

Title
Project Manager

Education
B.S. in Biology (magna cum laude), 1975, Stetson University, Deland, Florida
Ph.D. in Ecology, 1982, State University of New York, Stony Brook

Experience
27 years

Continuing Education
Federal Highway Administration course in Environmental Impact Statements and Related Documents
Parsons Project Manager Certification

Summary

Robin has 27 years of experience as an environmental scientist and ecologist. She is an expert in compliance with National Environmental Policy Act (NEPA) and California Environmental Quality Act (CEQA) regulations, and has been a project manager for EIRs and other environmental documents prepared for industrial, residential, and public works projects including EIRs for water, recycled water, wastewater, flood control and solid waste facilities. Robin specializes in water resources, water recycling, and wastewater and is experienced with facilities planning, alternatives development and analysis, permitting, implementation and monitoring of mitigation programs.

As project manager for preparation of numerous NEPA and CEQA documents, Robin has had extensive involvement in public participation. She has conducted scoping meetings and workshops, coordinated workshops for development of alternatives, presented workshops on environmental constraints analyses, conducted preliminary public reviews of environmental documents, and conducted meetings and hearings on draft and final environmental documents.

Relevant Experience

Water Supply / Flood Control

Program Management Project, Freeport Regional Water Authority Environmental Reviewer. On the Environmental Staff of the Freeport Regional Water Authority as part of the program management team; responsible for coordinating preparation of NEPA and CEQA documents, obtaining Biological Opinions from U.S. Fish and Wildlife Service and NOAA Marine Fisheries, obtaining 404 Permit for project, obtaining permits for discharges of water associated with facility testing, and purchasing mitigation credits.

Baden and San Pedro Valve Lots Improvements Project, San Francisco Public Utilities Commission
Environmental Project Manager. Serving as extension of PUC staff to provide environmental project management for preparation of Initial Study/Mitigated Negative Declaration for project to make improvements to water system to increase reliability. Responsible for document review, management of consultant work products, schedule and budget. Facilitating coordination with San Francisco Planning Department’s Major Environmental Analysis (MEA) Section.

San Andreas Pipeline No. 3 Installation Project, San Francisco Public Utilities Commission
Environmental Project Manager. Serving as extension of PUC staff to provide environmental project management for preparation of

Environmental Impact Report for project to construct 4.4-mile pipeline from Daly City to Merced Manor Reservoir in San Francisco. Responsible for document review, management of consultant work products, schedule and budget. Facilitating coordination with San Francisco Planning Department's Major Environmental Analysis (MEA) Section.

Clay Station Chlorination Facilities Addendum, East Bay Municipal Utility District

Project Manager. Prepared an Addendum to the Freeport Regional Water Project EIR/EIS addressing the addition of chlorination facilities at EBMUD's Clay Station Pumping Plant. The addendum addressed visual, biological and cultural resources impacts of the new facilities. Adequacy of existing mitigation to address hazards associated with chlorination facilities was addressed and it was determined that the new facilities would not result in any new impacts.

Water Supply Improvement Program Assessment, San Francisco Public Utilities Commission

Environmental Reviewer. Participated on the team that conducted the Assessment of the San Francisco Public Utilities Commission's Water Supply Improvement Program (WSIP). Prepared environmental components of the Alternatives Analysis Report for Recycled Water. Assisted with evaluation of water supply alternatives for the WSIP program EIR. Evaluated alternative locations for potential desalination facility.

Pasadena Groundwater Storage Program, City of Pasadena Department of Water and Power

Technical Reviewer. Provided technical review for EIR evaluating aquifer storage and recovery project designed to augment water supply by storing surface water supplies in the groundwater basin. Coordinated responses to agency comments on the document and advised on CEQA strategy.

Granite Ridge Water Supply Project, Monterey County Water Resources Agency

Environmental Task Manager. Responsible for identification of environmental and permitting issues necessary for implementation of project to develop potable water system to connect to existing mutual systems and individual water systems in the Granite Ridge area of Monterey County. Contributed to engineering study developed for use in a Proposition 218 assessment proceeding.

Deep Water Intake Project, Southern Nevada Water Authority

Senior Biologist. Prepared Biological Assessment for Southern Nevada Water Authority Deep Water Intake. The BA addressed impacts to fish species in Lake Mead and to the desert tortoise. Obtained a favorable Biological Opinion from U.S. Fish and Wildlife Service.

Snell Pipeline EIR, Santa Clara Valley Water District

Project Manager. Managed preparation of EIR for the Snell Pipeline in San Jose. Coordinated with engineering team and environmental staff, and assisted with public outreach.

Berryman Reservoir Replacement EIR, East Bay Municipal Utility District

Project Manager. Managed preparation of the EIR for the Berryman Reservoir Replacement, which included facilities in Berkeley and Oakland. Coordinated with engineering team and public outreach team. Assisted District in finding and evaluating alternative reservoir sites

New Melones Water Supply Project, Tuolumne County and the Bureau of Reclamation

Project Manager. Managed preparation of Supplemental EA/EIR for Tuolumne County and the Bureau of Reclamation. The EIR evaluated options for the County to exercise their entitlement to water supply from the New Melones Reservoir, including a proposed change in place of use. Coordinated with engineering team, planning department, and public outreach team.

Tuolumne County Ditch Piping Project, Tuolumne County

Project Manager. Managed preparation of EIR for Tuolumne County's project to convert existing open water conveyance ditches to pipelines. Coordinated with engineering team and planning department, and conducted public outreach program.

Guadalupe River Flood Control Project, Santa Clara Valley Water District and U.S. Army Corps of Engineers

Project Manager, Technical Director. Project manager and later technical director for Guadalupe River Flood Control Project EIR/EIS prepared for Santa Clara Valley Water District and U.S. Army Corps of Engineers. Worked closely with Corps in completing 404 Permit for the project.

Stanford Foothill Reservoir Initial Study/Negative Declaration, Santa Clara County

Project Manager. Managed preparation of the Initial Study/Negative Declaration for the Stanford Foothill Reservoir, a supplemental water supply reservoir for the Stanford campus.

Clayton Transmission Main, Contra Costa Water District

Project Manager. Responsible for preparation of the Initial Study/Negative Declaration for the Clayton Transmission Main for Contra Costa Water District.

Water Reclamation**Windsor Geysers Recharge Pipeline Connection Project, Town of Windsor**

Project Manager. Prepared an Addendum to the Town's EIR for the Water Reclamation Master Plan for Treatment, Storage and Disposal addressing connection to the City of Santa Rosa's geysers pipeline. The EIR was prepared in 2001 and since the preparation of the EIR regulatory guidance regarding endangered species in the Santa Rosa Plan had been adopted. The addendum focused on ensuring that there were no new impacts to biological resources, and that the Town's connection to the pipeline would not result in new impacts associated with the City of Santa Rosa's discharge to the Russian River.

Groundwater Recharge Pilot Program Using Recycled Water, City of Lancaster

Environmental Reviewer. Contributed to fatal flaws analysis evaluating feasibility of pilot program to evaluate recharge of groundwater using recycled water. Identified environmental constraints and coordinated with regulatory agencies to identify their concerns.

Monterey Wastewater Reclamation Study for Agriculture, Monterey County

Assistant Project Manager. Responsible for data management, literature review, and report preparation for the Monterey Wastewater Reclamation Study for Agriculture, a 5-year study to determine feasibility and safety of irrigating food crops with reclaimed water. Duties included analysis and interpretation of all data on quality of water, soils, and plant tissue; participation in treatment plant operations subcommittee; and assistance to project engineers in interpretation and evaluation of reclaimed water quality data.

Wastewater Reuse Evaluation, Alpine County

Project Manager. Evaluated the ongoing water reuse program and coordinated development of a monitoring program to evaluate impacts of reuse of reclaimed wastewater on agricultural lands.

Value Engineering Study of Wastewater Facilities, City of Sedona, Arizona

Environmental Team Member. Value engineering team member for VE study of Sedona, Arizona Wastewater Facilities, responsible for evaluation of reclamation/wetlands reuse.

Water Reuse Survey, Alameda County Water District and Union Sanitary District

Project Manager. Managed the Alameda County Water District/Union Sanitary District Water Reuse Survey project, which evaluated water recycling demand and developed options for water reuse.

South Bay Water Recycling Project, City of San Jose

Project Manager. Managed preparation of the San Jose Nonpotable Reuse Project EIR, and supplemental NEPA/CEQA environmental documents for the both Phase 1 and Phase 2 of the South Bay Water Recycling Project in San Jose.

Subregional Long-Term Wastewater Project EIR/EIS, City of Santa Rosa

Deputy Project Manager. Coordinated engineering and technical tasks and reviewed environmental documents. One of the key members of the public involvement team on this highly controversial project. The team successfully navigated from intense public opposition to public acceptance at the end of the process.

East Bayshore Recycled Water Project EIR, East Bay Municipal Utility District

Project Manager. Responsible for preparation of EIR for project to provide recycled water to the Cities of Alameda, Oakland, Berkeley, and Albany. Supplemental CEQA review conducted to evaluate changes proposed during design of the project. Assisted public outreach team.

Petaluma Water Recycling Facility EIR, City of Petaluma

Deputy Project Manager. Coordinated engineering and technical tasks and reviewed environmental documents.

Recycled Water Facilities Master Plan EIR, South Tahoe Public Utilities District

Technical Director. Reviewed environmental documents for program to expand and upgrade STPUD water recycling program.

Santa Rosa Incremental Recycled Water Program EIR, City of Santa Rosa

Technical Director. Reviewed environmental documents for program evaluating numerous alternatives for expanding Santa Rosa's existing recycled water program. Alternatives include direct and indirect discharge to the Russian River, expanded irrigation programs, and expansion of the existing geysers discharge project.

Recycled Water Alternatives Analysis Report, San Francisco Public Utilities Commission

Technical Support. Assisted with preparation of Recycled Water Alternatives Analysis Report for San Francisco Public Utilities Commission. Responsible for evaluating environmental constraints and determining permitting requirements.

Wastewater**Main Wastewater Treatment Plant Land Use Master Plan EIR, East Bay Municipal Utility District**

EIR Task Manager. Managing preparation of EIR addressing new facilities at Main Wastewater Treatment Plant that are proposed in connection with District's acquisition of new property adjacent to the existing treatment plant site. EIR focuses on impacts on adjacent land uses, with particular emphasis on traffic associated with new facilities.

William Holcomb Meadowood Pipeline Replacement Project, Ross Valley Sanitary District

CEQA Task Manager. Prepared a Categorical Exemption for project to upsize existing sewer lines to correct capacity deficiencies. Project included a crossing of Larkspur Creek, which is potential habitat for steelhead. Coordinated with Department of Fish and Game to include water quality and habitat protection measures in the project so that District could adopt a Categorical Exemption for the project.

Sanitary Sewer Overflow Correction Program, City of San Francisco

Project Manager. Managed preparation of the Yosemite Transport Storage Structure EIR, Sunnydale Transport Storage Negative Declaration, and Hunters Point Facility and Southeast Sewer Modifications

Negative Declaration. These three projects provided environmental documentation for elements of the City of San Francisco's program to correct combined sewer overflows.

Lexington Basin Sewage Disposal EIR, Santa Clara County

Project Manager. Managed preparation of the Lexington Basin Sewage Disposal EIR, which evaluated impacts of amending a septic system ordinance in Santa Clara County.

San Ramon Valley Recycled Water Program EIR, Dublin San Ramon Services District, Santa Clara County

Technical Support. Wrote Addendum to the Dublin San Ramon Services District's Environmental Impact Report for the San Ramon Valley Recycled Water Program, addressing modifications to treatment facilities.

Sea Ranch Sanitation Zone Wastewater Modifications Project, Sonoma County Water Agency

Project Manager. Managed preparation of the EIR for the Sonoma County Water Agency's Sea Ranch Sanitation Zone Wastewater Treatment, Storage, and Disposal Modifications Project. The project included conceptual design of two new reservoirs and evaluation of new pipelines, pump stations and storage facilities to ensure more reliable disposal of treated wastewater in compliance with the Agency's Water Reuse Requirements.

Other Projects

Solid/Hazardous Waste Management Project EIRs, Various Clients

Project Manager, Technical Director. Managed preparation of the EIR for siting of a new landfill in Contra Costa County. Prepared biological resources sections for the Central Landfill EIR in Contra Costa County. Managed preparation of the Buena Vista Soil Stockpile Management Project EIR for Santa Cruz County. Served as Technical Director for the Kiefer Landfill Expansion EIR and Kiefer Solid Waste Facilities Permit Revision EIR in Sacramento County.

Transportation Project EA/EIRs, Physical Impacts Analyses, and Biological Assessments, California Department of Transportation

Project Manager, Technical Director. Project Manager for Caltrain Extension to Monterey County Passenger Rail Stations EA/EIR. Project manager for three supplemental EIRs evaluating phases of the Richmond Parkway. Managed preparation of physical impacts analyses for a number of federally funded highway projects, including State Route 65 in Tulare County, State Route 180 in Fresno County, U.S. 101 in Monterey County (Prunedale Bypass) and San Luis Obispo County (Cuesta Grade), State Route 58 in Kern County and State Route 84 in Alameda County. Prepared Biological Assessment for Salmonid Fish for State Route 101 HOV Lanes in Sonoma County. Prepared Biological Assessment for Vernal Pool Species for State Route 101 HOV Lanes in Sonoma County.

Urban Planning Project EIRs and Initial Studies, Various Clients

Technical Director, Project Manager. Technical director for EIRs for the Wong Subdivision Residential Development in Saratoga, Seecon Annexation and Residential Development EIR in Tracy, Verner-Lathrop General Plan Amendment EIR in San Joaquin County, and Crowne Point Residential Development EIR in Contra Costa County. Technical Director for the Burbank Avenue Annexation EIR for the City of Santa Rosa. Project Manager for the Stadium Area Specific Plan EIR for the City of Rohnert Park. Technical Director for numerous Initial Studies for residential developments in the Town of Moraga. Project Manager for Casa Buena Initial Study for Town of Corte Madera.

Recreation Project EIRs, Various Municipal and County Clients

Technical Director, Technical Reviewer, Project Manager. Technical director for Quail Hollow Ranch Master Plan EIR and Shoreline Middle School and 17th Avenue Recreational Swim Center EIR, both

prepared for Santa Cruz County. Senior reviewer for Richmond Parkway Bikeway-Trail Plan. Project Manager for EIR for Brentwood Rod and Gun Club prepared for Contra Costa County. Technical Director for the EIR for the Riverside RV Park prepared for Santa Clara County.

Institutional Expansion EAs, EIRs, and Initial Studies, Various Clients

Technical Director, Project Manager. Managed preparation of the Environmental Assessment for the National Science Foundation on the Gemini Telescope at the Mauna Kea Science Reserve. Technical Director for the Biological Sciences Expansion Building EIR for Stanford University and Richmond School Site EIR prepared for the Richmond Unified School District. Project Manager for the EIR for Stanford University's General Use Permit/Community Plan, the Stanford Foothill Reservoir Initial Study/Negative Declaration, and for Stanford Encina Gymnasium/Arrillaga Family Recreation Center EIR, all prepared for Santa Clara County. Technical Director for Initial Study for Ageno Townhouses at St. Mary's College, prepared for the Town of Moraga. Project Manager for Initial Study/Negative Declaration prepared for U.C. Davis' Physical Sciences Expansion and Service Unit Park.

Mining and Energy Resources Development EIRs, Various Clients

Project Manager. Project Manager for the Placer Services San Juan Ridge Gold Mine EIR prepared for Nevada County. Technical director for Soda Lake Facility Expansion Project EIR, Bonny Doon Quarries EIR in Santa Cruz County, Falcon Energy Agricultural Biomass Processing and Waste Oil Recovery Facility EIR in San Joaquin County, and Marport Enhanced Oil Recovery Project EIR in Monterey County. Technical Director for Soda Lake Facility Expansion Project for Santa Cruz County.

Water Quality Studies, Lake Management Plans, Various Clients

Project Manager, Technical Director. Project manager and later technical director for water quality studies of Lake Merritt in Oakland and Lake Elizabeth in Fremont. Prepared lake management plans for Schooner Bay and Lantern Cove Lakes, Nantucket Cove Lakes, and Fremont Corporate Center Lake.

Publications/Presentations

"Monitoring Water Quality in Seasonal Storage Reservoirs – How Utilities Are Maximizing Recycling without Going Bright Green" presented at 23rd Annual Water Reuse Symposium, Dallas, Texas, and September 8, 2008 and WEFTEC 2008 (coauthors Nichole Baker, Chris van Lienden, Dave Richardson)

"Freeport Regional Water Project—a Regional Water Supply Solution" developed panel presentation for California Association of Environmental Professionals State Conference, Sacramento, California, May 21, 2005.

"Turning Reclaimed Water into Energy" presented at WEFTEC '98, Orlando, Florida, October 1998 (coauthors Anders Hauge, Pat Collins, Daniel Carlson).

"How Much Can Santa Rosa Expand Its Water Reuse Program?" presented at Water Reuse 1998, Lake Buena Vista, Florida, 3 February 1998.

"Not in My Back Forty! How Much Can Santa Rosa's Successful Water Reuse System Be Expanded?" presented at WEFTEC '97, Chicago, Illinois, 21 October 1997, (co-authored with Anders Hauge and Daniel Carlson).

"How Much Can Santa Rosa Expand Its Successful Water Reuse System?" presented at 1997 Water Reuse Symposium, San Diego, California, 15 October 1997.

"Expanding Santa Rosa's Water Reuse System: Technical Issues and Tradeoffs: Water Quality Concerns and Impacts of Storage," presented at 1997 Association of Environmental Professionals Statewide Conference, San Francisco, California, 3 May 1997.

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- “Assessment of Released Organics from Leaf Biomass on Air Quality in the State of California,” presented at Energy from Biomass and Wastes 14th Annual Conference, Lake Buena Vista, Florida, 29 January 1990 (co-written with Catherine Badgett-West).
- “Monterey Wastewater Reclamation Study for Agriculture,” *Journal of the Water Pollution Control Federation*, Volume 62, No. 3, May/June 1990 (co-authors B. Sheikh, W. R. Kirkpatrick, R. S. Jaques, T. Asano).
- “A Case Study of Environmental Impacts and Benefits: Tuolumne County Ditch Piping Project,” presented at Public Forum on Water Issues in Tuolumne County - Time for Decisions, Columbia, California, 5 November 1988.
- “Monterey Wastewater Reuse Study,” presented at AWWA-FPCA-FW & PCOA Joint Conference, Jacksonville, Florida, 12 November 1987.
- “Safety, Feasibility, and Cost of Reuse of Wastewater for Irrigation of Raw-Eaten Vegetables,” presented at Water Reuse Symposium IV, Denver, Colorado, 4 August 1987.
- “Reclaimed Water for Irrigation of Vegetables Eaten Raw,” *California Agriculture*, 41(7,8) 4-7, 1987 (co-authors R. G. Burau, B. Sheikh, R. C. Cooper, D. Ririe).
- “Reuse of Tertiary Municipal Wastewater Effluent for Irrigation of Raw-Eaten Food Crops: A Five Year Field Study,” published in *Desalination*, 67, pp. 245-254, Elsevier Science Publishers B. V., Amsterdam, 1987 (co-authors B. Sheikh, R. S. Jaques).
- “Reusing Wastewater,” *American City and County*, October 1987.
- “Ecology, Impact Assessment, and Environmental Planning” by Walter Westman, book review, *Quarterly Review of Biology*, 61(1) 130-131, 1986.
- “Environmental Impact Assessment, Technology Assessment, and Risk Analysis” by V. T. Covello, J. L. Mumpower, P. J. M. Stallen, and V. R. R. Uppuluri, book review, *Quarterly Review of Biology*, 61(4) 570, 1986.
- “Wastewater Management: Disposal or Reuse?” presented to University of California at Davis Extension conference on Tomorrow’s Concrete: Paying and Planning for Public Works in California. Sacramento, California, 8 March 1985.
- “Adaptation to Host Plants in the Fall Cankerworm (*Alsophila pometaria*) and Its Bearing on the Evolution of Host Affiliation in Phytophagous Insects,” *American Naturalist*, March 1984 (co-authors D. J. Futuyama and I. Van Noordwijk).
- “Insect Communities on Potatoes: The Effect of Plant Community Structure,” Ph.D. Dissertation, State University of New York, Stony Brook, 1982.
- “Effect of Nonhost Plants on Movements of Colorado Potato Beetles, *Leptinotarsa decemlineata* (say) (Coleoptera: Chrysomelidae),” presented at the Eastern Branch Meeting of the Entomological Society of America, September 1980.
- “Floral Biology of *Markea neurantha* Hemsley (Solanaceae), a Bat Pollinated Epiphyte,” *American Midland Naturalist*, February 1980 (co-authors R. Voss, M. Turner, R. Inouye, and M. Fisher).
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