

O. Gray Rand III

Experience Summary

Mr. Rand is a senior fish, wildlife and wetlands biologist with David Evans and Associates, Inc. with 23 years of experience in ecological, wildlife, and habitat studies throughout the Pacific Northwest. Mr. Rand specializes in analysis of proposed project impacts on fish, wildlife, and wetlands, often in support of the NEPA and SEPA process. Mr. Rand has been qualified as a Senior BA Author with WSDOT since 2006 when they began their BA training and testing program. He has prepared more than 50 BAs and ESA assessments to WSDOT standards, as well as numerous Critical Area Reports and NEPA/SEPA Environmental Assessments and Environmental Impact Statements. Mr. Rand is also a Professional Wetland Scientist certified by the Society of Wetland Scientists, and he has conducted thorough and scientifically defensible wetland studies for public and private sector clients through the Puget Sound area, including cities, counties, Native American Indian Tribes, state and federal agencies, and numerous private developers. Mr. Rand also is a lead biologist for fish salvage operations that are often required for in water construction. Mr. Rand has successfully obtained permits for private and public clients from local, state, and federal agencies for a host of different projects.

Education

1992 1994 Washington State University Pullman, WA
Post-Baccalaureate Work, Environmental Science

- 2 years in Masters of Science Program; taught Introductory Biology for three semesters.

1987 1991 Washington and Lee University Lexington, VA
B.S. Biology, Minor English

- Graduated Cum Laude; conducted research on rare plant endemic to Virginia.

Professional Experience

2005 – Present David Evans and Associates, Inc. Bellevue, WA
Senior Scientist/Project Manager

Senior scientist responsible for technical analysis of wildlife, fish and wetland resources on a wide range of transportation, land development and water resources projects. Prepared or contributed to more than 100 wetland delineation reports, critical area studies, biological assessments, and other environmental documents. Managed approximately 100 projects. Lead fish moving biologist for in water construction. Familiar with wide array of permits required by local, state and federal agencies for aquatic

related projects.

2000 2005 Shapiro and Associates, Inc. Seattle, WA
(now Amec Foster Wheeler)

Senior Ecologist/GIS Analyst

Extensive experience with projects involving wetlands, salmon, wildlife, shoreline issues, permitting, and GIS. Prepared more than 40 Biological Assessments, including more than 20 on Lake Washington and Lake Sammamish. Worked for and interacted with many local municipalities, counties, state and federal agencies, tribes, stakeholder groups, and private citizens. Supervised three other technical specialists. Regularly planned, conducted, and supervised field work, including in water work. Conducted more than 50 wetland projects, including reconnaissance, delineation, mitigation and monitoring. These projects ranged in size from several hundred square feet to an 8,000 acre wetland complex in Duck Valley, Idaho

**Professional
Experience
(continued)**

1994 2000 Foster Wheeler Environmental Bothell, WA
(now Tetra Tech)

Wildlife Biologist/GIS Analyst

Primary author on wildlife sections and discipline reports for several controversial Environmental Impact Statements, including Headwaters, I 90 Land Exchange, Lower Snake River Dam Removal, and several projects in Alaska. Also served as GIS Analyst for numerous projects in Alaska, South Carolina, Minnesota, California, Oregon, and Washington. Created survey plans, supervised field crews, and participated in field surveys for multiple species of concern on Forest Service Land in the Cascades and in Oregon.

**Professional
Activities and
Certifications**

- Professional Wetland Scientist (#2039), 2010
- How to Administer Development Permits in Western Washington's Shorelines, Coastal Training Program, 2018
- Wildlife Crossings Field Course, WSDOT, 2008
- Arid West Regional Supplement Training (USACOE), 2007
- Washington Department of Ecology Wetland Rating System Training – Western and Eastern WA, 2005 & 2007
- Certified Senior Author, BA Preparation, WSDOT, 2006
- Forage fish bulk spawn sampling protocol (Certified by WDFW), 2003
- SCUBA (PADI 2000)
- Wetland Delineation (certified by the Corps), 1999
- Habitat Evaluation Procedure (Certified by the National Biological Survey), 1995
- SCUBA (certified by PADI)
- The Wildlife Society, Washington Chapter
- Society of Northwestern Vertebrate Biology

Representative Client List

- City of Issaquah
- City of Sammamish
- FHWA Western Federal Lands
- Snohomish County
- City of Kirkland
- Washington Department of Transportation
- Snohomish County
- Puget Sound Energy
- Chelan County
- Idaho Transportation Department
- Sound Transit
- Grays Harbor County
- City of Tacoma
- McClean Iron Works
- City of Gig Harbor
- City of Lynnwood

Representative Project List

Centennial Trail – Woodinville to Snohomish, Snohomish County, Washington. DEA is assisting Snohomish County Parks with analysis, design, and permitting of a new 12 mile extension of the existing Centennial Trail system in Snohomish County, Washington. Overall, DEA is responsible for all aspects of design on the project, including civil, bridge and structures, geotechnical, and environmental. Mr. Rand is the task lead for all environmental work on the project, which has included extensive wetland and stream delineations along the entire 12 mile corridor. DEA has identified, mapped and classified approximately 60 wetlands, 40 streams, and 40 jurisdictional ditches along the corridor. Mr. Rand oversaw the production of a comprehensive Critical Area Study documenting the results of the field work and analyzing potential project impacts, based on 30% design.

Upper Hoh River Road Bank Stabilization and Bridge Replacement, FHWA Western Federal Lands Highway Division, Jefferson County, Washington. Mr. Rand is the Project Manager and task lead for natural resources and permitting for a bank stabilization project along the Hoh River on the west side of the Olympic Peninsula. The project involved wetland and stream delineation, wildlife habitat surveys, and cultural resources; preparation of technical reports; preparation of a Draft and Final Environmental Assessment for NEPA compliance; preparation of a FONSI; preparation and submittal of numerous local, state and federal permit packages, as well as extensive agency coordination.

Confluence Park Pedestrian Bridge, for City of Issaquah, Issaquah, Washington. Mr. Rand prepared the critical area assessment for the project and submitted the application for the project HPA from WDFW. For this project DEA's approach to streamline permitting was to avoid in water work and "zero rise" with a 150 foot bridge structure spanning the floodway.

Wenberg County Park Boat Launch & Waterfront Renovation, for Bruce Dees & Associates, LLC., Stanwood, Washington. Mr. Rand was the task manager for the critical area assessment and permitting for this project. DEA, as a subconsultant, provided environmental permitting

assistance, prepared the Draft and Final Critical Area Study to Snohomish County standards, developed a conceptual plan for riparian habitat mitigation, and coordinated with local and state permitting agencies.

35th/36th Avenue West Improvements, City of Lynnwood and Snohomish County, Washington. Mr. Rand is the environmental task lead responsible for preparing environmental documentation and obtaining permits for a key one mile long, north south corridor linking the City of Lynnwood and Snohomish County. Mr. Rand is directly involved with agency coordination, obtaining project permits, and negotiating mitigation for this project.

McNaughton Group Rural Cluster Subdivision III Critical Areas Support, Snohomish County, Washington

Mr. Rand was task lead for preparation of a Critical Areas Report for this 100+ lot development in Snohomish County, Washington near Lake Goodwin. Work involved extensive field studies, including wetland delineation and stream mapping, habitat mapping, and stand typing. Mr. Rand responded to multiple rounds of review on the report by both the applicant and the County.

PSE Tolt Gas Pipeline, Phase 1B, Cottage Lake Creek Bridge, King County, Washington. DEA is assisting Puget Sound Energy with critical area assessment, restoration design, hydraulic analysis, and permitting of 1,800 lineal feet of new gas pipeline. The focus of the project is the crossing of Cottage Lake Creek, where the new gas pipeline will be suspended underneath a new pedestrian footbridge across the creek. Mr. Rand was the project manager and lead permitting biologist, responsible for all DEA deliverables, including a Hydraulic Analysis Report, a Critical Areas Report, 30/90/100% restoration plans, specifications and estimates, and various permitting applications.

NE 124th Avenue NE Pedestrian Improvements, City of Kirkland, Washington. Mr. Rand is lead permitting biologist for this project for the City of Kirkland. Mr. Rand oversaw the production of a Critical Areas Report, Conceptual and Final Wetland and Stream Buffer Mitigation Plan, and Programmatic Permit Application. The City requested Mr. Rand to assist them in using this project as a case study as the first transportation project to use the City's new programmatic permit process under their revised Critical Areas Ordinance.

60 Acres South Soccer Park, Lake Washington Youth Soccer Association, Redmond, Washington. Mr. Rand served as project manager for the development of a new soccer park in Redmond, Washington. Mr. Rand supervised staff in the production of the critical areas report, SEPA checklist, and all permitting, including the JARPA, HPA, and shoreline permit. Mr. Rand wrote a Biological Assessment to meet the applicant's responsibilities under Section 7 of the Endangered Species Act. Mr. Rand is also coordinating the implementation of the wetland mitigation plan and the long term monitoring of the mitigation areas.

Point Wells Pile Replacement Permitting and Biological Assessment, Lead Biologist, Snohomish County, Washington, Paramount Petroleum. Mr. Rand was the lead biologist for permitting

and preparation of biological documentation for a pile replacement at Paramount Petroleum's Point Wells facility in Snohomish County, Washington. Work involves preparation of a Biological Evaluation for bald eagles and marbled murrelet, critical habitat assessment for listed fish species, and all associated permitting.

Wild Horse Wind Facility, for Puget Sound Energy, Kittitas County, Washington. Mr. Rand served as task manager for preparation of a Draft and Final Supplemental EIS analyzing impacts of a proposed 22 turbine expansion of one of the largest wind power facilities in Washington. Mr. Rand coordinated all technical authors, participated in weekly coordination meetings with the client, responded to public comments on the DSEIS, and produced the Final SEIS in a total of less than 3 months. Mr. Rand also participated in sage grouse lek surveys on the expansion area.

Chelan County Public Works Environmental On Call Contract, for Chelan County, Washington. Mr. Rand serves as contract manager and project manager for this environmental on call contract for the Chelan County Department of Public Works. Mr. Rand has overseen the completion of sixteen task orders under this contract in the past ten years, which have included conducting fish salvage activities for culvert replacement projects, conducting wetland delineations, visual quality assessments, and ESA consultations.

I 90 Snoqualmie Pass East SEIS, WSDOT, Kittitas County, Washington. Mr. Rand prepared the ESA Reinitiation of Consultation document, a specialized BA, when the construction contractor for I 90 Snoqualmie Pass East highway improvements proposed designing and constructing a series of bridges along Keechelus Lake that would allow avalanches to pass under them instead of an 1100 foot snowshed designed by WSDOT. Bull trout is an ESA listed species that occurs in the lake and portions of its tributaries, and the lake itself is designated as critical bull trout habitat under ESA. DEA worked closely with WSDOT South Central Region environmental staff, and also briefed USFWS staff through presentation to the Interdisciplinary Team of agencies as well as one on one meetings

Presentations/ Publications

Poster Presentation, International Conference on Ecology and Transportation, Annual Meeting, 2015 *When the Project Changes During Construction: Management Environmental Commitments Through Redesign.*

Powerpoint Presentation, Society of Inland Northwest Environmental Scientists, March 2012 – *Environmental Mitigation for Three Washington Wind Facility Projects.*

Invited Speaker, American Wind Energy Association, Wind Power Project Siting Workshop, Seattle, WA, February 2009 – *Sage Grouse and the Wild Horse Wind Power Facility.*

Powerpoint Presentation, DEA Everett Office Staff, 2007 – *SWANCC and Rapanos – What They Mean for Our Clients*

Presentation to Private Real Estate Investors, August 2007 – *Wetlands and Real Estate – What you Need to Know.*

Poster Presentation, The Wildlife Society, Washington Chapter, Annual Meeting, 2006 – *Preliminary Observations of Wildlife Diversity and Abundance in Remnant Shrub Steppe and Bunchgrass Habitat in South Central Walla Walla County, Washington.*

Poster Presentation, The Wildlife Society, Washington Chapter, Annual Meeting, 2003 – *Wildlife Monitoring at the Urban Interface.*

Poster Presentation, The Wildlife Society, Washington Chapter, Annual Meeting, 2000 – *Sampling for Survey and Manage Species in the Cascade Mountains of Washington.*

Knox, J.S., M. J. Gutowski, D.C. Marshall, and O. Gray Rand. 1995. *Tests of the Genetic Bases of Character Differences Between *Helenium virginicum* and *H. autumnale* (Asteraceae) Using Common Garden and Transplant Studies*, Systematic Botany 20(2):120 131.