop—annual workshop to promote better understanding of Federal protected species regulations and watchable wildlife ethics.

Volunteer Orientation—half-day orientation.

Windjammer Cruises—complimentary whale watch cruises for Maui school children.

Monthly Lecture Series (Maui)—held the second Tuesday of the month, this free lecture series provides an opportunity for Maui residents and visitors to learn more about Hawai'i marine environment.

Annual Lecture Series (Kaua'i)—held in conjunction with annual family ocean fair at Kilauea Point.

School Visits—sanctuary staff journeys to classrooms to conduct educational activities on humpback whales, the sanctuary and the *Sustainable Seas Expeditions*.

Site Visits at Maui Education Center—a variety of educational hands-on activities are used to teach students of all ages about the sanctuary, whales, Ko'ie'ie Fishpond, limu (seaweed), turtle, native Hawaiian coastal plants and the adjacent sand dune ecosystem.

Sanctuary Ocean Counts—annual count of whales and other marine mammals from shore-based locations around the islands.

Kauai's Children's Discovery Museum—annual sponsorship of ocean/Sanctuary-related exhibitry.

Careers on the Waters (O'ahu)—annual ocean career awareness day on board the *Navatek*.

Web Links:

Hawai'i Whale Research Foundation—<http://www.hwrf.org>

Marine Option Program—<http://www2.hawaii.edu/mop>

Ohi'a Productions—<http://www.ohia.com>

Whale Watching Web site—<http://www.physics.helsinki.fi/whale>

Visitor Centers:

Hawaiian Islands Humpback Whale National Marine Sanctuary Visitor Center—located in Kihei at the Maui Headquarters.

Sea Life Park (Oahu)—existing display of National Marine Sanctuary Program.

Maui Ocean Center (Maui)—display on the HIHWNMS.

Kaua'i Sanctuary Office—indoor display for planned and new sanctuary office in Lihue.

Monitor National Marine Sanctuary



c/o The Mariners' Museum
100 Museum Drive
Newport News, VA 23606
757.599.3122
757.591.7310 fax
<http://www.nos.noaa.gov/nmsp/monitor>

Brochures & Flyers:

Monitor National Marine Sanctuary general brochure

Comprehensive bibliography—a bibliography of Monitor-related material, with periodic supplements.

The Ten Most-Often Asked Questions About the Monitor National Marine Sanctuary

Plans of the Monitor—blueprints of scale drawings of the ship and the turret can be provided upon request.

Biography of John Erickson

Why the Monitor is Designated a Sanctuary flyer

Significant Dates in the History of the Monitor flyer

Current State of the U.S.S. Monitor Shipwreck flyer

Newsletters & Newspapers:

Cheesebox newsletter—periodic activity report is written for a general audience and contains current information on Monitor-related activities including on-site research, exhibits, management issues, and historical notes.

Books:

A Natural History of the Monterey Bay National Marine Sanctuary Sanctuary Explorations

Posters:

Are you Feeding Our Wildlife?—water quality poster.
Grand Canyon of Monterey Bay poster (\$12.95)
Storm Drains Lead Straight to the Ocean poster—water quality produced for the protection program.
Good Cleaning Practice poster—for the Auto Repair Industry.
Good Cleaning Practice poster—for the Food & Restaurant Industry.

Videos:

Visitor's Guide to the Monterey Bay National Marine Sanctuary (12 minutes)
Watersheds to Seashores (25 minutes)

Maps:

Bathymetric and Topographic Map—of the Monterey Bay National Marine Sanctuary (\$19.95)

Charts:

Monterey Bay National Marine Sanctuary—nautical chart.

Stickers:

Kid's artwork sticker—“I love the ocean!” Monterey Bay National Marine Sanctuary.

Discovery Cards:

Fishwatching Dive Card—Channel Islands and Monterey Bay fishes.

K-12 Curricula:

Sanctuary Science—K-6 packets and 7-12 grade level
The Land—Sea Connection—teacher activities to accompany new map.

Resources and Educational Packets:

Monterey Bay National Marine Sanctuary general slideshow—20-25 minutes.

Other Education/Outreach Materials:

Recycled pencils—blue (recycled blue jeans) and green (recycled money) pencils with MBNMS web address listed.

Educational Groups:

Sanctuary Education Panel

Volunteer Opportunities:

Urban Watch volunteer program—monitor storm drains; approximately 15 volunteers/year.
Monterey Bay National Marine Sanctuary internships—the following internship opportunities are available to undergraduate or graduate

college students. For an accurate list of what opportunities are available—http://www.mbnms.nos.noaa.gov/educate/ed_volun.html
BEACHCOMBER volunteers—a beach monitoring pilot study, utilizing volunteers to sample selected sections of beach for dead marine birds and mammals.
SOS's Sanctuary Stewards program—volunteer program dedicated to preserving the ecological integrity of California's central coast.
CMC's Baynet program—an innovative field docent program to enhance public awareness and understanding of the Monterey Bay National Marine Sanctuary, its wildlife, policies and programs.
Water Quality and Watershed Monitoring—volunteer opportunity in Santa Cruz through the Coastal Watershed Council.

Educational Opportunities:

Presentations—volunteers conduct presentations on behalf of the Monterey Bay NMS.
Teacher Workshops—annual event that focus on teaching educators how to conduct water quality or intertidal monitoring with students.
Model Urban Runoff Program (MURP)—work with different cities to get them to reduce urban run-off.
Informal training—available in kayak shops and displays set up in Monterey kayak and dive shops.
Sanctuary Education Panel—meets six times a year.
Sea Camp—a week-long ocean science education and conservation residential program, targeting 5th grade level.

Visitor Centers:

State Parks—MBNMS permanent exhibits at visitor centers & parks.
Monterey Bay Aquarium—some information on MBNMS throughout aquarium at various exhibits.
Friends of the Elephant Seal in Cambria—volunteer group with visitor center with MBNMS displays.
MBNMS Visitor Center—located at 299 Foam Street in Monterey, CA.
San Carlos Park—memorial to David Packard, exhibits on Monterey Bay NMS.

Olympic Coast National Marine Sanctuary

.....
 138 West First Street
 Port Angeles, WA 98362
 360.457.6622
 360.457.8496 fax
<http://www.ocnms.noaa.gov>

Brochures & Flyers:

Olympic Coast National Marine Sanctuary general brochure
The Shipwreck, Austria—fact sheet

Newsletters & Newspapers:

Supplemental Articles for the Olympic National Park—approx. 4-page insert to the National Park publication.
Sanctuary Advisory Committee Annual Report

during the summer months that help in public outreach and research capacities.

Docent Program—a docent program of trained volunteers who will be available to represent the sanctuary at public events and offer education programs to local schools.

Visitor Centers:

Sanctuary Exhibit—(April-October) at the Independence Mall, Kingston, MA. This display area features photographs of important sanctuary species and information about the sanctuary and its resources.

Thunder Bay National Marine Sanctuary

.....
 2205 Commonwealth Blvd.
 Ann Arbor, MI 48105-2945
 734.741.2270
 734.741.2176 fax
<http://www.glerl.noaa.gov/glsr/thunderbay>

Additional Educational Resources

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Coral Reef Alliance—<http://www.coral.org>
International Year of the Reef—<http://www.coral.org/IYOR>
Reef Relief—<http://www.reefkeeper.org>

Educational Resources:

Association of Zoos and Aquariums—<http://www.aza.org>
Center for Marine Conservation—<http://www.cmc-ocean.org>
Classroom Connect—<http://www.classroom.net>
Earthwatch—<http://www.earthwatch.org>
EPA Oceans—<http://www.epa.gov/owow>
Estuarine Research—
http://www.nos.noaa.gov/ocrm/nerr/nerrs_education.html
Environmental Defense Fund—<http://www.edf.org>
GOALS (Global Online Adventure Learning Site)—
<http://www.goals.com>
Great American Fish Count—<http://www.fishcount.org>
Harbor Branch Oceanographic Institution—<http://www.hboi.edu>
Hawksbill Turtles—<http://www.topia.com/hawksbill>
Live from Antarctica 2—<http://quest.arc.nasa.gov/antarctica2>
Love Lab—<http://id-www.ucsb.edu/lovelab/index.html>
Marine Biology Web—
<http://life.bio.sunysb.edu/marinebio/mbweb.html>
Marine Sanctuaries—<http://www.sanctuaries.nos.noaa.gov>
Marine Science Careers—<http://www.marinecareers.net>
Monterey Bay Aquarium—<http://www.mbayaq.org>
Monterey Bay Aquarium Research Institute—<http://www.mbari.org>

Mote Marine Laboratory—<http://www.mote.org>
Mystic Aquarium—<http://www.mysticaquarium.org>
NASA's Earth Science Enterprise—<http://www.earth.nasa.gov>
National Geographic Society—<http://www.nationalgeographic.com>
National Science Teacher's Associations—<http://www.nsta.org>
New Millennium Observatory—
http://newport.pmel.noaa.gov/nemo_cruise98
NOAA's Classroom at Sea—<http://classroomatsea.noaa.gov>
NOAA Central Library Internet Locator—<http://www.lib.noaa.gov/docs>
NOAA Corps Fleet—www.nc.noaa.gov/fleet.html
NOAA Ocean—<http://www.noaa.gov/ocean.html>
NOAA Teacher at Sea Program—<http://www.tas.noaa.gov>
NPR Radio Expeditions—<http://www.npr.org/programs/RE/>
Ocean Futures—<http://www.ocean.futures.org>
Ocean Net—<http://www.oceannet1.com>
Ocean Sciences Teacher Education Resource—
<http://www.vims.edu/bridge>
Save our Seas—<http://planet-hawaii.com/sos>
Sea Grant Marine Careers—<http://www.marinecareers.net>
The Nature Conservancy—<http://www.tnc.org>
Year of the Ocean—<http://www.yoto98.noaa.gov>

Fisheries:

Building Sustainable Fisheries—
<http://www.noaa.gov/nmfs/sustain.html>
National Marine Fisheries Service Stats and Economics—
<http://www.st.nmfs.gov/st1/recreational/index.html>
National Marine Fisheries—<http://www.nmfs.noaa.gov>

Hydrothermal Volcanoes:

Adventure Under the Oregon Coast—
<http://www.teleport.com/~samc/seas/deep1.html>
NOAA Vents Program—
<http://www.pmel.noaa.gov/vents/geology/video.html>
VENTS Program—<http://www.pmel.noaa.gov/vents/home.html>

Maps:

Digital Images or electronic charts—<http://www.maptech.com>
Environmental Protection Agency's Maps on Demand—
<http://www.epa.gov/enviro/html/mod/mod.html>
NOAA Maps—<http://mapfinder.nos.noaa.gov>
NOAA Nautical Charts and Mapping—<http://mapfinder.nos.noaa.gov>
Ordering page for NOAA nautical charts—
<http://chartmaker.ncd.noaa.gov/staff/prices.htm>

Marine Mammal Migration:

Journey North—<http://www.learner.org/jnorth>
Sea Turtle Tracking Program—<http://www.cccturtle.org/sat1.htm>
Turtle Migration Data—<http://www.nos.noaa.gov/nmsp/grnms>
Whale Net—<http://whale.wheelock.edu>
On the Trail of the Right Whale—www.rightwhale.noaa.gov

Oceans, Coasts, and Tides:

Adopt-A-Beach Program—<http://www.glo.state.tx.us>

Adopt the Coast Action Kit—

<http://www.nos.noaa.gov/ocrm/pcd/outreach.html>
National Data Buoy Center—<http://www.ndbc.noaa.gov>
Tide Predictions—<http://tidesonline.nos.noaa.gov>

Online Data:

Activities Using Research Data—<http://www.oar.noaa.gov>
Environmental Services Data Direct—<http://www.esdim.noaa.gov>
National Geophysical Data Center—
<http://www.ngdc.noaa.gov/ngdc/ngdcsociety.html>
National Weather Service—<http://www.nws.noaa.gov>
Project YOTO Drifters—<http://www.drifters.doe.gov>
Reef Environmental Education Foundation—<http://www.reef.org>

Online Expeditions:

JASON Project—<http://www.jasonproject.org>
Ocean Adventure—<http://library.thinkquest.org/18828>
Reefs of the Gulf—<http://gulftour.tamu.edu/home.html>
Franck Goddio Society—<http://www.underwaterdiscovery.org>
University of Washington “REVEL Project”—
<http://www.ocean.washington.edu/outreach/revel>

Satellite Imagery:

Satellite imagery—<http://terraserver.microsoft.com>
SeaWiFS Project—<http://seawifs.gsfc.nasa.gov>
Topex Poseidon—<http://www.jpl.nasa.gov>

SCUBA Diving:

Divers Alert Network (DAN)—<http://www.diversalertnetwork.org>
Great American Fish Count—<http://www.fishcount.org>
NOAA Diving—<http://www.dive.noaa.gov>
Scuba Central—<http://www.scubacentral.com>

Shipwrecks and Archaeology:

Links to Technical Diving—<http://www.scubacentral.com>
Links to Underwater Archaeological Resources—
<http://fiat.gslis.utexas.edu:80>
Nautical Archaeology Program, Texas A & M University—
<http://nautarch.tamu.edu>
Submerged Cultural Resources, National Park Service—
<http://www.nps.gov/scru/home.htm>

Submersibles:

Alvin—<http://www.marine.who.edu/ships/alvin/alvin.htm>
Designing a Submersible—<http://www.32ndparallel.com/custom.htm>
Extreme 2000—Voyage to the Deep—
<http://www.ocean.udel.edu/deepsea/>
National Undersea Research Program—
<http://www.ucc.uconn.edu/~wwwnunc/nurp.html>
Nuytco Research Ltd.—<http://www.nuytco.com>
ROV Tiburon—<http://www.mbari.org/rd/tiburon/index.html>
Submersibles—<http://www.rcboats.com>

Submersibles Bathyscaph Scale Models Alvin Trieste—

<http://www.globaloutlet.com>
Woods Hole Oceanographic Institute's ROVs—
<http://www.marine.who.edu/ships/rovs/rovs.htm>
Woods Hole Oceanographic Institute's Future Directions—
http://www.marine.who.edu/ships/future_directions.htm

Teacher Resources:

Earth and Sea Investigations—<http://www.earthsea.org>
Hotlinks page—<http://members.aol.com/rmt1838/hotlinks.html>
Ocean Research Group—<http://www.oceanresearch.org>
Resources for Teachers—<http://www.csun.edu/~vceed009>
Sea Grant Teacher Resources—
<http://www.mdsg.umd.edu/NSGO/whatisseagrant.html#education>
Sea Grant News Media Center—<http://www.seagrantnews.org>
The Difference between Weather and Climate—
<http://www.ogp.noaa.gov/library/library.htm>
Weather Education—
<http://www.nws.noaa.gov/er/btv/html/wxeduc.html>
Whale Sounds—<http://www.cetaceanresearch.com>

Weather:

El Niño and Climate Prediction—
<http://www.pmel.noaa.gov/toga-tao/el-nino>
El Niño Homepage—<http://www.ogp.noaa.gov/enso>
National Hurricane Center—
<http://www.hurricanehunters.com/welcome.htm>
NOAA Ship on El Niño Watch—
<http://pmel.noaa.gov/tao/kaimi/index.shtml>
NOAA Weather Radio—<http://www.nws.noaa.gov/nwr/nwrbro.htm>
Sea Education Association—<http://www.seaeducation.org>
Weather Education—<http://www.nws.noaa.gov/om/educ/educ2.htm>
Weather Education—<http://www.nws.noaa.gov/om/edures.htm>
Weather Education Information in the Regions—
<http://www.nws.noaa.gov/regions.shtml>

Books and Articles:

Anonymous. 1994. *Fish. The Tragedy of the Oceans*. *The Economist* 330 (7855): 13-14; 21-24.
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 Chadwick, Douglas H. 1998. *Blue Refuges: U.S. National Marine Sanctuaries*. *National Geographic* 193 (3): 2-31.
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 Cuyvers, Luc. 1993. *Sea Power: A Global Journey*. Annapolis: Naval Institute Press.
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- Earle, Sylvia A. 1999. *Hello Fish*. Washington, DC.: National Geographic Society.
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- National Science Teachers Association. 1992. *Earth: The Water Planet Curriculum*. Grades 6-10, 204 pp.
- National Science Teachers Association. 1993. *Earth at Hand Curriculum*. Grades 5-10, 176 pp.
- National Science Teachers Association. 1997. *Decisions-Based on Science Curriculum*. Grades 9-10, 144 pp.
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8. The amount of time my students spent on *Sustainable Seas Expeditions* was:
0–1 hours 1–2 hours 3–5 hours 6–8 hours 8–10 hours More than
10 hours

9. Was there an *Expeditions* Student Summit in your area? Yes No
If yes, did your students attend? Yes No
Did your students share their projects with others? Yes No
If yes, how valuable was this experience to their learning?
Very valuable *Not very valuable*
1 2 3 4 5

10. I am interested in participating in *Sustainable Seas Expeditions* again next year.
Strongly agree *Agree* *Not sure* *Disagree* *Strongly disagree*
1 2 3 4 5

11. Circle the parts of the *Sustainable Seas Expeditions* Teacher Resource Book that you feel need improvement:
Background Information Investigations Teacher Resources

12. Suggestions for improvement:

13. Did you notice student learning as a result of using these materials? Please explain your observations and conclusions.

14. Are there any activities, background information, or resources for teachers and students that you recommend adding to or deleting from these materials?

Please send your completed Evaluation Form to:
Sustainable Seas Expeditions
Attention: Teacher Resource Book
735 State Street, Suite 617
Santa Barbara, CA 93101