

Survey Report for Tahquamenon River, Summer, 2013

Waterbody	Tahquamenon River
Year	Summer, 2013
Sites	East Branch and Upper Branch Tahquamenon River
Survey period	April 27 to September 30
Interview type/mode	Access/shore
Count type/mode	Roving/
Clerk time	Full time
Survey purpose	Characterize general effort and catch aspects of the fishery

Notes

Survey followed a roving-access design. All funding was provided through Fisheries Division. One clerk worked full time to collect angling (interview and count) data. Both weekend days and 3 randomly selected weekdays were selected for sampling during each week of the survey season. No holidays were sampled. Clerk followed a randomized count and interview schedule. One of two shifts was selected each sample day. Tahquamenon River was divided into 2 sections: upper branch and east branch. Each section was sampled per day. Starting location within a section and direction of travel were randomized for both counting and interviewing. Two counts of shore anglers were made per day. Survey period for both counts and interviews was April 27 to September 30. Months were estimated separately. Estimates are given in the following tables.

Table –Work shifts used to estimate catch and effort at Tahquamenon River, April 27 to September 30, Summer, 2013

Month	Year	Month	Hrs/Day
1	2013	4	15
2	2013	5	16
3	2013	6	16
4	2013	7	16
5	2013	8	15
6	2013	9	14

Estimated harvest, catch per hour, and fishing pressure for East Branch_shore fishing. Two standard errors are given in parentheses.

Species	C/H	April	May	June	July	August	Sept	Season
HARVEST								
Brook trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
TOTAL HARVEST	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
RELEASED								
Brook trout	0.0269 (0.0603)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	4 (9)	4 (9)
TOTAL RELEASED	0.0269 (0.0603)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	4 (9)	4 (9)
TOTAL CATCH	0.0269 (0.0603)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	4 (9)	4 (9)
ANGLER HOURS		0 (0)	86 (124)	0 (0)	0 (0)	41 (83)	35 (70)	163 (164)
ANGLER TRIPS		0 (0)	22 (31)	0 (0)	0 (0)	10 (21)	9 (17)	41 (41)

Estimated harvest, catch per hour, and fishing pressure for Upper Branch_shore fishing. Two standard errors are given in parentheses.

Species	C/H	April	May	June	July	August	Sept	Season
HARVEST								
Brook trout	0.0488 (0.0543)	0 (0)	49 (51)	0 (0)	0 (0)	0 (0)	0 (0)	49 (51)
TOTAL HARVEST	0.0488 (0.0543)	0 (0)	49 (51)	0 (0)	0 (0)	0 (0)	0 (0)	49 (51)
RELEASED								
Brook trout	0.2905 (0.2062)	0 (0)	68 (97)	0 (0)	121 (109)	77 (80)	25 (50)	291 (173)
TOTAL RELEASED	0.2905 (0.2062)	0 (0)	68 (97)	0 (0)	121 (109)	77 (80)	25 (50)	291 (173)
TOTAL CATCH	0.3393 (0.2229)	0 (0)	117 (110)	0 (0)	121 (109)	77 (80)	25 (50)	340 (181)
ANGLER HOURS		30 (60)	302 (230)	287 (228)	214 (151)	133 (116)	37 (75)	1,002 (387)
ANGLER TRIPS		3 (6)	109 (90)	109 (89)	60 (44)	43 (40)	25 (50)	349 (149)

Estimated harvest, catch per hour, and fishing pressure for East and Upper branches combined shore fishing. Two standard errors are given in parentheses.

Species	C/H	April	May	June	July	August	Sept	Season
HARVEST								
Brook trout	0.0488 (0.0543)	0 (0)	49 (51)	0 (0)	0 (0)	0 (0)	0 (0)	49 (51)
TOTAL HARVEST	0.0488 (0.0543)	0 (0)	49 (51)	0 (0)	0 (0)	0 (0)	0 (0)	49 (51)
RELEASED								
Brook trout	0.2905 (0.2062)	0 (0)	68 (97)	0 (0)	121 (109)	77 (80)	29 (55)	295 (181)
TOTAL RELEASED	0.2905 (0.2062)	0 (0)	68 (97)	0 (0)	121 (109)	77 (80)	25 (50)	291 (173)
TOTAL CATCH	0.3393 (0.2229)	0 (0)	117 (110)	0 (0)	121 (109)	77 (80)	25 (50)	340 (181)
ANGLER HOURS		30 (60)	388 (350)	287 (228)	214 (151)	174 (182)	72 (139)	1,165 (531)
ANGLER TRIPS		3 (6)	131 (120)	109 (89)	60 (44)	53 (57)	34 (63)	390 (191)