

CONTACT INFORMATION

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EDUCATION

M.S., Fisheries Biology, Virginia Polytechnic Institute and State University, Blacksburg, Virginia, 1993

B.S., Fisheries Biology, University of Massachusetts, Amherst, Massachusetts, 1981

A.A.S., Applied Marine Biology and Oceanography, Southern Maine Vocational Technical Institute, South Portland, Maine, 1978

PROFESSIONAL REGISTRATIONS AND AFFILIATIONS

American Fisheries Society, National, Northeast and Atlantic International Chapters

Coastal and Estuarine Research Federation

Freshwater Mollusk Conservation Society

SPECIALIZED TRAINING AND CERTIFICATIONS

Freshwater Mollusk Conservation Society - Regional Fauna identification and Sampling Workshop. October 19-21, Kirkwood, Missouri

PHABSIM Field Techniques - April 2004, instructed by Thomas Payne & Assoc., Arcata, California

FERC Fish Passage Workshop - November 2003, hosted by Alden Laboratories, Holden, Massachusetts

INDUSTRY TENURE

26 Years



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Experience Overview

Ms. McCann has over 26 years of aquatic science experience, including conducting freshwater mussel assessments in over 10 U.S. states. She has assessed operational hydraulic effects on mussel populations downstream of hydropower projects, performed Endangered Species Act Section 7 consultation with the U.S. Fish and Wildlife Service (USFWS), prepared Biological Assessments, and conducted mitigation/monitoring studies.

Project Experience

Lake Blackshear Hydroelectric Project, Rare Freshwater Mussel Survey, Georgia, Crisp County Power Commission. Senior Aquatic Scientist responsible for a rare freshwater mussel survey. Consulted with resource agencies, prepared mussel study plan, conducted field survey, and developed study reports. Conducted Section 7 consultation with the USFWS, and prepared a draft Biological Assessment and mussel monitoring plan. Also developed and implemented a monitoring plan following implementation of project protection, mitigation, and enhancement measures.

York Haven Hydroelectric Project, Freshwater Mussel Survey, Pennsylvania, Olympus Power Company. Senior Aquatic Biologist responsible for developing and conducting a freshwater mussel study plan and survey in support of Federal Energy Regulatory Commission (FERC) relicensing. Surveyed for mussels within the project area using wading and snorkel methods and a timed search approach. Prepared the mussel survey report and analysis of project effects in the FERC license application.

Toledo Bend Hydroelectric Project, Freshwater Mussel Study Plan, Texas and Louisiana, Sabine River Authority of Texas and Sabine River Authority, State of Louisiana. Senior Mussel Biologist responsible for advising on freshwater mussels associated with FERC relicensing. Developed freshwater mussel study plan and served as a technical advisor during field activities. Prepared license application section on freshwater mussels, which included a comprehensive review and evaluation of potential project effects.

Osage Hydroelectric Project, Freshwater Mussel Surveys, Missouri, Ameren Missouri. Senior Aquatic Scientist for freshwater mussel assessments. Prepared detailed study plans, participated in field studies for 70 miles of river downstream of the Project, reviewed data reports, and gave presentations to subcommittees and stakeholders. As Senior Malacologist, was responsible for Section 7 consultation with the USFWS and prepared Biological Assessments for endangered mussels species. Species protection and mitigation measures were implemented following license renewal, and ongoing support includes reviewing and advising on monitoring studies.

Yuba River Hydroelectric Project, Special Status Mollusk Surveys, California, Yuba County Water Agency. Senior Biologist responsible for conducting field surveys and study report preparation for special status mollusks (gastropods, mussels, and a sphaeriid clams) on Forest Service lands within the Project area.

Great Works Hydroelectric Project, Rare Freshwater Mussel Surveys, Maine, Fort James Corporation. Senior Aquatic Scientist for environmental studies and Exhibit E preparation for FERC relicensing. Prepared study plans, consulted with agencies, conducted field studies, and developed reports for rare freshwater mussel surveys.

MARY T. McCANN

Senior Aquatic Scientist / Manager of Environmental Services

Key Grouping of Species: Mollusks

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

Ms. McCann has garnered extensive experience with freshwater mussels through her support of field, laboratory, and desktop studies conducted over the past 26 years. She has served as Senior Malacologist on numerous projects involving preparation of study plans and reports; participation in field studies; development of project effects analysis; and development of protection, mitigation, and enhancement measures. Ms. McCann has consulted with resource agencies in these studies, including Section 7 of the Endangered Species Act. She is familiar with qualitative and quantitative survey methods and is co-chair of the Guidelines and Techniques committee for the Freshwater Mollusk Conservation Society.

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

Ms. McCann has served as Senior Malacologist responsible for project effects analysis and evaluation of protection, mitigation, and enhancement measures for freshwater mussels at numerous hydropower and linear projects throughout the U.S. She continues to be responsible for implementation or evaluation of monitoring studies following project enhancement measures in Maine, Missouri, and Georgia.

Description of Expertise and Experience in the Hydroelectric Sector

Ms. McCann has extensive hydroelectric sector experience, having prepared environmental sections of federal and state permit and license applications in support of numerous hydropower licensing and relicensing efforts. She has prepared environmental study reports and project effects analysis, Biological Assessments for federally listed mussel species, developed protection and enhancement measures and monitoring plans, worked on several Environmental Assessments for National Environmental Policy Act documents, and has served as expert witness.