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Professional Experience

Ecosystem Monitoring Manager

Farallones Marine Sanctuary Association

July 2008 – August 2010

- ~ Promoted to coordinate all monitoring and research programs of the organization, including previous duties as Beach Watch Manager.
- ~ Oversee volunteer coordination, data management and data analyses to support the Gulf of the Farallones National Marine Sanctuary's Beach Watch and Pelagic Habitat monitoring programs.
- ~ Supervise Ecosystem Monitoring Assistant, Data Manager, Research Associate, contractors and interns of the Ecosystem Monitoring program.
- ~ Manage \$215k annual budget; assist in grant and proposal writing.

Pelagic Habitat

- ~ Conduct vessel-based surveys of seabirds, marine mammals, marine debris and vessel activities.
- ~ Assist in coordination and mobilization of research cruises.
- ~ Review program methodology and facilitate collaboration with other at-sea monitoring programs.
- ~ Archive and QA/QC at-sea observation data.

Beach Watch

- ~ Responsible for duties as listed below.

Beach Watch Manager

Farallones Marine Sanctuary Association

June 2005 – June 2008

- ~ Manage Beach Watch, a long-term shoreline monitoring program for the Gulf of the Farallones National Marine Sanctuary.
- ~ Coordinate over 100 volunteers in data collection of bird and marine mammal species abundance, human activity, and oil/tarball deposition along the coast.
- ~ Supervise staff, contractors and interns of the Beach Watch program.
- ~ Manage \$175k annual budget; assist in grant and proposal writing.
- ~ Conduct statistical analyses of Beach Watch data and summarize findings.
- ~ Disseminate Beach Watch information through the production of publications such as annual reports and presenting at conferences.
- ~ Facilitate data requests for partners and researchers and foster data integration with other long-term monitoring programs.
- ~ Evolve and upgrade database for data entry and retrieval capabilities to improve access to real-time data for resource managers.
- ~ Train volunteers in species identification and data collection; organize continuing education classes and field trips.
- ~ Field Operations Lead for the Gulf of the Farallones Emergency Response Team.
- ~ Run analyses and provide baseline data to Environmental Unit and Natural Resources Damage Assessment during emergency events.

Volunteer Field Supervisor

Farallones Marine Sanctuary Association

August 2003 – May 2005

- ~ Coordinated 200 volunteers in the Beach Watch and SEALS volunteer monitoring programs for

the Gulf of the Farallones National Marine Sanctuary.
 ~ Trained volunteers in Sanctuary wildlife and habitats and data collection.
 ~ Maintained volunteer survey schedules, volunteer database, and contact with volunteers, including monthly e-mail updates and bi-annual newsletter.
 ~ Checked data for accuracy and precision and cataloged and checked photo documentation.
 ~ Processed tarball and oiled wildlife samples for the Office of Spill Prevention and Response; filed bird and marine mammal banding reports with the Fish and Wildlife Service.

Education Specialist

Farallones Marine Sanctuary Association *May 2002 – July 2003*
 ~ Coordinated Sandy Beach and Rocky Intertidal Monitoring Programs with 13 teachers and over 250 students. This high school educational program involved classroom training and data collection in the field.
 ~ Assisted in the development of the Long-term Monitoring Program & Experiential Training for Students (LiMPETS), a collaborative effort between the five West Coast National Marine Sanctuaries. Facilitated first teacher training; developed field and classroom kits.
 ~ Presented the 2002 and 2003 Coastal Ecosystem Teacher Workshop for high school teachers.
 ~ Co-authored the Seabird and Shorebird Unit for the Coastal Ecosystem Curriculum.
 ~ Participated in the Gulf of the Farallones National Marine Sanctuary Management Plan Review as a member of the Ecosystem Monitoring and Introduced Species Working Groups.
 ~ Managed and maintained the education and sand crab database.

Marine Conservation Intern

Reef Environmental Education Foundation *Fall, 2001*
 ~ Conducted fish species abundance surveys in the Florida Keys and during the Bermuda Field Survey, learning to identify over 150 fish species.
 ~ Taught fish identification and field survey methods to high school students.
 ~ Designed public informational brochure on the environmental impacts of exotic species in response to recent sightings of the Pacific Batfish in the Florida Keys.
 ~ Worked with the National Marine Sanctuaries during the reef and fish monitoring Aquarius Mission.
 ~ Provided administrative, member, and database support.

Project Intern

Sierra Club *Fall, 2000*
 ~ Developed the public awareness campaign for the Southern Rockies Wolf Restoration Project.
 ~ Organized and spoke at public informational sessions.
 ~ Educated the public and generated comments and support.

Research Assistant

Institute for Arctic and Alpine Research *September 1999-February 2000*
 ~ Performed basic lab duties including equipment preparation.
 ~ Classified and prepared fossils for analysis.
 ~ Initiated chemical reactions necessary for amino acid dating.

Education

University of Colorado *August 1996-December 2000*
 Major: Environmental Studies (Environmental Science track, Water specialty)
 Minors: Business Administration, sufficient credits for minor in Biology
 G.P.A.: 3.4
 Dean's List 1999-2000

Le College International De Cannes
 Study Abroad Program, France

Publications

Moore, E., Lyday, S., Roletto, J., Litle, K., Parrish, J., Nevins, H., Harvey, J., Mortenson, J., Greig, D., Piazza, M., Hermance, A., Lee, D., Adams, D., Allen, S., and Kell, S. 2009. Entanglements of marine mammals and seabirds in central California and the north-west coast of the United States 2001–2005. *Marine Pollution Bulletin*.

Beach Watch. 2009. Beach Watch Fifteen-Year Report: 1993 - 2008. [Lyday, S. (ed.)] Farallones Marine Sanctuary Association, San Francisco, CA.

Lyday, S., Roletto, J., Mortenson, J., & Hall, J. In Press. Beach Watch: Sanctuary Ecosystem Assessment Surveys. *Pacific Seabirds*.

Roletto, J., Lyday, S., Devlin, D. and Reed, T. 2008. Beach Watch Manual. Gulf of the Farallones National Marine Sanctuary, San Francisco, CA.

Beach Watch. 2007. Beach Watch 2006 Annual Report. [Lyday, S. (ed.)] Farallones Marine Sanctuary Association, San Francisco, CA.

Beach Watch. 2006. Beach Watch 2005 Annual Report. [Lyday, S. (ed.)] Farallones Marine Sanctuary Association, San Francisco, CA.

Presentations (*presenting author)

Moore, E., *Lyday, S. Roletto, J., Litle, K., Parrish, J., Nevins, H., and Harvey, J. 2007. Bird Entanglements Observed during Beach Monitoring Surveys. Poster at the 34th Annual Pacific Seabird Group Meeting, Asilomar, CA.

Lyday, S. 2006. Beach Watch: Volunteer Shoreline Monitoring Program. California and the World Ocean Conference, Long Beach, CA. (Oral Presentation)

Roletto, J., *Lyday, S., Mortenson, J., & Hall, J. 2005. SEAS: Sanctuary Ecosystem Assessment Surveys Beach Watch. Presentation at the 32nd Annual Pacific Seabird Group Meeting, Portland, OR.

Saltzman, J. & *Lyday, S. 2003. Tracking an Oil Spill in the Gulf of the Farallones. Presentation at the 28th National Marine Educators Conference, Wilmington, NC.

Saltzman J. & *Lyday S. 2002. Sand Crabs: Counting & Sexing with High School Students. Presentation at the 27th National Marine Educators Conference, New London, CT.

Saltzman, J. & *Lyday, S. 2002. LiMPETS. Presentation at the California Science Teachers Association Conference. San Francisco, CA.

Research Cruise Experience

Bird and Marine Mammal Observer. 2010. ACCESS Cruise, Gulf of the Farallones National Marine Sanctuary.

Bird and Marine Mammal Observer. 2005 - 2009. SEAS Cruise, Gulf of the Farallones National

Marine Sanctuary.

Visiting Scientist/Oceanographic Technician. 2008. ORCAWALE Cruise, Southwest Fisheries Science Center.

Bird and Marine Mammal Observer. 2005, 2007, 2008, 2010. CBOMP Cruise, Cordell Bank National Marine Sanctuary.

Bird and Marine Mammal Observer. 2006, 2007, 2009. Gulf of the Farallones Research Cruise, PRBO Conservation Science.

Visiting Scientist/Independent Observer. 2005. CSCAPE Cruise, Southwest Fisheries Science Center.

Volunteer Experience

Dolphin Ecology Project

~ Assisted in photographing dolphins for identification, observing their activities, and sampling environmental parameters.

Colorado Division of Wildlife

~ Worked on annual study of the Eagle River: duties included gathering fish specimens, collecting data on each specimen, tagging the specimens, and releasing them safely back into their environment.

Skills

- Computer Skills: Microsoft Word, Excel, Access, PowerPoint, and File Maker; SPSS and Minitab Statistical Software; Adobe Illustrator and Photoshop; both PC and Mac.
- Interpersonal Skills: Excellent public speaking, communication and writing skills; enthusiastic team player.
- Languages: Proficient in French.
- Certifications: First Aid/CPR, 24-hour Hazwoper (Hazardous Waste Operations & Emergency Response), SCAT (Shoreline Cleanup and Assessment Team), HEED (Helicopter Emergency Egress), PADI SCUBA Rescue Diver, RECON (Reef Condition Monitoring Program) Instructor, REEF Level IV Fish ID.
- Memberships: Society of Marine Mammology, Pacific Seabirds Group, Reef Environmental Education Foundation