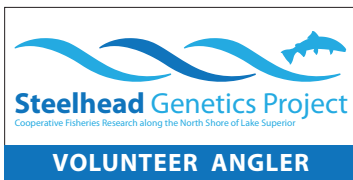


All of the below (not limited to) will be placed, and distributed, within the 5" x 10" clear plastic bag.

2" x 4" angler window decal



10 - 20 3" collection envelopes
MNDNR to provide envelopes
and instructional label

5" x 10" 4 mil. Project bag



4" x 9" instruction card
Side A

Steelhead Genetics Project
Cooperative Fisheries Research along the North Shore of Lake Superior

The Steelhead Genetics Project (SGP) will evaluate hybridization between hatchery raised (clipped) Kamloups Rainbow Trout and naturalized (wild) steelhead among Lake Superior tributaries as well as understanding adult returns of stocked steelhead fry.

This project seeks angler volunteer participation in collecting scale samples. Non-lethal scale samples will provide genetic tissue that will differentiate adults that were offspring of Knife River captive brood-stock steelhead from wild steelhead. This project will help guide the current Rainbow Trout stocking program toward attaining rehabilitation goals for steelhead in the Minnesota waters of Lake Superior.

Scale collection instructions:

1. Prior to landing a rainbow trout, have a small knife, the enclosed collection envelope, and a fish handling glove readily available.
2. Using a net and/or a fish handling glove, gently grasp the area just forward of the tail. Holding firmly, keep the head and gills submerged in the water. Having a fishing partner stabilize the back of the trout, while keeping the head submerged, gently wipe dry the scale collecting area on the back (see illustration on back of card). Note: A "dry" area will be easier to collect scales.
3. With the tip of a sharp knife, scrape the dried area (illustrated on back of card), moving from head to tail, collecting approx 5 to 10 scales. DO NOT scrape against the "grain". You will need to apply firm pressure. Be careful not to puncture the skin. Note: the scales are small, but you should be able to see them against you blade.
4. Once scraped, the scales will be small and should stick to the blade of your knife. There should also be some "dirty" tissue at the base of each scale. This is the critical tissue that carries the DNA. Place the tip of your knife blade into the collection bag, and wipe off the blade against the inside of the paper envelope.
5. Let the scales air dry completely, inside the envelope, before mailing. **DO NOT SHIP WET SCALES.** Enter all the required information requested on the collection envelope*. Mail in your collection envelopes using your own container or the provided collection envelopes.

Mail collection envelopes to: Minnesota Department of Natural Resources
Lake Superior Area Fisheries Office
5351 North Shore Drive
Duluth, MN 55804

For further information contact:
218-302-3264 | Superior.Fisheries@state.mn.us

4" x 9" instruction card
Side B

Steelhead Genetics Project
Cooperative Fisheries Research along the North Shore of Lake Superior

Minnesota Department of Natural Resources
Lake Superior Area Fisheries Office
5351 North Shore Drive
Duluth, MN 55804

Scale Collection Tips:

- DO NOT clean the scales. The "dirty" material is the genetic tissue needed to collect DNA.
- Leave scales in envelope and let them air dry completely before storage. DO NOT store in plastic bags. Once a paper collection envelope is dry, place scales and envelope in the collection bag.
- Enter all the required information requested on the collection envelope.
- If you are out fishing, you can also drop off your scales at the Steelhead Genetics Project Drop Box. If OK, if scales are not completely dry, if recently collected and dropping the scales in the envelope.

Stay above the lateral line

Collect 5-10 scales here

Minnesota Department of Natural Resources
Lake Superior Area Fisheries Office
5351 North Shore Drive
Duluth, MN 55804

4" x 6" Return
collection mailer
With return labels



Steelhead Genetics Project
Cooperative Fisheries Research along the North Shore of Lake Superior

Minnesota Department of Natural Resources
Lake Superior Area Fisheries Office
5351 North Shore Drive
Duluth, MN 55804

2" x 4" Return mailer
address label