

APPENDIX 5.2E

Field Surveyors Resumes

Daniel Williams

Staff Biologist

Education

BS, Geography (Minor in Environmental Studies)

Distinguishing Qualifications

- Experience conducting surveys for burrowing owls, Swainson's hawk and other raptors, riparian avian point contacts, and general wildlife.
- Performs biological monitoring within project sites and construction zones.

Relevant Experience

Mr. Williams is a staff biologist with more than 3 years of specialized experience in avian ecology. He conducts general wildlife surveys in habitats in northern California. He is experienced in using Global Positioning System technology for various mapping projects.

Representative Projects

Project Biologist, Kinder Morgan Energy Partners, Rocklin, CA. Conducted preconstruction surveys prior to pipeline maintenance work. Surveys included identification of nesting birds and other sensitive wildlife species. Performed biological monitoring during vegetation removal to minimize disturbances to riparian vegetation and waterways.

Project Biologist, Union Pacific Railroad, Bridge Replacement, Cottonwood, CA. Performed preconstruction surveys for western pond turtle, white-tailed kite, and silky cryptantha. Monitored bridge construction crews during construction of a new concrete bridge as well as demolition of the old structure. Maintained compliance with measures set forth in the California Department of Fish and Game's Streambed Alteration Agreement, U.S. Army Corps of Engineers Nationwide Permit 14 conditions, and the Regional Water Quality Control Board's Water Quality Certification conditions.

Project Biologist, Cosumnes Power Plant, Annual Compliance Monitoring, Sacramento, CA. Performed annual survey of plant laydown, water pipeline, and concrete batch plant construction areas to determine success of re-vegetation efforts after construction.

Project Biologist, Camp Parks RFTA Biological Compliance for the Oakland RPX, OMS and AMSA Construction, U.S. Army Corps of Engineers, Dublin, CA. Performed burrowing owl clearance surveys and conducted biological monitoring of burrowing owl populations within construction zones.

Project Biologist, Wind Corridor Studies, Milford, UT. Performed burrowing owl transect surveys of an 18,000-acre project site for a wind farm and utility corridor. Duties included

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mapping burrowing owl burrows and documenting observations, as well as identifying general wildlife resources.

Project Biologist, Line 406/Line 407 Pipeline Project, Pacific Gas and Electric, Sacramento, CA. Conducted Swainson's hawk nesting survey according to California Department of Fish and Game guidelines. Suitable nest trees located within 0.5 miles of the approximately 44-mile pipeline route were surveyed for Swainson's hawk or other raptor use.

Experience Prior to CH2M HILL

Burrowing Owl Survey Crew Leader, Western Riverside County Multiple Species Habitat Conservation Plan. Responsible for organizing and supervising a burrowing owl survey crew and a colony census crew. Conducted riparian avian point counts, coastal sage avian transects, and burrowing owl colony census in accordance with regulatory agency protocols. Also conducted Delhi Sands Flower-loving Fly surveys, baiting of small mammal traps for Stephens' Kangaroo-Rat grids, and vegetation surveys associated with all avian protocols. Completed data entry of survey and census results in Access and Excel formats.

Avian Biologist, North Carolina Wildlife Resources Commission. Conducted state-wide winter bird transect surveys, vegetation surveys, Bald Eagle nest monitoring, avian point counts, and songbird nest searches. Established frog and bobwhite call routes.

Avian Field Technician, Iowa State University. In support of a graduate research investigation, performed avian point counts and nest search protocol and assisted with mist netting and territory mapping of Bobolinks for a student in northern Iowa and southern Minnesota. Also conducted vegetation surveys and completed data entry of survey results.

Park Naturalist, New Jersey Audubon. At Sandy Hook Bird Observatory, served as park naturalist and conducted a spring migration census.

Avian Field Technician, University of Wisconsin. Performed avian point count and nest search protocol, assisted with mist netting Grasshopper Sparrows and conducted vegetation surveys and data entry duties as part of a graduate research investigation conducted at Fort McCoy Military Reservation in western Wisconsin.

Biological Field Technician, Iowa State University. Conducted avian point count protocol and butterfly surveys as part of a graduate research investigation conducted in the Grand Teton/Yellowstone Park region.

Avian Field Guide, Gadabout Tours. Guided avian field trips in northern California. Led two out-of-state tours: southern Florida and a coastal history and shorebird workshop on the Oregon and Washington coasts.

Avian Field Guide, Mira Loma High School. In a volunteer capacity, served as a primary field biologist for four spring seasons and led high school students in conducting urban creek surveys, including developing point count protocol and assisting in bird identification. Taught a unit in shorebird ecology for the same group of students at Bodega Marine Laboratory.

Specialized Training

OSHA-SARA 40-hour Health and Safety Course
CPR Certification, American Red Cross
Standard First Aid Certification, American Red Cross

References

Marjorie Eisert
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Russell Huddleston

Associate Biologist

Education

M.S., Ecology, University of California at Davis, 2001

B.S., Biology, Southern Oregon University, 1998

Professional Registrations

Certified Professional Wetland Scientist

Distinguishing Qualifications

- Specialized experience in wetland delineation and assessment
- Specialized experience in conducting rare plant surveys and habitat characterization
- Specialized experience in conducting surveys for listed vernal pool invertebrates

Relevant Experience

Mr. Huddleston is a wetland ecologist/botanist in the Environmental Business Group in CH2M HILL's Sacramento office. He has more than 10 years of professional experience in plant community classification, habitat assessment, wetland science and special-status species surveys. His specific expertise is in vernal pool ecosystems. In addition, he is experienced in global positioning system (GPS) technology used for habitat mapping, wetland delineation, and special status species surveys.

Mr. Huddleston has conducted numerous protocol surveys for federally-listed vernal pool crustaceans for many clients, including Travis Air Force Base, Camp Pendleton Marine Corps Base, the California Department of Transportation and the Riverside County Transportation Commission. In addition, he has been involved in long-term population monitoring projects for vernal pool species in the Greater Jepson Prairie ecosystem in Solano County, California.

Mr. Huddleston has previous experience with the Agate Desert and vernal pools in Southern Oregon as an undergraduate student, a masters student, and while working for the Southwest Oregon office of the Nature Conservancy. He has experience with rare plants and vernal pool crustaceans in the area. In addition, Mr. Huddleston has conducted numerous wetland delineations in vernal pool ecosystems throughout the California.

Representative Projects

Project Biologist, Update to Natural Resource Management Plan, Travis Air Force Base, Solano County, California. Conducted an assessment and evaluation of basewide natural resources, including vernal pool habitats, rare plants, and special-status species. Various projects for the Base included vernal pool habitat mapping and assessment, protocol-level surveys for federally-listed vernal pool crustaceans, rare plant surveys, and wetland habitat mitigation monitoring.

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Project Biologist, California State Highway 12 Roadway Improvement Project, California Department of Transportation, Solano County, California. Conducted vernal pool invertebrate surveys and wetland delineations for Highway 12 roadway improvement Projects.

Project Biologist, On-call Environmental Services, Sacramento Municipal Utility District, California. Provided a range of environmental services, including wetland delineations, special-status species surveys, habitat assessment and compliance monitoring as part of the on-call environmental services contract.

Project Biologist, Forest Highway 114/Hyampom Road Reconstruction, U.S. Federal Highway Administration, Trinity County, California. As part of the environmental review process, consulted with federal resource agency staff, assisting with rare plant surveys and habitat mapping and classification. Habitat types included Douglas-fir forest, oak woodland and riparian ecosystems. The U.S. Federal Highway Administration in cooperation with the U.S. Forest Service and Trinity County proposed to reconstruct approximately 8.5 miles of Forest Highway in Trinity County, California.

Project Biologist, California-Oregon Border Power Plant, People's Energy Resources, Bonanza, Oregon. CH2M HILL was contracted by the California-Oregon Border Power Plant to prepare the Site Certificate Application for submittal to the Oregon Office of Energy. Project related facilities included a nominal 1,150-megawatt generating facility, a 7.2-mile electric transmission line, a 4.1-mile natural gas supply pipeline and a 2.8-mile water supply pipeline. Responsible for coordinating with state and federal resources agencies and conduction habitat mapping, rare plant surveys, and wetland delineations for the proposed project. Natural habitats included sagebrush steppe, juniper woodland, ponderosa pine forest and seasonal wetlands. Vegetation within each habitat was characterized and the habitat was evaluated based on the Oregon Department of Fish and Wildlife's Habitat Classification System.

Wetland Ecologist, Sierra Army Depot, U.S. Army Corps of Engineers, Sacramento, California. Conducted an assessment of jurisdictional waters of the U.S. (including wetlands) on an approximately 110-acre site at the Sacramento Army Depot in southern Sacramento County, California. This assessment includes lands to be transferred to the City of Sacramento as part of the Base Realignment and Closure Act.

Wetland Ecologist, State Route 153 Roadway Improvement Project, Federal Highway Administration, Beaver, Utah, September 2003. Conducted an assessment of jurisdictional waters of the U.S. (including wetlands for approximately 766 acres along Utah State Highway 153. Wetland delineation was conducted along 11.5 miles of roadway.

Botanist, In-Delta Storage Project, California Department of Water Resources, Sacramento and Contra Costa Counties. Assisted DWR botanists with rare, threatened and endangered plant surveys in the Sacramento-San-Joaquin Delta. Habitat types included inter-tidal areas, annual grassland, riparian areas and agricultural lands.

Project Biologist, Sacramento Municipal Utility District's Cosumnes Power Plant, California. Conducted a wetland delineation for the proposed energy facility site, laydown area, and 26-

mile natural gas supply pipeline. Habitat types included annual grassland, seasonal wetlands, vernal pools, and riparian areas.

Project Biologist, Proposed Sewer Alignment, Vallejo Flood and Sanitation District, California. Conducted preconstruction plant surveys for special status plant species along a proposed sewer pipeline alignment. Habitat types included inter-tidal marsh, annual grasslands, wet meadows, riparian areas, and wetlands.

Project Biologist, Pacific Gas & Electric Line 401 Capacity Loops Project, Pacific Gas & Electric, California. Conducted biological resource surveys including rare, threatened and endangered plant species. Habitat types included mixed conifer forest, sagebrush steppe, seasonal wetlands and riparian areas.

Experience Prior to CH2M HILL

Field Steward, The Nature Conservancy; Medford, Oregon; 1999-2000. Field steward for southwestern Oregon. Responsibilities included measuring and monitoring rare plant populations and vegetation communities, habitat assessments, botanical surveys, weed management, and habitat restoration. Habitat types included grasslands, oak savannas, vernal pools, and serpentine forests.

Professional Organizations/Affiliations

Society of Wetland Scientists (President Elect, Western Chapter)

California Botanical Society

California Native Plant Society (Vice President, Sacramento Chapter)

Honors and Awards

Phi Kappa Phi - Honor Society, Southern Oregon University Chapter

Hollenbeck Fellowship in Biology - Southern Oregon University

Jean Davis Memorial Scholarship - Native Plant Society of Oregon

Professional Development

Endangered Species Act Section 10 Scientific Take Permit for Threatened and Endangered Vernal Pool Crustaceans (Permit TE-054230-0)

California Department of Fish and Game Scientific Collectors Permit for Threatened and Endangered Vernal Pool Crustaceans (Permit 5934)

California Department of Fish and Game Scientific Collectors Permit for State-listed Threatened and Endangered Plants (Permit 5073)

Fundamentals of soil Morphology, Corvallis, Oregon 2004

Introduction to Lichen Identification, Davis, California 2004

Applied Hydric Soils, Sacramento, California 2003

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Identification of Plants from Vernal Pools and other Seasonal Wetlands, Chico, California 2003

Introduction to Keying Carex, Chico, California 2003

Army Corps of Engineers Wetland Delineation Training, Sacramento, California 2002

Identification of Fairy Shrimp and Tadpole Shrimp, Sacramento, California 2002

Field Indicators of Hydric Soils, Sacramento, California 2002

Identification of Mosses, Chico, California 2002

Introduction to the Poaceae, Davis California 2001

Publications and Presentations

Huddleston, J.H. and R. T. Huddleston. 2005. *Hydric Soils of Seasonal Pools in Semiarid Parts of Oregon and California*. Platform Presentation at the National Soil Science Society of America. (Meeting, Salt Lake City, Utah, November 6 through 10.)

Young, T. P. and R. T. Huddleston. 2005. *Weed Control and Soil Amendment Effects on Restoration Plantings in an Oregon Grassland*. *Western North American Naturalist* 65(4) 507-515.

Young, T. P. and R. T. Huddleston. 2004. "Spacing and competition between planted grass plugs and pre-existing perennial grasses." *Restoration Ecology*. 12:546-551

Huddleston, R.T. 2001. *Vernal Pool Plant Community Composition and Diversity on the Agate Desert in Southwestern, Oregon*. Platform Presentation at the 22nd Annual Conference of the Society of Wetland Scientists, Chicago, Illinois. May 27 through June 1.

Young, T. P., J.M. Chase, and R.T. Huddleston. 2001. "A comparison and synthesis of community succession and assembly as conceptual bases for restoration ecology." *Ecological Restoration*. 19:1.

Huddleston, R.T. 1997. *Plant Ecology of the Vernal Pools on the Nature Conservancy's Agate Desert Preserve*. Poster Presentation at the First Conference on Siskiyou Ecology. Siskiyou Regional Education Project, Cave Junction, Oregon.