

JAEI MARTINEZ

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EDUCATION

Master of Environmental Science and Management (June 2017)

Bren School of Environmental Science & Management - University of California, Santa Barbara

Specialization: Economics and Politics of the Environment

Employment: Teaching Assistant for Biology Lab and Introduction to Social and Cultural Environments (2/16-8/17)

Bachelor of Science in Biology, Minor in Journalism (July 2014)

San Francisco de Quito University, Ecuador

Honors & Achievements: Archimedes Scholarship

Thesis: Hematology of Sea Lion (*Zalophus wollebaeki*) in Two Colonies of San Cristobal Island, Galápagos

MASTER'S GROUP CONSERVATION PROJECT

Evaluating Marine Reserve Effectiveness, Santa Barbara, CA (4/16-6/17)

Role: Outreach Manager | Client: Comunidad y Biodiversidad, A.C. (COBI), a non-profit in Mexico

- Created user-friendly web tool and 80-page physical guidebook for local fishers, governments, and NGOs to evaluate effectiveness of Mexican no-take marine reserves based on biological, socioeconomic, and governance indicators.
- Selected and edited content and designed 3 infographics for physical guidebook; maintained project website (www.turfeffect.org), and organized meetings for 3-person project team.
- Presented research, web tool, and recommendations to client, academic, and public audiences of 15-50 members.

ENVIRONMENTAL AND BIOLOGICAL RESEARCH EXPERIENCE

Conservation Alliance PRISM Coordinator – Desert Botanical Garden, Phoenix, AZ (11/17- present)

- Develop a management plan to identify high priority invasive species, locations and actions to prevent, eradicate, and control invasive species and restore ecosystems in the greater Phoenix metropolitan area.
- Assist surveying and documenting priority invasive species, project planning and management, contacting landowners, and overseeing invasive species control activities.
- Develop, execute, and administrate the Partnership for Regional Invasive Species Management in the greater Phoenix metropolitan area together with the Central Arizona Conservation Alliance (CAZCA) Program Director.
- Serve as point of contact, coordinate meetings, communications, workshops, trainings, event logistics, outreach activities for 80+ participants, manage attendee registrations and participation.
- Facilitate communication, resource exchange and collaboration between PRISM and CAZCA stakeholders, through a new cloud-based platform.
- Develop and execute knowledge-exchange events designed to grow partner knowledge, skill sets, and relationships
- Develop and execute workshops to train and certify community volunteers.

Community Engagement and Communications:

- Communications and marketing: Participate in the design and content creation for CAZCA website and PRISM pages, produce timely engagement website updates, respond to website inquiries, develop social media content.
- Citizen Science: Schedule, manage and execute volunteer events and ongoing Citizen Science invasive species mapping projects, manage outputs including data, reports, and publications, obtain appropriate research permits and maintain records.

Administrative:

- Assist in ensuring completion of project benchmarks, assist reporting outcomes, track budget expenses, submit invoices for approval and payment.

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Community Outreach Conservation Intern – Santa Barbara Channelkeeper (SBCK), Santa Barbara, CA (6/16-9/16)

- Spearheaded local community outreach program by developing 3 focus groups, each made up of 8-12 community members, to solicit feedback on the best way for SBCK to engage with the Spanish-speaking community.
- Produced and administered 40+ surveys to understand existing conservation knowledge and willingness of Spanish-speaking residents to participate in environmental programs.
- Created partnership with Santa Barbara Bike and Isla Vista Youth Project to develop strategies to involve Spanish-speaking community in SBCK environmental initiatives.
- Identified communities, organizations, and groups not being reached or for which outreach needs to be improved; coordinated surveys and focus groups to determine environmental topics and media that will resonate with each group.

Conservation Workshop Instructor – Ceiba Foundation for Tropical Conservation, Pedernales, Ecuador (7/15)

- Taught 40 undergraduate students from the University of Wisconsin – Madison on-site about macroinvertebrates and water quality to show how hydrology interacts with species and communities in rivers and streams.
- Developed handouts, PowerPoint slides, and worksheets for understanding water quality using biomonitoring techniques, biodiversity of freshwater fauna, taxonomy, and behavioral ecology of aquatic insect communities.

Freshwater Ecology Lab Research Technician – San Francisco de Quito University, Quito, Ecuador (9/14-5/15)

- Conducted laboratory analyses with macroinvertebrate identification and freshwater samples (either collected or provided) to support a variety of freshwater ecology research projects, water quality programs, and community workshops.
- Performed administrative duties such as data analysis and reporting, planning and organizing meetings, preparing research permit applications, administering petty cash and purchasing of supplies, and scheduling of lab equipment.
- Assisted in installation, operation, and maintenance of environmental monitoring instruments and testing equipment.

ADDITIONAL EXPERIENCE

Environmental Education: Created handouts and poster on Climate and wave prediction in the Pacific Ocean for San Cristobal Island community; canalized audience questions to class speaker as Workshop Instructor – Galápagos Science Center (6/15).

Field Work: Performed field sampling, in-lab sample processing, and data entry as Research Assistant – The Galápagos Institute for the Arts and Sciences and Galapagos National Park (6/12-8/12, 6/13-8/13 and 6/14-8/14).

Volunteering: Nina Mason Pulliam Rio Salado Audubon Center – Phoenix, AZ (10/17-present)

SKILLS

Software: Microsoft Office Suite, Adobe Illustrator and Adobe Photoshop Certification, RStudio

Certifications: PADI Open Water Diver

Languages: Fluent in Spanish and English, Intermediate French