

## Monitoring Program Specifics

Program	Description	Beneficial Use Impairment Link	Timing	Lead	Contact
Great Lakes Nearshore Index Stations	Water, sediment, plankton, and benthic community monitoring throughout the Great Lakes, including Nipigon Bay	Benthos, sediment quality	2017, every six years	MOECC	Environmental Monitoring and Reporting Branch Tara George Tara.George@ontario.ca
Ontario Fish Contaminant Monitoring Program	Fish contaminant monitoring throughout the province; Nipigon Bay is designated as block 6	N/A – fish consumption was never impaired in Nipigon Bay	Varies depending on a variety of factors, such as past contaminant levels and significance of fishery	MOECC	Environmental Monitoring and Reporting Branch fishguide@ontario.ca
Fish Community Index Netting Program	This is a fisheries independent survey that provides a trend through time index of relative abundance and a means for assessing population characteristics for typical offshore fish communities. It also serves as a critical monitoring tool used to track the characteristics of fish populations and their recovery within the Nipigon Bay AOC. Results are compared with areas outside the AOC.	Fish populations	2009 to 2016, then every five years	MNRF	Upper Great Lakes Management Unit Eric Berglund Eric.berglund@ontario.ca
Coaster Brook Trout Survey	Assessment program to quantify the relative abundance and characteristics of Brook Trout populations, inside and outside the Nipigon Bay AOC, by using nighttime boat electrofishing.	Fish populations	2011 to 2016, then a minimum of every five years depending on the overall health of the population	MNRF	Upper Great Lakes Management Unit Eric Berglund Eric.berglund@ontario.ca
Nipigon River System Water Management Plan	Compliance monitoring to ensure the Nipigon River Water Management Plan continues to protect fish spawning habitat and maintain adequate flows to enable fish passage.	Fish habitat	Annual	MNRF and OPG	MNRF, Nipigon District Rosemary Hartley Rosemary.hartley@ontario.ca
Lake Sturgeon Monitoring	A joint effort to assess the Lake Sturgeon population and habitat in which field work is done by the Red Rock Indian Band and funded through the Anishinaabek Ontario Fisheries Resource Centre (A/OFR), MNRF and OPG. This monitoring	Fish populations	Annual; 2014 to 2017	MNRF and OPG	Nipigon District Rosemary Hartley Rosemary.hartley@ontario.ca

	is part of the compliance monitoring for the Nipigon River Water Management Plan.				
<b>Walleye Monitoring</b>	Walleye monitoring to confirm fish are spawning at rehabilitated sites in Polly Lake, the Nipigon Lagoon causeway, and at the mouth of Bass (Purdom) Creek.	Fish populations	2012 to 2016	MNR and OPG	Nipigon District Rosemary Hartley Rosemary.hartley@ontario.ca
<b>Cooperative Science and Monitoring Initiative</b>	As part of the overall process to assess and monitor the chemical, physical, and biological integrity of Lake Superior, the Lake Superior Partnership implements a Cooperative Science and Monitoring Initiative. The initiative delivers an intensive management-related scientific examination of each Great Lake, on a staggered five-year rotational basis.	Varies with each five-year cycle and is aligned with priorities outlined in the Lakewide Action and Management Plan. Generally includes the lower food web and water quality.	The five-year cycle consists of the following: 2014: Identify science needs; 2015: Develop work plan; 2016: Conduct field work; 2017: Perform laboratory analysis and compile results; 2018: Report results	Environment Canada	Laurie Wood Laurie.Wood@ec.gc.ca
<b>National Marine Conservation Area</b>	Parks Canada will manage the NMCA in a sustainable manner in collaboration with the Province of Ontario, First Nations, north shore communities and local stakeholders.	TBD	Pending legal establishment of the LSNMCA and development of a management plan.	Parks Canada	Ray Boudreau Ray.Boudreau@pc.gc.ca
<b>Kama Creek Habitat Monitoring</b>	Monitoring of remedial actions in Kama Creek has continued since 2012 and includes benthic invertebrates, substrate and sedimentation, erosion, vegetation and habitat improvements and water quality	Fish populations, fish and wildlife habitat	Bi-monthly throughout the ice-free season, 2015 to 2019	Lakehead University	Robert Stewart Rob.stewart@lakeheadu.ca
<b>Superior Streams Initiative</b>	Superior Streams is a non-government organization based in Thunder Bay that has an interest in restoring and protecting tributaries along the northwestern shoreline of Lake Superior. The group's initial efforts will focus on baseline monitoring (e.g. benthic organisms, flow dynamics, fish populations, and water quality)	Benthos, fish populations and fish habitat	Summer of 2015	Superior Streams	Tom Kleinboeck Tom.Kleinboeck@ontario.ca