

**JOHN K. JOHNSON, PE**  
K35 Resources/Fisheries Engineer

## **EDUCATION**

B.S., Civil Engineering, Walla Walla College

## **PROFESSIONAL REGISTRATION**

Professional Engineer, Oregon #10559PE/351CWRE and Washington #18641

## **BACKGROUND**

John Johnson has more than 33 years of experience in fisheries engineering, specializing in fish passage, fishways, hatcheries, water diversions, and alternative energy projects for government and private clients.

### **Design and Administrative Expertise**

John began his career as a consultant on hatcheries and water and sewer systems, worked as a sewer district manager, then in 1988 joined the Oregon Department of Fish & Wildlife as a Fisheries Engineer. He designed and managed the construction of small fish screen and ladder projects throughout Oregon, led stream restoration projects, and managed expansions and repairs of state hatcheries.

In the late 1990's, John joined the National Marine Fisheries Service (NMFS) in Santa Rosa, CA, and subsequently, its Hydropower Division in Portland, where he reviewed large and small irrigation and hydro projects. His NMFS role took him to Washington, DC for six months where he served as an International Affairs Coordinator. He also served as the Grants Administrator for the \$3.5 million (annually) Mitchell Act Fish Screening Program that funds fisheries projects in Idaho, Oregon, and Washington. Most recently, John worked for the US Fish & Wildlife Service in Portland as the only FWS engineer dedicated to FERC and federal hydro projects on the West Coast.

### **Knowledge of Regulatory Agencies and Process**

Aside from his depth of expertise in fisheries projects of all kinds, John's particular strength is his extensive experience working with and within state and federal regulatory agencies. He is familiar with the processes, and, in many cases, the people within the regulatory agencies that might be involved in projects. That unique background can facilitate acceptance and success on agency projects.

### **Problem Solving Experience**

In all his work, John has earned a reputation as a problem-solver by creating economic, timely solutions for clients that meet or surpass their needs. For instance, John designed and constructed a temporary floating sewer on an exceedingly tight schedule when a major landslide destroyed the original sewer. On the 600 cfs Hallwood-Cordura diversion, he worked with the owner to develop a solution that cost 1/10<sup>th</sup> of typical approaches.

### **Industry Recognition**

John's current appointment as President-Elect of the Bioengineering Section of the American Fisheries Society reflects the high esteem with which he is viewed in his industry.

## **AGENCY EXPERIENCE**

### **Hydropower Projects:**

John has overseen several hydropower projects in Oregon and Washington, including:

- ◆ **Hells Canyon Relicensing.** NMFS Fisheries Engineer for this FERC project. John assessed passage options and designs for a fish trap at the base of Hells Canyon Dam, as well as hatchery improvements that served as mitigation for this series of dams on the Snake River.
- ◆ **Willamette Corps Dams.** John assessed fish passage options on behalf of NMFS for 13 Corps of Engineers dams on the Willamette River. For each, he evaluated the feasibility of fish passage options and recommended solutions. Many of his recommendations were ultimately incorporated into the Biological Opinion for these projects, which sets a blueprint for making hydropower system improvements that will occur through 2021.
- ◆ **Lebanon Dam, Lebanon.** As the NMFS Fisheries Engineer assigned to this FERC project, he interacted with the owner's engineers to develop and implement mutually agreeable solutions.
- ◆ **Klamath Dam Relicensing.** NMFS Fisheries Engineer during the initial stages of relicensing for this FERC project (from 1999 through 2002). John was responsible for assessing preliminary fish passage options at several Pacific Corp dams on the Klamath River. A settlement was reached in 2010 for the project to proceed.
- ◆ **Albeni Falls Dam Fish Passage Improvements.** For the US Fish & Wildlife Service, John assessed fish passage options at this Corps of Engineers dam near Spokane, WA.

### **Irrigation Projects, NMFS in Portland, OR and Santa Rosa, CA:**

John served as an agency Fisheries Engineer for irrigation projects on the West Coast, working with the owner's engineers to develop environmentally acceptable solutions. These projects varied in size from small to some of the world's largest.

- ◆ **ACID, Redding, CA.** 300 cfs; fish screen and dam improvements completed in 2001.
- ◆ **Hallwood-Cordura, Yuba City, CA.** 600 cfs; solar-powered fish screen completed in 2000.
- ◆ **Red Bluff Diversion Dam, Red Bluff, CA.** 3,000 cfs; several years of meetings and feasibility studies; no construction.
- ◆ **Delta Fish Facilities, Tracy, CA.** 7,500 cfs; planning, feasibility.

### **Fish Screen and Ladder Projects, Oregon Dept. Fish & Wildlife:**

John served as a Fisheries Engineer for ODFW for nearly 10 years. He designed and managed the construction of many fish screens and ladders throughout Oregon, managed the expansion of and repairs to state-owned hatcheries, and led habitat restoration projects.

- ◆ **Modoc Point, Chiloquin, OR.** 60 cfs. John designed this project and performed construction management in 1996.
- ◆ **Dufur, OR.** Designed small 10 cfs fish screen 1995.

**Public Works Management – Tillamook County Sanitary Authority, Nehalem, OR.**

John managed this agency, including intergovernmental relations, personnel, and the collection system and treatment plant operations in this coastal community. He supervised seven people and provided oversight for customer billings and operations. He also served as the liaison between adjacent cities and federal and state agencies. In his role, he concluded a federal grant that included several contested issues, and acted as agency engineer. He also designed a temporary floating sewer main novel enough to be featured in an article in *Public Works Magazine*.

**CONSULTING EXPERIENCE**

**Norman Associates, Bellevue, WA.** Developed FEMA flood plain maps for the Corps of Engineers on rivers in John Day, Oregon, and Snoqualmie, Washington.

**Arvid Grant & Associates, Olympia, WA.** Construction Engineer for the 984-foot Pasco-Kennewick Intercity Bridge and several large sewer interceptor projects. Part of a design team working on several hatchery projects in Washington State.

**Advanced Engineering Consultants, Olympia, WA.** Civil Engineer for small tribal hatcheries in Puget Sound & Olympic Peninsula. Designed domestic water and sewer systems for developers.

**ORGANIZATIONS**

American Fisheries Society (AFS), Bioengineering Section, President-Elect  
International Association for Hydraulic Research (IAHR)