

Dyanne Sheldon

Ms. Sheldon is a wetland ecologist and state certified science teacher, with over 20 years of field experience in both fresh and tidal wetlands of the Pacific Northwest. She was King County's first Wetland Planner and she has run her own consulting firm for over 11 years. Her professional experiences include conducting wetland delineations, inventories, and impact assessments; designing habitat restoration; providing construction oversight for wetland compensation projects; regulatory coordination and permit applications; expert witness testimony; crafting wetland and other sensitive area code language for local jurisdictions per the requirements of the Growth Management Act; review and critique of submitted wetland analysis studies; conducting public workshops and participating in public meetings and hearings regarding the consequences of proposed actions on wetland resources; providing "on-call" technical assistance for local jurisdictions including verifying wetland impact assessments and analysis and conditioning of wetland compensation designs. She is certified to teach 8-12 grade science and has taught courses for middle and high-school students, and adult courses at the University of Washington on environmental law and policy, and wetland biology. She has also worked with school districts designing site plans to incorporate outdoor education opportunities.

Areas of Expertise

Wetlands Ecology: delineation, functional assessment, impact analysis, inventory, relationship to management

Education: examples of adult courses:

Environmental Law and Policy, for Wetland Science and Manag. Cert., UW Extension.

Wetland Ecology, for the Wetland Science and Management Certificate, UW Extension.

Wetland Ecology, for University of Washington, Bothell.

Sustainable Communities and Environment, Masters of Environment. Antioch University.

Wetland Mitigation Design: for Professional Engineering Program, UW

Wetland Ecology and Management: guest lecturer: Wetland Restoration Network, UW

Environmental Planning: development of policy and regulations relating to aquatic lands including streams and wetlands, assessment of effectiveness of code language

Environmental Restoration: preparation of wetland compensation designs, establishment of monitoring parameters, construction oversight, monitoring post construction

Environmental Law and Policy: assist in permit application and coordinating between various regulatory jurisdictions; craft wetland code language, interpret regulatory standards,

Wildlife: assessment of impacts, assessment of habitat suitability, conduct surveys, preparation of Biological Assessments per the requirements of the Endangered Species Act.

Work Experience

Principal 1990-Present Sheldon & Associates, Inc., Seattle, WA

Manage seven professional staff that provide technical ecological expertise to public and private clients. Staff include wetland ecologists, water quality expert, landscape restoration designer, wildlife biologist, and fisheries biologist. In addition to managing a business and providing oversight to other technical staff, Ms. Sheldon continues to conduct a significant amount of technical wetland scientific and analysis work for public and private clients.

Wetland Ecologist 1988-1989 Jones & Stokes Associates, Seattle, WA

Created the first 'Wetland Section' for the Bellevue office of Jones & Stokes, hiring wetland ecologist staff and landscape architects to provide wetland analysis and restoration expertise.

Conducted two years of sequential studies for the U.S. EPA, Seattle Office, on the restoration potential of diked lands in Washington and Oregon. Also conducted a then precedent setting analysis of the effectiveness of wetland regulations by local jurisdictions, also for EPA.

Coordinated the field confirmation by 7 field staff of wetland delineations conducted on 2,000 acres of land proposed for development in eastern King County.

Wetland Planner 1984-1988 King County, Building and Land Development, Seattle, WA
As the first wetland planner for King County, Washington, Ms. Sheldon created the wetland regulatory program for the County, the first of its kind for a local jurisdiction in the United States. She reviewed all development permits submitted to the County that related to streams, wetlands, shorelines or habitat issues. She crafted the first draft of the County's Critical Areas Ordinance, and participated for years in the public process of revising and redrafting the code language to reflect staff and public input.

Director Naturalist 1975-1979 Westwood Hills Environmental Education Center
St. Louis Park, MN
Created a 150 acre environmental education Center for a first-ring suburb of Minneapolis. Conducted the site analysis, trail design, trail construction (hands-on supervising 100 juvenile youth for several summers), and input on interpretive structure design. Conducted all interpretive programming for K-12, as well as pre-schoolers and senior citizens, year-round (including snow-shoe tours in the winter). Developed an integrated curriculum for K-6 teachers in the local school district, and conducted in-school classes and on-site classes for students in cross-discipline programs.

Education

Master's Education: Arizona State University, Phoenix. Masters in Curriculum and Instruction, 2000
Bachelor Science: University of Minnesota, St. Paul, Minnesota : Botany, 1975

Special Training

Corps of Engineers Course, Federal Wetland Delineation Methodology (1987)
Special training offered only to Federal employees and Ms. Sheldon, based on King County position.
Corps of Engineers Course, Wetland Evaluation Technique Assessment Methodology (1989)
Special training offered only to Federal employees and Ms. Sheldon, based on King County position.
Federal Wetland Delineation Methodology (1989)
Society of Professional Soil Scientists Hydric Soils Workshop (1993)

Memberships

Society of Wetland Scientists
Ms. Sheldon is a charter member of the Pacific Northwest Chapter of the Society of Wetland Scientists. She served two terms as President of the Pacific Northwest Chapter (1991-1993) at the very beginning of this chapters existence, hosting the National Society of Wetland Scientists meeting in Seattle in 1993, the most successful National Meeting ever held.
Society of Ecological Restoration
National Association of Science Educators
National Association for Environmental Education

Relevant Projects

King County Department of Development and Environmental Services: Redmond Ridge and Trilogy UPD On-Call Technical Services. 1990-present. Ms. Sheldon has provided on-call services for two 1,000 acre Planned Unit Developments in King County's Novelty Hill area for over 10 years. She has conducted field verification of resource lands, conditioned permits, provided expert testimony at public hearings, worked closely with design and review engineers on multiple complex stormwater management and resource protection issues. She has reviewed and conditioned hundreds of individual site development applications for the projects, including wetland mitigation designs. Contact: Ms. Lisa Lee: 206-205-1441.

Washington State Department of Ecology: Best Available Science Research Program. 2001-present. Ms. Sheldon was selected by the staff of Ecology and Washington Department of Fish and Wildlife to conduct the technical review of scientific literature related to current scientific findings on wetland functions and development impacts for the entire state. The purpose of the research project is to create recommended revisions to local jurisdictions critical areas ordinances, as required by the Growth Management Act, to reflect the current state of scientific knowledge in local codes. Contact: Mr. Andy McMillian, 306-407-7272.

Publications

(Partial list, as author, contributor, or major reviewer, as noted)

- Cumulative Effects of Development on Wetlands: Harbour Pointe Case Study, Snohomish County, Washington. July, 1990. **Dyanne Sheldon** for the U.S. Environmental Protection Agency, Region 10.
- Deepwater Slough Restoration Feasibility Analysis. July, 1996. **D. Sheldon** (Primary Author), D. Swanson, K. Ewing, T. Deming. Skagit System Cooperative, Skagit County, Washington.
- Diked Wetlands Restoration Potential in Washington and Oregon. Phase I: Literature Review. October, 1988. **Dyanne Sheldon** for the U.S. Environmental Protection Agency, Region 10.
- Guidance On Developing Local Wetlands Projects: A Case Study of Three Counties and Guidelines for Others. November, 1991. C. Deming Cowles, **Dyanne Sheldon**, Suzanne Dietz. Office of Wetlands Protection United States Environmental Protection Agency.
- Methods for Assessing Wetland Functions. Volume 1: Riverine and Depressional Wetlands in the Lowlands of Western Washington. 1998. T. Hrubry, T. Granger, K. Brunner, S. Cooke, K. Dublanica, R. Gersib, L. Reinelt, L. Richter, **D. Sheldon**, A. Wald, F. Weinmann. Washington State Department of Ecology Publication #98-106.
- Restoration Potential of Diked Estuarine Wetlands in Washington and Oregon. Phase II: Identification of Candidate Sites in Puget Sound. July, 1990. **Dyanne Sheldon** for the U.S. Environmental Protection Agency, Region 10.
- Restoring Wetlands in Washington: A Guidebook for Wetland Restoration, Planning and Implementation. 1993. M. Stevens and R. Van Bianchi, Principal Authors. W. Eliot, D. Gordon, and **D. Sheldon**, Editors. Washington State Department of Ecology Publication #93-17
- Sand Point Magnuson Park Vegetation Management Plan. 2001. M. Fischer and **D. Sheldon**. Seattle Department of Parks and Recreation.
- Sea-Tac Airport Wetland Inventory. 1991. **D. Sheldon** and K. Kunz. Environmental Management Section, Port of Seattle.
- Sea-Tac Airport Wetland Management Plan. 1991. R. Butler and **D. Sheldon**. Environmental Management Section, Port of Seattle.
- Washington State Wetlands Rating System: Western Washington. 1991 and 1993. S. Tosach, A. McMillan, S. Maurman (Authors). **D. Sheldon**, Major Reviewer. Washington State Department of Ecology Publication #93-74
- Washington State Wetlands Rating System: Eastern Washington. 1991. S. Tosach, A. McMillan, S. Maurman (Authors). **D. Sheldon**, Major Reviewer. Washington State Department of Ecology Publication #91-58
- Wetland Mitigation Replacement Ratios: Defining Equivalency. 1992. A.J. Castelle, C. Conolly, M. Emers, E. Metz, S. Meyer, M. Witter, S. Maurman, M. Bentley, **D. Sheldon**, and D. Dole. Washington State Department of Ecology Publication #92-8.

Wetland Buffer: Use and Effectiveness. 1992. A.J. Castelle, C. Conolly, M. Emers, E. Metz, S. Meyer, M. Witter, S. Maurman, M. Bentley, S. Cooke, **D. Sheldon**, and D. Dole. Washington State Department of Ecology Publication #92-10

Wetland Plants of King County and Puget Sound Lowlands. 1981. V. Crawford, **D. Sheldon**, P. Arcese, M. Schwartz. King County Resource Planning.

Wetland Plants of Western Washington & Northwestern Oregon. 1997: S.S. Cooke, Editor.
Contributors: N. Pascoe, T. Duebendorfer, S. Clay-Poole, F. Weinmann, R. Pratt; J. and P. Titus, S. Moore, R. Vanbianchi, M. Fries, S. Sundberg, **D. Sheldon**, R. Robohm, B. Colebrook, C. Aniteau, C. Conolly, M. Chaney, K. Brunner, L. Potash, J. Hartley.