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DEPARTMEN
FISH AND WILDLIFE
BUREAU OF COMMUNITIES
P. O. BOX 778
MARQUETTE, MICHIGAN

August 19, 1963

Mr. Leo Johnson, Resident Manager
Huron Mountain Club
Big Bay, Michigan

Dear Mr. Johnson:

I have been requested to provide you with full information on the effects of our chemical treatment on the Salmon Trout River. We had reports of some mortality to brook trout, and as a result made a more comprehensive post-treatment survey than is usual. A summary of our findings follows:

Section covered: Below junction with Sullivans Creek

Area covered: Approximately 200 yards

Date: August 16, 1963

Observers: R. Kanayama and R. Piecing

Fish kill:

<u>Species</u>	<u>Number</u>
Longnose dace	Numerous
White sucker	Few
Burbot	Few (up to 10 inches)
Yellow perch	One
Sculpins	Few
Trout	None

Section covered: Upstream from County Road 550

Area covered: Approximately 1/2 mile

Date: August 16, 1963

Observer: J. Zimmerman

Fish kill:

<u>Species</u>	<u>Number</u>
Sculpins	500
Longnose dace	100
Burbot	5
Brook trout	1 (16 inches)
Brook trout	2 (5 inches)
Rainbow trout	1 (2 inches)

Section covered: Upstream from end of road in Section 12

Area covered: Approximately 1/2 mile

Date: August 15, 1963

Observer: R. Torblaau

Fish kill:

<u>Species</u>	<u>Number</u>
Longnose dace	50
Sculpins	200
Burbot	2
Brook trout	1 (5 inches)
Rainbow trout	1 (4 inches)

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Section covered: Downstream from County Road 550

Area covered: Approximately 1/2 mile

Date: August 16, 1963

Observer: R. Torblan

Fish kill:

<u>Species</u>	<u>Number</u>
White suckers	15
Burbot	4
Northern pike	1 (8 inches)
Longnose dace	50
Trout	None

Section covered: Application site at Lower Dam Cabin

Area covered: Approximately 1/2 mile

Date: August 16, 1963

Observer: W. Meyers

Fish kill:

<u>Species</u>	<u>Number</u>
Sculpins	100
Brook trout	3 (all under 7 inches)

Section covered: Upstream from mouth of stream

Area covered: Approximately 1/2 mile

Date: August 16, 1963

Observer: A. Marju

Fish kill:

<u>Species</u>	<u>Number</u>
White suckers	3
Burbot	1
Trout	None

Section covered: Vicinity of electrical barrier

Area covered: About 500 yards

Date: August 15, 1963

Observers: H. Purvis and B. Reynolds

Fish kill:

<u>Species</u>	<u>Number</u>
Longnose dace	Common
Burbot	One
Sculpins	60
Northern pike	One
Yellow perch	3
Brook trout	One
Rainbow trout	One

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A club member also requested that we provide you with a check list of fish inhabiting the stream. We do have a list of fish taken by the electrical barrier when it was in operation and I am enclosing a copy.

We wish to thank you for the cooperation extended to us. If there is any further information we can furnish, please feel free to contact us.

Sincerely,

Richard L. Torblaas

Richard L. Torblaas
Fishery Biologist (General)

RLT:bjm

Encl.

List of fish taken in the Salmon Trout River weir.

<u>Common name</u>	<u>Family</u>	<u>Scientific name</u>
✓ Sea lamprey	<u>Petromyzontidae</u>	<i>Petromyzon marinus</i>
✓ Silver lamprey		<i>Ichthyomyzon unicuspis</i>
✓ Northern brook lamprey		<i>Ichthyomyzon fassor</i>
✓ Rainbow trout	<u>Salmonidae</u>	<i>Salmo gairdneri iredeus</i>
✓ Brook trout		<i>Salvelinus fontinalis</i>
✓ Smelt	<u>Oncorhynchidae</u>	<i>Oncorhynchus mordax</i>
✓ White sucker	<u>Catostomidae</u>	<i>Catostomus commersonii commersonii</i>
✓ Eastern longnose sucker		<i>Catostomus catostomus catostomus</i>
✓ Longnose dace	<u>Cyprinidae</u>	<i>Rhinichthys cataractae cataractae</i>
✓ Northern common shiner		<i>Notropis cornutus frontalis</i>
✓ Northern creek chub		<i>Semotilus atromaculatus atromaculatus</i>
✓ Blacknose dace		<i>Rhinichthys atratulus meleagris</i>
✓ Troutperch	<u>Percopsidae</u>	<i>Percopsis omiscomyces</i>
✓ Northern rock bass	<u>Centrarchidae</u>	<i>Ambloplites rupestris rupestris</i>
✓ Smallmouth bass		<i>Micropterus dolomieu dolomieu</i>
✓ Sculpin	<u>Cottidae</u>	<i>Cottus sp.</i>
✓ Northern log perch	<u>Percidae</u>	<i>Percina caprodes semifasciata</i>
✓ Yellow perch		<i>Perca flavescens</i>
✓ Central mudminnow	<u>Umbridae</u>	<i>Umbra limi</i>
✓ Burbot	<u>Gadidae</u>	<i>Lota lota lanigera</i>
✓ Ninespine stickleback	<u>Gasterosteidae</u>	<i>Pungitius pungitius</i>
✓ Brook stickleback		<i>Eccchinus irconatus</i>