



## EDUCATION

M.S., Forest Ecology, Oregon State University, 1992  
M.S., Environmental Policy, University of Oregon, 1988  
B.S., Biology, Oregon State University, 1983

## PROFESSIONAL TRAINING & MEMBERSHIPS

American Fisheries Society  
Washington Watershed Analysis Certification  
Negotiating Effective Environmental Agreements, Concur,  
Berkeley CA, 2000  
River Restoration NW, current member. Board Member 2014 -  
2018

## EXPERIENCE

Principal, Cascade Environmental Group, LLC, Portland,  
Oregon, May 2011 – Present  
Principal, Water Resources Team Manager, Jones & Stokes,  
Portland, Oregon, October 2007 – April 2011  
Watershed Program Manager, Adolfsen Associates, Portland,  
Oregon, October 2005 – October 2007  
Executive Director, McKenzie Watershed Council, Eugene,  
Oregon, May 1999 – June 2001  
Owner and Principal Scientist, BioSystems Consulting /  
Member Watershed Professionals Network, Corvallis, Oregon,  
June 1995 – September 2005  
Monitoring Program Coordinator, Oregon Department of  
Forestry, Salem, Oregon, August 1992 – May 1995

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## QUALIFICATIONS

John Runyon is a Principal with Cascade Environmental Group, LLC. John is responsible for overseeing watershed assessment, planning, and habitat restoration projects. He has more than 30 years of experience in natural resource assessment, management, inventory, monitoring, and policy. John specializes in the design and implementation of watershed and habitat assessments, monitoring studies, and aquatic habitat restoration and mitigation project planning and design. John's areas of expertise include managing and facilitating natural resource planning projects; writing and editing technical reports, publications, and grant proposals; watershed analysis and assessment; stream and riparian habitat inventories; water quality and aquatic resource monitoring; fish abundance surveys; fish passage barrier assessments; fish population limiting factors analysis; applying the Ecosystem Diagnosis and Treatment (EDT) model to evaluate fish population and habitat relationships; river and floodplain habitat restoration and mitigation project planning, design, and implementation. A recognized expert in watershed analysis and restoration planning, John has completed more than 40 watershed assessments, riparian and aquatic habitat reach evaluations, and restoration action plans throughout the western United States.

## SELECTED PROJECTS

### **Molalla River Watershed Drinking Water Assessment and Source Area Protection Plan – Clackamas Soil and Water Conservation District**

Project Manager and Technical Lead. Three community water providers – Canby Utility, City of Molalla, and Colton Water District – supply drinking water to more than 28,000 residents in the Molalla River Watershed. John collaborated with the Clackamas Soil and Water District to develop a Drinking Water Source Area Protection Plan for the three community source water areas. The Plan, developed with input from the community water systems, land managers, environmental groups, and watershed residents, characterized the Molalla River Watershed's landscape setting, geology, climate, hydrology, land uses, and water quality status and trends over time. The final Plan, which addresses the key risks to drinking water quality, is a road map of actions designed to protect, improve, and monitor Molalla River Watershed drinking water quality over time.

### **Strategic Restoration Action Plan for the Youngs Bay and Big Creek Chum Salmon Populations – North Coast Watershed Association**

Project Manager and Technical Lead. The Lower Columbia River Chum Partnership (Partnership) is a collaboration of the Astoria-based North Coast Watershed Association, residents, farmers, timber companies, nonprofits, and state and federal agencies cooperating to restore the watersheds supporting Oregon's Big Creek and Youngs Bay chum populations. John worked with the partnership to develop and implement a Strategic Restoration Action Plan. The Action Plan, a 10-year road map that describes the Partnership's activities 2021 – 2031, describes actions to address degraded stream and riparian habitats and the land management activities that have disrupted watershed processes that create and shape the habitats that chum and other salmon populations require. The Partnership's strategy integrates (1) short-term, "structural" restoration actions (e.g., placing large wood in stream channels) designed to provide rapid improvements in chum spawning and rearing habitats, with (2) long-term, process-based restoration, which can take decades to affect aquatic habitats.



**Salmon SuperHwy Strategic Plan – Trout Unlimited**

Project Manager. The Salmon SuperHwy has reconnected 94 miles of key salmon and steelhead habitat within the six major Northern Oregon coast river systems. With a collaborative approach to reconnecting habitat, Salmon SuperHwy is an ambitious and unprecedented effort to restore access to important historical salmon habitat. With 86 stream miles left to reconnect, Salmon SuperHwy contracted with Cascade to develop a Strategic Action Plan to guide the partnership in meeting its ambitious goal. The Strategic Plan builds on the partnership's past accomplishments, organizational strengths, and lessons learned to define critical steps and funding strategies.

**Willamette Watershed Mitigation Market Analysis – City of Portland, Bureau of Environmental Services, Portland, Oregon**

Project Manager. Cascade evaluated 1) anticipated demand for mitigation based on current and likely future Willamette River Watershed regulatory requirements and modeled future development capacity, and 2) the potential for developing several properties as mitigation banks to provide mitigation options for meeting City of Portland Environmental Codes, and state and federal regulatory requirements. Future mitigation demand and supply were evaluated through 2035 because this is the planning horizon for the City's current Buildable Lands Inventory, an assessment of the City's future development capacity. The final report will assist in the refinement of the City's mitigation strategy and in the development of mitigation banks.

**Clackamas Partnership ESA-Listed Fish Restoration Strategy – Clackamas River Basin Council, Gladstone, Oregon**

Project Manager and Technical Lead. John facilitated a strategic restoration action planning process for the Clackamas Partnership. The Partnership is 15 Portland metropolitan-area organizations, including government agencies and watershed councils. The strategic plan, which builds on the foundation of the Lower Columbia River Conservation and ESA Recovery Plan for the Oregon Populations of Salmon and Steelhead, centers on restoration priorities for the Clackamas River Basin, Johnson Creek, and other lower Willamette River tributaries. Building on the strategic plan, John developed a Focused Investment Partnership (FIP) restoration implementation grant proposal for the Oregon Watershed Assessment Board. OWEB selected the Partnership to receive a FIP implementation grant. The \$8,744,080 grant will support fish habitat restoration, monitoring, and outreach in the Clackamas River Basin and the other Partnership watersheds over a 6-year investment period, 2019 – 2025.

**Clackamette Cove Restoration and Mitigation Feasibility Study – City of Oregon City, Oregon**

Project Manager and Technical Lead. John assessed current environmental conditions for an abandoned gravel pit lake that is connected to the Clackamas River. The final report included restoration/mitigation project concepts with the goal of improving water quality and terrestrial and aquatic habitat.

**Rinearson Natural Area NRDA Mitigation Project – Private Client, Gladstone, Oregon**

Project Manager. Cascade assessed baseline conditions and developed a restoration and post-construction monitoring plan for a floodplain site adjacent to the Willamette River. The project, which involved terrestrial and aquatic habitat restoration, was developed to provide mitigation credits for the Portland Harbor Superfund Natural Resources Damages Assessment (NRDA) process.

**Wallooskee-Youngs Estuary Restoration Project – Cowlitz Indian Tribe, Vancouver, Washington**

Project Manager. Cascade assessed current conditions and developed the restoration engineering design for a large levee-breaching project in the lower Columbia River that restored off-channel estuarine habitat. The project involved extensive permitting and regulatory compliance, including developing a NEPA Environmental Assessment and ESA consultation.

**Johnson Creek Restoration and Climate Change Analysis – City of Portland, Oregon**

Co-Author. John completed a report for the City of Portland that evaluated current and planned stream restoration projects for Johnson Creek, a tributary to the Lower Willamette River. The study evaluated the stream's limiting factors with the Ecosystem Diagnosis and Treatment (EDT) model and analyzed the impact of restoration projects on ESA-listed coho and Chinook salmon and steelhead trout. The report included a detailed evaluation of the potential impact of climate change on fish populations and recommended restoration strategies to minimize future climate change impacts.

**Fish Population and Aquatic Habitat/ Limiting Factor Summaries for the Willamette Sub-Basin Plan – Willamette Restoration Initiative, Salem, Oregon**

Fisheries and Aquatic Habitat Technical Lead. John was responsible for completing fish population and limiting factors assessments for the Willamette Sub-Basin Plan in support of the Northwest Power and Conservation Council's Columbia River Basin planning process. This work included developing habitat, fish population, and watershed condition summaries for all the major watersheds within the Willamette Sub-Basin.