

INSTITUTE FOR FISHERIES RESEARCH
UNIVERSITY MUSEUMS
UNIVERSITY OF MICHIGAN
ANN ARBOR, MICHIGAN

Report No. 81

RECORD OF TAGGING OPERATIONS IN SUMMER OF 1930.

Reports 17 and 45 covered respectively the tagging operations for spring and fall of 1930. This report gives the record of trout tagged by Dr. John R. Greeley during the summer of 1930. The tags used were all No. 3, and including the following series: 5840-5900, 9701-9784 and 9801-9884. The fish tagged were all stream caught, but many of the brown trout tagged in the Little South Branch of the Pere Marquette were taken to be of a recent plant because of the pale color of their spots. Others from the same stream as 5875, were "wild fish" with very red spots.

Most of the work was done in the Pere Marquette and Little Manistee River Systems of Lake and Newaygo counties; 21 were tagged in Goose Creek, Kalkaska and Crawford counties.

The object of this tagging was to obtain further information on the movements of trout, especially from and to closed streams. It is hoped that more returns will be reported later. We append to this report the record of recaptures made during the course of the tagging. The fish recaptured (not counting those retaken on day of tagging) had been free respectively 1, 6, 7, and 11 days; and another was taken twice, 6 and 12 days after tagging. About 100 yards was the greatest distance traversed by any of these fish over the short periods. All the trout recaptured were again liberated as a continuation of the experiment.

Only one long-term return from these tagged fish has been reported, that of a brown trout which after 264 days was taken in the identical hole where tagged. This return received newspaper publicity.

From these rather meager returns we can only conclude, provisionally: (1) that during the summer, brown and rainbow trout just under the legal size, in a

medium-sized trout stream like the Little South Branch of the Pere Marquette and the Little Manistee, do not move much over a period of one or two weeks, and (2) that legal sized brown trout may remain for about nine months in one pool.

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Carl L. Hubbs
Director

Trout tagged 1930 (summer)

Upper led to Rep. 81

J.R. Greeley

RECOVERIES

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Brown trout:

All recoveries were again released

Tag No.	Date recaptured	Length	growth	Sex	Where released	County	Township	T.R.	Section.
Date tagged	Interval		Kind	Distance	Where recaptured				
5870	July 28, '30	6 1/4"	—	—	Little So. Br. P.M. just above Mark's Camp	Newaygo	Home		8
July 21, '30	8 days	—	Wild	None	" " " " " "	"	"		8
Tag was through 1 gill arch but fish O.I. on recovery.									
5880	July 28	5 1/4"	—	—					
July 22	7 days	—	Wild	None	Same as No. 5870-----				
Recapture about at place of tagging. Tag very loose at recapture. Trout really too small to tag.									

Brook trout:

(no recaptures except same day of tagging - not noted).

Rainbow trout:

5874	July 28	6 1/2"	—	—	Little So. Br. P.M. below Mark's camp	Newaygo	Home		8
July 22	7 days		Wild	About 100 yds up .	" " " " " "	"	"		
5874	Aug. 3	6 1/2"							
July 22	13 days				" " " " " "	"	"		
Recovered on fly a few yards below July 22 recapture, This trout had moved upstream since original capture. However, in original capture he may have been chased downstream by seine.									
9709	Aug. 22	6 1/2"	—	—	Little Manistee R. at camp	Lake	Peacock		5
Aug. 11	12 days		Wild						
Recovery about same point as tagging. Tag very loose & gills looked irritated. Trout rather small for the tag as 5880 (above).									
9729	Aug. 14	6 7/8"			Little Manistee R. at Miss Partridges.	Lake	Eden		30
August 13	1 day		Wild						
Recovery at place of tagging, a few yards above (next pool above).									

9735 ^{BROWN} _{TROUT} May 4, 1931 7 1/4" 2 1/4" — — Little Manistee R. at Miss Partridges
~~July 14, 1930~~ 264 days 4 1/2" Wild None "Living in space above Peacock
~~Aug 14, 1931~~ " " " " " "

Trout tagged 1930
J.R. Greeley

Tag No.	Date Tagged	Species	Kind	Length in in.	Sex	Where tagged	County	Township	Sec.	Remarks
5870	July 21	Brown	Wild	6 1/4"		Little So. Fr. Pere Marquette	Newaygo	16N, R12W	8	On fly
			Recent Plant?			near Mark's Camp to bridge		Home		See recovery 7/28/
5871	" "	"	"	6 1/4"		" " " " "	"	"	"	On fly
5872	July 22	"	"	6 1/4"		Mark's camp and below	"	"	8	"
5873	" "	Brook	Wild	6	M	" " " " "	"	"	"	"
5874	" "	Rainbow	"	6 1/2"		" " " " "	"	"	"	See recovery July 28 " " Aug. 3
5875	" "	Brown	"	6 3/4"		" " " " "	"	"	"	Very red spots.
5876	" "	Brook	"	6 3/4"		" " " " "	"	"	"	"
5877	" "	Brown	Wild	6 1/8"	F?	Near Mark's Camp	"	"	"	"
5878	" "	"	"	5 3/4"	M?	" " " " "	"	"	"	"
5879	" "	"	"	5 1/8"	M?	" " " " "	"	"	"	"
5880	" "	"	"	5 1/4"	M?	" " " " "	"	"	"	See recovery July 28
5881	" "	"	"	6 1/2"	M?	" " " " "	"	"	"	"
5882	" "	"	"	7"	F?	" " " " "	"	"	"	"
5883	" "	"	"	7 1/8"	M?	" " " " "	"	"	"	"
5884	" "	"	"	6 1/4"	F?	" " " " "	"	"	"	"
5885	July 22	Brook	Wild	5 1/2"		Trib Peese Creek	Newaygo	16N, R12W	9	
								Home		
5886	" "	"	"	7"	M	" " " " "	"	"	"	"
5887	" "	Brown	"	5 3/4"		McDuffy Creek (Wood near mouth)	"	"	21	All in one pool.
5888	" "	"	"	6 1/2"		" " " " "	"	"	"	" " " " "
5889	" "	"	"	6 1/4"		" " " " "	"	"	"	" " " " "
5890	" "	Brook	"	5 7/8"		" " " " "	"	"	"	" " " " "
5891	" "	"	"	7 3/4"	M	" " " " "	"	"	"	" " " " "
5892	" "	"	"	7"		" " " " "	"	"	"	" " " " "
5893	" "	"	"	6 1/2"	F	" " " " "	"	"	"	" " " " "
5894	" "	Brown	Wild	5 3/4"	M	Little So. Fr. P.M. at north-south road.	"	"	20	
			Recent plant							
5895	July 23	Brown	"	6 5/8"		" " " " "	Newaygo	"	20	Fin rot.
5896	" "	"	"	7 1/4"		" " " " "	"	"	"	" " "
5897	" "	"	"	9 3/4"		" " " " "	"	"	"	" " "
5898	" "	"	"	7 1/2"		" " " " "	"	"	"	" " "
5899	" "	"	"	8 1/8"		" " " " "	"	"	"	Pug nose.
5900	" "	"	"	7 1/8"		" " " " "	"	"	"	"

Note: In case of Little South Branch, Pere Marquette, many of the brown trout tagged were a recent plant: identifiable by pale color of spots. Several other trout were wild stock "very red spots" as 5875.

Trout tagged 1930
J. R. Greeley

Submitted with Rep. 81
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Tag No.	Date tagged	Species	Kind	Length in in.	Sex	Where tagged	County	Township	Section	Remarks
5840	July 16	Brook	Wild	5 in.		Goose Creek (Closed feeder) State Road Bridge Pool at culvert	Kalkaska	26N,R5W	35	Seined unless otherwise stated.
5841	" "	"	"	5 3/8"	"	" " " "	"	"	"	"
[5842 discarded]										
5843	July 16	"	"	5 1/8"	"	" " " "	"	"	"	"
5844	" "	"	"	5 1/2"	"	" " " "	"	"	"	"
5845	" "	"	"	5 3/4"	"	" " " "	"	"	"	Tag not well clinched.
5846	" "	"	"	5 1/4"	"	" " " "	"	"	"	"
5847	" "	"	"	5 3/8"	"	" " " "	"	"	"	"
5848	" "	"	"	5 1/8"	"	" " " "	"	"	"	"
5849	" "	"	"	5 3/4"	"	" " " "	"	"	"	"
5850	" "	"	"	6 1/8"	"	" " " "	"	"	"	"
5851	" "	"	"	5 1/8"	"	" " " "	"	"	"	"
5852	" "	"	"	5 1/8"	"	" " " "	"	"	"	"
5853	" "	"	"	4 3/4"	"	" " " "	"	"	"	"
5854	" "	"	"	6 1/8"	"	" " " "	"	"	"	"
5855	" "	"	"	about 5 1/2"	"	" " " "	"	"	"	"
5856	" "	"	"	5 1/8"	"	" " " "	"	"	"	"
5857	" "	"	"	5 1/8"	"	" " " "	"	"	"	"
5858	" "	"	"	5 1/16"	"	Goose Creek Just below closed area	Crawford	27N,R4W	7	Just below Kalkaska Co. Line.
5859	" "	"	"	5 7/8"	"	" " " "	"	"	"	"
5860	" "	"	"	6 3/8"	"	" " " "	"	"	"	"
5861	" "	"	"	4 15/16"	"	" " " "	"	"	"	"
5862	July 18	Brown	"	6 1/4"	"	Baldwin " State Road	Lake	18N,R13 W	35	On fly.
5863	" "	"	"	5 5/8"	"	" " " "	"	"	"	"
[5864 tag lost]										
5865	July 21	Rainbow	"	6 3/4"	"	Little So. Branch Pere Marquette Near Mark's Camp	Newaygo	16N,R12W	8	On fly - Tag not well clinched.
5866	" "	Brown	Wild - Recent plant?	5 1/2"	"	" " " "	"	"	"	"
5867	" "	"	"	7 7/8"	"	" " " "	"	"	"	"
5868	" "	"	"	6 1/4"	"	" " " "	"	"	"	On fly - Tag not well clinched.
5869	" "	"	"	6	"	" " " "	"	"	"	"

Trout Tagged 1930
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Tag no.	Date tagged	Species	Kind	Length in in.	Sex	Where tagged	County	Township	Sec.	Remarks
[9701 discarded]										
9702	Aug. 7	Rainbow	Wild	6"		Little Manistee at camp	Lake	Peacock	5	
9703	"	"	"	6 1/4"		" " " "	"	"	"	
9704	"	"	"	6 3/8"		" " " "	"	"	"	
9705	"	Brown	"	6 7/8"		" " " "	"	"	"	
9706	"	Brook	"	5 5/8"		" " " "	"	"	"	
9707	"	Rainbow	"	5 3/4"		" " " "	"	"	"	
9708	"	"	"	6 1/4"		" " " "	"	"	"	
9709	"	"	"	6 1/2"		" " " "	"	"	"	
9710	Aug. 8	Brook	Wild	5 3/4"		Little Manistee, ^{at} Red bridge	"	"	"	
9711	" 11	Rainbow	"	6"		Little Manistee R. at camp	"	"	"	
9712	" 12	"	"	6 1/4"		Twin Creek	Lake	S. Newkirk	7	On fly
[9713 tag discarded]										
9714	Aug. 13	Rainbow	Wild	7 3/8"		Little Manistee R.	Lake	S. Newkirk	17	
9715	"	"	Breed fed	6 1/4"		" " at Miss Partridges	Lake	Eden	30	This series is bread fed trout tamed by Miss Partridge.
9716	"	"	"	6 1/4"		" " " "	Lake	"	30	
9717	"	"	"	7 1/8"		" " " "	"	"	"	
9718	"	"	"	6 7/8"		" " " "	"	"	"	
9719	"	"	"	6 7/8"		" " " "	"	"	"	
9720	"	"	"	7 1/8"		" " " "	"	"	"	
9721	"	"	"	6 1/2"		" " " "	"	"	"	
9722	"	"	"	7 7/8"		" " " "	"	"	"	
9723	"	"	"	7 1/4"		" " " "	"	"	"	
9724	"	"	"	6 5/8"		" " " "	"	"	"	
9725	"	"	"	7 1/8"		" " " "	"	"	"	
9726	"	"	"	6 3/8"		" " " "	"	"	"	
9727	"	"	"	6"		" " " "	"	"	"	
9728	"	"	"	6"		" " " "	"	"	"	
9729	"	"	"	6 7/8"		" " " "	"	"	"	" Blind in right eye. Recovery Aug. 14.
9730	"	"	"	6 5/8"		" " " "	"	"	"	
9731	" 14	"	"	6"		" " " "	"	"	"	
9732	"	"	"	7 1/4"		" " " "	"	"	"	
9733	"	"	"	5 3/4"		" " " "	"	"	"	
9734	"	"	"	6 3/4"		" " " "	"	"	"	
9735	"	Brown	"	7 1/4"		" " " "	"	"	"	
9736	"	Rainbow	"	6 5/8"		" " " "	"	"	"	
9737	"	"	"	6 5/8"		" " " "	"	"	"	
9738	"	"	"	6 1/4"		" " " "	"	"	"	

Trout tagged 1930
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Tag No.	Date tagged	Species	Kind	Length in in.	Sex	Where tagged	County	Township	Sec.	Remarks
9739	Aug. 14	Rainbow	Wild, bread fed	6"		Little Manistee R. at Miss Partridge	Lake	Eden	30	
9740	"	"	"	7 5/8"	"	"	"	"	"	Tag not well clinched
9741	"	"	"	6 1/8"	"	"	"	"	"	
9742	"	"	"	6 3/4"	"	"	"	"	"	
9743	"	"	"	6 3/4"	"	"	"	"	"	
9744	"	"	"	7 1/8"	"	"	"	"	"	
9745	"	"	"	6 1/4"	"	"	"	"	"	
9746	"	"	"	5 7/8"	"	"	"	"	"	
9747	"	"	"	7 7/8"	"	"	"	"	"	
9748	"	"	"	7 1/2"	"	"	"	"	"	Maxillary pulled out.
9749	"	"	"	6 7/8"	"	"	"	"	"	
9750	"	"	"	7 5/8"	"	"	"	"	"	Swim pool.
9751	"	"	"	6 3/8"	"	"	"	"	"	
9752	"	"	"	6 3/8"	"	"	"	"	"	
9753	"	"	"	5 5/8"	"	"	"	"	"	at bridge
9754	"	"	"	7 1/4"	"	"	"	"	"	
9755	"	"	"	8 5/8"	"	"	"	"	"	
9756	"	"	"	7 1/8"	"	"	"	"	"	
9757	"	"	"	7 5/8"	"	"	"	"	"	
9758	"	"	"	7 5/8"	"	"	"	"	"	
9759	"	"	"	6"	"	"	"	"	"	
9760	"	"	"	9 1/8"	"	"	"	"	"	at bridge and below
9761	"	"	"	6"	"	"	"	"	"	
9762	"	"	"	6 1/8"	"	"	"	"	"	
[9763 discarded]										
9764	Aug. 14	Brown	Wild	11 3/8"	"	"	"	"	"	
9765	" 15	Rainbow	"	6 1/2"	"	" (at trout count)	"	Peacock	5	
9766	"	"	"	8"	"	"	"	"	"	
9767	"	"	"	6"	"	"	"	"	"	
9768	"	Brown	"	6 1/4"	"	"	"	"	"	
9769	"	Rainbow	"	7"	"	"	"	"	"	
9770	"	"	"	6 1/4"	"	"	"	"	"	
9771	"	Brook	"	7 1/4"	"	"	"	"	"	
9772	"	"	"	6"	"	"	"	"	"	
9773	"	Rainbow	"	6 1/2"	"	"	"	"	"	
9774	"	"	"	6 1/4"	"	"	"	"	"	

Trout tagged 1930
J. R. Greeley

K

Tag No.	Date tagged	Species	Kind	Length in in.	Sex	Where tagged	County	Township	Sec.	Remarks
9775	Aug. 15	Rainbow		7 1/2		Little Manistee R. (at trout count)	Lake	Peacock	5	
9776	"	"	"	6 3/4"	"	"	"	"	"	
9777	"	"	"	6 1/4"	"	"	"	"	"	
9778	"	"	"	6 1/2"	"	"	"	"	"	
9779	"	"	"	6 7/8"	"	"	"	"	"	
9780	"	"	"	7"	"	"	"	"	"	
9781	"	"	"	6 1/4"	"	"	"	"	"	
9782	"	"	"	7 3/8"	"	"	"	"	"	
9783	"	"	"	6"	"	"	"	"	"	
9784	"	"	"	5 3/4"	"	"	"	"	"	

Trout tagged 1930
J. R. Greeley

Tag No.	Date tagged	Species	Kind	Length in in.	Sex	Where tagged	County	Township	Sec.	Remarks
9801	July 23	Brown	Wild	7 1/4"		Little So. Br. P.M. at north-south road	Newaygo	16N., R12W Home	20	Very red spots
9802	" "	"	" recent plant	8 1/4"		" " " " " " " "	"	"	"	
9803	" "	"	" "	7 1/4"	F	" " " " " " " "	"	"	"	
9804	" "	Brook	Wild	7 5/8"	M	McDuffy Creek, closed feeder	"	Barton	28	
9805	" "	Brown	Wild recent plant	7 1/4"		Little So. Br. P. M. at East-west road	"	Home	20	
9806	" 27	Brook	Wild	5 3/4"	M	Baldwin Creek	Lake	Newkirk	33	
9807	" "	"	"	6 1/4"	M	" "	"	"	"	Tag not well clinched.
9808	" 28	Brown	"	6 1/8"		Little So. Br. P.M. near Mark's Camp.	Newaygo	Home	8	Very red spots.
9809	" "	"	"	6 1/8"		" " " " " " " "	"	"	"	" " "
9810	" "	"	" recent plant	7"		" " " " " " " "	"	"	"	
9811	" "	"	" "	6 3/16"		" " " " " " " "	"	"	"	
9812	" "	"	" "	7 3/4"		" " " " " " " "	"	"	"	
9813	" "	"	" "	6 1/4"		" " " " " " " "	"	"	"	
9814	" "	"	" "	5 3/4"		" " " " " " " "	"	"	"	
9815	" "	"	" "	6"		" " " " " " " "	"	"	"	Tag not well clinched
9816	" "	"	" "	6 3/4"		" " " " " " " "	"	"	"	
9817	" "	"	" "	6"		" " " " " " " "	"	"	"	
9818	" "	"	" "	7 3/4"		" " " " " " " "	"	"	"	
9819	" "	"	" "	7 1/2"		" " " " " " " "	"	"	"	Tag not well clinched.

Trout tagged 1930
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K

Tag No.	Date tagged	Species	Kind	Length in in:	Sex	Where tagged	County	Township	Sec.	Remarks
9820	July 28	Brown	Wild	7"		Little So. Br. P.M., near Mark's camp	Newaygo	16N, R12W	8	
			Recent plant					Home		
9821	" "	"	Wild	7"		Little So. Br. P.M.	"	Monroe	5	Very red spots.
9822	" "	"	"	7 1/8"		McDuffy Creek, Road near mouth	"	Home	21	
9823	" "	"	"	6 1/8"		" " " " " "	"	"	"	
9824	" "	Brook	"	6 1/8"		" " " " " "	"	"	"	
9825	" "	"	"	6 1/8"		" " " " " "	"	"	"	
9826	" 30	"	"	7 3/4"	M?	McDuffy Creek, closed feeder	"	Barton	31	
9827	" "	"	"	6"	M	" " " " " "	"	"	"	
9828	" "	"	"	6 1/4"	M	" " " " " "	"	"	"	
9829	" "	"	"	5 7/8"	M	" " " " " "	"	"	"	
9830	" "	"	"	9 1/8"	M	" " " " " "	"	"	"	
9831	" "	"	"	5 3/4"	"	" " " " " "	"	"	"	
9832	" "	"	"	11 3/4"	M	" " " " " "	"	"	"	
9833	" "	"	"	5 5/8"	"	Feeder to Midd Br. P.M., Closed	Lake	Chase	8	
9834	" "	"	"	7 9/16"	M	" " " " " Feeder "	"	"	"	
9835	" "	"	"	6"	"	" " " " " "	"	"	"	
9836	" "	"	"	6"	Y?	" " " " " "	"	"	"	
9837	" 31	"	"	10"	"	McDuffy Cr., Closed feeder	Newaygo	Barton	31	
9838	" "	"	"	5 1/4"	M	" " " " " "	"	"	"	
9839	" "	"	"	6 3/8"	F	" " " " " "	"	"	"	
9840	" "	"	"	5 1/2"	"	" " " " " "	"	"	"	
[9841 discarded]										
9842	July 31	"	"	9 1/2"	M	" " " " " "	"	"	"	
9843	" "	"	"	6 1/2"	F	" " " " " "	"	"	"	
9844	" "	"	"	6 1/8"	M	" " " " " "	"	"	"	
9845	" "	"	"	5 1/2"	M	" " " " " "	"	"	"	
9846	" "	"	"	7 1/2"	F	" " " " " "	"	"	"	
9847	" "	"	"	6 7/8"	F	" " " " " "	"	"	"	
9848	" "	"	"	6 1/8"	F	" " " " " "	"	"	"	
9849	" "	Brown Brook	"	6"	F	Little So. Br. P.M., at Mark's camp.	"	Home Barton	8 31	
9850	" "	"	"	6"	"	Little So. Br. P.M., at Mark's camp.	Newaygo	Home	8	
9851	Aug. 2	Rainbow	"	8 7/8"	"	Middle Branch F.M. camp.	Lake	Chase	19	
9852	" "	Brook	"	8 1/2"	M	" " " " " "	Lake	Chase	19	
9853	" "	Rainbow	"	9 1/2"	"	" " " " " "	"	"	"	
9854	Aug. 7	"	"	6 1/2"	"	Little So. Br. P.M., at Mark's Camp	Newaygo	Home	8	

TROUT TAGGED 1930
J. R. Greeley

Tag No.	Date tagged	Species	Kind	Length	Sex	Where tagged	County	Township	Sec.	Remarks
9855	Aug. 4	Brook	Wild	8 1/4"	F.	Baker Creek, Closed feeder	Lake	Yates	32	
[9856 discarded]										
9857	Aug. 4	"	"	8 1/2"	M	" " " "	"	"	"	
9858	"	"	"	9 1/2"	F	" " " "	"	"	"	
9859	"	"	"	8 1/4"	M	" " " "	"	"	"	
9860	"	"	"	10 1/4"	M	" " " "	"	"	"	
9861	"	"	"	9 3/4"	M	" " " "	"	"	"	
9862	"	"	"	9 3/8"	M	" " " "	"	"	"	
9863	"	"	"	9 5/8"	F	" " " "	"	"	"	
9864	"	"	"	8 3/4"	M	" " " "	"	"	"	
9865	"	"	"	8 1/8"	M	" " " "	"	"	"	
9866	"	"	"	7"	M	" " " "	"	"	"	
9867	"	"	"	8 1/4"	M	" " " "	"	"	"	
9868	"	"	"	8 3/4"	F	" " " "	"	"	"	
9869	"	Brown	"	9 1/4"	F	" " " "	"	"	"	
9870	"	Brook	"	9"	M	" " " "	"	"	"	
9871	"	"	"	9 1/2"	M	" " " "	"	"	"	
9872	"	Brown	"	8 1/2"	M	" " " "	"	"	"	
9873	"	Brook	"	9 3/8"	F	" " " "	"	"	"	
9874	"	"	"	7 1/4"	M	" " " "	"	"	"	
9875	"	"	"	9 1/4"	M	" " " "	"	"	"	
9876	"	"	"	8 1/8"	M	" " " "	"	"	"	
9877	"	"	"	6 1/2"	F	" " " "	"	"	"	
9878	"	"	"	7 1/2"	M	" " " "	"	"	"	
9879	"	"	"	10 5/8"	M	" " " "	"	"	"	
9880	"	"	"	7 1/8"	F	" " " "	"	"	"	
9881	"	"	"	9 1/2"	M	" " " "	"	"	"	
9882	"	"	"	9"	M	" " " "	"	"	"	
9883	Aug. 19	Rainbow	Wild	7 1/4"		Little Manistee River	Lake	Eden	30	On fly
9884	" 22	Brook	"	6 3/4"		" " "	"	Peacock	5	