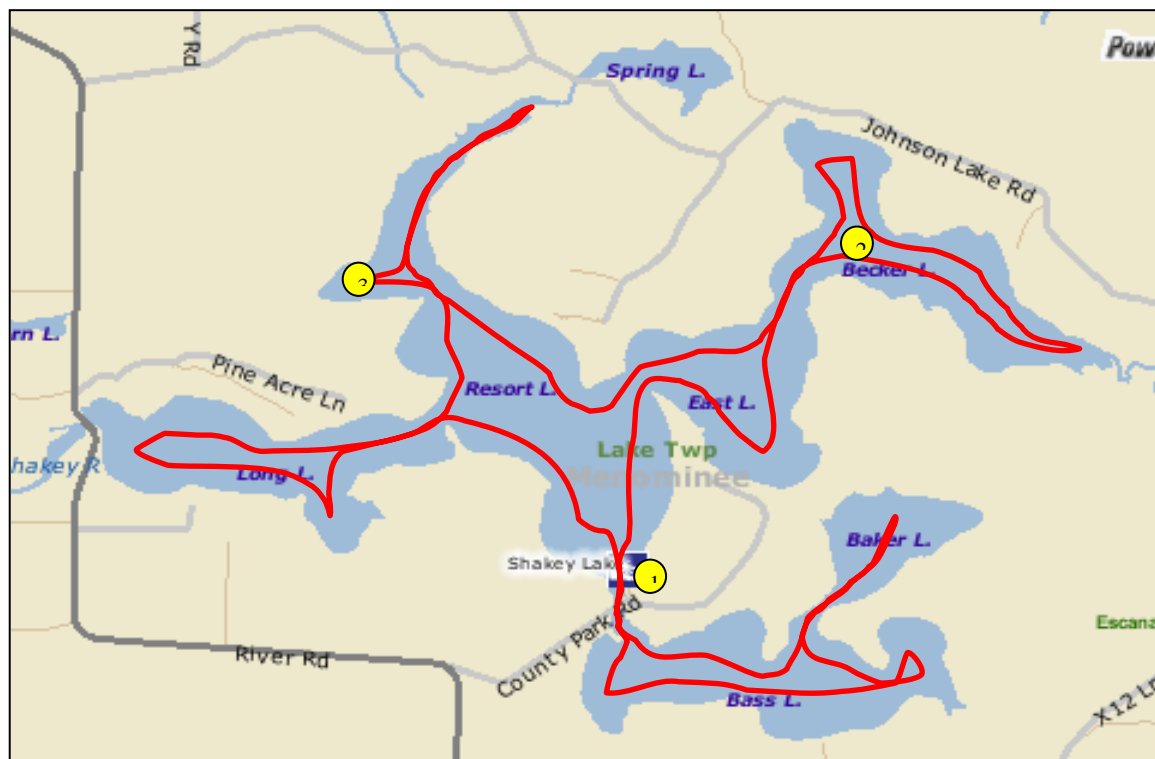


Survey Report for Shakey Lakes, Menominee, Summer, 2007

Waterbody	SHAKEY LAKES
Year	Summer, 2007
County	Menominee
Sites	"Shakey Lakes"
Survey period	May 1 to September 30
Survey design	Roving-roving (roving counts and interviews)
Interview type/mode	roving/boat, shore
Count type/mode	aerial, progressive/boat and shore
Clerk time	full time
Survey purpose	Characterize general effort and catch aspects of the fishery

Notes

Survey followed a roving-roving (roving counts and interviews) design. All funding was provided through Fisheries Division. One clerk worked full time to collect angler survey 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. The entire water body was sampled each day. Starting location within the waterbody and direction of travel were randomized for both counting and interviewing. aerial, progressive counts of boat and shore anglers were made once per day. Survey period for both counts and interviews was May 1 to September 30. Months were estimated separately. Estimates are given in Tables xxx.



Estimated harvest, catch per hour, and fishing pressure for Shakey Lakes, boat. Two standard errors are given in parentheses.

Species	C/H	May	June	July	August	September	Season
HARVEST							
Northern pike	0.0006 (0.0009)	0 (0)	0 (0)	4 (9)	0 (0)	4 (8)	8 (12)
Largemouth bass	0.0009 (0.0011)	0 (0)	5 (9)	0 (0)	8 (11)	0 (0)	12 (14)
Smallmouth bass	0.0040 (0.0031)	0 (0)	19 (23)	8 (15)	15 (22)	12 (18)	53 (40)
Yellow Perch	0.0116 (0.0079)	91 (82)	27 (35)	35 (48)	0 (0)	0 (0)	153 (101)
Bluegill	0.8337 (0.2622)	3,651 (2,086)	4,610 (1,643)	1,742 (743)	686 (419)	328 (267)	11,018 (2,801)
Pumpkinseed	0.0011 (0.0023)	0 (0)	0 (0)	0 (0)	15 (31)	0 (0)	15 (31)
Rock bass	0.0007 (0.0011)	10 (15)	0 (0)	0 (0)	0 (0)	0 (0)	10 (15)
Black crappie	0.0226 (0.0134)	161 (132)	75 (70)	13 (19)	0 (0)	49 (75)	299 (168)
TOTAL HARVEST	0.8753 (0.2673)	3,913 (2,092)	4,735 (1,645)	1,802 (745)	724 (421)	393 (278)	11,568 (2,809)
RELEASED							
Northern pike	0.0495 (0.0224)	101 (95)	141 (107)	93 (71)	234 (206)	85 (71)	654 (271)
Largemouth bass	0.0089 (0.0053)	3 (7)	5 (11)	13 (15)	33 (28)	64 (58)	118 (67)
Smallmouth bass	0.1005 (0.0323)	168 (126)	342 (189)	479 (214)	204 (108)	136 (115)	1,329 (350)
Yellow Perch	0.0084 (0.0084)	26 (40)	0 (0)	0 (0)	12 (25)	72 (99)	111 (109)
Bluegill	0.6138 (0.1900)	63 (70)	3,136 (1,335)	2,637 (1,086)	1,871 (990)	406 (317)	8,112 (2,012)
Rock bass	0.0003 (0.0007)	4 (9)	0 (0)	0 (0)	0 (0)	0 (0)	4 (9)
Black crappie	0.0010 (0.0016)	10 (20)	0 (0)	0 (0)	0 (0)	3 (7)	13 (21)
OTH1	0.0003 (0.0007)	0 (0)	0 (0)	4 (9)	0 (0)	0 (0)	4 (9)
TOTAL RELEASED	0.7828 (0.2131)	375 (179)	3,624 (1,353)	3,226 (1,110)	2,355 (1,018)	766 (363)	10,345 (2,064)
TOTAL CATCH	1.6582 (0.4047)	4,288 (2,099)	8,359 (2,129)	5,028 (1,337)	3,079 (1,102)	1,159 (457)	21,913 (3,486)
ANGLER HOURS		2,625 (1,384)	4,713 (1,425)	3,237 (1,060)	1,766 (710)	875 (641)	13,215 (2,446)
ANGLER TRIPS		697 (377)	1,320 (419)	906 (306)	545 (235)	264 (196)	3,732 (711)

Estimated harvest, catch per hour, and fishing pressure for Shakey Lakes, shore. Two standard errors are given in parentheses.

Species	C/H	May	June	July	August	September	Season
HARVEST							
Northern pike	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Largemouth bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Smallmouth bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Yellow Perch	0.0018 (0.0036)	0 (0)	0 (0)	8 (16)	0 (0)	0 (0)	8 (16)
Bluegill	0.4174 (0.2056)	925 (629)	486 (369)	274 (202)	120 (210)	0 (0)	1,805 (785)
Pumpkinseed	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Rock bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Black crappie	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
TOTAL HARVEST	0.4192 (0.2059)	925 (629)	486 (369)	282 (203)	120 (210)	0 (0)	1,813 (785)
RELEASED							
Northern pike	0.0014 (0.0027)	0 (0)	0 (0)	6 (12)	0 (0)	0 (0)	6 (12)
Largemouth bass	0.0025 (0.0047)	0 (0)	0 (0)	0 (0)	10 (20)	1 (2)	11 (20)
Smallmouth bass	0.0109 (0.0091)	6 (12)	20 (30)	13 (16)	5 (7)	3 (5)	47 (38)
Yellow Perch	0.0014 (0.0027)	0 (0)	0 (0)	6 (12)	0 (0)	0 (0)	6 (12)
Bluegill	0.2511 (0.1173)	45 (89)	395 (282)	555 (316)	90 (83)	2 (5)	1,086 (441)
Rock bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Black crappie	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
OTH1	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
TOTAL RELEASED	0.2673 (0.1197)	51 (90)	415 (284)	580 (317)	105 (86)	6 (7)	1,156 (443)
TOTAL CATCH	0.6865 (0.2621)	976 (635)	901 (466)	861 (376)	225 (227)	6 (7)	2,969 (902)
ANGLER HOURS		1,036 (504)	1,411 (592)	1,269 (477)	520 (369)	88 (176)	4,324 (1,000)
ANGLER TRIPS		632 (363)	715 (291)	487 (212)	206 (143)	41 (85)	2,081 (538)

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

Species	C/H	May	June	July	August	September	Season
HARVEST							
Northern pike	0.0005 (0.0007)	0 (0)	0 (0)	4 (9)	0 (0)	4 (8)	8 (12)
Largemouth bass	0.0007 (0.0008)	0 (0)	5 (9)	0 (0)	8 (11)	0 (0)	12 (14)
Smallmouth bass	0.0030 (0.0023)	0 (0)	19 (23)	8 (15)	15 (22)	12 (18)	53 (40)
Yellow Perch	0.0092 (0.0060)	91 (82)	27 (35)	42 (50)	0 (0)	0 (0)	161 (102)
Bluegill	0.7311 (0.1991)	4,576 (2,179)	5,096 (1,684)	2,016 (770)	807 (469)	328 (267)	12,823 (2,909)
Pumpkinseed	0.0009 (0.0017)	0 (0)	0 (0)	0 (0)	15 (31)	0 (0)	15 (31)
Rock bass	0.0005 (0.0009)	10 (15)	0 (0)	0 (0)	0 (0)	0 (0)	10 (15)
Black crappie	0.0170 (0.0099)	161 (132)	75 (70)	13 (19)	0 (0)	49 (75)	299 (168)
TOTAL HARVEST	0.7629 (0.2022)	4,838 (2,184)	5,221 (1,686)	2,083 (772)	845 (470)	393 (278)	13,380 (2,917)
RELEASED							
Northern pike	0.0376 (0.0164)	101 (95)	141 (107)	99 (72)	234 (206)	85 (71)	660 (271)
Largemouth bass	0.0074 (0.0041)	3 (7)	5 (11)	13 (15)	43 (34)	65 (58)	129 (70)
Smallmouth bass	0.0784 (0.0233)	175 (126)	362 (192)	492 (214)	209 (108)	138 (115)	1,376 (352)
Yellow Perch	0.0066 (0.0063)	26 (40)	0 (0)	6 (12)	12 (25)	72 (99)	117 (110)
Bluegill	0.5244 (0.1415)	107 (114)	3,530 (1,364)	3,191 (1,131)	1,961 (994)	408 (317)	9,198 (2,060)
Rock bass	0.0002 (0.0005)	4 (9)	0 (0)	0 (0)	0 (0)	0 (0)	4 (9)
Black crappie	0.0008 (0.0012)	10 (20)	0 (0)	0 (0)	0 (0)	3 (7)	13 (21)
OTH1	0.0002 (0.0005)	0 (0)	0 (0)	4 (9)	0 (0)	0 (0)	4 (9)
TOTAL RELEASED	0.6557 (0.1557)	426 (200)	4,039 (1,382)	3,806 (1,154)	2,459 (1,022)	772 (363)	11,501 (2,111)
TOTAL CATCH	1.4186 (0.2964)	5,264 (2,193)	9,260 (2,180)	5,889 (1,389)	3,304 (1,125)	1,165 (457)	24,882 (3,600)
ANGLER HOURS		3,661 (1,473)	6,124 (1,543)	4,506 (1,162)	2,286 (800)	963 (664)	17,539 (2,643)
ANGLER TRIPS		1,329 (524)	2,035 (511)	1,393 (372)	751 (275)	305 (213)	5,813 (892)