



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, Board Member 2014 - Present

EXPERIENCE

Principal, Cascade Environmental Group, LLC, Portland,
Oregon, May 2011 – Present
Principal, Water Resources Manager, Jones & Stokes,
Portland, Oregon, October 2007 – April 2011
Watershed Program Manager, Adolfson 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

QUALIFICATIONS

Mr. 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 25 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 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; and NEPA and ESA compliance. A recognized expert in watershed analysis and restoration planning, John has completed more than 30 watershed assessments, riparian and aquatic habitat reach evaluations, and restoration action plans throughout the western United States.

SELECTED PROJECTS

Luther Road Geomorphic Assessment – City of Portland, Bureau of Environmental Services, Portland, Oregon

Project Manager. Cascade, in collaboration with Waterways Consulting, is evaluating geomorphic conditions and trends on a portion of Johnson Creek downstream of Luther Road. The project included summarizing restoration area erosion and other modifications resulting from a flood event; a review of several preliminary design alternatives to protect the Luther Road Sewer Interceptor from further erosion and damage; and an identification of other issues (e.g., bank erosion) and recommended solutions. John managed the task order, including assuring the quality of deliverables and budget tracking and reporting.

Elk Creek Watershed Stream Habitat and Fish Population Monitoring Protocol Development and Testing – Elk Creek Watershed Council, Drain, Oregon

Project Manager and Technical Lead. John developed and implemented an assessment and monitoring protocol for assessing habitat quality and fish population status for streams in the Elk Creek Watershed, a tributary to the Umpqua River.

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

Project Manager. 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 habitat.

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

Project Manager and Technical Lead. John is facilitating a strategic restoration action planning process for the Clackamas Partnership. The Partnership is comprised of 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.



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 was developed to provide mitigation credits for the Portland Harbor Superfund Natural Resources Damages Assessment 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. The project involved extensive permitting and regulatory compliance, including developing a NEPA Environmental Assessment and ESA consultation.

Migration Behavior of Adult Pacific Lamprey in the Willamette River Basin, 2008–2012 – Confederated Tribes of Grand Ronde, Grand Ronde, Oregon

Project Manager and Technical Lead. John was responsible an analysis of four years of radio-telemetry data tracking Pacific lamprey movement within the Willamette River basin. The report included a comprehensive review of scientific literature related to Pacific lamprey population status and limiting factors in the Willamette River Basin. The final report included recommendations on additional research necessary to address key data gaps. The final product augments current knowledge of Pacific lamprey biology and will inform management and conservation of the species.

Clackamas Basin Watershed Synthesis and Action Plan – Clackamas River Basin Council, Clackamas, Oregon

Technical Lead. John assisted in the development of watershed assessments and restoration action plans for the Clackamas River Basin Council. The watershed assessments, which focused on the Clear, Foster, and Deep Creek Sub-Watersheds, described watershed processes, outlined stream habitat and fish population limiting factors, and recommended restoration actions. After the completion of the subbasin assessments, John developed a basin-wide synthesis of aquatic/riparian habitat characteristics, summarized factors limiting fish populations, and outlined restoration actions.

Greater Oregon City Watershed Assessment and Restoration Action Plan – Greater Oregon City Watershed Council, Oregon

Project Manager and Lead Author. John led a multidisciplinary team that completed a watershed assessment and Restoration Project Action Plan for the Greater Oregon City Watershed Council. The assessment focused on the Abernethy and Beaver Creek Watersheds, which encompass 40 square miles in Clackamas County and include the Oregon City urban growth area. The factors limiting habitat quality and fish populations were evaluated for each of the sub-watersheds, which were further divided into discrete stream reaches. The assessment was followed by a prioritized watershed restoration action plan that identified actions to restore fish populations and improve water quality.

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 of the major watersheds within the Willamette Sub-Basin. As part of the planning process, John led a team that developed an Ecosystem Diagnosis and Treatment (EDT) database for the McKenzie River Watershed. John used the EDT model results to evaluate factors impacting the ESA-listed upper Willamette River spring Chinook salmon population. The EDT analysis, and input from fish management agency personnel, was used to develop management actions to address aquatic limiting factors.