NORTH/SOUTH CONSULTANTS INC.
Aquatic Environment Specialists

North/South Consultants Inc. is a recognized expert in the aquatic environment and has extensive experience in the management of large-scale, multidisciplinary projects. Primary areas of expertise include:

- Environmental Impact Assessment
- Environmental Licensing and Approvals
- Environmental Monitoring
- Aquatic Surveys and Resource Inventories
- Post-Project Audits
- Water and Sediment Quality Assessment
- Aquatic Habitat Assessment
- Fisheries and Aquatic Resource Management
- GIS/Mapping
- Facilitation of Compensation and Mitigation Issues
- Resource Use Surveys
- Traditional Knowledge Surveys
- Laboratory Analysis

North/South Consultants Inc. (NSC) employs 60 full-time professional and technical personnel specializing in a broad array of aquatic disciplines. The staff includes experts at the B.Sc., M.Sc., and Ph.D. levels, including Registered Professional Biologists in both British Columbia and Alberta, and Canadian Certified Environmental Practitioners. NSC works extensively with First Nation groups and First Nation communities while conducting project work.

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NSC has extensive experience with Lake Sturgeon studies in Alberta, Saskatchewan, Manitoba, and Ontario. Expertise includes:

- Spawning habitat selection
- Habitat suitability
- Larval hatch and drift
- Juvenile abundance and distribution
- Adult abundance and distribution
- Movement and habitat utilization
- Passage
- Entrainment
- Wild versus hatchery contributions
- Population size and trajectory
- Recruitment patterns
- Population viability modeling

NSC has extensive expertise with Lake Sturgeon, having conducted studies in numerous large rivers to assess: fine-scale spawning patterns and habitat suitability; larval hatch and drift; juvenile abundance and distribution; adult abundance and distribution; movement and habitat utilization; fish passage; entrainment; wild versus hatchery contributions; population size and trajectory; recruitment patterns; and, population viability modelling.

NSC has also assisted with the design and implementation of spawn collection for stocking purposes, and with high resolution genetics studies that have dramatically improved the understanding of Lake Sturgeon historical population structure and contemporary gene flow in large riverine systems. NSC recently published peer-reviewed manuscripts related to the relative contributions of age-1 and age-0 stocked fish and the design of a sampling methodology for juvenile Lake Sturgeon.

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