

MELINDA DORIN BRADBURY

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Professional Experience

SEQUOIA ECOLOGICAL CONSULTING (PRESENT), CONSULTANT PROJECT MANAGER

Occasional surveys for Swainson's Hawks and project management activities including report writing and editing.

SWAINSON'S HAWK TECHNICAL ADVISORY COMMITTEE (PRESENT), ENVIRONMENTAL CONSULTANT

Organize data and map GPS locations for a Swainson's Hawk migration study so the results can be published. Satellite data was collected over several years and the data needs to be reviewed and transformed into a usable database and mapped for publication in a peer reviewed journal.

FRIENDS OF THE SWAINSON'S HAWK (JUNE 2008—PRESENT), ENVIRONMENTAL CONSULTANT

Provide the organization expertise for several projects including the organization's strategic plan, their Swainson's Hawk Conservation Strategy, Local Government Mitigation Program Review Program, CEQA comments on biological issues, and for wind energy projects.

Specific Projects:

- Provide ongoing technical expertise as needed on wind and wildlife issues including:
 - Review of California Environmental Quality Act (CEQA) required Environmental Impact Reports for wind energy projects in the Montezuma Hills. Have provided technical comments for at least four proposed wind projects;
 - Developed a summary of the issues surrounding wind and wildlife interactions for the Friends of the Swainson's Hawk Board to consider.
 - Also serve as a public interest member on the Solano County Wind Technical Advisory Committee (since 2010 meeting).
- Project Manager and author of a review of Sacramento County's, City of Elk Grove's and City of Rancho Cordova's Swainson's Hawk Mitigation Programs
 - Reviewed project databases and mitigation databases to determine whether mitigation was being implemented to benefit the species. The review found that an almost 3000 acre historical deficit occurs;
 - Conducted site visits and reviewed reporting requirements and determined that annual reporting requirements have not always been met;
 - Worked with City and County staff as well as staff from non-profit organizations which manage the mitigation land for local governments;
 - As a result of the project and project findings additional grant money was received to expand the review to other local government mitigation programs in the Sacramento area.
- Wrote the organization's Conservation Strategy for Swainson's Hawks. Included talking with stakeholders, and receiving input from Board Members.
 - Conducted a review of the current research on Swainson's Hawks;
 - Developed priority issues and policies for the organization to address;
 - Developed measures for the organization to implement to help with conservation of the species.

- Wrote a strategic plan for the organization that was adopted in Aug 2008. Facilitated Board Member discussion and ideas and received input from stakeholders important to the organization.

THE WILDLIFE SOCIETY—NATIONAL (SUMMER 2011), PEER REVIEWER

Selected by The Wildlife Society to be part of a five person professional peer review team to review and evaluate the U.S. Fish and Wildlife Service's Draft Land Based Wind Energy Guidelines. The review was conducted after the comment period was closed, and was the only one conducted through a professional organization.

ENVIRONMENTAL COUNCIL OF SACRAMENTO (2009), ENVIRONMENTAL CONSULTANT

Developed and organized a Land Use Planning Workshop for ECOS. Developed the agenda, the budget, contacted speakers and organized all aspects of the workshop including food and location. Topics included a summary of the California Environmental Quality Act, Endangered Species Acts and Resource Agency roles, County and City of Sacramento Planning Processes, the relationship between Councils of governments and local land use decisions, and how the public can get involved in local planning issues. The goal for the workshop was to educate participants on how land use planning works so they could get involved and make informed comments at planning meetings.

SACRAMENTO TREE FOUNDATION (JUNE 2007—JANUARY 2008), ENVIRONMENTAL CONSULTANT

Wrote a plan describing a new Urban Forest Ecology Center in Sacramento that the Sacramento Tree Foundation could use to initiate building design and for fundraising. The Sacramento Tree Foundation is planning to open new headquarters and build an interpretive center. The project included facilitating meetings to develop key ideas on displays, target audience, children's area activities, and interpretive center lay out. Topics developed included the benefits of trees, the relationship between the urban canopy and open space, urban tree ecosystems and the physiology of trees.

CALIFORNIA ENERGY COMMISSION, ENERGY COMMISSION SPECIALIST

PUBLIC INTEREST ENERGY RESEARCH (PIER), ENVIRONMENTAL AREA PROGRAM (JUNE 2005-MARCH 2009)

General duties: Facilitated research to develop cost effective approaches to evaluating and resolving environmental effects of energy production, delivery, and use in California. Used research to determine the extent of and ways to reduce impacts from electricity generation, transmission and use, and recommend related policy.

Specific responsibilities:

- Worked on a team to research avian impacts from wind facilities and electrocution and collisions with transmission line infrastructure. Used the research to develop policy recommendations to reduce the energy production and delivery effects on avian species;
- Technical lead for the Once-Through Cooling Program. Reviewed research proposals and developed a program that researched the effects of once-through cooling technology on the marine environment. Used research to inform the Clean Water Act 316(b) regulatory process and California Energy Commission policies and permitting;
- Technical lead for the Nitrogen Deposition Program. Reviewed final research reports and recommended additional research to address nitrogen deposition from power plant emissions on sensitive habitats in California;
- Technical lead for Wave Energy White Paper. Worked in collaboration with the California Coastal

Commission to assemble a team of researchers to write an environmental knowledge gaps paper pertaining to potential wave energy development off the coast of California;

- Technical lead for Biofuels and Biodiversity Research. Developed a research plan and contracted with researchers to address potential range response of several endangered species to different large scale crop pattern scenarios based on biofuel crop needs within California;

Other duties:

- Developed new areas of research;
- Coordinated with other groups such as California Department of Fish and Game, State Water Resources Control Board, Ocean Protection Council, local governments, non-profits, industry groups and other stakeholders;
- Hired and supervised students;
- Worked with planning staff on the California Guidelines for Reducing Impacts to Birds and Bats from Wind Energy Development;
- Worked with staff throughout the Energy Commission to develop policy recommendations for Policy Reports

CALIFORNIA ENERGY COMMISSION, ENVIRONMENTAL PLANNER

SYSTEMS ASSESSMENT AND FACILITIES SITING DIVISION (JUNE 2001-JUNE 2005)

General duties: Worked as part of an interdisciplinary team which surveyed for sensitive species and habitats,, analyzed environmental impacts from proposed power plants, monitored power plant construction to assure compliance with biological conditions of certification, wrote planning documents to meet legislative mandates, and provided comments on CEQA documents related to energy development. Recipient of a team service award for working on power plant siting cases.

Specific responsibilities:

- Reviewed and edited documents on current endangered species' research, applications for power plant certification, and Environmental Impact Reports. Coordinated with federal and State resource agencies and local land-use agencies to identify permit requirements and information needs. Facilitated and/or attended public workshops to determine project impacts and sufficient mitigation for them. This often included working in an adversarial setting with project applicants, interveners, and other resource agencies. Wrote testimony and testified, as needed, in defense of proposed mitigation at public hearings and before the Commissioners;
- Wrote several biological resources sections in Energy Policy Reports including: The Electrical Integrated Energy Policy Report; the Petroleum Infrastructure Environmental Performance Report; and the Environmental Performance Report in support of the Electrical Report;
- Lead author on the staff white paper on Avian Collision and Electrocution Impacts in the State which included policy recommendations for consideration by the Commission;
- Prepared briefings for the Commissioners and Management. This required good analytical and writing skills to present the issues and provide information used in determining policy recommendations by the Commission.

Other duties:

- Assumed responsibility for reviewing energy related environmental documents and providing comments on biological resource impacts on wind energy related projects under CEQA;
- Led the Interagency Wind Working Group Meetings to disseminate knowledge and promote

- coordination of research between resource agencies;
- Worked with the PIER-EA staff to define potential areas of research that could be used to identify energy related impacts and mitigation.

CALIFORNIA STATE WATER RESOURCES CONTROL BOARD, ENVIRONMENTAL SPECIALIST
BAY DELTA BRANCH, DIVISION OF WATER RIGHTS SACRAMENTO (APRIL 2000- JUNE 2001)

General duties: Worked on the Bay-Delta Water Rights hearing assembling the administrative record. Developed an intricate knowledge of the water code in order to process water rights applications. Wrote California Environmental Quality Act documents.

Specific responsibilities:

- Represented the SWRCB at Interagency Meetings including the Interagency Ecological Program. As part of the review process for the existing water rights decision, I developed and gave Power Point presentations to interagency working groups on the water rights process. Attended interagency conferences and water rights seminars to stay current on water rights issues in the State;
- Responsible for processing water rights requests by local landowners. This included conducting site visits, writing the appropriate CEQA documents, determining whether a project had significant impacts, and the mitigation for the impact;
- On larger water rights projects such as the Victor Valley Reclamation Authority on the Mojave River and an El Dorado Irrigation District project, worked as part of a multi-disciplinary hearing team, including geologists, lawyers, engineers and archeologists, to gather data, address concerns and protests prior to issuing a water right permit. We worked with the Board Members to write the SWRCB Decision based on the administrative record. Good oral and written communication skills were essential to collect evidence through the administrative hearing process, and write an Order or Decision with permit terms.

CALIFORNIA DEPARTMENT OF FISH AND GAME, FISH AND WILDLIFE SCIENTIFIC AIDE
BAY DELTA BRANCH STOCKTON (JULY 1996-APRIL 2000)

General duties: As a seasonal employee of the California Department of Fish and Game (CDFG), I worked on several projects that had short term contract funding. I gained valuable experience working with different species, learned many different survey protocols and had the opportunity to design, lead, and implement a study.

Specific responsibilities:

- Developed and implemented a study program in the Suisun Marsh mandated by the Suisun Marsh Plan of Protection. Represented the CDFG at interagency meetings, developed interagency work plans and guidance documents outlining wetland restoration success criteria for the Department to follow on restoration parcels. Conducted trapping for the federally-listed salt marsh harvest mouse, developed a genetics research program with CalPoly, and worked with species experts to develop survey protocols for fish species, and black rails. Developed and maintained a database of survey results. Presented results at conferences and wrote annual reports to meet permit requirements;
- Participated in baseline surveys of State and federally-listed species such as San Joaquin kit fox, avian species, California red-legged frog and bats;
- Led field crews during salmon and delta smelt entrainment studies in Suisun Marsh. Compiled survey results, maintained databases and wrote weekly and final reports. Hired and trained field crew on the

- sampling protocol;
- Worked autonomously in a satellite office for two years.

U.S. FISH AND WILDLIFE SERVICE, BIOLOGICAL SCIENCES TECHNICIAN, SACRAMENTO-SAN JOAQUIN DELTA FIELD OFFICE, STOCKTON (OCTOBER 1995- JULY 1996)

General duties: Worked as field crew and crew lead on the Salmonid monitoring program assessing populations and juvenile migration through the delta. Responsible for data validation, summary reports, quality control of database files, and drafted tables and graphs for project reports. Received a service award for accepting and completing work above and beyond required duties.

RESEARCH ASSISTANT

SANTA ROSA NATIONAL PARK, COSTA RICA (SEPTEMBER 1994-MAY 1995)

Specific responsibilities:

- Collected and analyzed data for a Ph.D. student and for a post doctorate study. Captured yellow-naped amazon parrots to study dialects within the species. Compiled and analyzed vocal response data and co-authored a paper on the results;
- Captured iguanas to tag, draw blood and measure other physical characteristics. Monitored and observed tagged individuals for a behavior study;
- Assisted in the production of a natural history film titled "Crossroads of Nancite". The movie documented interactions of monkeys, turtles, coyotes and other animals that live in the dry forest along the beach in Northwestern Costa Rica.
- Collected olive ridly, green and leatherback turtle nesting data within the park to monitor population and nesting success for the University of Costa Rica species management plan.

Education

- University Of California, San Diego, (September 1990 - June 1994)
Bachelors of Science Degree: Ecology Behavior and Evolution

Professional Development and Community Volunteering

THE SACRAMENTO SHASTA CHAPTER OF THE WILDLIFE SOCIETY BOARD MEMBER (2000-PRESENT)

Currently Membership Chair for the Chapter. I have also served as secretary of the Chapter and President of the Chapter. I also served as the Chapter Representative to the Western Section. Develop, coordinate and facilitate workshops and conference sessions, and associated budgets such as the Chapter's annual Natural Resources Symposium, Swainson's Hawk Workshop, California Red-legged Frog Symposium, Giant Garter Snake Workshop, and a Habitat Conservation Planning Workshop.

HAWK RESEARCH (1998-2000), VOLUNTEER

- Volunteer on several Swainson's Hawk studies including migration study, trapping and banding using several different capture techniques throughout California, took blood and measurements.
- Swainson's Hawk census of the central valley
- Banded Goshawks in Northern California.

THE ENVIRONMENTAL COUNCIL OF SACRAMENTO (ECOS) BOARD MEMBER (2007-2011)

BOARD MEMBER AND ORGANIZATIONAL DEVELOPMENT COMMITTEE CHAIR

ECOS is a council that seeks to organize multiple environmental and social organizations in Sacramento to address issues such as County and City growth strategies, SB375 implementation, open space and endangered species habitat preservation as well as air quality, transportation, climate change and other categories of environmental issues that affect the Sacramento region.

- Wrote the 5-year strategic plan for the organization with input from the executive director, board members and stakeholders
- Wrote policy guidance documents
- Developed a fundraising plan framework

BOARD MEMBER OF RIVER OAKS COMMUNITY ASSOCIATION (2004-2005)

CHAIR OF THE RIVER OAKS COMMUNITY ASSOCIATION LAND USE COMMITTEE (2005 – PRESENT)

The Association reviews California Environmental Quality Act (CEQA) documents and is involved in land use planning, community safety and outreach. We work with developers and City of Sacramento staff to review projects.