

René Langis, Ph.D.

Biological Resources/Wetlands

Education

Ph.D./1989/Water Science

MS/1982/Environmental Engineering

BS/1979/Environmental Biology

Relevant Experience

Dr. Langis is a Senior Aquatic Biologist with 23 years of experience in applied aquatic ecology. His experience as a task manager and project manager includes participating and managing complex field investigations that often involve compressed schedules. He has 9 years of project management experience in environmental consulting and has been certified as a Project Management Professional by the Project Management Institute.

Representative Projects

Caltrans District 4 On-Call Environmental Services. Senior aquatic biologist – task leader on the preparation of the Redwood Creek Bridge No. 20-43 at KP 35.0 (PM 21.8) and Maacama Creek Bridge No. 20-41 at KP 27.8 (PM 17.3) Biological Assessment. Senior review of numerous other biological reports prepared under this contract.

Coyote Watershed Program, Santa Clara Valley Water District, CA. Responsible for environmental documentation per CEQA and NEPA and permitting for the Coyote Watershed Program. The program is implementing a series of stream restoration and flood control improvement projects within the watershed, many of which are under an accelerated schedule. Major issues include wetlands, endangered species, cold water fisheries, and habitat conservation and restoration.

Pond A-4 Tidal Wetland Restoration, Santa Clara, CA. Senior aquatic biologist – task leader for preparation of the Water Quality Section of the Opportunity and Constraints Memorandum. Task included analysis of existing conditions and of potential effects on water quality of opening Pond to tidal exchange including potential effect on mobilization of toxic material.

State Route 37 Pipeline, Vallejo, CA. Responsible for environmental permitting associated with the relocation of a sewer pipeline along State Route 37 in Vallejo. Although conducted for the Vallejo Sanitation and Flood Control District, the project was closely coordinated with Caltrans District 4 (and FHWA) since the agency provided the funding. The project included the preparation of environmental documentation under CEQA as well as the preparation and coordination of permit applications with the USACE, the San Francisco BCDC, the San Francisco Bay RWQCB, and the California Department of Fish and Game (CDFG).

Seismic Retrofit of Richmond-San Rafael Bridge, CA, Caltrans District 4. Task manager for all environmental permitting efforts associated with the seismic retrofit of the Richmond-San Rafael Bridge. The biological components of the work were performed to comply with requirements of Caltrans' Guidance for Consultants: Procedures for Completing the Natural Environmental Study and Related Biological Reports. Required

permits included permits from USACE, RWQCB, and BCDC as well as Section 7 Endangered Species Act consultations with FWS. Coordinated the preparation of environmental permits/authorizations, including USACE Individual Permit (Section 404), Dredge Material Management Office Permit, San Francisco BCDC Major Permit, RWQCB Water Quality Certification (Section 401), United States Fish and Wildlife Service/National Marine Fisheries Service (USFWS/NMFS) Section 7 Consultation Endangered Species Act. Also prepared a mitigation and monitoring plan for potential negative impacts to eelgrass beds. Coordinated the development of mitigation and monitoring plans for the peregrine falcon, the Pacific herring, harbor seals, and double-crested cormorants. Incorporated permit requirements in project PS&E.

Aviva Jali Rossi

Wildlife Biologist

Education

M.S., Environmental Management (emphasis on wetland and fire ecology), University of San Francisco, 2002.

B.A., Psychobiology (emphasis on wildlife behavioral ecology), University of California, Santa Cruz, 2000.

Relevant Experience

Ms. Rossi is a wildlife biologist in CH2M HILL's San Francisco Bay Area office. She is familiar with environmental regulations, environmental planning, and key special status species issues. She is experienced in composing sections of NEPA/CEQA documents, as well as Biological Assessments, and has researched and composed wildlife technical memos. Ms. Rossi has conducted biological constraints analysis on roadway, utility, and flood control projects, in which she assessed potential biological issues and mitigation. For these assessments, she has used aerial photographs, California Natural Diversity Database and California Native Plant Society Electronic Inventory search results, reconnaissance level surveys, and literature reviews. She has coordinated graphics for documents, primarily those representing biologically sensitive areas.

Ms. Rossi's areas of specialization are field and literature assessment of natural resources, prioritizing project needs, promoting cohesiveness in groups, and coordinating multiple teams. Specific skill sets are listed below.

Field biologist:

- Conduct invasive plant species management and lead restoration crews
- Conduct surveys to locate and monitor nesting birds
- Identify habitat for special-status species
- Conduct general habitat type characterization, tree surveys, wetland delineations, and mapping
- Proficient with topographic maps, Trimble and Garmin GPS units, and their associated software
- Experienced using telemetry to track birds and mammals, familiar with Trackmaster photostations

Representative Projects

On-Call Environmental Services, California Department of Transportation. As Task Lead and liaison between CH2M HILL and Caltrans biology and permitting teams for two consecutive multi-million dollar On-Call environmental services contracts, responsible for task management for multiple task orders starting at \$250,000, client coordination, field sub-contractor oversight, and deliverables. These included tree surveys, environmental assessment documents, permitting, special status species surveys, wetland delineations, rare

plant surveys, identifying restoration for mitigation opportunities, San Francisco Bay Conservation and Development Commission submittals, California Coastal Commission permits, compliance matrices, GIS mapping, and general habitat characterizations. I have worked on gaining permits for projects under the jurisdiction of the Fish and Wildlife Service: Endangered Species Act, California Department of Fish and Game: Lake and Streambed Alteration Agreements, and Army Corps of Engineers: Clean Water Act.

Pre-Demolition Surveys, Johnston Island National Wildlife Refuge. As the on-site wildlife biologist for the decommissioning (demolition and clean-up) of Johnston Island, National Wildlife Refuge, responsible for conducting pre-demolition surveys for nesting birds, coordinating and negotiating with the U.S. Fish and Wildlife Service, and worker awareness. Developed positive working relationships with the U.S. Fish and Wildlife Service management based in Honolulu. Served as permitted biologist for any salvage activities required by the project in 2004. I have experience with mean incubation counts and banding through volunteering with the on-site U.S. Fish and Wildlife Service biologist.

As the revegetation Field Team Lead for the Johnston Island decommissioning, responsible for organizing, working with, and directing a crew of up to 17 individuals to conduct the planting and maintain the on-site nursery. The activities involved on-site propagation of local plant populations, maintaining the on-site nursery, hardening plants received from off-site nurseries, planting at four separate project areas with goals ranging from habitat creation to erosion control, and developing watering schedules to balance limited freshwater supply with restoration success.

As-Needed Biological Services, Santa Clara Valley Water District, CA. Supported the Santa Clara Valley Water District on an as needed basis for biological resource assessment and protection. Composed sections of Biological Assessments, conducted general habitat characterizations, conducted surveys for nesting migratory birds, using the districts protocol, and surveyed for raptors. Captured and relocated aquatic vertebrates, using seining and electro-fishing, to protect native species during de-watering activities associated with flood control projects. Held a permit from the California Department of Fish and Game for electro-fishing under this project.

Maral Kasparian

Wildlife Biologist

Education

M.S., Wildlife and Fisheries Ecology, Oklahoma State University, 2002

B.S. Wildlife, Fish and Conservation Ecology, University of California, Davis, 1999

Relevant Experience

Ms. Kasparian is a wildlife biologist in CH2M HILL's Oakland, California office. She is familiar with environmental regulations, environmental planning, and key special status species issues. She has composed sections of CEQA documents, AFC permit applications, CCC permit applications, and has researched and composed wildlife technical memos. Ms. Kasparian has conducted biological constraints analysis on roadway and utility projects in which she assessed animal and plant species and their relative habitats. For these assessments, she has used aerial photographs, California Natural Diversity Database and California Native Plant Society Electronic Inventory search results, reconnaissance level surveys, and literature reviews. She has coordinated graphics for documents, primarily those representing biologically sensitive areas.

Ms. Kasparian has extensive field experience, including conducting:

- live-trapping and handling of over 300 carnivores, various rodent and marsupial species, and amphibians;
- vegetation sampling including use of densitometer, Daubenmier frame for percent cover estimates, visual obstruction board and dbh tape;
- tree, grass and herbaceous vegetation identification;
- tracked movements by radio-telemetry, homing, and triangulation of opossums, black bears, and feral cats; identification and marking of amphibians;
- transect surveys for raptor fatalities by wind turbines.
- Proficient in researching literature using online search engines and journals, formulating reports, data summaries, and field notes.
- Accomplished in GPS unit, radio-telemetry instrument, map and compass use.

Representative Projects

Caltrans (client), Devil's Slide Emergency Repair, San Mateo County, CA. Preparing and writing all necessary sections for this permit to the California Coastal Commission.

Caltrans, East Washington Interchange, City of Petaluma, Sonoma County, CA. Preparing and writing all necessary sections of Initial Study/Mitigated Negative Declaration, as well as coordinating and managing information between CH2M HILL staff, Caltrans and subcontractors.

Caltrans, Jameson Canyon HWY 12, Napa and Sonoma Counties, CA. Preparing analyses and writing of the NES. Assisting with field surveys, survey reports, GIS and analyses.

Professional Studies

- *EPA Office of Water*
Watershed Management Training Certificate (5/06)
- *Jepson Prairie Docent Training Solano Land Trust (2 - 3/06)*
Vernal pool flora, fauna, soils and management class and field studies
- *UC Davis Extension Coursework*
Habitat Conservation Planning (6/06)
Endangered Species Regulation/Protection (2/06)
Review of CA Water Projects: Legal Requirements (2/06)
- *California Association of Environmental Professionals*
CEQA Training Seminar, Sacramento (11/05)