

CONTACT INFORMATION

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EDUCATION

B.S., Environmental and Forest Biology, State University of New York, College of Environmental Science and Forestry, Syracuse, New York, 2000

A.S., Environmental Studies, Finger Lakes Community College, Canandaigua, New York, 1998

A.S., Liberal Arts and Science, Finger Lakes Community College, Canandaigua, New York, 1998

PROFESSIONAL REGISTRATIONS AND AFFILIATIONS

American Fisheries Society (Secretary/Treasurer, 2004-Present)

SPECIALIZED TRAINING AND CERTIFICATIONS

Hazard Analysis Critical Control Point, New York Chapter American Fisheries Society, 2008

Fish Identification Workshop Certificate (Cyprinidae, Catostomidae, Percidae), New York State Department of Environmental Conservation / New York Chapter American Fisheries Society, 2008

Boat-based Electrofishing, Environmental Outreach and Stewardship Alliance, 2010

Licensed New York State Boater Operator, 2009

INDUSTRY TENURE

13 Years



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Experience Overview

Mr. Jones has over 13 years of experience conducting various American eel studies associated with hydropower projects. This includes American eel captures, measure/capture/release studies, upstream and downstream passage studies, tagging studies, prototype testing of behavioral barrier devices for eels, and assistance with the development of eel passage structures.

Project Experience

St. Lawrence-FDR Power Project, Eel Deterrence Studies, New York, New York Power Authority. Provided strategic support for numerous American eel research and study efforts focused on upstream and downstream movements of this catadromous species. Research involved tagging studies, including passive integrated transponder tagging and state-of-the-art hydrosonic tagging. Studies utilized three-dimensional modeling to assess eel passage and prototype testing of behavioral barrier devices (e.g., light arrays). Assisted in the technical design and implementation of light attenuation and implementation of hydro-acoustic devices used in tracking the upstream and downstream movement of eels. Assisted with the largest eel deterrence experiments in the world, in an attempt to find a viable solution for deterring out-migrating American eels from entering the intakes at the dam. As Field Supervisor, responsibilities included nightly implementation of underwater light arrays, and eel observations and monitoring. Other duties included assistance with an eel monitoring study in the project tailrace and assistance in the post-license compliance implementation of protection, mitigation, and enhancement measures.

Hoosic River Hydroelectric Project, Eel Passage and Post-License Compliance Implementation, New York, Orion Power New York. Assisted with developing three alternatives for an upstream eel passage structure for the Schaghticoke and Johnsonville hydropower developments that comprise the Hoosic River Project. One of these alternatives was selected for implementation with minor modifications. An upstream eel ladder structure was implemented at each of the facilities.

Oswegatchie River Hydroelectric Project, Upstream Eel Passage Studies, New York, Brookfield Renewable Power. Field Study Coordinator and Technical Lead for a program of studies performed in support of Federal Energy Regulatory Commission (FERC) relicensing. Duties included study planning, permitting, data collection and management, scheduling, logistics, and study reporting. Studies included development of conceptual designs for upstream and downstream fish passage at six hydroelectric facilities, including upstream passage for American eel. This project is currently ongoing with implementation of upstream fish passage for American eel and lake sturgeon scheduled for 2013 and 2015.

Aqueduct Connection Environmental Support (ACES) Project, Fisheries Monitoring for Environmental Impact Statement (EIS) Preparation, New York, New York City Department of Environmental Protection. Currently assisting with ongoing monitoring of fisheries resources in tributaries to the Hudson River. Fisheries are largely based on leakage from existing water conduit that contains large populations of American eel and brown trout.

SCOTT A. JONES

Regulatory Specialist/Scientist/Project Manager

Key Species: American Eel

Description of Expertise and Experience with the Relevant Species/Grouping of Species

Mr. Jones has led study teams conducting American eel tailrace mortality assessments, upstream passage assessments, capture/tag/release efforts using netting and electrofishing methods, pit tagging studies, approach deterrent studies, and design and implementation of upstream eel passage facilities on the St. Lawrence, Hoosic, Oswego, and Oswegatchie rivers.

Description of Expertise and Experience in Development and Implementation of Mitigation, Effects Monitoring, and Effectiveness Monitoring Plans

Mr. Jones has supported the development and implementation of effectiveness monitoring plans for upstream passage of American eel. He has also performed monitoring and plan development for other aquatic species associated with downstream movement effectiveness at hydroelectric facilities via complex fish bypass systems. His experience with effectiveness monitoring includes radio-tagging cohorts ranging from 25-100, and inserting groups into varying locations along the fish passage route with end passage recapture to establish the effectiveness of the passage route.

Description of Expertise and Experience in the Hydroelectric Sector

Mr. Jones has served the hydroelectric sector for over 13 years as an aquatic resources project manager and study lead for licensing, regulatory, and FERC compliance projects. His expertise has been applied to conventional, pumped storage, and lock and dam facilities located in the U.S. and Canada. These efforts include fisheries studies; rare, threatened, and endangered species surveys; fish passage assessment and design; fish entrainment and mortality; development of endangered species management plans; habitat assessments; coastal zone consistencies; regulatory analysis; permitting support; operating plans; and flow and water-level monitoring plans.