

Education

B.S., Mechanical Engineering, U.C. Berkeley, 1993

B.A., Resource Economics, U.C. Santa Cruz, 1991

Qualifications

Chad Praul produced the first comprehensive water quality project inventory for Lake Tahoe, developed Accomplishment Units for documenting project level indicators that related to basin-scale assessment indicators, lead the Lake Tahoe Interagency Monitoring Program (LTIMP) and be appointed to several key working groups. Additional experience includes monitoring stormwater treatment practices, systematically quantifying accomplishments of Tahoe's Environmental Improvement Program (EIP) and demonstration projects of potential nutrient reduction methods for the Tahoe Total Maximum Daily Load (TMDL).

Relevant Experience

Senior Program Manager - Water Resources. Nevada Tahoe Conservation District.

Mr. Praul managed a diverse group of water resources programs for a sub-district of Nevada state government. These programs included management of Water Quality/Erosion Control projects funded by the Nevada Tahoe Bond Act, an environmental monitoring/research program and a private/public partnership that links resource managers to local governing bodies and the public. This position required engineering experience, personnel management skills, extraordinary time management and extensive collaboration skills. Duties included: financial control of a \$1.32 M/year budget, deliverable tracking of 12 federal and state grants, capacity planning for four employees and sensitive negotiations with strategic partner agencies. Some of Mr. Praul's accomplishments included appointment to Chair of the Lake Tahoe Interagency Monitoring Program (LTIMP), selection as a member of the Management Systems Technical Working Group, participation in the Tahoe Science Consortium and high-value, collaborative projects with the Tahoe TMDL team.

Lake Tahoe Water Quality Project Inventory, Project Manager

Mr. Praul managed a diverse group of small resources to produce the first comprehensive inventory of Water Quality, Erosion Control and Wetland Restoration projects for Lake Tahoe. The Inventory is composed of a GIS, a custom VBA script, and an Access database containing relevant data about projects. Data includes all constructed infrastructure (BMPs), name mapping, unique project identification numbers, financial information and references for further project exploration. The Inventory is intended to be easily used by non-technical staff and is the only effective location for most of the information it contains.

Accomplishment Units – Lake Tahoe EIP, Project Manager

Mr. Praul conducted historical research and extensive interviews of technical working group leaders to create the most recent restoration project tracking units for future EIP projects in Lake Tahoe. The Accomplishment Units project designed a single set of measures that will be used to report the progress of the Lake Tahoe EIP to a management system as well as policy makers. Additional uses of the system include provision of goals to the entire restoration program and articulation of clear objectives to individual projects.

Chair of Lake Tahoe Interagency Monitoring Program (LTIMP)

Mr. Praul spent 20 months leading this working group which provides a forum for discussing water quality monitoring issues and presenting new research. During his tenure, he initiated strategic adjustments to the group's mission statement, updated the LTIMP work plan, maintained a monthly schedule of speakers and strengthened ties to management level working groups in the Tahoe Basin.

Research Associate. Lawrence Berkeley National Laboratory

Mr. Praul was a key member of a team that designed new experimental protocols for high efficiency lamp testing. Duties included: design and fabrication of a fully automated goni-photometric machine for measuring spatial light intensity, writing and presenting technical papers to journal organizations, Labview computer control/data acquisition design, programming, maintenance, and fixture prototype design and fabrication. Other duties included directing undergraduate student researchers, and co-managing lab operations on a daily basis. Notable accomplishments include publishing papers, presentation of work to the IESNA, and explanations of the lab's experiments to funding organization representatives.

Program Coordinator. Interlocken Center for Experiential Learning

Hired, trained, and managed a staff of 16 people to implement a scholastically oriented experiential learning curriculum for groups of 100 sixth to twelfth grade students. Duties included: design of several diverse subject curriculum requiring experience with physical teaching resources and personnel capabilities, budgeting of limited funds, monitoring program areas and gaining feedback from teachers and staff, leading large discussion groups of up to 125 students, maintaining highest safety standards, and motivating extraordinary staff moral. Previous positions with Interlocken included International Trip Leader and Leadership Training Instructor for 14-18 year old students. These programs were conducted in diverse settings including international destinations.

Engineering Assistant. University California, Davis.

Worked under Dr. Andrew Frank as a crewmember for the world record holding (3,333 mpg) methanol powered High Mileage Vehicle from UC Davis. Duties included welding, machining metals, competition driving, safety appraisals, and maintenance of the vehicle. Other duties included training students in shop safety and mechanical fabrication techniques.

Select Publications & Presentations

Praul, C., December 2004, "Lake Tahoe Water Quality BMP Inventory". Lake Tahoe TMDL Symposium. http://www.swrcb.ca.gov/rwqcb6/TMDL/Tahoe/tahoe_symposium_12_04.html.

Praul, C. and T. Gavigan, April 2005, "Lake Tahoe Water Quality Project Inventory- Final Report". <http://www.ntcd.org/documents.htm>.

Siminovitch, M. and C. Praul, et al, May 1994 "Improving the Performance of Compact Fluorescent lamps...Using Thermal Bridge Systems," Journal of the Illumination Engineering Society of N. America.