

Christie Galen

Senior Ecologist



Registrations/Certifications

Aquatic & Terrestrial Mollusk Identification, Habitat & Protocol Requirements, USFS

Years of experience in field: 36

Education

B.S. Biology Portland State University 1978

Professional Experience

Christie is a Senior Ecologist at Pacific Habitat Services. She conducts natural resource inventories and impact assessments, habitat assessments, sensitive species surveys, prepares Endangered Species Act Biological Assessments, wetland delineations and mitigation monitoring, and developing mitigation, restoration, and natural resource management plans. She provides training and QA/QC oversight. She has an extensive background in Pacific Northwest botany, wildlife, ecology, habitat restoration, resource management, and environmental permitting. She has provided natural resource services for a variety of public and private projects ranging from small residential developments to large industrial complexes, ports, public utilities, and transportation corridors to support local, state and federal permitting requirements for the Clean Water Act, Endangered Species Act, and National Environmental Policy Act.

She has conducted and managed numerous natural resource inventories (e.g., wetlands, stream corridors, uplands, sensitive species) for cities and counties throughout Oregon to meet the requirements of Oregon's land use planning Goal 5 and to help communities identify and protect important natural resources. She works with clients to incorporate measures into their project designs to avoid and/or minimize impacts to sensitive species, sensitive habitat, wildlife habitat, wetlands, and streams. She recommends best management practices to preserve and protect natural resources, maintain resource connectivity and wildlife corridors, reduce habitat fragmentation, improve microhabitat features and prevent the spread of invasive species. She has designed and monitored restoration projects since 1989 and has found that adaptive management is the key to a successful project. She has written numerous natural resource management plans for Parks and open spaces throughout Oregon.

Representative Projects

- Botanical and wildlife identification training for Port of Portland staff
- Hidden Canyon Sensitive Species Survey, HEP, & Winter Deer Habitat Assessment, Crook County
- Lewis and Clark College Master Plan, Portland
- Oregon Health Sciences University Expansion Natural Resource Consulting, Portland
- Environmental baseline acquisition surveys in the upper Rock Creek Drainage, Metro
- Avian grassland species surveys on various Port of Portland properties
- Mt. Talbert Nature Park Natural Resource Consulting, Clackamas County

Angie Kimpo

Environmental Regulatory Program Coordinator
Bull Run Environmental Compliance
Resource Protection & Planning



Summary

- Over twenty-five years' experience with designing and implementing mitigation and ecological restoration projects in the Pacific Northwest to meet regulatory requirements and stewardship goals.
- Twenty-six years' experience in management of Pacific Northwest ecosystems and the management of natural resources on public lands and open spaces throughout the Metro region.
- Significant experience in developing and managing environmental programs.
- Significant experience in managing environmental permit requirements.
- Significant experience in overseeing staff and contractors and directing work.

Restoration Project List

Portland Water Bureau

- Powell Butte Reservoir 1, ***Savannah Sparrow Enhancement Project Manager***. A 10-acre native grassland restoration was implemented over the top of Reservoir 1 after roof resealing was completed. The focus of the restoration was to establish native bunch perennials which facilitate the nesting of savannah sparrow on the site.
- Powell Butte Reservoir 2, ***Mitigation and Environmental Restoration Project Manager***. A 28-acre oak savannah, grassland and shrub restoration project which included the installation of 1,400 trees and 27,000 shrubs and 370 pounds of native grass and forb seed mix.
- Kelly Butte Reservoir, ***Mitigation and Environmental Restoration Project Manager***. A 25-acre oak savannah and forest restoration project on Kelly Butte which included the installation of 1700 native trees, 7300 shrubs and over 175 pounds of native grass and wildflower seed.
- Dam 2 Towers Project, ***Forest Restoration and Mitigation Project Manager***. A 1.3 acre forest restoration project in the Bull Run Watershed which included the installation of 500 trees, 11,500 native shrubs and 11 pounds of native grass seed.

Metro Regional Government

- Canemah Bluff, ***Oak Restoration Project Manager***. A 20-acre oak release project which focused on the protection and enhancement of Oregon white oak and upland prairie habitat.
- Lovejoy Floodplain Reconnection Project, ***Oak and Wet Prairie Restoration Project Manager***. A 245-acre floodplain restoration project involving the hydrologic reconnection and restoration of oak and prairie habitat in the floodplain. The project included the installation of 95,000 woody plants and nearly 4000 pounds of native grass and wildflower seed.

- Mt. Talbert Restoration Project, ***Oak Restoration Project Manager***. A 24-acre oak release project which focused on the enhancement of Oregon White oak and wet prairie habitat.
- Clackamas River Parsons Side-Channel Reconnection Project, ***Revegetation Project Manager***. A 1.6-acre side channel reconnection and revegetation project near Barton Park.

Relevant Experience

Environmental Regulatory Program Coordinator/Bull Run Vegetation Stewardship Program Manager, Portland Water Bureau, Portland, Oregon. 2009-present

- Manage Vegetation Stewardship Program (VSP), within the Resource Protection and Planning Group, to ensure regulatory compliance and effective stewardship of natural areas managed by the Water Bureau.
- Develop Invasive Species Program for the Bull Run Watershed Management Unit (BRWMU)
- Develop Conservation Easement Program for the Bull Run Watershed Habitat Conservation Plan
- Develop and implement management and mitigation strategies, including invasive species control, forestry and rare plant conservation for Water Bureau properties and interests in the City of Portland and the Sandy Basin.
- Serve as Water Bureau representative to the tri-county Cooperative Weed Management Area, including role as a member of the Technical Sub-Committee responsible for regional inventory and tracking of invasive plant species.
- Serve as Water Bureau liaison to other City of Portland Bureaus, Oregon Department of Agriculture, US Forest Service and BLM on botanical issues within the Bull Run Watershed Management Unit.
- Achieve management goals on Portland Water Bureau properties through collaboration with local, state and federal agencies, non-profits, non-governmental agencies and public interests.
- Compile data and prepare regulatory reports and present reports of restoration results in a variety of forms including written reports and presentations to peers and the public.
-

Senior Natural Resources Scientist, Metro Regional Parks and Greenspaces, Portland, Oregon. 2005-2009

- Develop and implement management strategies, including restoration design and invasive species control, for over 3500 acres of open space properties on the east side of the Metro region.
- Serve as Metro representative to the tri-county Cooperative Weed Management Area, including role as a member of the Technical Sub-Committee responsible for regional inventory and tracking of invasive plant species.
- Serve as Metro liaison to Oregon Department of Agriculture to provide input on listing of Noxious weeds, release of bio-controls on Metro Open Space property and tracking of invasive species in the region.
- Administer and oversee consultant contractors conducting aquatic and terrestrial biological assessments for 2006 Metro Bond refinement process.

- Develop and oversee vegetation management contracts for Metro Open Space properties including development of technical specifications, contract administration, contractor oversight, performance inspections and contractor outreach.
- Work cooperatively with local, state and federal agencies, non-profits, non-governmental agencies and public interests to achieve management goals on Metro Open Space properties.
- Work with consultants to develop and enhance an Access database used to track management and monitoring activities on Metro Open Space properties.
- Prepare and present reports of restoration results in a variety of forms including written reports and presentations to peers and the public.
- Serve as technical advisor to the development of Metro's Native Plant Materials Center. Provide feedback on site layout, design, species selection, plant propagation and rare plant
- Develop and secure funding for Sandy River Wild and Scenic Enhancement Project, which provided early intervention treatment to ivy, holly and clematis on over 4000 acres between Dodge Park and Oxbow Park.

Botanic Specialist II, *City of Portland, Bureau of Environmental Services, Portland, Oregon.*
1999-2005

- Work with Watershed Revegetation Program (WRP) to manage and oversee invasive species treatments on riparian restoration and mitigation projects throughout the City.
- Serve as program representative in development of Sensitive Habitat Area (SHA) criteria for refinement of Goal 5 process for the City.
- Coordinate vegetation monitoring efforts for the WRP on restoration sites. Develop and implement monitoring protocols for restoration effectiveness, plant survival and invasive species treatment effectiveness.
- Serve as agency representative to the Oregon Department of Agriculture. Work with City of Portland Parks, ODA and Oregon Association of Nurserymen to list English ivy as a noxious weed in the State of Oregon.
- Procure native woody plants and seed for large-scale restoration projects through grow-out contracts and grower-direct purchase.

Board Member, *Society for Ecological Restoration NW (SERNW), 2001-2005, Program Chair;*
SERNW Meeting Coordinator, 2003- 2005.

Coordinate and oversee program development for five-day meeting with 500-600 attendees, six concurrent sessions and approximately 300 speakers.

Wetland Plant Cooperative Coordinator, *King Conservation District, Renton, Washington.*
1997-1999

- Oversee daily operations of native wetland plant nursery.
- Conduct outreach to local agencies, non-profits and non-governmental organizations to trade volunteer labor for plant materials.

- Coordinate native seed collection and salvage operation for production of local eco-types of native plant materials.
- Develop grant funding for project-based grants to support nursery operations.

Project Assistant, Green River WATERS Project, *King Conservation District, Renton, Washington*. 1995-1997

- Enlist private landowners in rural areas to participate in riparian restoration projects with the Conservation Reserve Enhancement Program (CREP).
- Work with landowners to design and implement restoration projects intended to limit dairy cow access to fish-bearing streams.
- Manage small native plant nursery intended to supply plant materials for CREP projects.

Publications

Christy, J.A., A. Kimpo, V. Marttala, P.K. Gaddis & N.L. Christy. 2009. Urbanizing Flora of Portland, Oregon, 1806-2008. Native Plant Society of Oregon Occasional Paper. 3: 1-319.

Hunter Adams, Bina Nayak, Hein Van Leiverloo, Paul Rochelle, Angie Kimpo, Steve Ash and Mark Southard. *Operators Need to Know Nuisance Macroorganizations in Water*. Opflow, To be published November 2023.

Kimpo, A. The Wetland Handbook: Propagating Northwest Native Wetland Plants. 1998. King Conservation District. pp. 1-42