APPENDIX 8.2B

Resume of Biological Resources Staff

Marjorie A. Eisert

Senior Wildlife Biologist

Education

B.S., Wildlife and Fisheries Biology, University of California, Davis

Relevant Experience

Ms. Eisert is a senior wildlife biologist in our Sacramento, California office with over 16 years of experience working on applied environmental problems in terrestrial habitats. Ms. Eisert's duties include performing general and special-status wildlife surveys and census techniques and has conducted studies in California, Nevada, Oregon, Washington, and Alaska. Her expertise includes knowledge of invertebrate and vertebrate natural history, handling and restraint of herpetile, bird, and mammalian species, experience with vertebrate and invertebrate collection methodologies and techniques, and identification of herpetile, bird, and mammalian species. She is familiar with state and federal regulations pertaining to both wetland and wildlife issues. She prepares biological assessments for endangered species and develops mitigation plans for Section 7 and 10(a) under the Endangered Species Act. Ms. Eisert prepares Integrated Natural Resource Management Plans for several military installations in the United States and overseas. Ms. Eisert is also a project manager, with experience managing water delivery, environmental, and transportation projects.

Selected Project Experience

Project Manager/Project Biologist, Kinder Morgan On-Call Biological Services Program. Provide on-call biological surveys in support of Kinder Morgan's pipeline maintenance program. Conducted biological surveys, including valley elderberry longhorn beetle, burrowing owl, and raptor surveys. Provide permitting support when necessary, including consultation with U.S. Fish and Wildlife Service for Section 7 of the Endangered Species Act, preparation of Streambed Alteration Agreements for the California Department of Fish and Game, Section 404 applications for the U.S. Army Corps of Engineers, and Section 401 applications to the Regional Water Quality Control Board.

Project Biologist, Biological Surveys, COB Energy Facility, Oregon. Evaluated ecological resources including wetlands and threatened and endangered species for the development of a 46-acre project site and associated transmission, gas, and water utility lines. Conducted bald eagle and amphibian surveys as well as general reconnaissance of the project vicinity. Coordinated Section 7 consultation with the U.S. Fish and Wildlife Service as well as the Oregon Department of Fish and Game and the Bureau of Land Management.

Task Manager, Hickman Bridge Scour Countermeasures Project at Waterford, County of Stanislaus, California. Prepared a Natural Environmental Study document for Stanislaus County to implement emergency stabilization measures for the Hickman Bridge. Evaluated project impacts to special-status species and consulted with the U.S. Fish and Wildlife Service to determine appropriate mitigation measures.

Task Manager, Hyampom Road Improvement Project, Trinity County, California. Responsible for managing biological studies, including northern spotted owl surveys, raptor surveys, amphibian surveys, rare plant surveys, and wetlands delineation. Conducted biological surveys, Section 7 consultation, and prepared Biological Assessment for the proposed project. The project consisted of approximately 8.6 miles of improvements along Hyampom Road, including widening lanes and smoothing of curves.

Project Biologist, Biological Surveys, Pacific Gas Transmission Company. Evaluated ecological resources including wetlands and threatened and endangered species along an 85-mile proposed natural gas pipeline route in southern Oregon for Pacific Gas Transmission Company. Surveys included owl calling, herpetile ground searches, amphibian surveys, and use of the Pathfinder Global Positioning System, as well as management of the collected field data. Senior wildlife biologist for the PGT Medford Extension natural gas transmission line routing studies in Oregon. Involved in the initial alternative route selection for this project and responsible for coordinating the data for the geographical information system (GIS) used. This information was added to the GIS database so that historical and current information could be viewed with the proposed alignment to determine alignment changes cost-effectively and to minimize environmental effects of construction.

Project Manager, Kinder Morgan Energy Partners Nellis Air Force Base Fuel System Upgrade, Nevada. Project manager for new pipeline and jet fuel storage project including environmental baseline survey (EBS), environmental assessment (EA), air permitting, Section 7 consultation, and coordination with the U.S. Air Force.

Project Biologist, Ecological Risk Assessment, Weapons Support Facility, Seal Beach, California. Collected mammal, fish, invertebrate, and plant samples for assessment of toxicity and exposure, and evaluation of potential stratum-specific risks to potential receptors.

Project Biologist, Ecological Risk Assessment, Marine Corps Base Camp Pendleton, California. Conducted bird surveys, small mammal trapping, invertebrate and plant sample collections to identify potential contaminant exposure routes. Conducted endangered species surveys for a biological assessment for site remediation on the base. Assisted in the preparation of a basewide ecological risk assessment for selected sites at Marine Corps Base Camp Pendleton in California, including modeling food chain bioaccumulation of selected metals and pesticides, developing preliminary remediation goals for ecological receptors, and evaluating potential risks to plants, invertebrates, mammals, birds, and fish.

Project Biologist, Impact Analysis for Water Projects, Eastern Utah. Conducted HEP data collection over 12 sites throughout eastern Utah. Measured 45 biological variables including tree height and density, snag quality, and plant identification. Results of the data collection were input into HEP for analysis of potential impacts of proposed water projects.

Conducted wildlife surveys and collected waterfowl and shorebird eggs to evaluate trace metal contamination, salinity, and bioaccumulation (emphasis on selenium effects) in a wide variety of freshwater habitats.

Project Biologist, Knauf Fiberglass Manufacturing Facility, City of Shasta Lake, California. Conducted biological surveys and wetlands delineation in support of environmental documentation (EIR) for a proposed fiberglass manufacturing facility. Prepared permit documentation for the U.S. Army Corps of Engineers and the California Department of Fish and Game.

Project Biologist, Arden Garden Connector, City of Sacramento, California. Conducted biological surveys, including valley elderberry longhorn beetle and giant garter snake surveys, and an inventory of trees occurring in the project corridor. Studies were conducted to support environmental documentation for the construction of the Arden Garden Connector. Project responsibilities included preparation of permit documentation for the U.S. Army Corps of Engineers, California Department of Fish and Game, Regional Water Quality Control Board and Section 7 consultation with the U.S. Fish and Wildlife Service. Preparation of a mitigation plan for the removal of several elderberry shrubs as well as procurement of off-site mitigation was also required for this project.

Project Manager, Biological Monitoring Program, U.S. Bureau of Reclamation. Project Manager from 1994 to present. Conduct bird surveys, San Joaquin kit fox surveys, small mammal trapping, invertebrate and plant sample collection as part of the ongoing Biological Monitoring Program at Kesterson Reservoir in the Central San Joaquin Valley, California. Present results of the monitoring in an annual report that is used to determine risks to wildlife and the success or failure of cleanup procedures at the Reservoir.

Field Team Leader, Confirmatory Sampling and Ecological Risk Assessment for Bolsa Chica Lowlands, U.S. Fish and Wildlife Service, California. Field Team Leader for field investigations of surface water, sediment, surface and subsurface soil, and aquatic and terrestrial biota. Sample management responsibilities included implementation of an in-house sample tracking system and laboratory coordination for sample analysis and shipping. The focus of this ongoing project is to conduct sampling and to perform an ecological risk assessment for an active 1,200-acre oil production field in Orange County.

Project Manager, Ecological Risk Assessment, Unocal Guadalupe Oil Field. Responsible for managing the production of the preliminary ecological risk assessment for Unocal's Guadalupe Oil Field in Santa Maria. The purpose of the study was to identify the risks to wildlife from releases of diluent from leaking pipelines in the oil distribution system.

Project Manager, Habitat Mitigation Plan for Special-status Species, Sacramento County Department of Airports. Conducted wetland delineations of areas scheduled for development. Prepared permit documentation for the U.S. Army Corps of Engineers and the California Department of Fish and Game. Performed rare plant and special-status wildlife species surveys. Results of the project were used for the development of a habitat mitigation plan for special-status species at the Sacramento International Airport.

Project Biologist, Chevron Richmond Refinery, Richmond, California. Performed surveys of shorebirds nesting in constructed wetlands at a constructed wetland at a Chevron refinery in Richmond, California. Conducted nest searches, monitoring of incubating eggs, collection

of egg samples, and collection of fail-to-hatch and predated eggs. Data on selenium and mercury bioaccumulation were used with survey results to develop a management plan for the wetlands. The focus of these surveys were to determine if treated effluent from refinery operations were detrimental to wildlife using the treatment ponds.

Project Biologist, Integrated Natural Resource Management Plans, USAFE Air Bases in the United Kingdom and Turkey. Prepared Integrated Natural Resource Management Plans (INRMP) for several Air Force Bases in Europe. The purpose of the INRMP is to organize and direct the management of natural resources on an active military base without obstructing the base mission. Developed management plans for special-status plant and wildlife species as well as determined mitigation measures for future development on base.

Project Biologist, Ecological Risk Assessment, Marine Corps Base Camp Pendleton, California. Conducted bird surveys, small mammal trapping, invertebrate and plant sample collections to identify potential contaminant exposure routes. Conducted endangered species surveys for a biological assessment for site remediation on the base. Assisted in the preparation of a basewide ecological risk assessment for selected sites at Marine Corps Base Camp Pendleton in California, including modeling food chain bioaccumulation of selected metals and pesticides, developing preliminary remediation goals for ecological receptors, and evaluating potential risks to plants, invertebrates, mammals, birds, and fish.

Specialized Training

OSHA-SARA 40-hour Health and Safety Course
OSHA 8-hour Supervisor Training
CPR Certification, American Red Cross
Standard First Aid Certification, American Red Cross
U.S. Army Corps of Engineers 40-hour Jurisdictional Delineation of Wetlands