

DRAFT



COLLABORATIVE NETWORK

Marine Protected Area Outreach, Education and Ambassador Programs September 2016 DRAFT

Please send any corrections or additions to paul.hobi@resources.ca.gov

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DEL NORTE

1. Redwood State and National Parks Outreach and Education

Contact: Brett Silver – brett.silver@parks.ca.gov

Program Description: Redwood State and National Parks maintains a staff of permanent and seasonal professional interpreters and volunteers. Skills include interpretive program development and presentation, interpretive training, wayside and publication design and development, outdoor education, and web and social media.

Audience: Visitors to Redwood Parks; Students

Resources: 5 Visitor Centers (some seasonal) between Orick and Crescent City; 2 outdoor education centers; Large social media presence; regularly scheduled interpretive programs (summer primarily) including coastal interpretation; wayside panels; publications

<https://www.nps.gov/redw/learn/education/index.htm>

Partners: Established partnerships between National Park Service, California State Parks, Yurok Tribe, and Tolowa Dee-ni' Nation

2. Crescent City Harbor District

<http://www.ccharbor.com/>

Contact: Charlie Helms, Harbormaster

Program Description: Charlie Helms is trying to start guided walks in the Crescent City Harbor. This would be an ideal venue for incorporating messages and materials about MPAs.

3. North Coast District PORTS Program

Brief description of the project/program – The Parks Online Resources for Teachers and Students (PORTS) program is a free distance learning program that connects K-12 students with State Parks while aligning with Common Core standards. An “park ranger” (interpreter) videoconferences live with individual classrooms from either a green screen studio or from the field. The North Coast Redwoods PORTS program offers redwood ecology and salmon lifecycle videoconferences. The salmon lifecycle program has component that highlights Pyramid Point SMCA and how it may benefit salmon migration.

Purpose or goal of the project/program: To provide high quality distance learning programs to K-12 students to teach Common Core curriculum in the context of California State Parks.

Intended Audience: – K-12 students; local and international. Primarily living in cities and inexperienced with parks and preserves. However, we also present to adults upon request.

Frequency of events/trainings/tours: – 300 programs per year

Partnership/participation incentives: – California Fish and Wildlife, Humboldt County Office of Education

HUMBOLDT COUNTY

1. Friends of the Dunes

Contact: Suzie Fortner: fortner.suzanne@gmail.com

Program Description: Docent- guided tours of dunes ecosystems, children's field trips and classroom presentations, coastal naturalist trainings, wide range of interpretive materials, trailhead kiosks, Humboldt media promotion, participation in Cal Coast Snapshot BioBlitz.

Audience: Families, general public

Resources: <http://www.friendsofthedunes.org/>

MPAs incorporated into docent trainings/education efforts?: Samoa SMCA incorporated into BioBlitz and interpretive walk for Underwater Parks Day. MPA poster displayed in visitor center. Room for other MPA inclusion.

2. Kayak Zak's

Contact: info@kayakzak.com

Program Description: Guided Kayak tours at Big Lagoon, Stone Lagoon, Trinidad Cove and Stone Lagoon Visitors Center

Audience: Tourists, recreationalists

Resources: www.Kayakzak.com + Facebook, Youtube

MPAs incorporated into docent trainings/education efforts? Not currently but could

3. Redwood Edventures

Contact: Beth Chaton : bchaton@humboldt.k12.ca.us

Program Description:

Salmon in the Classroom: Instructors and their students set up an aquarium in the classroom, receive fish eggs under a special CDFW permit, and observe the fish as they hatch and develop.

Get Outside and Explore: Series of short videos about the things you can find when visiting Humboldt County's Coastal Habitats.

Quests: Scavenger hunts with interpretive clues that lead through many north coast parks. **PORTS:** video conference learning (see above)

Audience: K-12 students and teachers

Resources: <http://www.redwood-edventures.org>

MPAs incorporated into docent trainings/education efforts? Some in PORTS, not in other programs yet

4. BLM - King Range

Contact: Justin Robbins: jrobbins@blm.gov

Program Description: Potential to train Wilderness Rangers to be MPA Ambassadors. Rangers hike the Lost Coast Trail every day and talk to a large number of hikers.

Audience: Recreationalists

Resources:

http://www.blm.gov/publish/content/ca/en/prog/nlcs/King_Range_NCA.html

MPAs incorporated into docent trainings/education efforts? Yes. Big Flat, Sea Lion Gulch

5. Humboldt Collaborative: MPA India Pale Ale (MPA IPA)

Contact: Delia Bense-Kang: delia@yournec.org

Program Description: Custom made MPA labels on Six Rivers Brewery's standard IPA beer.

Audience: Northern California drinkers

Partners: Six Rivers Brewery

MPAs incorporated into docent trainings/education efforts? Yes, all North Coast MPAs listed

6. Humboldt MPA Chocolate

Contact: Delia Bense-Kang: delia@yournec.org

Program Description: Custom made MPA labels on Humboldt Chocolate bars.

Audience: General chocolate eating public

Partners: Humboldt Chocolate

MPAs incorporated into docent trainings/education efforts? Yes, list of all Humboldt MPAs

7. North Coast Junior Lifeguards

Contact: Keven Harder: keven.harder@parks.ca.gov

Program Description: Program dedicated to sharing beach and ocean safety information, as well as providing a program of physical fitness, first aid, CPR and exposure to ocean oriented sports and activities.

Audience: ages 9-15

Resources: https://www.parks.ca.gov/?page_id=26889

Partners: CA State Parks

MPAs incorporated into docent trainings/education efforts? No formal inclusion. JGs were given short presentation on MPAs from MPA Outreach Coordinator.

8. Humboldt Area Saltwater Anglers (HASA)

Contact: Casey Allen, longfish@humboldt1.com

Program Description: Newsletter and website targetting Humboldt area recreational anglers.

Audience: North Coast recreational anglers

Resources: <http://humboldttasa.com/>

Partners:

MPAs incorporated into docent trainings/education efforts? Yes; articles about MPAs.

MENDOCINO

1. Beach Watch: Greater Farallones National Marine Sanctuary

Contact: Kirsten Lindquist: klindquist@farallones.org

Program Description: Coastal monitoring program that trains community members and scientists to collect data on live and dead wildlife, human uses, and oil on Sanctuary beaches. Established in 1993, it continues bimonthly surveys on 57 beaches from Ano Nuevo in San Mateo County to Manchester Beach in Mendocino. Currently has 140 volunteers. Beach Watch trainings occur every 1-2 years. Beach Watch surveys occur every 2 weeks.

Audience: The intended audience of the data includes: resource managers (National Marine Sanctuary, National Park, State and County Parks, Preserves, and Fish and Game wardens), researchers, and general public.

Resources: <http://beachwatch.farallones.org/>

Partners: California State Parks

MPAs incorporated into docent trainings/education efforts? 19 surveys are inside MPAs and 38 are outside. Beach Watch became a member organization of MPA Watch in 2014 and since that time shares data and collaborates with the MPA Watch Network. Beaches inside and outside MPAs can be used to document status and changes inside vs outside MPAs. Baseline data helps managers and researchers identify unusual mortality events in wildlife, and measure damages in the case a human caused event such as an oil spill.

2. Mendocino Coast Audubon Society

Contact: audubon@MCN.org

Program Description: Field trips, board meetings, monthly birding walks

Audience: General public

Resources: http://www.mendocinocoastaudubon.org/mcas_info.html

3. Reefcheck - North Coast Region

Contact: Anna Neumann : anemann@reefcheck.org

Program Description: Reef Check Foundation exists to help preserve the oceans and reefs which are critical to our survival, yet are being destroyed.

Audience: General public

MPAs incorporated into docent trainings/education efforts?

MPAs incorporated into docent trainings/education efforts? Sometimes do general MPA outreach, nothing that qualifies as ambassador program yet.

4. CA Indian Water Commission:

Contact: Atta Stevensen: atta.mipa@gmail.com

Program Description: Provides a Tribal forum for California Tribes, (both federally and non-federally recognized), Tribal People, and communities residing in California to have a voice in water planning, protection of our sacred water, and educating the public about Tribal water rights, and traditional cultural ecological stewardship.

Audience: General public/tribes

Resources: <http://www.itwatercommission.org/about/>

5. Mendocino Ab Watch

Contact: Bill Lemos: blemos@mcn.org

Program Description: Like MPA watch but with emphasis on abalone pickers.
Currently on hiatus.

Audience: General public/fishing community

Partners: Mendocino MPA Collaborative

MPAs incorporated into docent trainings/education efforts? Yes, when program is running

6. Potter Valley Tribe/Mendocino MPA Collaborative

Contact: Theo Whitehurst: pvtepattech@pottervalleytribe.com

Program Description: Potter Valley has taken the lead on outreach booths and educating youth and adults for the public and tribal people about MPA areas in Mendocino county. It's all about talking with the local community and getting their perspective and working with local fish and water recreational entities

Audience: Public and tribal community

Partners: Mendocino MPA Collaborative

MPAs incorporated into docent trainings/education efforts? Yes, all Mendocino MPAs

7. Mendocino State Parks

Contact: Fred Andrews: fred.andrews@parks.ca.gov

Program Description: Parks Interpretive Program - outreach to public that are camping in campsites. On-site outreach to public about what's going on. MPAs can be part of rotation of topics - around 17 programs/week in the summer. Team of volunteer docents - doing seal monitoring/seal walks. Could throw plug in for MPAs on docent led student trips – what is MPA/why they are important.

Audience: Tourists/General Public

8. Noyo Marine Center - Docent Program

Contact: Sheila Semans: Sheila@noyocenter.org

Program Description: Volunteers are trained to be docents of the Noyo Marine Visitors Center and areas surrounding the center. Hosted MPA BioBlitz at Frolic Cove.

Audience: General Public

Resources: <https://city.fortbragg.com/375/Noyo-Center-Development>

Partners: Mendocino MPA Collaborative

MPAs incorporated into docent trainings/education efforts? Some Mendocino MPA info is included in training. Would appreciate having more MPA materials to train docents/hand out to the public.

9. Mendocino High School SONAR (School of Natural Resources)

Contact: Tyler Grinberg: grinberg.tyler@gmail.com

Program Description: Students learn the scientific protocols for actual field research, and how to write accurate science reports. The data the students collect is used by CA DFG and NOAA. Students learn about MPAs as they conduct studies – 2016 project was in Big River MPA.

Audience: High School Students

SONOMA

1. Sonoma County Water Agency

Contact: ryan.pedrotti@scwa.ca.gov

Program Description: Sonoma-Marin Saving Water Partnership, Don't Move A Mussel, Safe Medicine Disposal Program, Save Our Water, Sonoma County Youth Ecology Corps, Our Water Is..., Chinook/Coho/Steelhead Anglers Education, Our Watershed Stories, Water Matters Series, Saving the Bay Documentary, Water for Tomorrow: Online magazine

Audience: General Public/youth

Resources: <http://www.scwa.ca.gov/community/>

2. Bodega Marine Lab

Contact: Suzanne Olyarnik

Program Description:

Inquiry-based Science Outreach Pods: Pods are kits of supplies for activities that are aligned with Common Core and Next Generation Science Standards. Explore a variety of topics in marine biology, geology, and environmental studies.

Marine Lab Resources: Friday afternoon docent-led tours/trainings; Educational venue, Space for educational signage (can be expanded), Tours for special events (Fisherman's Festival), On-staff boating/safety/diving trainings for public agencies,

Summer camp, High school program, Video display, Website – Bodega Ocean Observation Node (BOON) – popular w/ surfers

Audience: k-12 students/educators, general public

Resources: <http://bml.ucdavis.edu/education/isopods/>

MPAs incorporated into docent trainings/education efforts? Yes.

3. LIMPETS – Greater Farallones National Marine Sanctuary

Contact: Abbey Nickels: anickels@farallones.org

Program Description: LiMPETS (Long-term Monitoring Program and Experiential Training for Students) is a citizen science program for students, educators and volunteer groups. Citizen scientists monitor the coastal ecosystems of California's national marine sanctuaries, increasing awareness and stewardship of these important areas. The statewide program connects over 6,000 citizens annually to the ocean, involves them directly in a hands-on scientific endeavor and increases their knowledge of the marine environment, creating a new generation of informed and engaged ocean stewards. The power of LiMPETS lies in the large quantity of data collected at more than 60 sites and over 600 miles of California coastline. Annually, thousands of people collect baseline data. By monitoring, teachers, students and community groups become the eyes and ears for our coastal beaches and rocky shores, detecting changes and possible problems, often before anyone else.

Audience: 9th grade to college for the Rocky Intertidal Monitoring Program; 6th grade to college for the Sandy Beach Monitoring Program

Resources: www.limpets.org

MPAs incorporated into docent trainings/education efforts? LiMPETS data have informed the Monterey Bay National Marine Sanctuary Condition Report, were published in the National Marine Sanctuary Conservation Series, and helped establish a baseline of key indicator species for the new system of California Marine Protected Areas (MPAs).

4. Stewards of the Coast and Redwoods

Contact: Michelle Luna: michele@stewardscr.org

Program Description:

Whale Watch: MPA Information given at docent trainings that happen once per year. 6-10 Docents monitor every weekend January - end of May. 13,000 docents averaging 15,600 hours/year total.

Seal Watch: MPA Information given at docent trainings once per year. Docents monitor from March 1-Labor Day. 5,250 Docents work average of 420 hours/year total.

Stewardship Program: Newest docent program. Needs Volunteer coordinator, program manager, several naturalists.

General Outreach: Docents talk to visitors about MPA display. About 1,500 people visit per year. Presentations to school groups.

Audience: General public – visitors to Sonoma Coast

Resources: <http://www.stewardscr.org/cms/pages/index.html>

MPAs incorporated into docent trainings/education efforts? Not currently.

Going to incorporate MPA video into docent trainings when completed. Hoping to get funding for kiosk including MPA info/

5. Sonoma State Parks

Contact: Brenden O'neil: brendan.o'neil@parks.ca.gov

Program Description: State Parks cover 50% of the Sonoma Coast – including all MPAs except Del Mar. Emphasis on terrestrial vs. marine. Involved in seabird issues via Coastal National Monument. Leveraging relationships with other groups. Facilitating research; providing support. MPA monitoring; citizen science. Seasonal lifeguards; interpretive staff.

Cojo Recovery Project- touches numerous agencies including DFW, UC Extension, NMFS.

Issue Scientific Collection Permits (100/year); Trail Signage CDPs. Monitor SLC leases.

Work with tribes to facilitate collection.

Audubon – winter birding event. Plover monitoring at State Parks in conjunction with Point Blue. Unit data inspection – internal monitoring in Sacramento

Audience: general public, tourists

Resources: http://www.parks.ca.gov/?page_id=451

Partners: DFW, Audubon, UC Extentison, NMFS?

MPAs incorporated into docent trainings/education efforts? Not currently.

6. Sonoma Surfrider Chapter

Contact: Cea Higgins : sonomacoastsurfrider@comcast.net

Program Description: Monthly beach cleanups, ocean water quality testing, monitoring for marine debris, membership and support of the Sonoma MPA collaborative and efforts to facilitate the film-making process, Youth education programs on safety and marine debris impacts, coastal access trail projects & renovating/redesign of more effective coastal trail access markings and interpretive panels on wildlife

Audience: general public

Partners: Sonoma MPA Collaborative

MPAs incorporated into docent trainings/education efforts? Not currently.

7. Sea to School - Marine Mammal Center

Contact: Phil Warren : phil@jeanwarren.com

Program Description: The program formerly known as Whale Bus travels to your site and brings learning to you with real marine mammal specimens such as bones, pelts, and baleen. All presentations include hands-on activities and exploration of specimens. Programs teach students about the lives of marine mammals, our work at the hospital and marine conservation.

Audience: K-12

Resources: <http://www.marinemammalcenter.org/education/sea-to-school/>

Partners:

MPAs incorporated into docent trainings/education efforts? Not currently.

8. Beach Watch (see description under Mendocino)

GOLDEN GATE

(San Francisco and Marin Counties)

1. Golden Gate Collaborative Ambassador Program

Contact: David McGuire: sharkfilms@gmail.com

Program Description: The ambassador work group is tasked with developing tools and stakeholder engagement to help increase awareness about marine

protected areas and set backs, and minimize incursions by fishermen into protected areas in MPAs around San Francisco and Marin Counties. Our Ambassadors are divided into On-Shore and Off-Shore ambassadors. A specialized, waterproof brochure has been developed targeting fishermen and public at the South East Farallon Island, Fitzgerald Marine Reserve, Duxbury Reef and Point Reyes. Onshore teams help provide training to educators, docents and others who are interacting along the coast (eg MPA Watch, Beach Watch and LIMPETS programs). Off shore team members include charter boat captains and whale watch vessels who engage with the public near the marine protected areas off shore.

Audience: General Public; Boaters visiting the Farallon Islands

Resources: Waterproof map based brochures; MPA Ambassador hats.

Partners: MPA Watch, Beach Watch, LIMPETS, RLF

MPAs incorporated into docent trainings/education efforts? Yes, South East Farallon Island, Fitzgerald Marine Reserve, Duxbury Reef and Point Reyes

2. Beach Watch - See description under Mendocino

3. California Academy of Sciences: Citizen Science Program

Contact: Rebecca Johnson: rjohnson@calacademy.org

Program Description: Program to train volunteers to be citizen scientists. Primary goal is for Citizen Scientists to record biodiversity observations.

Audience: General Public

Resources: <http://www.calacademy.org/explore-science/academy-citizen-science-projects>

Partners:

MPAs incorporated into docent trainings/education efforts? Transitioning to incorporate more MPA info.

4. Cal Academy of Sciences: Rocky Shore Naturalist Program

Contact: Rebecca Johnson: rjohnson@calacademy.org

Program Description: Brought school groups to Duxbury Reef for tide pool interpretation. Rocky shore naturalist program, Duxbury Reef tide pool

interpretation. Work with county to be out with school groups. Do MPA education.

Audience: Bay Area school groups

Partners: Previously partnered with Greater National Marine Sanctuary, County

Resources:

<http://www.calacademy.org/explore-science/academy-citizen-science-projects>

MPAs incorporated into docent trainings/education efforts? Incorporated MPA info, with a focus on Duxbury Reef.

5. Point Reyes National Marine Sanctuary

Contact: John Golda: john_golda@nps.gov

Program Description: Visitor Center in-front of Lighthouse, sometimes talk about the MPA since it is right out front. Winter Wildlife Docent Program, talk about Elephant Seals and whales.

Audience: General Public

MPAs incorporated into docent trainings/education efforts? Not yet but would be happy to have info to incorporate in staff and docent trainings.

6. Marin MPA Watch (Environmental Action Committee of West Marin)

Contact: Morgan Patton: morgan@eacmarin.org

Program Description: MPA Watch Marin is part of a state-wide network of organizations that train the public to become citizen-scientists through the recording of human activities within our network of California Marine Protected Areas. Trainings occur twice a month at specific beach locations during the summer. In the Fall and Winter we have one training a month.

Audience: General Public, target college students, high school, and middle school students to teach them about citizen-science and our MPAs.

Partners: The Marin MPA Watch program provides access to events (ex. lectures), volunteer gifts, additional training and outreach opportunities at locations like the California Academy of Science and Point Reyes National Seashore.

Resources: <http://www.marinmpawatch.org>

MPAs incorporated into docent trainings/education efforts? Yes

7. Shark Stewards

Contact: David McGuire : sharkfilms@gmail.com

Program Description: Sharktober – month long outreach. 10,000 k-12 class visits. 7,000 public education. Public speaker series. Fieldtrips for underserved youth. Trips to the Farallones.

Audience: General Public

Resources: <http://sharkstewards.org>

MPAs incorporated into docent trainings/education efforts? Yes

8. Romberg Tiburon Center for Environmental Studies, San Francisco State University

Contact: Karina J Nielsen knielsen@sfsu.edu

Program Description: Education and research in marine science (including coastal ecology & oceanography; marine conservation and restoration); MPA Monitoring baseline studies & monitoring, esp. sandy beaches, in NCC, SC & NC regions; SF Bay National Estuarine Research Reserve, NOAA Sentinel Site Cooperative, Coastal Training Program; Informal marine science education, communications and outreach; Elementary and secondary teacher training workshops related to marine sciences; Science policy

Audience: Students/public

Resources: <http://rtc.sfsu.edu/>

MPAs incorporated into docent trainings/education efforts? Yes

9. Seabird Protection Network

Contact: Sage Tezak: sage.tezak@noaa.gov

Program Description: There are currently four chapters: Greater Farallones National Marine Sanctuary, who manages the founding Chapter, Bodega Head – Point Sur, facilitate program expansion and incorporates chapters as they develop. Helps seabirds thrive by sharing tips with coastal and ocean users on how to protect seabirds and stay seabird aware while you are boating, hiking, paddling or flying along the coast. Concentrates boater education on state special closures.

Audience: Ocean goers, boaters and pilots

Partners: Greater Farallones National Marine Sanctuary

Resources: <http://seabirdprotectionnetwork.org>

MPAs incorporated into docent trainings/education efforts? Yes

10. Aquarium of the Bay

Contact: Brian Baird: brian@bay.org

Program Description: Film/lecture series; MPA exhibit; 3 minute MPA Educational video (Aquarium and Ocean Conservancy collaboration); 600,000/year dissemination hub

Audience: General Public

Partners: Gulf of the Farallones National Marine Sanctuary

Resources: www.bay.org

MPAs incorporated into docent trainings/education efforts? Yes

11. LIMPETS – please see Sonoma

12. Beachwatch – please see Mendocino

SAN MATEO

1. Coastside Parks Association

Contact: Janet Oulton: janet@CoastsideStateParks.org

Program Description:

Collaborated with the California State Parks Foundation and State Parks to secure funding for the Año Nuevo Marine Education Center (a \$2.8 million project) and courtyard. Provided funding for the completion of the visitor center at Half Moon Bay State Beach. Coordinated funding for the creation of the interpretive center in the fog signal building at Pigeon Point Light Station. Assisted with the procurement of a disabled access van to make Año Nuevo accessible to everyone. Supports the annual Pigeon Point Light Station Lighting Anniversary Celebration. Provides funding for the State Park docent and volunteer programs at State Parks along the San Mateo coast—supporting over 300 State Park volunteers.

Audience: Visitors to the San Mateo Coast

Partners: State Parks

Resources: <http://www.coastsidestateparks.org>

MPAs incorporated into docent trainings/education efforts?

2. San Mateo County Parks

Contact: Carla Schoof, cschoof@smcgov.org

Program Description:

Assist Fitzgerald Marine Reserve Visitors and Protect Marine Life: The Reserve is a popular destination that often attracts more than 1,000 people a day, especially when tides are very low. Now a MPA, Park rangers and volunteers are working to educate visitors on how they can experience all that the Reserve has to offer through an observation only approach. New volunteer roles include Seal Monitors and Reserve Greeters. All volunteers will be trained so they can share information about animal and plant life at the reserve and understand safety procedures and radio use.

Docents: Educate visitors about the unique features and history of the parks. All docents receive training and support before they lead groups.

Audience: Visitors to the San Mateo Coast

Partners: Friends of Huddart and Wunderlich County Parks, Friends of Fitzgerald Marine Reserve, Friends of Flood Park, San Bruno Mountain Watch, Friends of Edgewood County Park and Natural Preserve, Friends of San Pedro Valley County Park, Trail Center

Resources: <http://parks.smcgov.org/county-parks>

MPAs incorporated into docent trainings/education efforts? Yes

3. Pigeon Point Light Station - Hostel

Contact: interp@parks.ca.gov

Program Description: The old lighthouse staff housing buildings have been converted to a hostel run by Hosteling International. The lighthouse tower is closed to visitation, but it is beautiful to see from the outside. There is an accessible boardwalk that leads out to the end of the point with an overlook to view waves, birds, and marine animals including elephant seals. There is a visitor center and bookstore.

Audience: Visitors to the San Mateo Coast

Partners: State Parks

Resources: <http://www.californiabeaches.com/beach/pigeon-point-light-station-state-historic-park/>

MPAs incorporated into docent trainings/education efforts?

4. Half Moon Bay State Beach

Contact: HMBParksVolunteer@parks.ca.gov

Program Description: Programs: Jr. Rangers, Little Ocean Explorers, Campfire programs, guided tours, geochaching, swimming, surfing, interpretive exhibits

Audience: Visitors to the San Mateo Coast

Partners: State Parks

Resources: https://www.parks.ca.gov/?page_id=531

MPAs incorporated into docent trainings/education efforts?

5. Año Nuevo State Park

Contact: Mike Merritt : Mike.Merritt@parks.ca.gov

Program Description: At Año Nuevo State Park our MPA program is spread out to various interpretive components:

MPA Sign – There is an MPA interpretive panel located at an overlook within our Natural Preserve.

MPA Brochure – There is a brochure available in our visitor center that provides information about the Año Nuevo State Marine Conservation Area.

MPA Docent Training – Every fall we provide 2 hours of MPA training to within our docent training class. This information is then passed on from our docents to park visitors.

Elephant Seal Guided Walks – On many occasions Año Nuevo docents highlight the Año Nuevo MPA during their guided walk programs given from Dec 15 to March 31.

Self Guided Walks – From April to Nov visitors can explore the Natural Preserve where the elephant seals are located. During this time docents are stationed at wildlife overlooks to interpret for park visitors. Here docents occasionally discuss the MPA with visitors.

Año Nuevo State Park Official Website – We have a link on our official webpage that provides information about the Año Nuevo MPA.

Audience: All park visitors

Partners: Most of our partnership comes from NOAA; California Marine Sanctuary Foundation.

Resources: http://www.parks.ca.gov/?page_id=26928

MPAs incorporated into docent trainings/education efforts? Sometimes

6. Friends of Fitzgerald

Contact: Marsha Cohen: ddvannelli@yahoo.com

Program Description: School tours for approximately 5000 children over 3rd grade, Self guided tour brochure, "Critter" guide, Docent training, Community philanthropy (research projects, scholarships, etc.), Community outreach/involvement, Roving naturalists, Marine Mammal outreach and education. Environmental Volunteers conducts tours for school children at FMR. GFNMSA runs LIMPETS Program at Fitzgerald

Audience: General Public

Partners: San Mateo County Parks

Resources: www.fitzgeraldreserve.org

MPAs incorporated into docent trainings/education efforts? Yes

7. Half Moon Bay State Junior Lifeguards

Contact: Junior Lifeguard Coordinator : (650) 726-8806.

Program Description: The Half Moon Bay Junior Lifeguard program's goal is to educate the community's youth about ocean safety and recreation. Through extensive ocean interaction, exploration, and recreation, the Half Moon Bay Junior Guards gain a well-rounded education that can be utilized on and off the beach. After four weeks down at Dunes beach, each Junior Guard will have a heightened awareness and knowledge of the expansive Pacific Ocean and its dangerous, yet wonderful, coastline.

Audience: Ages of participants is 9 – 15 years old.

Partners:

Resources:

MPAs incorporated into docent trainings/education efforts? No

8. Beach Watch - See description in Mendocino

9. California Academy of Sciences - See description in Golden Gate

10. Seabird Protection Network - See description in Golden Gate

SANTA CRUZ

1. California Marine Sanctuary Foundation

Contact: Rikki Dunsmore : rikki@californiamsf.org

Program Description:

Statewide Coastal Tourism outreach

CMSF works with coastal tourism websites, local city and county parks and recreation, ocean recreation businesses and chambers of commerce to enhancing their marketing by promoting underwater parks as a destination attraction in California. CMSF targets high profile resources in every region to upload/link to MPA information that potentially reach millions of tourists a year (101 things to do in Humboldt County, Visit California website, Discovery Route 1 Highway). To achieve this, MPA information was disseminated down into a more palatable format and targeted outreach was conducted to facilitate the integration of underwater parks content into existing internet portals. CMSF also meets with or talks to these same venues to offer brochures, exhibits, posters, messaging, web links, and resources on MPAs and explore ways to inform the public.

Statewide Google MPA tour Promotion

CMSF promotes the Google MPA Tours including the use of social media platforms, partner distribution lists, requests to Collaboratives, and targeted outreach to tourism and ocean recreation business websites. Several successful linkages have been developed TO and FROM the tours with various tourism websites (Highway 1 Discovery Route, Visit Marin, Visit Santa Cruz), ocean recreation businesses (Explore North Coast), State Parks (Año Nuevo State Park), and partner organizations websites (Save our Shores, Thank You Ocean, Santa Barbara ChannelKeeper)

Central and North Central Coast MPA training programs

CMSF trains volunteers, docents, staff and the public in regular and ad hoc trainings in locations across the state on MPAs including (Pt. Lobos Foundation, Sonoma County Parks, Santa Cruz Port Authority). Powerpoint presentations and webinars, and resources are shared across the state to help facilitate standardized messaging.

Statewide Harbor/Marina Outreach Program

This program targets marinas and harbors across the state to integrate MPA content into a broad range of opportunities. Existing MPA resources are distributed to through list-serves, harbor websites, marketing of the CDFW mobile app, and integration of MPA information into the Department of Boating and

Waterways' mobile app. and publications. Various approaches including hard copy, social media, list serves, and local news outlets for reaching harbor masters and boaters are conducted at marinas across California. Boaters MPA webpages are created for harbors across the state. Content is tailored for each of the specific regions, with details on the local MPAs within travelable distance of each harbor. We attend and exhibit at marina and harbor events, and have created content for Department of Boating and Waterways tide books and publications; Attend boat shows, established relationships with marine vendors, created products for distribution for vendors including developing a boat show flyer for use for stores. Get MPA content into Tidebooks (different regions across the state, and different publication companies). Trainings at California Statewide Harbormasters meetings on MPAs, and display booths and distribution of MPA content. Repurpose MPA signs for harbors and post in prominent locations where boaters frequent- bait shops, fish cleaning stations, bathrooms across the state. Create, print, and place distribution boxes of brochures in prominent locations around boat launches and marinas. Write and place articles in popular ocean enthusiast magazines (Latitude 38) across the state.

Ocean Recreation Business Outreach

This program targets ocean recreation businesses across the state to integrate MPA content into a broad range of opportunities. Website content creation and uploading, posters, framed posters, brochures, maps. Give trainings and presentations to kayak, SCUBA, waterfront locations, stores and clubs on MPAs, wildlife disturbance and ocean conservation (as well as climate change).

MPA Family Fun Outreach Program

Create and maintain a statewide MPA geocache - 22 currently. Modify, create and distribute kids activities books, MPA magnets, scavenger hunts, puzzle games, and kids fun facts to interpretive programs, kids camps, and outreach centers across the state.

Audience: Docents, whale watching, dive clubs, kayak shops, tourists, boaters etc.

Partners: Ocean businesses, docent programs, NGOs and Marinas

Resources: MPA Brochures; comprehensive document listing interpretive resources. All listed on <http://www.californiampas.org>

MPAs incorporated into docent trainings/education efforts? Yes

2. Junior Lifeguards

Contact: Dan Perry: dan.perry@parks.ca.gov

Program Description: The Junior Lifeguard program is a unique and challenging aquatic program for young people. Goals of the JG program are to promote water safety and environmental awareness.

Audience: Ages of participants is 9 – 15 years old.

Partners: State Parks

Resources: http://www.parks.ca.gov/?page_id=27056

MPAs incorporated into docent trainings/education efforts? No

3. Seymour Center - UCSC

Contact: Allison Gong; ajgong@ucsc.edu; Lauren Donnelly-Crocker
ldonnell@ucsc.edu

Program Description: Family Tours, field trips, Sunday Seaside crafts, aquarium, exhibits, docent program

Audience: families, youth, public

Partners: UCSC

Resources: <http://seymourcenter.ucsc.edu/visit/>

MPAs incorporated into docent trainings/education efforts? Yes

4. O'Neill Sea Odyssey

Contact: Dan Haifley: dhaifley@oneillseaodyssey.org

Program Description: Online resources for teachers and students. Oceanography programs with components in and out of classroom.

Audience: General Public/youth

Resources: <http://oneillseaodyssey.org>

MPAs incorporated into docent trainings/education efforts? Yes

5. Santa Cruz Children's Museum of Discovery

Contact: Patrice Keet : patricekeet@sccmod.org

Program Description: School field trips, exhibits, volunteers. MPA Exhibit geared towards children funded and co-developed by SC Collaborative. Working on lessons learned document for distribution.

Audience: Young children and their parents

Partners: Santa Cruz Collaborative

Resources: <http://www.sccmod.org>

MPAs incorporated into docent trainings/education efforts? Yes

6. Save Our Shores

Contact: Jenna Brogan : jenna@saveourshores.org

Program Description:

Dockwalkers: Provide one-on-one outreach in local harbors to help boaters appropriately discard of used oil and waste products as well as share best clean boating practices. Dockwalkers engage boaters about the problem of small oil spills, providing boaters with tools like oil absorbent pads to clean up spills, and informing boaters of oil collection services in local harbors. California Coastal Commission adopted it in 2000 and took the program statewide.

Volunteers: dynamic team working to protect and preserve the Monterey Bay National Marine Sanctuary.

Sanctuary Stewards: make school presentations, lead beach cleanups, participate in community events, and work on all sorts of special projects, from making costumes to data entry. In-house training once every other month.

Internships: Range from office administration, to marine education presentations in the classroom, to leading beach cleanups, developing programs, organizing special events, and fundraising.

Adopt-a-beach: Adopters commit to at least three beach cleanups a year at adopted beach.

Audience: Boaters; students; oceangoing public.

Partners: CCC, CCC Boating Clean and Green Program, CA Dept Boating and Waterways,

Resources: <http://saveourshores.org/volunteer/>

MPAs incorporated into docent trainings/education efforts? Yes

7. State Parks Natural Bridges

Contact: Martha Nitzberg : mnitzberg@parks.ca.gov

Program Description: Historical/Cultural Site, Picnic Areas, Exhibits and Programs, Guided Tours, Beach Area, Vista Point, Nature & Wildlife Viewing, Windsurfing/Surfing, Family Programs, Geocaching. Collaborated with Santa Cruz Collaborative on Mobile MPA Education Cart.

Audience: Visitors to Natural Bridges State Park

Partners: Santa Cruz MPA Collaborative

Resources: http://www.parks.ca.gov/?page_id=541

MPAs incorporated into docent trainings/education efforts? Yes

8. Friends of Santa Cruz State Parks

Contact: parks@thatsmypark.org

Program Description: Entrepreneurial nonprofit sustaining the legacy of our state parks and beaches. Friends funds educational programs, visitor services and capital projects.

Audience: youth, general public

Partners: California State Parks, local community support

Resources: <http://www.thatsmypark.org/about/>

MPAs incorporated into docent trainings/education efforts?

9. Sanctuary Exploration Center

Contact: Chelsea Prindle (Center Manager) chelsea.prindle@noaa.gov

Program Description:

Field Trips: Beach Exploration/Beach Cleanup: Sanctuary naturalists will lead your group in an interactive activity to learn about the animals, algae and human debris commonly found in sandy beach habitats. Age: K-5th grade

Docents: Working side by side with MBNMS staff, docents will have the opportunity to interpret exhibits to the public, conduct guided tours, assist in daily operations, and participate in events and programs.

Baynet: Coastal program of volunteers who interpret along West Cliff Drive and do a bit of MPA/Sanctuary education. See Monterey for further description.

Audience: Youth, public, students

Partners: NOAA's Office of National Marine Sanctuaries (ONMS) collaborated with the [City of Santa Cruz](#) and the [National Marine Sanctuary Foundation](#)

Resources: <http://montereybay.noaa.gov/vc/sec/volunteer.html>

MPAs incorporated into docent trainings/education efforts? Yes

10. SC Museum of Natural History

Contact: Sue Creswell: slcreswell@hotmail.com

Program Description:

Collaborative members developed an MPA exhibit at the Santa Cruz Children's Museum of Discovery that educates children five and under.

Audience: Youth, public, students

Partners: Santa Cruz Collaborative

MPAs incorporated into docent trainings/education efforts? Yes

MONTEREY

1. Monterey Collaborative - MPA Business Ambassadors

Contact: Kerry Nickols, CSU Monterey Bay: knickols@csumb.edu

Program Description: CSU Monterey Bay students surveyed four local dive shops to assess their level of MPA outreach; found that there was very little (if any) MPA information given to divers. Shops expressed a desire for brochures and posters, but MPAs are not part of the curriculum for NAUI and PADI dive certification programs. Collaborative members want to put together packets of information to give dive shops to distribute to their divers, but acknowledged that raising awareness is more complicated than just distributing information.

Audience: Dive shops, divers.

Partners: Monterey Collaborative

Resources: Paper with conclusions on MPA outreach to dive shops and local divers.

MPAs incorporated into docent trainings/education efforts? Yes.

2. Monterey Bay National Marine Sanctuary: Team Ocean and Bay Net

Contact: Lisa Emmanuelson: lisa.emmanuelson@noaa.gov

Program Description:

The Monterey Collaborative has funded Team Ocean and Bay Net to incorporate MPAs into their trainings, and docents have already spoken to over 2,000 people on MPAs since the program was implemented in mid 2015. Program coordinators were able base trainings off of existing materials, and use brochures produced by the Sanctuary Foundation to hand out to the public at Elkhorn Slough.

Additionally, Docent Craig Noke had attended Sanctuary Foundation Docent All Star Training, and was able to use materials from that to help with trainings.

Docents have received annual trainings, as well as a special lecture from CDFW Captain Don Kelly.

Bay Net: Bay Net Volunteer Naturalists have engaged the public since 1995 by introducing the Monterey Bay National Marine Sanctuary and local wildlife that can be easily seen from shore with binoculars and spotting scopes. These dedicated volunteers wearing blue jackets are instrumental in educating about harbor seal mothers and their pups at local pupping beaches.

Team Ocean: The Sanctuary's Team OCEAN Program puts trained, knowledgeable naturalists out on the water in sanctuary kayaks, to greet and interact with fellow day kayakers. The naturalists serve as docents for the marine sanctuary, promote respectful wildlife viewing, and protect marine mammals from disturbance.

Audience: Kayakers in Monterey Bay; Visitors to the Monterey Peninsula

Partners: Monterey Bay Collaborative

Resources: Training materials.

MPAs incorporated into docent trainings/education efforts? Yes.

3. Elkhorn Slough National Estuarine Research Reserve

Contact: Dave Feliz, Manager, Dave.Feliz@wildlife.ca.gov

Program Description: ESNERR hosts a volunteer docent program with trainings each year. Volunteers lead walks for the general public, participate in hosting school groups, work on habitat restoration, coastal clean-ups, greet visitors in the Visitor Center, assist with office duties and work on research projects.

Audience: General public, school and community groups.

Partners: Calif. Dept of Fish and Wildlife, NOAA, Elkhorn Slough Foundation

Resources: <http://www.elkhornslough.org/esf/>

MPAs incorporated into docent trainings/education efforts? Yes

4. Elkhorn Slough Foundation

Contact: Mark Silberstein: marksilberstein@elkhornslough.org

Program Description: The Elkhorn Slough Foundation owns the land designated as the Moro Cojo Slough MPA. ESF is an accredited land trust and has worked with many partners to restore lower portions of Moro Cojo. ESF works closely with the ESNERR and hosts students and volunteers on projects and activities both in Moro Cojo and in the Elkhorn Slough. ESF has an active volunteer program and works with students from North Monterey County High School in sponsoring an after school program that gets students into the field.

Partners: ESNERR, CDFW, NOAA, TNC, Coastal Conservancy, North Monterey County High School

Resources: <http://www.elkhornslough.org/esf/>

MPAs incorporated into docent trainings/education efforts? Yes

5. Monterey Bay Coastkeeper - The Otter Project

Contact: Steve Schimek: exec@otterproject.org

Program Description: As part of our effort to protect sea otter habitat, The Otter Project has been heavily involved with the formation of Marine Protected Areas (MPAs) along California's central coast. In order to foster compliance with the regulations of these MPAs, The Otter Project trains a network of volunteers to monitor resource use in and around MPAs from Año Nuevo State Park to Point Buchon in San Luis Obispo. Volunteers are trained to identify onshore and offshore ocean activities and collect data on resource use. (MPA Watch)

Audience: General public

Resources: <http://www.otterproject.org/what-we-do/>

MPAs incorporated into docent trainings/education efforts? Yes

6. California Collaborative Fisheries Research Program

Contact: Rick Starr : starr@mlml.calstate.edu

Program Description: To examine the effects of MPAs on local marine resources, CCFRP actively monitors four specific areas (Año Nuevo State Marine Conservation Area, Point Lobos State Marine Reserve, Piedras Blancas State Marine Reserve and Point Buchon State Marine Reserve). Since 2007, CCFRP has utilized local charter boats and the help of numerous volunteer anglers to study these MPAs, and has held community meetings to discuss results

Audience: Fishermen; charter boat captains.

Partners: CA Sea Grant at Moss Landing Marine Laboratories (MLML) and SLOSEA/Center for Coastal Marine Sciences at Cal Poly San Luis Obispo as well as the captains and crew of F/Vs Admiral, Caroline, Chubasco, Fiesta, Huli Cat, New Captain Pete, Pacific Horizon, Patriot, Princess, Queen of Hearts, Rita G, Salty Lady and Tigerfish.

Resources: <https://seagrant.mlml.calstate.edu/research/ccfrp/>

MPAs incorporated into docent trainings/education efforts? Yes

7. State Parks Monterey District

Contact: Patricia Clark-Grey: Patricia.Clark-Gray@parks.ca.gov

Program Description:

Point Lobos State Natural Reserve: We provide training about the Marine Protected Areas during the annual new Docent Training. Marine Protected Areas are talked about during the Summer Adventure Program (summer camp for children) that is held at Point Lobos SNR. We have one interpretive panel about

the Marine Protected Areas at Bird Island. At Whaler's Cove we have an Outdoor Exhibit Shelter that has three interpretive panels and there is a map that shows the Marine Protected Areas. There is a 3 D concrete model at this location also. Between the photos, map and model the public will gain a better understanding of this amazing underwater marine reserve. The purpose is to educate the docents at Point Lobos SNR and the participants of the Summer Adventure Program about the importance of the Marine Protected Areas. We also educate the general public about the MPAs.

Point Lobos State Natural Reserve – Parks Online Resource for Teachers and Students (PORTS): The PORTS Program is a free distance learning program that uses the power of California's K – 12 High-Speed Network (HSN) and the educational potential of live videoconferencing to help schools teach common core state standards in the context of California State Parks. The purpose is to educate the PORTS at Point Lobos SNR is to educate students about the natural reserve and one of the emphases is on the importance of the Marine Protected Areas. We also are using Periscope to educate the general public about the park and MPA's.

Point Sur State Historic Park: We provide training about the Marine Protected Areas during the annual new Docent Training. The purpose is to educate the docents at Point Sur SHP docents about the importance of the Marine Protected Areas.

Monterey District Office: We have a brochure rack at the Monterey District Office where we have MPA brochures. We provide interpretive and educational material to the general public and include the MPAs.

Audience: The main audience of PORTS are K-12 students from throughout California who might not be able to visit Point Lobos SNR. The audience for the Periscope application are participants using the application and are from all the country and world. The docents work targets visitors to Monterey State Parks

Partners: California State Parks' mission is interpretation and education, so interpreting Marine Protected Areas is a natural fit. Point Lobos Foundation works closely with Parks.

Resources: http://www.parks.ca.gov/?page_id=21284

MPAs incorporated into docent trainings/education efforts? Yes

8. Point Lobos Foundation

Contact: Anna Patterson: anna@pointlobos.org

Program Description:

Experience Point Lobos and other school programs: School outreach program incorporating docent visits at title 1 schools and guided field trips at PLSNR - Throughout school year, maximum of two schools visiting/day. Intended for Fourth graders, teachers and chaperones

Discover Point Lobos: New iPad app for children to engage youth in our natural environment, large focus on marine environment - 8-12 year olds

Guided Public Walks: Free public walks for visitors to PLSNR. offered at will usually 1-2 times per day- All visitors to Point Lobos.

Mobile Interpretive Station (MINT): Mobile interpretation station with a huge variety of interpretive tools and strong marine focus. usually have 1-2 session per week - All visitors to PL

Easy Access Adventures: Serving people with limited mobility, docents station themselves along the trail so visitors can move at their own pace with the help of a caregiver - 4-5/month- People with limited mobility or other impairments- uses specialized interpretive tools to aid in interpretation

Interpretive Stations (Whalers Cabin and Information Station): Two physical locations staffed by docents 365 days/year. Interpretation includes MPAs.- All visitors to Point Lobos

Docent Training and Continuing Education: Initial docent training over the course of 6 months, and ongoing mandatory monthly education throughout time as active docent. Large marine focus -215 active docents- In-depth mandatory training once/month, initial training of 6 months- new class of approximately 20 each year

Pointlobos.org: Public website, currently being redone with a greater emphasis on protection- More than 30,000 visitors/month

Docents.pointlobos.org: Docent website/intranet. Includes training materials, photos, calendaring programs, etc. -215 active docents

PLF Research Program: Now in its second year, a central focus is marine mammals, shorebird and seabird and anthropogenic impacts. Research findings intended to help State Parks make more informed management decisions. Currently have 4 researchers with varying schedules

Underwater Parks Day: Annual event celebrating underwater parks including invertebrate display and activities for families. Strong local participation from MPA focused organizations - Visitors to PLSNR

Audience: General Public/youth

Resources: <http://www.pointlobos.org>

Partners: State Parks

MPAs incorporated into docent trainings/education efforts? Transitioning to incorporate more MPA info.

9. The Marine Mammal Center, Monterey Bay Operations

Contact: Julia O'Hern: ohernj@tmmc.org

Program Description:

Volunteers: Volunteers are given information about MPAs, mainly regarding the varying rules that we have to follow about rescuing stranded marine mammals depending on where the animal is located. They also lead at least one outreach event at the Santa Cruz Boardwalk that is entirely devoted to the Monterey Bay National Marine Sanctuary. 1200 volunteers across a 600 mile range of California coastline with 5 facilities. 95 active volunteers in the Monterey Bay area providing marine mammal rescue, triage care, and transport to our rehabilitation/release facility in Sausalito.

Outreach: Events for the public regarding marine mammals and conservation. Educational pamphlets about marine mammal identification and responsible viewing.

Audience: General public/youth

Partners:

Resources: <http://www.marinemammalcenter.org>

MPAs incorporated into docent trainings/education efforts? Yes

10. Monterey Bay Aquarium

Contact: Jim Covell: JCovell@mbayaq.org; Letise LaFeir: lafeir@mbayaq.org; Vicki Wawerchak: vwawerchak@mbayaq.org; Simone Mortan: SMortan@mbayaq.org

Program Description: The Monterey Bay Aquarium has approximately 740 docents that interpret Central California marine life and habitats to approximately 2 million guests each year. Our exhibits reflect local habitats, so they provide an excellent platform to interpret marine habitat protection in general, and to talk about the local MPA network specifically. One of our exhibits—Today on the Bay—includes a map of local MPAs around the Monterey Peninsula so we can interpret some immediate examples. We are currently developing some outside railing graphics that will also interpret MPAs adjacent to the aquarium.

Turning the Tide: This program runs three times a day and we have a separate staff of nine who perform it all summer. "Turning the Tide" tells the story of Monterey Bay through the eyes of several cultures that were instrumental to the Bay's history. The program is narrated by Julia Platt, the first female mayor of Pacific Grove. She played a large role in beginning what are now known as marine protected areas in the Bay and her efforts are heavily referenced in the show.

Live feeding show narration: Twice a day at the Kelp Forest exhibit. The main conservation message of this program is focused on MPAs. This program is delivered by both staff and trained volunteers.

The overall mission of the aquarium: To inspire conservation of the ocean. MPAs are a tangible success story that we use to illustrate how the public can get involved in protecting marine life and promoting healthy oceans.

Audience: We focus on a general public audience with a large portion from the San Francisco Bay Area and from Southern California. Overall attendance is around 2 million guests per year.

Partners: The aquarium has a number of strategic partnerships to help advance our mission. Our close connection to California State Parks and California Fish & Wildlife have been important partnerships related to the MPA program. In addition, our partnerships with local marine science and conservation organizations have helped provide updated information on monitoring effectiveness of MPAs.

Resources: <https://www.montereybayaquarium.org>

MPAs incorporated into docent trainings/education efforts? Yes

11. Pacific Grove Museum of Natural History

Contact: ddixon@mbay.net; amferguson@prodigy.net

Program Description: Serves California State Beaches between Monterey and the Pajaro River. Association programs are dedicated to public education, interpretation, and protection of coastal resources, and promoting public access. Adopt-a Beach, annual Coastal Cleanup, Snowy Plover Protection, dune restoration, and support the State Park volunteers, such as the Dunes Docents and Snowy Plover Guardians. They also produce the Sandpaper newsletter.

Audience: General public

Partners: State Parks

Resources: http://www.parks.ca.gov/?page_id=22306

MPAs incorporated into docent trainings/education efforts?

12. Big Sur Natural History Association

Contact: 831-667-2956

Program Description: Nonprofit corporation formed in 1984, for the purpose of supporting the interpretive and educational programs of the Department. The BSNHA serves the following state park units: Andrew Molera State Park, Pfeiffer Big Sur State Park, Julia Pfeiffer Burns State Park, and John Little State Reserve.

Audience: General public

Partners: State Parks

Resources: https://www.parks.ca.gov/?page_id=28518

MPAs incorporated into docent trainings/education efforts?

SAN LUIS OBISPO

1. Central Coast Aquarium

Contact: Francesca Henderson: francesca@centralcoastaquarium.com

Program Description:

Marine protected area citizen science cruise: The Central Coast Aquarium partnered with the Crystal Cove Alliance who began the program and wanted to expand to other regions in CA. The program is for middle and high schoolers. It takes place in Morro Bay's MPA. We have half of the class board a boat and get dropped off at the sand spit, where they conduct sand dollar quadrant surveys. The other half stays on the boat and does wildlife disturbance surveys and plankton tows and identify plankton. The goal is to educate students on MPAs and have them conduct scientific surveys that local scientists are interested in. The program are run October-May, Monday-Friday, and the program is usually 3 hours long. Staff needed is a Program Manager, a coworker, and 2 other instructors (volunteers) Pay for staff is about \$300, chartering the boat is about \$600, bus cost is around \$300

Tide Pools on Tour: With our new mobile aquarium tanks, the aquarium can bring our live animals to the classroom. They provide formal presentations and informal programs.

Marine Science Summer Camps: Campers spend the week engaged in hands-on marine science activities, including exploring marine habitats, interacting with live animals, and conducting experiments.

Audience: Youth (middle and high schoolers)

Partners: Funding-the program is waiting to hear back from the B-WET grant from NOAA. So far, Crystal Cove Alliance has funded the trips.

Resources: <http://www.centralcoastaquarium.com>

MPAs incorporated into docent trainings/education efforts? Yes, at Morro Bay.

2. BLM Piedras Blancas Lightstation

Contact: Carol Adams; Jodie Nelson: jnelson@blm.gov

Program Description:

Trail Stewards: Stewards walk the Boucher Trail, which is the proposed California Coastal Trail through Piedras Blancas, and look for problems. They talk to visitors about stewardship of the natural and cultural resources. The trail offers beautiful views of the ocean and opportunities to talk to visitors about the elephant seals and other marine mammals, terrestrial animals, plants, the Monterey Bay National Marine Sanctuary, and of course, the Piedras Blancas Marine Protected Area. The Trail Stewards are ambassadors for the natural wonders seen at Piedras Blancas and what is being done to protect and preserve them. Stewardship is the goal. This is a fledgling program, but it can grow and the ambassador element will expand. Because we are just getting going, and the ambassador element is not a formal program (we simply talk to visitors we encounter on the trail)

Audience: General public

Partners:

Resources:

<http://www.blm.gov/ca/st/en/info/DiscovertheCoast/communities/piedras.html>

MPAs incorporated into docent trainings/education efforts? Yes

3. Cambria Fishing Club

Contact: Jim Webb; jw5857@charter.net

Program Description: Meetings, Fish Fry, charters. Influence in creating Cambria State Marine Park

Audience: Fishing community/general public

Partners: USFW, State Parks, NOAA, NMS, National parks

Resources: <http://www.cambriafishingclub.com>

MPAs incorporated into docent trainings/education efforts? Yes

4. Friends of the Elephant Seal

Contact:

David Bauer; annpan2@att.net (general info)

Abby Adams; abby.adams@mac.com (school groups)

Polly Tatton; pollytatton@gmail.com (training)

Program Description:

School tours: A group of specially trained School Group Docents will greet you and introduce your students to the extraordinary life on land, and at sea, of the northern elephant seal.

Docents: Our 20-hour classroom training, delivered over 4 Saturdays, provides information on the elephant seal life cycle and other aspects of the marine ecosystem. Training is continued with on-site mentoring at the Piedras Blancas viewing area. Once you have completed your training you will join a group of 100 dedicated volunteers

Exploratory: Power Point lectures with great slides illustrating different seal activities are narrated by FES experts. After questions are answered docents lead the attendees to a tour of the viewing site. These lectures are scheduled for many Saturday mornings between December and May. They are open to anyone who wishes to attend and there is no charge.

Audience: General public/youth

Partners: California State Parks and to work closely with the Monterey Bay National Marine Sanctuary, the Marine Mammal Center, and the Piedras Blancas Light Station Association.

Resources: <http://www.elephantseal.org>

MPAs incorporated into docent trainings/education efforts? Yes

5. Ken Norris Rancho Marino Reserve

Contact: Don Canestro: canestro@lifesci.ucsb.edu

Program Description: Part of the University of CA Natural Reserve System the Ken Norris Rancho Marino Reserve serves University level classes and researchers. The mission is to contribute to the understanding and wise stewardship of the Earth and its natural systems by supporting university-level teaching, research, and public service at protected natural areas throughout California. In operation since 2001, up to 22 classes a year have visited the reserve. Up to 33 research projects have utilized the reserve in a year. Roughly 1/2 use the marine environment and the remaining using the terrestrial habitats. Other programs in the area include:

Friends of Piedras Blancas Lighthouse, Friends of the Elephant Seal, MBNMS San Simeon office, CA State Parks

Audience: University Students

Partners:

Resources: <http://www.ucnrs.org/reserves/kenneth-s-norris-rancho-marino-reserve.html>

MPAs incorporated into docent trainings/education efforts? Yes

6. Morro Bay Museum of Natural History

Contact: Rouvaishyana: rouvaishyana@parks.ca.gov

Program Description: Serves over 50,000 people visit the Museum annually, including 5,000 children who participate free-of-charge in the docent-led school group programs that support California's required science and social studies standards. Many of our school group children have never seen the ocean until they visit us.

Resources: <http://ccspa.info/morrobay/>

MPAs incorporated into docent trainings/education efforts? Sometimes

7. Morro Coast Audubon Society

Contact: mcas@morrocoastaudubon.org

Program Description: Guided walks, school field trips, volunteer program, well attended win

Audience: General public/youth

Resources: <http://www.morrocoastaudubon.org>

MPAs incorporated into docent trainings/education efforts? Yes

8. SLO CoastKeeper

Contact: Coastkeeper@epicenteronline.org

Program Description: Eyes on the water, life on the edge, internships

Audience: General Public

Partners: CA Coastkeeper Alliance, Waterkeeper Alliance

Resources: <http://www.epicenteronline.org>

MPAs incorporated into docent trainings/education efforts? Yes

9. San Luis Obispo State Parks

Contact: Cara O'Brien: Cara.O'Brien@parks.ca.gov

Program Description: Friends of the Elephant Seals (CSP docents) roving and school group programs at the elephant seal viewing area in Hearst San Simeon

State Park, Coastal Discovery Center Docent programs in the center and in the cove and on the pier at WR Hearst Memorial Beach in Hearst San Simeon State Park co-managed by the Monterey Bay National Marine Sanctuary. There are also interpretive programs presented by staff and volunteers in Morro Bay and Montana de Oro State Parks that address the MPAs. There is a new volunteer kayak program called SeaLife Stewards that have volunteers on the water of Morro Bay to provide interpretation on the Morro Bay MPAs. The Seabird Protection Network-Point Sur to Point Mugu Chapter provides outreach programs about seabirds throughout SLO County that highlight the important role of the MPAs for wildlife and recreation. Environmental Scientist and Ranger staff present programs and trainings that highlight the importance of MPAs for marine wildlife.

Audience: Visitors to the beaches, trails, campgrounds, visitor centers and water-based recreational users of the MPAs including people who boat, tidepool, fish, kayak, surf, etc... Also community groups, local businesses, other agencies, and park partners.

Resources:

Partners: Various partnerships exist throughout the geographical area of SLO State Parks.

MPAs incorporated into docent trainings/education efforts? Yes

11. Northern Chumash (Yak tityu tityu yak tilhini)

Contact: Haylee Bautista: hayleejade3@yahoo.com

Program Description:

K-6 Education programs/ college: Classroom presentations, and annual presentations to campers at North Beach Campground, and other tribal members hold annual presentations at Lopez Lake.

Native American Heritage Month/Art Live: This November the tribe is working with Atascadero Library to put on a little presentation of song and story for kids of all ages. This is the first year we will be doing it. We hope to continue it in the years to come.

Signage, Brochures, Exhibits: Public Awareness- verbally inform people about where they are. State parks is working putting a sign in a local park that talks about the history of tribes from the area, including natives words.

MPAs: Hoping to create signage and brochures to provide the public with information on why it is important to protect our MPA's and include our language.

Exhibits: Working with State Parks to prepare exhibit for new Interp Center at Pismo-Oceano state Parks.

Docent Programs: Trainings for state parks and other non-profit groups.

SeaLife Stewards Kayak Morro Bay: Participate and inform others about the MPAs

SeaOtter Savvy: (with SeaLife Stewards); We support this program and inform people about the otters as well and all other aspects of the MPA's.

Morro Bay Natural History Museum: participate in the kids education program at the museum 2015-2016 school year, share history. We teach them about natural habitats and our ecosystem, and our history in the Morro Bay/ Los Osos region and language. Continuing this year.

Language Revitalization: a very important goal is to bring back our language, song and dance. We have monthly classes for our members to learn, and share with public.

BOL (Breath of Life): Berkely and D.C. These are Programs for Indigenous Languages. It has been an amazing experience and we hope that our members have the opportunity to attend future events of BOL.

Audience: Public/youth

Partners: SeaLife Stewards, State Parks, SeaOtter Savvy, MB Natural History Museum, UC Berkely, North Beach Campground

Resources:

MPAs incorporated into docent trainings/education efforts? Yes

12. NOAA Monterey Bay National Marine Sanctuary: Coastal Discovery Center

Contact: Carolyn Skinder : carolyn.skinder@noaa.gov

Program Description: The Center offers interactive exhibits and education programs which highlight the cultural and natural history of San Simeon, California State Parks and Monterey Bay National Marine Sanctuary. School field trips, public guided programs topics include: Pier Oceanography, Beach Exploration, Marine Mammals of the Central Coast – Learn about identification tips and conservation efforts, Watersheds, History of Old San Simeon, Marine debris, Coastal Discovery Center Junior Ranger Adventure Program. Also host Get into Your Sanctuary Day.

Docents: Docent activities include greeting visitors in the Coastal Discovery Center, leading history walks along San Simeon Pier, participating in our annual fair and/or becoming involved in educational programs for school groups during the week days.

Audience: General public/youth

Partners: Monterey Bay National Marine Sanctuary and California State Parks

Resources: <http://montereybay.noaa.gov/vc/cdc/aboutus.html>

MPAs incorporated into docent trainings/education efforts? Docents are ambassadors for both Monterey Bay National Marine Sanctuary and State Parks.

13. Point Sur State Historic Park and Lighthouse

Contact: email info@pointsur.org.

Program Description: Pt. Sur lighthouse and its supporting lightstation buildings, now a California State Historic Park, stand atop a dramatic volcanic rock just offshore in Big Sur, California. School field trips: Science, Social studies, Geography, History, Language arts. Volunteers lead tours, operate the Visitors' Center, help preserve and maintain Pt. Sur's historic buildings, and are an integral part of Pt. Sur's operations.

Audience: General public/youth

Partners: California State Parks

Resources: <http://pointsur.org>

MPAs incorporated into docent trainings/education efforts?

14. Friends of Fiscalini Ranch

Contact: Joyce Renshaw, head of docent committee: jrenshaw@me.com

Program Description: Docents lead walks on the 430 Acre coastal preserve

Audience: General public

Partners:

Resources: <http://www.ffrpcambria.org/>

MPAs incorporated into docent trainings/education efforts? No

SANTA BARBARA

1. Channel Islands National Marine Sanctuary

Contact: Julie Bursek: julie.bursek@noaa.gov

Program Description:

Sanctuary staff work with the Sanctuary Education Team (SET): A working group of the Sanctuary Advisory Council, to identify target audiences, outreach tools, and delivery methods to communicate messages about the MPA network.

Educational tools include: Workshops for teachers and students, curriculum materials, signage and exhibits, multimedia products and adult education programs.

Products, services and programs have included: MPA network maps; a monthly public lecture series (“From Shore To Sea,”); a volunteer-powered “Adopt-a-Business” Program that distributes MPA educational materials to over 80 marine-related businesses every month; and ongoing participation by volunteer REEF (Reef Environmental Education Foundation) divers that conduct fish surveys inside and outside marine reserves.

MPA regulatory signs: Will be installed soon at launch ramps in Santa Barbara, Ventura, and Channel Islands Harbors to inform boaters about marine reserves. Additional signs at the Santa Barbara Zoo, Channel Islands National Park and Channel Islands Park concessionaires will highlight the MPA network’s role in protecting ecosystems.

Audience: General Public

MPAs incorporated into docent trainings/education efforts? Some

2. Santa Barbara Channel MPA Collaborative

Contact: Julie Bursek: julie.bursek@noaa.gov

Program Description: Marine protected area awareness campaign raises the profile of local protected areas through a series of educational and recreational activities led by collaborative members: fishing, diving, and boating trips; an art exhibit; and highlighting local protected areas at the Santa Barbara Ocean Day Festival on June 7th, 2014, and at Underwater Parks Day on January 17th, 2015. The Collaborative is also currently developing a brochure that highlights recreational opportunities in Santa Barbara protected areas.

Audience: General Public

Resources: <http://www.mpacollaborative.org/santabarbara.html>

MPAs incorporated into docent trainings/education efforts? Yes

3. Coal Oil Point

Contact: Jessica Nielsen: copr.conservation@lifesci.ucsb.edu. Also visit <http://coaloilpoint.ucnrs.org>

Program Description:

Snowy Plover Docent Program

Volunteer docents spend 2 hours a week at Sands Beach, educating beachgoers about Coal Oil Point Reserve and its protected habitats (including the intertidal and subtidal habitats that are protected by an MPA). Docents answer questions about the reserve as well as teach beachgoers about the threatened status of the Western Snowy Plover. Docents ask beachgoers to leash their dogs, and to avoid sensitive habitat areas. In addition to docents volunteering on the beach daily through the entire year, we have symbolic fencing and educational signs posted on the beach. The purpose of our program is to educate visitors about beach ecology to help protect this habitat. Our intended audience is the general public and UCSB students. Training for the Snowy Plover Docent Program are held every 1 - 2 months depending on need and interest. The Snowy Plover Docent Program is a partnership with Santa Barbara Audubon Society. We have received funding each quarter from UCSB Coastal Fund for paid student docents.

Guided Tour Program

Staff and volunteer tour guides lead public tours of Coal Oil Point Reserve. Tour guides discuss the cultural and natural history of the area. Free 2-hour tours are offered to the general public every first Saturday of the month. COPR also offers tours to special group requests throughout the year such as UCSB and SBCC classes, UCSB professional groups, international groups, K-12 classes, Sierra Club, SB Audubon, etc.

4. Gray Whales Count

Contact: Michael H Smith: michael@graywhalescount.org

Program Description: A research and education project, in which observers on land monitor the passage of gray whales migrating northbound through the nearshore of the Santa Barbara Channel; volunteers also collect data on human use of the MPA. The survey is approximately 98 consecutive days from mid-February through end of May. The survey site is at the Coal Oil Point Reserve in Goleta CA. Coal Oil Point sits right in the middle of the Campus Point SMCA, making it the perfect position to observe and collect data. Beginning with our 2006 survey, in addition to marine mammals, Gray Whale Counters gathered data on vessel traffic in the ocean at the survey site. Since 2012 Gray Whales Counters

have incorporated MPA data collection (similar to MPA Watch) into their existing whale surveying program. Each day, data is sent to otter researchers and Journey North, which compiles biweekly reports and distributes curriculum materials to schoolchildren in classrooms across the country.

Audience: Scientific community & General Public

Partners: Associated Students of UCSB's Coastal Fund provided a grant to initiate the student intern program. UCSB Marine Science Institute administers the reserve, which permits the research. Co-organized the "wise use of the nearshore Channel and MPAs" at the Bren School of Environmental Science and Management at UCSB. Outside organizations rely and benefit from data collected such as; Scripps Whale Acoustic Lab, The Otter Project, CDF&W, UCSB, NOAA, Cascadia Research Collective, Journey North

Resources: http://www.graywhalescount.org/GWC/The_Count/The_Count.html

MPAs incorporated into docent trainings/education efforts? Yes, Campus Point SMCA. Goals of the MPA component is to teach people the "wise use of the MPAs," how to be stewards, and to gather baseline data to evaluate the success of the MPA and how to manage in the future.

5. Santa Barbara Channelkeeper

Contact: Ben Pitterle: ben@sbck.org

Program Description:

Dive Portal: Join Truth Aquatics and Santa Barbara Channelkeeper on a special limited-time discounted trip to the Naples State Marine Conservation Area (SMCA). Experience the breathtaking beauty of this stunning stretch of coastline as we cruise up from the Santa Barbara Harbor and anchor at Naples Reef. This small offshore pinnacle reef provides impressively complex habitat and has some of the most diverse and productive sea life in all of Southern California. Dive in and experience the diversity of marine life that makes Naples MPA so unique. We also hope to encounter dolphins, seals, sea lions, birds, and maybe even whales! Snorkel rentals are also available for those that would rather explore Naples from the surface.

MPA Watch: Monitoring surveys are designed to take less than 1.5 hours, and volunteers can choose the days and times most convenient for their schedules. Volunteers are simply asked to conduct at least three surveys a month and to follow our designated monitoring protocols. Channelkeeper provides volunteer training, data sheets and all necessary equipment.

Businesses: SBCK is developing and supporting business endeavors that provide opportunities for people to experience and learn about our local MPAs, such as dive and kayak trips as well as newly developed tours offered by recreational fishing outfitters, which were impacted by the creation of MPAs.

Aquasports has been leading guided sea kayaking trips along the Santa Barbara coastline, and within the Channel Islands National Park, for the past 25 years. Adventure travel seekers will find that most trips are designed to be low rigor but high adventure, captivating both novices and experts alike. Trips to MPAs • Sea cave adventures in Scorpion MPA at the Channel Islands National Park & National Marine Sanctuary • Coastal kayaking of Naples State Marine Conservation Area (only available as charter trip)

Channel Islands Outfitters: Trips to MPAs • Sea cave adventures in Scorpion MPA at the Channel Islands National Park & National Marine Sanctuary • Sea cave adventures in Anacapa and Painted Cave MPAs at the Channel Islands National Park & National Marine Sanctuary (only available as charter trip) • Goleta wildlife kayaking adventure at Campus Point Marine Conservation Area • Kayak, SUP, and surf rentals at Goleta Beach to paddle to Campus Point Marine Conservation Area

Santa Barbara Adventure Company: Trips to MPAs • Sea cave adventures in the MPAs at the Channel Islands National Park & National Marine Sanctuary • Coastal kayaking of Naples State Marine Conservation Area (only available as charter trip)

UCSB Adventure Programs: Trips to MPAs • Kayak classes, coastal paddles, and rentals (surfboards, kayaks, and SUPs) at Campus Point State Marine Conservation Area • Gaviota coastal overnight trips through Kashtayit, Naples, and Campus Point State Marine Conservation Areas

Santa Barbara Ocean Charters: Trips to MPAs • Dive, kayak, and custom charters to all MPAs along the Santa Barbara Coast

Wave Walker Charters: Trips to MPAs • Recreational fishing trips (in legal areas beyond MPA boundaries) coupled with education about MPAs

Ecotourism: Website provides ways to enjoy each MPA. links to kayak rentals, birdwatching, diving, etc.

Youth: In 2014 Channelkeeper launched a new Seafari Educational Tours program, which offers on-the-water marine environmental educational tours on our boat, the *RV Channelkeeper*. Groups of 4-6 passengers come aboard for a free, 1-2 hour cruise along the Santa Barbara coast, where they learn about MPAs, marine conservation and the incredible biodiversity of the Santa Barbara Channel, and get a unique “live” tour of the wonders below the surface through our use of an underwater drop camera connected to a monitor onboard. Our

target audience for these tours is underserved youth groups and families who lack the means or opportunity to get out on the water, and we're working with community groups, churches, schools and after-school programs to help spread the word to this audience and get people to take advantage of this unique opportunity. Have a group in mind for one of our trips? Contact Penny Owens at penny@sbck.org

CWEST Program: provides both in- and after-school science education and enrichment opportunities for local students through a variety of curricula that we provide in partnership with other educational institutions in our community.

"From Side Streams to the Sea" watershed awareness curriculum (provided in partnership with the Santa Barbara Museum of Natural History) uses hands-on activities to teach students about the connections between human activities, local creeks and watersheds, and the marine environment of the Santa Barbara Channel.

Research and Education for Students and Teachers supporting the Ormond Beach Restoration (RESTOR) Program, delivered in partnership with the University of California Sea Grant and Cooperative Extension Programs, provides teacher and student training in water quality monitoring, watershed awareness and wetland restoration

The R/V Channelkeeper: Berthed at Marina 4 in the Santa Barbara Harbor, and we use it for a number of different on-the-water activities, including researching and monitoring the health of important marine habitats such as kelp forests and eelgrass meadows, conducting surveys in and around marine protected areas (MPAs) to assess their efficacy, investigating impacts on marine ecosystems, pioneering new methods to remove invasive algae, and monitoring potential sources of marine pollution such as cruise ships and ocean outfalls, among others.

Audience: General public/youth

Partners: Waterkeeper Alliance, CA Coastkeeper Alliance

Resources: <http://www.sbck.org>

MPAs incorporated into docent trainings/education efforts? Yes

7. Watershed Resource Center

Contact: Caroline Bargo: caroline@exploreecology.org

Program Description: Originally a source for art materials in schools, we have expanded to education programs about waste reduction and water conservation, as well as a school garden program. The Watershed Resource Center is the hub of our water education programs. Students visit the Watershed Resource Center on

hour and a half long field trips. The trip takes them from estuary to ocean to the WRC and then to a beach cleanup. Our goal in this field trip is to increase local students knowledge of local watersheds and how their choices on land affect what goes on in our waterways and ocean. We stress the importance of reducing marine debris by implementing the three R's in daily life. We talk about how much water is actually useable on the planet, which watershed their schools are in and study different types of pollution. Our older classes, grades 3-6, participate in a series we call Creek Kids, which is a series of three lessons intended to delve further into the science behind the land/water connection. In addition to the WRC fieldtrip, these classes visit a local creek and conduct water testing to assess the health of the water feeding into the ocean. We have a great view of the Channel Islands from the WRC, and use it to make students aware of how close they are to such an important ecological area- both on land and in the water that connects us. These programs are available free of charge to most schools in Santa Barbara County, with a limited amount of bus stipends available, thanks to our contracts with the City and County of Santa Barbara.

In addition to these educational field trips, we offer the building to organizations in town as a free meeting place. Groups with interests ranging from ocean health to permaculture are able to access the building for events like board meetings and outreach days.

Audience: The classes range from K-6 grades.

Resources: <http://www.healthebay.org>

Partners: The Watershed Resource Center (WRC) is a collaborative space managed by Explore Ecology. Explore Ecology is a local Santa Barbara non-profit, with roots going back twenty-five years.

MPAs incorporated into docent trainings/education efforts? We have a great view of the Channel Islands from the WRC, and use it to make students aware of how close they are to such an important ecological area- both on land and in the water that connects us.

8. Santa Barbara Museum of Natural History

Contact: Amanda Allen: aallen@sbnature2.org

Program Description: At the Sea Center visitors of all ages can enjoy interactive exhibits, opportunities to work like scientists, a theater showcasing the wonders of the Santa Barbara Channel, hands-on close encounters with sea creatures, and a live shark touch pool. Children can crawl through a 1,500-gallon tidepool tank to see ocean life from a different perspective. The Sea Center is an engaging,

interactive marine education facility that allows visitors to discover the fun in science and the wonders of the natural world.

Education Volunteers: Assist staff at one of three locations in the Sea Center when school groups visit or with interactive, educational field trip programs

Aquarist Assistant: Assist staff in helping to maintain the health of aquatic habitats, care for the animals, and educate the public about local marine species

Shark Interpreter: Educate the public about shark conservation and conduct supervised shark feedings

Nature Adventures: Assist with outreach education programs during the summer/winter/spring break camps

Outreach Assistant: Assist with outreach and education programs including Oceanology and Discovery Zone: including special events, fairs, and tidepooling activities

Audience: General public

Resources: <http://www.sbnature.org/sc/2.html>

Partners:

MPAs incorporated into docent trainings/education efforts? Yes

LOS ANGELES

1. Heal the Bay

Contact: Dana Murray: dmurray@healthebay.org

Program Description: Lifeguard training: Trained 240 LA County Lifeguards on MPAs. Haven't launched a program yet but working with REI locally on kayak trips for MPA outreach. Interested in reaching out to kayak and sup shops, dive shops, yacht clubs and sailing associations. MPA Watch: Heal the Bay held the first volunteer trainings (in the class and field) for this pilot program in March and August of 2011, and expanded to include bluffs and beaches in Palos Verdes in early 2012.

Audience: General public

Resources: <http://www.healthebay.org>

Partners:

MPAs incorporated into docent trainings/education efforts? Yes

2. Los Angeles Collaborative

Contact: Dana Murray: dmurray@healthebay.org and Phyllis Grifman : grifman@usc.edu

Program Description: Produced bi-lingual MPA brochure/guide with emphasis on fishing spots, to be distributed in Fall 2016.

Audience: Latino anglers.

Resources: <http://www.mpacollaborative.org/la.html>

Partners:

MPAs incorporated into docent trainings/education efforts?: Yes

3. La County Junior Lifeguards

Contact: Dan Murphy: Daniel.Murphy@fire.lacounty.gov

Program Description: The program is designed to instruct youth (ages 9 through 17) in beach and ocean skills. LA JG program has a special curriculum (see appendix A). The way the curriculum is designed provides instructors a simple way to cover a lot of material. There are “objectives” for each level of JG and must be fulfilled before moving up the ranks. One objective is “Hazardous Fauna and other Sea Life.” It provides JGs with knowledge of more than just hazardous marine life. This topic covers marine life and ocean ecology and some info on MPAs.

Audience: Youth ages 9-17

Resources: <http://www.fire.lacounty.gov/lifeguard/lifeguard-youth-programs/>

Partners:

MPAs incorporated into docent trainings/education efforts?: LA JGs take a trip to Catalina Island and dive in Lovers Cove SMCA and Casino Pt. SMCA. Diving in these world-class protected areas they experience first-hand how important it is to protect marine ecosystems.

4. LA Waterkeeper

Contact: Michael Quill: mquill@lawaterkeeper.org

Program Description:

MPA Watch volunteer program conducts regular, on the water outreach and education trips to monitor human uses of the the Santa Monica Bay water in and around the restricted fishing areas.

Waterkeeper boat - Volunteers are trained to crew our trips, and survey the Point Dume and Point Vicente-Albalone Cove MPAs. Volunteers will also get a chance to connect with other stakeholders of the community that join the excursions while

witnessing up close whales, dolphins, sea lions, seals and a variety of birds and other species that depend on and deserve clean water and a sustainable habitat. MPA Watch trips run about 4-5 hours long various days of the week and meet in Marina Del Rey.

Outreach: We also do outreach to local fisherman, businesses, schools, residents and the public about the current boundaries, passing out the Department of Fish and Wildlife certified maps and communicating with the fishing and water sports communities about the allowed uses and expected benefits of our MPAs.

Audience: General public

Resources: <https://lawaterkeeper.org>

Partners: New Earth youth have been crewing LAW MPA boat trips since 2013, and a few youth have just begun SCUBA classes sponsored partially by Waterkeeper.

MPAs incorporated into docent trainings/education efforts?: Point Dume and Point Vicente-Albalone Cove MPAs.

5. Palos Verdes Peninsula Land Conservancy

Contact: Siegrun Storer: ssorer@pvplc.org

Program Description:

Public guided walk at Abalone Cove and/or Pt Vicente Area once per month.

School-Based Education Programs: Third Grade Naturalist Program : approx 2000 3rd grade students per year from local schools - 25 field trips. 350 parents per year volunteer with their child's field trip. Science Students as Stewards Program approx 2000 K-5th grade students per year from local schools and more distant schools ~ 35 field trips

Public Education Programs: 2nd Saturday Guided Nature Walks - held monthly. Approximately 750 participants per year, all ages welcome George F Canyon Nature Center - open 3 days per week, approximately 4,500 adult and child visitors and participants attended in 2015 White Point Nature Center - open 3 days per week, approximately 8,100 adult and child visitors and participants attended in 2015

Docent Programs: Volunteer Walk Leaders - approximately 13 active docents, go on monthly training walks. White Point Nature Center Docents- 22 trained docents, 2 general overview trainings held per year, unlimited shadowing and many enrichment opportunities George F Canyon Nature Center Docents - 11 trained docents, 2 trainings held per year, unlimited shadowing and many enrichment opportunities. Third Grade Program Docents- approximately 16 active

docents, go on monthly training walks and have several other curriculum training opportunities per year (~6)

Audience: General public, youth

Resources: http://pvplc.org/_education/

Partners:

MPAs incorporated into docent trainings/education efforts?: Public guided walk at Abalone Cove and/or Pt Vicente Area once per month includes some MPA information.

6. Wishtoyo Foundation & Ventura Coastkeeper

Contact: Rachel Chung : rchung@wishtoyo.org and Luhui Isha Waiya : luhuiisha@icloud.com

Program Description:

Chumash Tribal MPA Education and Outreach Program (CTMPA): Launched in 2012, the program is a cultural and marine science education program to provide students with the opportunity to learn about Chumash maritime history, marine conservation and ecology, MPAs and the importance of relationship with the natural environment. Our customized and innovative programming features an integrated approach, blending native culture and Traditional Knowledge with Western science. Target Audience: K-12 students, ~75% of which are from underserved and politically and/or economically marginalized communities and/or Title I schools. Over 112 programs held annually (over 6,000 students)

Chumash Eyes on the Water Campaign: To be launched September 2016 – will be an ongoing citizen science program targeted towards Native American and minority families with the goal of increasing engagement amongst underserved communities in ocean/coastal health. CEOW addresses environmental stewardship using outdoor, place-based, service activities as its primary teaching tool. A variety of citizen science and monitoring opportunities will be available to volunteers, and a training workshop will be taught by Wishtoyo staff. Projects under consideration include: Multi-Agency Rocky Intertidal Network, MPA Watch, LiMPeTS rocky intertidal and sandy beach surveys, Urban Tides and beach profile monitoring, black abalone and mussel surveys, and sea star/sea kelp/wrack monitoring, and iNaturalist logs. Participants will be able to see how their service directly contributes to a better understanding of coastal ecosystems. Target Audience: Chumash and Native American community members in Los Angeles, Ventura, and Santa Barbara Counties.

First Nations Ecological Conservation Alliance (FNECA) Youth Summer Field

Study: Established in 2013 as a summer program that offers Native American high school students an opportunity to engage in STEM careers and cultural and marine science studies. Students form sustainable support networks with strategic planning for academic achievement and secondary education in partnership with Pitzer College's Native Youth to College Program. In July 2016, 24 students spent 4 days at the Wishtoyo Chumash Village in Malibu, CA and 3 days at the Santa Cruz Island Research Station in the Channel Islands National Park. Thus far, we have served over 100 participants who have increased their understanding of marine science and their own traditional knowledge through college-preparatory curriculum, career planning, intercultural exchange, scientific research, and recreational activities such as kayaking and snorkeling in the Marine Sanctuary. Target Audience: Inter-tribal high school students, ages 14-17

Partners: The cultural, scientific, policy, and regulatory content of the Chumash Tribal MPAs program was developed with our education program partners: the CA Dept. of Fish & Wildlife, Channel Islands National Marine Sanctuary, California State Parks Channel Coast District, and Wishtoyo's Cultural and Marine Science Education Advisory Team (CMSEAT).

MPAs incorporated into docent trainings/education efforts?: Yes

7. Los Serenos de Point Vicente - Docent Program

Contact: Ann Zellers: AnnZ@rpvca.go

Program Description: Docents guide tours through exhibits at Point Vicente Interpretive Center and/or, Lead hikes through Abalone Cove Shoreline Park, Ocean Trails at Trump National and Ladera Linda/Forrestal Nature Reserve. Assist with special events and projects at the parks. The class meets an average of three hours, once a week, for 4 months. We also provide field trips to different museums and speakers on interesting subjects as well as parties for our docents. And we maintain a well stocked library that includes books on the cultural, geological and natural history of PV and Southern California.

Audience: General public

Resources: <http://www.losserenos.org>

Partners: The American Cetacean Society(ACS), Cabrillo Aquarium, Native Plant Society, Land Conservancy and Cabrillo Aquarium.

MPAs incorporated into docent trainings/education efforts?: Yes, Abalone Cove and Point Vicente

ORANGE COUNTY

1. Crystal Cove Marine Protected Area Citizen Science Cruise

Contact: Holly Fletcher hfletcher@crystalcovealliance.org

Program Description: Crystal Cove Alliance's three hour MPA Citizen Science Cruise offers students in grades 7-12 the opportunity to explore the protected waters off the coast of Crystal Cove State Park. Students are assigned to one of three monitoring projects, where they will capture and take an up close look at plankton, drop a digital fishing camera down into the kelp forest to explore life below the ocean surface, and even collect water quality samples. The data that they collect will be shared with local scientists and resource managers who are studying and making decisions on how best to protect the underwater park. This program has been replicated by the San Diego MPA Collaborative and the Central Coast Aquarium with assistance from Crystal Cove Alliance

Audience: youth, grades 7-12

Resources: <http://www.newportwhales.com/mpacruise.html>

Partners: Newport Landing Sportfishing: Gets \$750 per trip. Way to make money during fishing off season. Alternative to whale watching tours. Crystal Cove Alliance: 10 cents from every ticket. University of California Irvine: Helped develop curriculum. They are research component and analyze data. State Parks: resource management partner. Schools/teachers: cruise is part of STEM program and next generation Science standards. It's affordable, scholarships available. Curriculum is developed by Crystal Cove Alliance with the help of classroom teacher. If teachers participate in Teacher learning community (training and feedback) they get discounted price, a pre-trip training and supporting lesson plans to run in their classroom.

MPAs incorporated into docent trainings/education efforts?: Yes

2. City of Newport Beach - Little Corona

Contact: Michelle Clemente : MClemente@newportbeachca.gov

Program Description: Tidepool Exploration, Monthly Beach Cleanups, Coastal Cleanup Day, Monthly Tidepool Hikes, Tidepool Interpretive, Orange County Natural History Lecture Series, Back Bay Science Center Community Days, Mountain Sea Adventure Camps, Volunteering.

Audience: General public, youth

Resources:

<http://www.newportbeachca.gov/government/departments/recreation-senior-services/marine-protection-tidepools-473>

Partners:

MPAs incorporated into docent trainings/education efforts?: Yes

3. City of Newport Beach

Contact: Clemente, Michelle : MClemente@newportbeachca.gov

Program Description: The City of Newport Beach has a number of programs in support of MPA management at Crystal Cove SMCA. Education programs include: A tidepool interpretation program with paid interpreters and docents working on the beach, tide field trips for pre-K-community college, citizen science owl limpet monitoring, human use/impact monitoring, and the ISOpod. Also host public events, programs, summer camps, after school programming, and field trips associated with Upper Newport Bay SMCA.

Audience: General public, individuals, small and large groups. We offer free programs, and fee based programs.

Resources:

Partners:

MPAs incorporated into docent trainings/education efforts?: Yes

4. City of Laguna Beach

Contact: Jeremy Frimond: jfrimond@lagunabeachcity.net

Program Description: Marine Protection Officer, MPA Docent program, MPA Watch, tidepool tours, junior lifeguards.

Audience: General public, youth

Resources: http://www.lagunabeachcity.net/cityhall/marine/tide_pools.htm
(See docent training presentation in supporting materials folder)

Partners: OCMPAC

MPAs incorporated into docent trainings/education efforts?: Yes

5. Laguna Ocean Foundation

Contact: Letty Skeen: LagunaOceanFoundation@gmail.com

Program Description:

Human Impacts on the Rock Intertidal Zone (High School):

High school students attempt to answer the hypothetical restoration question , “which area of two rocky intertidal sites should be considered for a pilot exclusion area (roped off from public use)?” Students assumed the role of an environmental consulting firm, used to date research protocols to determine differences in community and population levels between the two sites within the Laguna Beach State Marine Conservation Area. Students also assessed how humans use the SMCAs and how human activity affects key marine organisms. Students summarized the data both in a written report and class presentations.

PROFESSIONAL TIDEPOOL EDUCATOR PROGRAM AT TREASURE ISLAND SEASHORE:

Educators provide on-site resource interpretation and share their knowledge and joy of the local ecosystem, flora and fauna. Tidepool Educators keep record of how many individuals visit the area, how many visitors we contact, the number of incidents observed that are inconsistent with the MPA regulations, and the weather and sea conditions.

PROFESSIONAL TIDEPOOL EDUCATOR PROGRAM AT HEISLER PARK STATE

MARINE RESERVE: The program is modelled after the Treasure program where Educators provide on-site resource interpretation to visitors.

VOLUNTEER TIDEWATER DOCENT PROGRAM:

Trained docents work in close coordination with the Laguna Beach Department of Marine Safety and Marine Protection Officer. The volunteer docents have the option to work at Crescent Bay, Shaw’s Cove, Heisler Park, Wood’s Cove, Goff Island, and Treasure Island throughout the year during periods when the intertidal zone is most vulnerable. TideWater Docent training classes are held throughout the year

SUMMER INTERNSHIP PROGRAM (COLLEGE-LEVEL):

Launched in June 2009. Interns are trained to become Tidepool Educators at Heisler Park and Treasure Island; collect data relating to local water quality, intertidal biodiversity, and Marine Protected Area infractions; participate in current research projects such as intertidal human use surveys and the Laguna Beach shorebird diversity surveys; collaborate with local entities such as the Laguna Beach Lifeguards and the City’s Marine Protection Officer; record

collected data in Excel spreadsheets; and interpret data in creative ways for publication.

VOLUNTEER EDUCATION & RESEARCH INTERNSHIP (HIGH-SCHOOL/COLLEGE-LEVEL):

This is an introductory program designed for both high school and college level students hoping to gain experience in the tidepools as educators and researchers. While the Summer Internship Program caters to students with some previous work or school experience in the field, this program caters to students who might not have any formal experience yet. Interns must complete either 4 docent shifts per month during summer or 2 docent shifts per month during the school year at any of the following locations: Crescent Bay, Shaws Cove, Heisler Park, Woods Cove, Goff Island, or Treasure Island. Interns are responsible for providing onsite education to the general public by informing visitors of the flora and fauna, ecology, and protected status of these rocky intertidal areas; and promoting conservation efforts by increasing public awareness of the rules within Marine Protected Areas in order to reduce the number of visitor-induced impacts and MPA violations.

Audience: General public, students

Resources: http://www.lagunaoceanfoundation.org/tidepool_interp.html

Partners: OCMPAC

MPAs incorporated into docent trainings/education efforts?: Yes

6. Ocean Institute

Contact: Jonathan Witt: JWitt@ocean-institute.org (949) 496-2274

Program Description:

Tidepool Exploration in the Dana Point Marine Conservation Area:

4th – 6th grade students measure physical factors using scientific sampling equipment, identify adaptations of local tidepool species with the aid of an experienced naturalist, and conduct population studies of hermit crabs, turban snails, and barnacles using low-impact exploration techniques.

Good Tidepooler Program:

A one hour lab program ideal for small groups (up to 25 participants) including homeschools, scout troops, and special education groups. The curriculum is based on the Good Tide Pooler Rules. This program does not go to the tide pools. The group will receive a tide pool brochure to take home for future self-guided tide pool excursions.

The Tidepool Interpretive Program's (TIP):

Volunteers learn to be tidepool experts and share information with visitors. This program occurs outdoors, with its home base behind the Ocean Institute at the entryway to the beautiful Marine Conservation Area.

Other outreach opportunities: Education, Gallery/bookstore, Husbandry, Research Vessel Sea Explorer, Tallship, Summer Camp Aide, Public Program Docents, Information booth, Special Event

Audience: General public, students

Resources: Many other potential field trips/edu programs [HERE](#)

Partners: OCMPAC

MPAs incorporated into docent trainings/education efforts?: Incorporated in Good Tide pooler program, potential for more incorporation

7. Crystal Cove State Park

Contact: Winter Bonnin: winter.bonnin@parks.ca.gov 949-497-7647

Program Description: Tide pool volunteer group: Trainings 1/year ~40 volunteers per year. Volunteers give brochures with MPA info to visitors. Target weekends and low tide days. Use a mobile tidepool cart on days with poor conditions.

Audience: General public, tourists

Resources: http://www.parks.ca.gov/?page_id=27901

Partners: OCMPAC

MPAs incorporated into docent trainings/education efforts?: Incorporated in Good Tide pooler program, potential for more incorporation

8. City of Dana Point

Contact: Sean Vogt: svogt@danapoint.org

Program Description: Guided interpretive tide pool program. Includes pre-trip packet, talk of the day, and guided tour.

Audience: General public, tourists

Resources: (See brochure in supporting materials)

Partners: OCMPAC

MPAs incorporated into docent trainings/education efforts?: Yes

9. Pacific Marine Mammal Center

Contact:

Program Description: Docent Volunteer Job Description: As a PMMC docent, you will be trained to meet and greet our visitor yard guests while sharing information

about our history, mission and patients. Being a docent at Pacific Marine Mammal Center is a unique opportunity to support marine mammal rescue and meet people who share your interests in marine mammals and the environment.

Audience: General public, tourists

Resources: <http://www.pacificmmc.org/volunteer-opportunities/#docent>

Partners: OCMPAC

MPAs incorporated into docent trainings/education efforts?: Sometimes

10. California Department of Fish and Wildlife Back Bay Science Center

Contact: Carla Navarro: Carla.Navarro@wildlife.ca.gov

Program Description: School Field Trips, Summer Camps, Coastal Clean-up Day, Estuary Awareness Day, Teacher Workshops, Public Programs, Community-based Restoration & Education Programs, Marine Life Inventories, Volunteering, College Internships, Research Projects & Discovering Estuaries-ISOpod program.

ISOpod: Mobile outreach programs through one vehicle which has been named the ISOpod. ISOpod stands for Interactive Sealife Outreach pod and it will be offering a variety of programs. Several programs. Sharing our Shores might have MPA material or could in future: "Through a fishing simulation, students explore how technology, population growth, and sustainable practices impact fish catch and fisheries management. Students will come to realize the social, environmental, and economic impacts fishing communities, both recreational and commercial, have on our world and be able to identify sustainable fishing practices or come up with solutions themselves.

Audience: General public, youth

Resources: <http://www.backbaysciencecenter.org/programs/>

Partners: OCMPAC, California Department of Fish & Wildlife, City of Newport Beach and Newport Bay Conservancy

MPAs incorporated into docent trainings/education efforts?: Sometimes

11. Orange County Coastkeeper

Contact: Ray Heimstra, ray@coastkeeper.org

Program Description: MPA Watch: The Orange County Marine Protected Area Council (OC MPAC) MPA Watch Program enlists volunteers, community groups and local government to monitor human uses in and around the seven Orange County MPAs. The program is organized and run by Orange County Coastkeeper with the help of the cities of Newport Beach, Laguna Beach and Dana Point, as

well as the California State Parks Department, the Laguna Bluebelt Coalition, and the Ambassadors of the Environment Program at the Ritz Carlton.

Audience: General public

Resources: <http://www.coastkeeper.org>

Partners: OCMPAC

MPAs incorporated into docent trainings/education efforts?: Yes

12. OCMPAC Docent Program

Contact:

Program Description: All of the organizations and agencies that provide public education opportunities depend on docents to help educate the public about the intertidal habitats of Orange County. Docents are typically asked to volunteer at least once a month for a 3 to 4 hour shift at one of the tide pool areas in Orange County. During their shifts, docents are stationed at access points to tidepool areas or on the rocks amongst the tidepools themselves. Docents greet visitors, introduce them to the rules of the Orange County Marine Protected Areas, point out interesting tidepool organisms, and answer any questions they may have.

Audience: General public

Resources: (See Docent Training Presentation in supporting materials)

Partners: OCMPAC

MPAs incorporated into docent trainings/education efforts?: Yes

13. Amigos de Bolsa Chica

Contact: info@amigosdebolsachica.org

Program Description:

1. FLOW: Follow & Learn about the Ocean & Wetlands

A citizen-based monitoring program to keep an eye on Bolsa Chica's water conditions, productivity and chemistry. Participants learn how to monitor phytoplankton; identify potentially harmful plankton species; measure water quality variables such as temperature, salinity, pH and nutrients; help teach junior high and high school students about environmental quality; and, be part of a network of citizen scientists that collect data all over the state and nation.

Training for this program is ongoing at the Bolsa Chica State Beach Visitor Center

Audience: General public; educators; students

Contact: For more information and to sign up: flow@amigosdebolsachica.org

Resources: www.amigosdebolsachica.org/flow.html

Partners: California State Parks; California Department of Fish & Wildlife

2. Educational Tours

Tours for school groups, scouts, organizations and others are led by docents trained in uniquely designed Bolsa Chica coursework. First Saturday of the month tours are free and open to the public. For educators who teach grades 1, 3, 4 and 6, a tour of Bolsa Chica can help them meet the California state life science standards required for these grade levels. For the higher grade levels, a tour of Bolsa Chica can help teach students how getting involved in the local community can promote positive environmental changes that can have a lasting impact on people and wildlife. For scout groups, a tour of Bolsa Chica can help earn various badges and achievements.

Audience: General public; educators; students

Partners: California Department of Fish & Wildlife

14. Bolsa Chica Land Trust

Program Description:

1. Miracles of the Marsh

“Miracles of the Marsh” is our 3rd grade elementary school educational program which brings children from more than a dozen cities to Bolsa Chica for a walking tour in this living classroom. The program includes a field guide and resources for teachers, a power point presentation at each school prior to the field trip, a full color workbook for each student, and our docent-led tour of Bolsa Chica with emphasis on plant life, wildlife, history, and water quality. Thanks to our membership and corporate partner’s generosity, the Trust is able to assist with bus transportation costs. The program runs from January to June each year

2. Bolsa Chica Tours

Join us on the third Sunday of each month for a free guided walking tour of the Bolsa Chica wetlands and upper mesas. Learn about the history of Bolsa Chica, its wildlife, and plant life with a Bolsa Chica Land Trust docent. Literature and merchandise is also available. The two-hour tour begins at 10 a.m. from the Ecological Reserve South parking lot on Pacific Coast Highway across from Bolsa Chica State Beach (on PCH between Warner Avenue and Seapoint Street). Look for the white canopy and tables at the back of the lot by the footbridge, which is where you will meet the docent. Wear comfortable shoes and sun protection, and be sure to bring binoculars or a camera!

Audience: General public; educators; students

Resources: <http://bclandtrust.org/>

Partners: California Department of Fish & Wildlife

SAN DIEGO

1. SEA LIFE Aquarium

Contact: Lori Walsh: Lori.Walsh@sealifeus.com

Program Description: SEA LIFE Aquarium at LEGOLAND California Resort holds hourly talks on the gallery floor. The Harbor Tank talk discusses animals in our ambient gallery. The importance of responsible management of ecosystems is discussed during the description of the kelp forest. MPAs and the effects of climate change are highlighted. Guests learn about the importance of managing ecosystems and be inspired to change their behaviors to help ocean conservation.

Survival at Sea- School groups take part in a staff led 45 minute workshop exploring 4 habitats (desert, kelp forest, coral reef and deep ocean). Kids learn about the connection between our actions on land and the effect on the ocean.

Underwater Parks Day- Events include: MPA education table, underwater storytelling related to MPAs, MPA craft, other organizations host tables. Regular guests learn about the importance of MPAs.

Audience: Families with kids ages 2-12

Resources:

Partners:

MPAs incorporated into docent trainings/education efforts?: Yes

2. San Diego Collaborative MPA Ambassador Program

Contact: Zach Plopper: zach@wildcoast.net

Program Description: The Collaborative gave MPA informational trainings through the MPA Ambassador Program to kayak shops, lifeguards, and other businesses in the lead up to the busy summer months. The San Diego Collaborative Kayak Shop Outreach Program focuses on kayak shops in La Jolla, give MPA training to employees who get a certificate and sticker for participating. They provide printed copies of the training, as well as recreational brochures that the collaborative has developed.

Audience: Kayak shop owners and employees.

Resources: Recreational brochures, powerpoint,

Partners: San Diego Coastkeeper, WILD COAST, San

MPAs incorporated into docent trainings/education efforts?: yes

3. WILDCOAST

Contact: Diane Castenada: diane@wildcoast.net

Program Description:

MPA Watch: WILDCOAST Coordinates statewide MPA Watch programs. Contact Tarrant Seatuelle, Tarrant@wildcoast.net.

Student Citizen Science Cruise: This summer WILDCOAST is partnering with Crystal Cove Alliance and Seaforth Landing to take students on Citizen Science Cruises in the South La Jolla MPAs where the students will gather and analyze data on marine wildlife and conditions. The initial trips are scheduled with students from Sycuan, Valley Center, Jamul and San Ysidro.

City of San Diego working towards making it a requirement for ocean recreation businesses to receive training before they get their permits to operate

Youth Outreach: WILDCOAST has partnered with Outdoor Outreach on the Know Your Underwater Parks Program, which takes underserved youth from east county San Diego and tribal communities to MPAs using an Explore the Coast grant from the Coastal Conservancy. They also take youth kayaking in MPAs. Finally, WILDCOAST has partnered with the Girl Scouts to involve them in MPA Watch, and MPA Stewardship at the Tijuana Rivermouth SMCA. All programs focus on education, stewardship, enjoyment of MPAs.

MPAs incorporated into docent trainings/education efforts?: Yes

4. Birch Aquarium

Contact: Lisa Gilfillan; lgilfillan@ucsd.edu

Program Description: K-12 education program on conservation with MPA messaging. Public Education program. Underwater Parks Day. Member of South Coast Aquarium Collaborative. MPA workshop with kayakers. National Geographic workshop to recreational managers/users. Lecture series

Audience: K-12

Resources: <http://aquarium.ucsd.edu>

Partners:

MPAs incorporated into docent trainings/education efforts?: Yes

5. CA State Parks – Cardiff SB and San Elijo SB

Contact: Cory.hawkins@parks.ca.gov; Lisa.Urbach@parks.ca.gov; Jared.Kolar@parks.ca.gov

Program Description:

MPA Education Programs: Swamis SMCA

Protect Our C.O.A.S.T. funded by California Recycling and FCCSB: Family oriented program designed to address waste diversion in State Campground and at State Beaches including information on plastic production, marine debris and pollution run off. Twice weekly programs included lessons on waste/recycling/natural items and how to distinguish between the three. staff collected recreational use data both within Swami's MPA and at Carlsbad State Beach for comparable data. Program was designed and trained by State Parks staff and primarily conducted by Urban Corps Interns. Total Budget for 2 year period \$40,000. Program targeted families participating in recreational camping on the coast in addition to local area school groups visiting State Beaches. By providing consistent events the summer months and doing extensive outreach to local schools and organizations in the winter months the program had a consistent attendance throughout the year. Approximately 150 programs annually.

School Field Trips in conjunction with San Elijo Lagoon Conservancy: East San Diego County school groups attended a day long program where they visited San Elijo Lagoon (SMCA) before coming to Cardiff State Beach-Seaside Lot at the southern boundary of Swami's (SMCA). The program aimed to introduce students, many of whom had never been to the coastline, to the State Parks and sandy beach community. Students were given an overview of Southern California State Parks as well as the Marine Protected Area guidelines before doing a variety of educational lessons. State Parks staff met the students and spent a total of 2 hours with them on the beach. Transportation was funded by SELC. Approximately 30 programs annually.

Seaside Stewards at Seaside State Beach funded by Surfing Madonna: A weekly 2 hour camp-style youth ocean stewardship education program located at Cardiff State Beach-Seaside Lot where each week takes on a different coastal theme. The topics range from intertidal zone to sharks to shorebirds where students interactively investigate the plants and animals found at the beach. Students, ages 6-12 years old, discuss the human impact on the beaches and the importance of having a marine protected area for all the different topics. Students become the ambassadors for the Marine Protected Area. The program runs for 10 weeks during the summer holiday with a State Parks staff and several high school interns facilitating the program. Surfing Madonna donated \$10,000 for the staff time and materials needed for the program. Approximately 10 programs annually.

Junior Ranger Programs at San Elijo Campground: Junior Rangers are children between ages 8-12 who are interested in learning more about State Parks and

giving back to the parks they love to visit. The topics vary week to week especially because in a two week stay the same children might attend 4 or 5 Junior Ranger programs. The topics range from whales to kelp forests and include a description of the Marine Protect Areas, special considerations for recreating at the beach and why the MPA came to be. Presentations require a full time staff member, paid for by State Parks. Approximately 200 programs annually.

Campfire Programs at San Elijo Campground: Campers visiting San Elijo Campground are welcomed each Saturday night in the summer and every other weekend in the winter with a presentation and introduction to the goings on at the beach. Each presentation features breaking news, trends, recent sightings and reminders to the campers that frequently visit just once a year. The presentation includes the rules and restrictions of the MPA as well as the benefits of having a wildlife safe zone right at their fingertips. The purpose of the presentation is to inform campers of any changes that might have happened in their absence and to try and answer some commonly heard questions. Attendees are usually families with children between 3 and 15 as well as parents and grandparents. Presentations require a full time staff member, paid for by State Parks. Approximately 20 programs annually.

Tide Pool Walks at Seaside State Beach: Seasonally staff and volunteers act as Tide Pool monitors and provide Guided Nature Walks through the small intertidal area located at the southern end of the Swami's MPA. Beach goers are contacted with positive information about the Marine Protected Area and the benefits of its existence and kindly asked to respect the rules and regulations. Most of the individuals contacted are performing some type of 'take' within the MPA. The Guided Nature Walks include an overview of tide pool etiquette and species identification techniques. A staff member takes the group of varying ages, some visitors, and some locals around the tide pools pointing out various species. The audience for these programs is undefined and mostly includes uninformed adults. Approximately 50 program annually.

Overall, consistent and well publicized programs have the greatest attendance. Targeting families with multiple children between the ages of 5-15 and encouraging parents to come along as well quickly increases the impact you are able to have with each program. Offering specialized programs to coincide with seasons and natural resources available allows people to have an interactive and engaging experience. I am aware of other tide pool monitoring programs at Cabrillo National Monument and tide pools in Carlsbad that seek to contact and inform explorers about tide pool etiquette and MPA regulations. These programs

work best if a large body of volunteers is able to be on location 2 hours before and 2 hours after the low tide mark each day.

MPAs incorporated into docent trainings/education efforts?: Yes

6. National Park Service – Cabrillo National Monument

Contact: keith_lombardo@nps.gov

Program Description:

Since 1996, the Tidepool Protection Education and Restoration Program (TPERP), at Cabrillo National Monument has served as a pathway for community involvement in protecting the rare rocky intertidal resources found within the park. It has created a peer-level group that acts as the public's first point of contact when they visit the area and ensures that the resource remains intact and impact is minimized. Currently, the TPERP averages around seventy volunteers. The contributions of the TPERPs played a substantial role in the decision to award Cabrillo National Monument the 2014 George & Helen Hartzog Award, which is recognition for "the most outstanding volunteer program" in all of the more than 400 National Park units in the United States.

Audience: The target audience for this program is the general public, as well as thousands of local school children. Figures provided by the ranger staff indicate Cabrillo NM's averages 850,000 visitors per year. As many as 230,000 people head to the tidepools during their visit. Feedback from volunteers indicates visitors come from all over the world. San Diego County residents of all ages visit the tidepools, as well as school-age children who visit with their families or as part of a school field trip. Thousands of school children visit this park each year as part of field trips to explore the various educational themes, including the tidepools and conservation efforts.

7. Outdoor Outreach

Contact: Ben McCue: ben.mccue@outdooroutreach.org

Program Description: Outdoor Outreach (OO) runs outdoor-based youth development programs in and around San Diego County for diverse urban youth 9-25 years old. OO programs incorporate recreation, experiential environmental education, and stewardship into out-of-school, leadership, and job training programs that meet the unique needs of the underserved population we serve. Education on MPAs is layered onto recreation and environmental stewardship programming that serve approximately 1,400 individual youth annually.

Professional paid OO field staff run over 200 outings per year in and around San Diego County MPAs. Over 50% of our paid outdoor educators are graduates of the program. Field staff are provided training and tools to teach students about the MPA network. A key component of our programs is to connect youth who have little experience with the coast first to the value of the resource through a joy-filled recreation activity such as surfing, kayaking or snorkling. Having experienced the value of the area they are more receptive and inspired learn how to protect it through stewardship activities such as trash cleanups and MPA watch surveys that we carry out in partnership with local environmental organizations. OO sees a specific need for additional funding opportunities similar to the Coastal Conservancy's Explore the Coast program that provide experiential MPA education and outreach for underserved youth.

MPAs incorporated into docent trainings/education efforts?: Yes

8. San Diego Coastkeeper

Contact: Kristin Kuhn: kristin@sdcoastkeeper.org

Program Description:

Brochure/map/booklet distribution

Volunteer training

Newsletter

Blogs

Underwater Parks Day

Partner with San Diego Lifeguards

Audience:

Partners: Wildcoast; San Diego Lifeguards

MPAs incorporated into docent trainings/education efforts?: Yes

9. San Elijo Lagoon Conservancy

Contact: Elayna Flanders: elayna@sanelijo.org;

Program Descriptions:

School Programs: Our conservation education program provides a pathway that ensures participating students will connect to nature, become watershed and wetland literate, recognize nature's relevance, become conservation confident and skilled, and take action on behalf of the environment. We offer a variety of different programs for grades K-12, visit our website for details;

www.sanelijo.org/ForTeachers

Public Events & Tours: The Conservancy offers a wide variety of public programs including free weekly tours, monthly family events, and specialty themed programs. Visit our website to learn about upcoming events;

www.sanelijo.org/events

Naturalist Training: Volunteer naturalists help to support the mission to protect and enhance San Elijo Lagoon Ecological Reserve, by fostering stewardship and appreciation of this 979-acre wetland. Naturalists are nature guides. Each week they are in the reserve leading schoolchildren on conservation education field trips and weekend tours for the public. The Conservancy recently partnered with WILDCOAST to provide naturalists a special MPA Watch & Ambassador training.

Lagoon Platoon: Volunteers in Lagoon Platoon community habitat restoration tackle invasive weeds in disturbed areas of the reserve. They plant native species, remove debris, improve trails, and help with other work as needed during the seasons.

Audience: Visitors to San Elijo Lagoon; Schoolchildren.

Resources: Teacher Guides, Recreational Brochures, Naturalist Playbook for School Programs

Partners: WILDCOAST, California State Parks, County of San Diego

MPAs incorporated into docent trainings/education efforts?: Yes

10. Batiqitos Lagoon Foundation

Contact: Fred Sandquist: sandquist2@earthlink.net;

Program Description:

Nature Center

Outreach on trails by volunteers

Existing signs on Northshore Trail

Interns/eco clubs

Audience: Lagoon visitors

Resources: Nature Center; Signs

Partners:

MPAs incorporated into docent trainings/education efforts?: Yes

11. San Diego Free Divers, Watermans Alliance, San Diego Council of Divers

Contact: Volker Hoehne: V_hoehne@hotmail.com

Program Description:

Public presentations to fishing community, underwater photography club, dive groups, high schools, and public - 3 talks/month. Ranging from 15-70 people.

Stocks dive/fishing stores with brochures and hands them out to people. Provides new members with information on MPAs.

Audience: San Diego Spearfishermen

Partners: San Diego Collaborative

MPAs incorporated into docent trainings/education efforts?: Yes

12. Tijuana River Estuary

Contact: Anne Marie Tipton : AnneMarie.Tipton@parks.ca.gov

Program Description: Information Ambassadors is the training for all long term volunteers at the Tijuana River National Estuarine Research Reserve. Docents need to attend additional training. Information Ambassador Training includes two in person days plus 13 online digital modules. The purpose of Information Ambassadors is to acquaint volunteers with all the core programs of the Reserve and the two main agencies California State Parks and U.S. Fish and Wildlife Service. The docent training is more about interpretive skills.

Audience: General public

Partners: Some staff are Southwest Wetlands Interpretive Association (SWIA) employees, a main non-profit partner of the Reserve. Wildcoast is the local MPA coordinator.

MPAs incorporated into docent trainings/education efforts?: Yes

13. Torrey Pines State Natural Reserve Docent Program

Contact: childrensprogram@torreypine.org.

Program Description: Docent program targeting students at Torrey Pines State Park.

Audience: General public

Partners: Some staff are Southwest Wetlands Interpretive Association (SWIA) employees, a main non-profit partner of the Reserve. Wildcoast is the local MPA coordinator.

MPAs incorporated into docent trainings/education efforts?: Yes