



July 14, 2014

VIA EMAIL

Mr. Colin Hoag, Policy Advisor
Ontario Waterpower Association
380 Armour Road, Suite 264
Peterborough, Ontario K9H 7L7

Qualifications Statement for Brandon Kulik
Ecological Flows

Dear Mr. Hoag:

I present this statement of qualifications to the Ontario Waterpower Association for consideration as a subject matter expert for Ecological Flows.

I joined Kleinschmidt Associates (Kleinschmidt) in 1986 as a Senior Fisheries Biologist. I have 36 years of experience in determining the potential impacts of power generation on aquatic resources. Kleinschmidt is a member of the Ontario Waterpower Association.

Expertise / Experience Relevant to Ecological Flows.

Twenty-eight years of ecological flow assessment experience throughout the US, including New England, mid-Atlantic, Midwestern and southeastern states:

- Design and scoping of ecological flow studies using the following techniques:
 - Instream Flow Incremental Methodology (IFIM)
 - Fully certified in Physical habitat Modeling (PHABSIM)
 - Flow demonstration methods
 - Wetted perimeter and Aquatic Base Flow methodology
 - Habitat Suitability Index development
- Have executed well over 40 instream flow assessments; experienced in:
 - All aspects of field data collection
 - QA/QC, modeling and data analysis
 - Developed flow recommendations for bypass reach, peaking, and run-of-river projects
 - Assisted dam owners with agency negotiations and facilitated flow agreements
 - Provided expert witness in several precedent-setting cases
- Published peer reviewed literature on instream flow subjects

Expertise/Experience in Development and Implementation of Mitigation, Effects Monitoring, and Effectiveness Monitoring.

Over twenty five years of experience developing and conducting studies to determine the impact of hydroelectric generation on aquatic resources, designing and implementing mitigation efforts to minimize impacts, and conducting studies to determine the effectiveness of mitigation efforts. Studies and mitigation topics include:

- Pre and post stream ecosystem monitoring to assess ecological response to flow;
- Developed Maine Water Use Plan for Atlantic salmon flow regulation;
- Supporting analyses for FERC Licensing permitting;
- Multi-year fish assemblage assessments to determine effects of minimum bypass reach flows.

Expertise/Experience in Hydroelectric Sector.

Twenty-eight years of experience as a fisheries biologist working in the hydroelectric industry in the Northeast, Southeast and Midwest, USA. My experience and expertise is related to habitat requirements and hydrological requirements of, shortnose sturgeon, American shad, Atlantic salmon, trout and other native fish species in large North American rivers.

Please see attached for my resume of direct relevance to the above mentioned criteria.

Please contact me at 207.487.3328 or at brandon.kulik@kleinschmidgroup.com should you have any questions or require additional information.

Sincerely,



Brandon H. Kulik
Senior Fisheries Biologist

Attachments: Resume