

Open Water Creel Survey Report Estimates for the Tahquamenon River, Luce and Chippewa Counties, 2015

Waterbody	Tahquamenon River
Year	2015
County	Luce County and Chippewa County
Sites	Upper Branch and East Branch Tahquamenon River
Survey period	April 25 to August 31
Survey design	Roving (instantaneous)-access
Count methods/modes	Roving (instantaneous)/shore
Clerk time	Unknown, did not follow a set schedule
Survey purpose	Characterize general effort and catch aspects of the Brook Trout fishery.

Notes

Survey followed a roving (instantaneous)-access design. Funding was provided by the Federal Aid to Sport Fish Restoration Project F-81, Study 230499. One clerk worked as time permitted to collect angling survey data. Two weekend days and 3 week days were randomly selected for sampling during each week of the survey season. No holidays were sampled. One of two shifts was selected each sample day. Tahquamenon River was divided into 2 sections: East Branch Tahquamenon River and the Upper Branch Tahquamenon River. One section was sampled each scheduled day. Starting location within a section and direction of travel were randomized for both counting and interviewing. Roving (instantaneous) counts of shore anglers were made once per day. Survey period for both counts and interviews was April 25 to August 31. Months were estimated separately. “NAN” in a table means there was not enough data to make an estimate.

Table 1.–Daylight hours used to estimate catch and effort at Tahquamenon River, April 25 to August 31, 2015.

Year	Month	Daylight hours
2015	4	13
2015	5	14
2015	6	16
2015	7	16
2015	8	15

Table 2.—Estimated harvest, catch per hour, and fishing pressure for The East Branch Tahquamenon River shore fishery. Two standard errors are given below the estimates.

Species	C/H	April-May	June	July	August	Season
HARVEST						
Brook Trout	0.5254	–	–	–	196	196
	2.5624	–	–	–	NAN	782
TOTAL HARVEST						
	0.5254	–	–	–	196	196
	2.5624	–	–	–	NAN	782
RELEASED						
Brook trout	0.3264	–	–	–	122	122
	1.5921	–	–	–	NAN	486
TOTAL RELEASED						
	0.3264	–	–	–	122	122
	1.5921	–	–	–	NAN	486
TOTAL CATCH						
	0.8518	–	–	–	317	317
	3.4310	–	–	–	NAN	921
ANGLER HOURS						
		–	256	–	116	372
		–	NAN	–	174	1,039
ANGLER TRIPS						
		–	44	–	18	62
		–	NAN	–	32	179

Table 3.—Estimated harvest, catch per hour, and fishing pressure for the Upper Branch Tahquamenon River shore fishery. Two standard errors are given below the estimates.

Species	C/H	April-May	June	July	August	Season
HARVEST						
Brook Trout	1.0492	26	–	–	–	26
	2.9675	51	–	–	–	51
TOTAL HARVEST						
	1.0492	26	–	–	–	26
	2.9675	51	–	–	–	51
RELEASED						
Brook trout	0.7869	19	–	–	–	19
	2.2256	38	–	–	–	38
TOTAL RELEASED						
	0.7869	19	–	–	–	19
	2.2256	38	–	–	–	38
TOTAL CATCH						
	1.8361	45	–	–	–	45
	4.5127	64	–	–	–	64
ANGLER HOURS						
		24	–	–	–	24
		49	–	–	–	49
ANGLER TRIPS						
		8	–	–	–	8
		16	–	–	–	16

Table 4.–Total estimated harvest, catch per hour, and fishing pressure for the East Branch Tahquamenon River and the Upper Branch Tahquamenon River combined. Two standard errors are given below the estimates.

Species	C/H	April-May	June	July	August	Season
HARVEST						
Brook Trout	0.5576	26	–	–	196	221
	2.4585	51	–	–	NAN	784
TOTAL HARVEST	0.5576	26	–	–	196	221
	2.4585	51	–	–	NAN	784
RELEASED						
Brook trout	0.3547	19	–	–	122	141
	1.5415	38	–	–	NAN	488
TOTAL RELEASED	0.3547	19	–	–	122	141
	1.5415	38	–	–	NAN	488
TOTAL CATCH	0.9123	45	–	–	317	362
	3.3376	64	–	–	NAN	923
ANGLER HOURS		24	256	–	116	397
		49	NAN	–	174	1,040
ANGLER TRIPS		8	44	–	18	70
		16	NAN	–	32	180