

Education

Master of Environmental Science and Management, Bren School, UC Santa Barbara
B.A., Geography, University of California, Berkeley

Employment History

Associate, Environmental Incentives, LLC	2008 – present
Tutor, Ivy West Educational Services	2002 – 2008
Editorial Assistant, Bren School Media Services	2007 – 2008
Ecological Monitoring Specialist, Crew Leader, Marin Conservation Corps, GGNRA	2003 – 2005
Interagency Resource Team Intern, White Mountain Research Station	2002
Night Editor, The Daily Californian	1999 - 2002

Qualifications

Marcy Protteau applies her academic background in resource economics, water policy and global environmental change to improve the management and environmental quality of local natural resources. Ms. Protteau investigated the environmental and economic impacts of green roofs on stormwater management in Los Angeles, identifying the most effective green roof implementations and making policy recommendations to local decision-makers. Additionally, she led crews to execute a long-term monitoring and assessment program to measure the success of the Crissy Field saltwater marsh restoration project in the Golden Gate National Recreation Area. Ms. Protteau earned a bachelor's degree in Geography from the University of California at Berkeley and a master's degree from the Donald Bren School of Environmental Science and Management at the University of California at Santa Barbara. Her experience with water quality monitoring and project management gives her a strong technical foundation on which to build her work in the Lake Tahoe basin.

Relevant Experience

Natural Resource Monitoring and Restoration

- Gathered and analyzed water quality, vegetation, geomorphology and wildlife data to monitor and report on the ecological health of the restored salt marsh system at Crissy Field in San Francisco.
- Contributed to data collection and management for several desert and montane ecology projects in the Eastern Sierra. Monitored bats to gather baseline data for the Lower Owens River Project and the Carman Valley watershed restoration plan. Performed meadow, lake and vegetation surveys to monitor endangered species habitat and inform management decisions.

Hydrologic Modeling

- Modeled flow and pollutant load for the Upper Truckee River subwatershed using BASINS and WARMF to create a watershed assessment.
- Determined the impact of green roofs on stormwater runoff in Los Angeles using meteorological data and variable parameters to estimate runoff attenuation of multiple green roof designs.

Leadership

- Coordinated and organized service days for a 12-member restoration crew, managed logistics, led team-building activities, and created and maintained website and volunteer database.
- Earned the Berkeley Undergraduate Geographers award for outstanding leadership and service for my role in organizing department functions and leading field trips.

Technical Skills

- Proficient in Matlab, JMP and R for data analysis and statistical analysis of project data.

- Used ESRI ArcView, Macromedia Freehand and Adobe Photoshop to create and update maps and figures for project deliverables.
- Calibrated, maintained and analyzed data from Hydrolab and YSI instruments for water quality measurement.

Writing and Editing

- Managed nightly production of *The Daily Californian* newspaper, including copyediting, writing, layout and employee supervision.
- Developed maps for use in Dallman, P. and Medbury, S., 2005. "San Francisco Botanical Garden at Strybing Arboretum: An Introduction to a World of Plants." San Francisco Botanical Garden Society. Pickleweed Press, Mill Valley, CA.
- Edited several books for content and language, including Laws, J.M., 2007. "The Laws Field Guide to the Sierra Nevada." California Academy of Sciences. Heyday Books, Berkeley, CA and Jensen, C.A., 2008. "The California Delta." Arcadia Publishing, San Francisco, CA.

Select Reports, Publications & Presentations

Bennett, S., Conrad-Saydah, A., McCormick, S., Morris, D., Protteau, M., March 2008. "Vegetated Roofs in the Los Angeles River Watershed: The Environmental and Economic Impacts on Stormwater Runoff and Management." Report and presentation. Bren School, UC Santa Barbara, CA. Available at <http://www.bren.ucsb.edu/~labasin>.

Protteau, M., May 2003. "Riparian vegetation variability in Mitchell Creek Canyon, Mount Diablo State Park." Presented to the Geography Department at the University of California, Berkeley, in poster form.