

Lake Superior Brook Trout Genetics sampling overview

Our main goals are to: assess if coaster Brook Trout populations around Lake Superior are comprised of discrete stocks, and if so, then determine which population(s) contribute the most to the recreational fishery of Coaster Brook Trout catches in the Ontario waters of Lake Superior.

What to sample:

For all coaster Brook Trout please collect the following info and record it on an envelope

- Fork length (mm)
- General location of where the Brook Trout was caught (for example: “Nipigon Bay”, “Little Trout Bay”, “lower Nipigon River”, etc.)
- Genetic sample (place inside the envelope)

Additional points:

- To get the best results from this project we need as many genetic samples as possible. Therefore, if you need more envelopes (or any other sampling equipment) at any point during the season, please let Kyle know.
- Upon the closure of the FMZ 9 Brook Trout season, Kyle will send an email to set up a time to pick up all your samples.

If you ever have any questions or concerns, feel free to reach out via text, phone, or email.

Kyle's contact info:

Kyle.stratton@ontario.ca
(807) 633-0741

Lake Superior Brook Trout Genetics sampling procedure

Fork Length: Fork length measures from the tip of the longest jaw to the center of the fork in the caudal fin. Measurement is recorded in millimeters (mm).



Please measure sampled
Brook Trout fork length

Genetic Sampling: Remove small genetic sample from the top tip of the tail (caudal fin) by using the side cutters. We only need the genetic sample to be about the size of a hole made from a hole punch, or roughly the diameter of a pencil. Place the genetic sample in the envelope and record the general location and fork length on the envelope.

Remove genetic sample from this area



You don't need to store your samples in any way. However, to minimize any possible smells, it is recommended to try and dry the samples in the envelopes by leaving the top fold in the envelopes open and spreading the envelopes out overnight to dry.