

## **Survey Report for Glen and Fisher Lakes, Leelanau County, Summer, 2008**

<b>Waterbody</b>	Glen and Fisher Lakes
<b>Year</b>	Summer, 2008
<b>County</b>	Leelanau County
<b>Sites</b>	Glen, Fisher
<b>Survey period</b>	May 10 to September 30
<b>Survey design</b>	Roving-roving (roving counts and interviews)
<b>Interview type/mode</b>	access and roving/boat and shore
<b>Count type/mode</b>	roving/boat and shore
<b>Clerk time</b>	full time
<b>Survey purpose</b>	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 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 Glen Lake was divided into 2 sections: Fisher, and Glen. Each section was sampled per day. Starting location within a section and direction of travel were randomized for both counting and interviewing. Counts of anglers were made once per day. Survey period for both counts and interviews was May 10 to September 30. Months were estimated separately. Estimates are given in the following tables.

GLEN LAKE / FISHER LAKE  
 2008 Creel Survey Schedule  
 Central Lake Michigan Management Unit

<b>Work shifts</b>	<b>A-April 26th through Sept</b>	<b>6:00am to 2:30pm</b>
	<b>B-April</b>	<b>11:30am to 8:00pm</b>
	May & September	12:30am to 9:00pm
	June & August	1:30pm to 10:00pm
	July	2:30pm to 11:00pm

NOTE: When an A-shift is scheduled to follow B-shift the pervious day ending at 9, 10, or 11, that A-shift will start at 8:00am and run to 4:30pm AS LONG AS the scheduling program has not randomly assigned a count for 6 or 7 am. If a count has been assigned to these early hours of an A-shift, the work day will be 6:00am to 2:30pm regardless of the previous day's schedule. A-shifts that are to be delayed will be denoted by a “\*\*\*\*” next to the date on your schedule.

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## SITE DESCRIPTION

This survey consists of two distinct sites: Glen Lake (both basins) and Fisher Lake. All count and interview data is to be recorded separately for each site. A description of each lake follows:

**Site 1: Glen Lake** – The Glen Lake site includes both the east and west basins of the lake that are separated by the US 22 bridge. The eastern basin includes all the water until the outlet to Fisher Lake. Three of the four starting locations along the mapped route are in Glen Lake; #1 is at the west end of the western basin, #2 is in the eastern basin as soon as you exit the narrows separating the two basins, and #3 is in the eastern basin half way up the east shore (see map included w/ schedule).

NOTE: For starting location #3, at the beginning of the season pick a shoreline land marker (house, point, etc.) in the general vicinity of the mapped location and designate it as the actual starting location. Be consistent throughout the remained of the season, once the land marked is decided start at that location as scheduled.

**Site 2: Fisher Lake** – The Fisher Lake site includes a north and south basin (sometimes referred to locally as the “Big” and “Little” Fisher lakes). Include the inlet from Glen Lake until the formation of the outlet river at the north end of the “Little” Fisher Lake (see map included w/ schedule).

**Count Instructions** – At the scheduled count time, stop taking interviews and start a count from your current location. Follow the mapped route in the direction scheduled for that day (clockwise or counter clockwise) and count all fishing boats and individual shore anglers.

Record all count information on your PDA. When you have completed a loop and are back to where you started your count, resume conducting interviews.

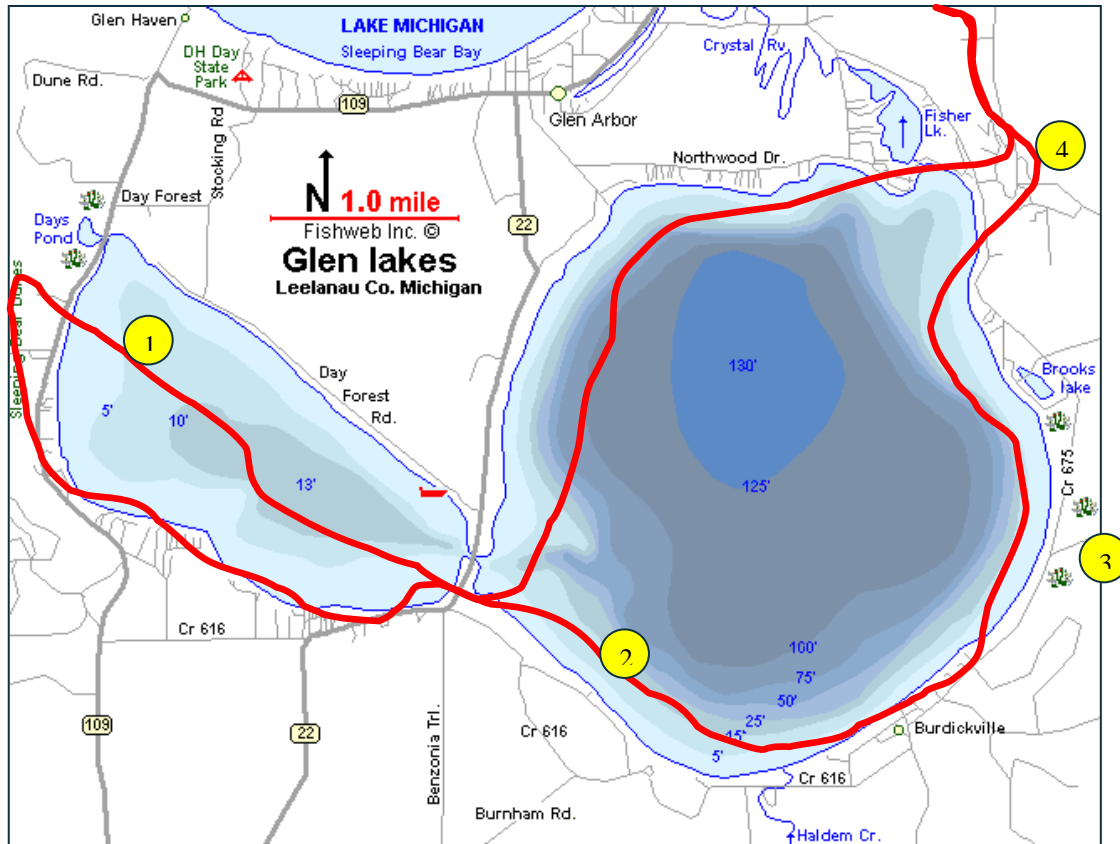


Table –Work shifts used to estimate catch and effort at Glen and Fisher Lakes, May 10 to September 30, Summer, 2008

Year	Month	Hrs/day
2008	4	14
2008	5	15
2008	6	16
2008	7	17
2008	8	16
2008	9	15

Estimated harvest, catch per hour, and fishing pressure for Fisher Lake - boat. Two standard errors are given in parentheses.

Species	C/H	May	June	July	August	September	Season	Win C/H	Win Season	Sum C/H	Sum Season
HARVEST											
Northern pike	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Smallmouth bass	0.0306 (0.0633)	0 (0)	0 (0)	31 (61)	0 (0)	0 (0)	31 (61)	NAN (0)	0 (0)	0.0306 (0.0633)	31 (61)
Yellow Perch	0.1241 (0.2565)	0 (0)	0 (0)	0 (0)	124 (248)	0 (0)	124 (248)	NAN (0)	0 (0)	0.1241 (0.2565)	124 (248)
Bluegill	0.2301 (0.2553)	0 (0)	91 (151)	139 (167)	0 (0)	0 (0)	230 (225)	NAN (0)	0 (0)	0.2301 (0.2553)	230 (225)
Rock bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Rainbow trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Common white sucker	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Lake trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Cisco	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
TOTAL HARVEST	0.3849 (0.3953)	0 (0)	91 (151)	169 (178)	124 (248)	0 (0)	385 (341)	NAN (0.0000)	0 (0)	0.3849 (0.3953)	385 (341)
RELEASED											
Northern pike	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Largemouth bass	0.0786 (0.0946)	0 (0)	0 (0)	56 (72)	23 (46)	0 (0)	79 (85)	NAN (0)	0 (0)	0.0786 (0.0946)	79 (85)
Smallmouth bass	0.0792 (0.1091)	0 (0)	0 (0)	33 (42)	46 (92)	0 (0)	79 (101)	NAN (0)	0 (0)	0.0792 (0.1091)	79 (101)
Yellow Perch	0.2431 (0.4118)	0 (0)	0 (0)	0 (0)	243 (392)	0 (0)	243 (392)	NAN (0)	0 (0)	0.2431 (0.4118)	243 (392)
Bluegill	0.3116 (0.3449)	0 (0)	9 (18)	145 (211)	157 (218)	0 (0)	311 (304)	NAN (0)	0 (0)	0.3116 (0.3449)	311 (304)
Rock bass	0	0	0	0	0	0	0	NAN	0	0	0

	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Rainbow trout	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Common white sucker	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Lake trout	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Cisco	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
TOTAL RELEASED	0.7125	0	9	234	469	0	712	NAN	0	0.7125	712
	(0.6332)	(0)	(18)	(227)	(460)	(0)	(513)	(0.0000)	(0)	NAN	(513)
TOTAL CATCH	1.0974	0	101	403	593	0	1,097	NAN	0	1.0974	1,097
	(0.8397)	(0)	(152)	(288)	(523)	(0)	(616)	(0)	(0)	NAN	(616)
ANGLER HOURS		69	80	638	212	0	999		0		999
		NAN	(128)	(503)	NAN	(0)	(519)		(0)		(NAN)
ANGLER TRIPS		NAN	NAN	NAN	NAN	0	0		0		NAN
		NAN	NAN	NAN	NAN	(0)	(0)		(0)		(NAN)

Estimated harvest, catch per hour, and fishing pressure for Fisher Lake - shore. Two standard errors are given in parentheses.

Species	C/H	May	June	July	August	September	Season	Win C/H	Win Season	Sum C/H	Sum Season
HARVEST											
Northern pike	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Smallmouth bass	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Yellow Perch	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Bluegill	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Rock bass	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Rainbow trout	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Common white sucker	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Lake trout	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Cisco	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
TOTAL HARVEST	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
RELEASED											
Northern pike	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Largemouth bass	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Smallmouth bass	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Yellow Perch	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Bluegill	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Rock bass	0	0	0	0	0	0	0	NAN	0	0	0

	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Rainbow trout	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Common white sucker	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Lake trout	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Cisco	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
TOTAL RELEASED	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
TOTAL CATCH	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
ANGLER HOURS		0	16	25	26	0	67		0		67
		(0)	(32)	(50)	(52)	(0)	(79)		(0)		(79)
ANGLER TRIPS		0	NAN	NAN	NAN	0	0		0		INF
		(0)	NAN	NAN	NAN	(0)	(0)		(0)		(NAN)

Estimated harvest, catch per hour, and fishing pressure for Glen Lake- boat. Two standard errors are given in parentheses.

Species	C/H	May	June	July	August	September	Season	Win C/H	Win Season	Sum C/H	Sum Season
HARVEST											
Northern pike	0.0000 (0.0001)	0 (0)	0 (1)	0 (0)	0 (0)	0 (0)	0 (1)	NAN (0)	0 (0)	0.0000 (0.0001)	0 (1)
Smallmouth bass	0.0062 (0.0058)	65 (70)	7 (9)	4 (7)	0 (0)	3 (4)	78 (71)	NAN (0)	0 (0)	0.0062 (0.0058)	78 (71)
Yellow Perch	1.1261 (0.4066)	1,827 (1,498)	236 (206)	1,842 (1,271)	4,651 (2,205)	5,511 (2,882)	14,066 (4,132)	NAN (0)	0 (0)	1.1261 (0.4066)	14,066 (4,132)
Bluegill	0.0190 (0.0188)	0 (0)	0 (0)	0 (0)	0 (0)	237 (229)	237 (229)	NAN (0)	0 (0)	0.0190 (0.0188)	237 (229)
Rock bass	0.0108 (0.0082)	4 (8)	2 (4)	4 (7)	35 (39)	90 (90)	135 (99)	NAN (0)	0 (0)	0.0108 (0.0082)	135 (99)
Rainbow trout	0.0071 (0.0049)	44 (46)	1 (2)	36 (33)	1 (3)	6 (9)	89 (58)	NAN (0)	0 (0)	0.0071 (0.0049)	89 (58)
Common white sucker	0.0017 (0.0028)	21 (35)	0 (0)	0 (0)	0 (0)	0 (0)	21 (35)	NAN (0)	0 (0)	0.0017 (0.0028)	21 (35)
Lake trout	0.0019 (0.0018)	0 (0)	2 (3)	14 (20)	7 (7)	0 (0)	23 (22)	NAN (0)	0 (0)	0.0019 (0.0018)	23 (22)
Cisco	0.0015 (0.0023)	0 (0)	0 (0)	0 (0)	0 (0)	19 (28)	19 (28)	NAN (0)	0 (0)	0.0015 (0.0023)	19 (28)
TOTAL HARVEST	1.1744 (0.4132)	1,960 (1,501)	248 (206)	1,899 (1,272)	4,695 (2,205)	5,866 (2,893)	14,668 (4,141)	NAN (0.0000)	0 (0)	1.1744 (0.4132)	14,668 (4,141)
RELEASED											
Northern pike	0.0009 (0.0012)	0 (0)	2 (3)	0 (0)	10 (14)	0 (0)	12 (14)	NAN (0)	0 (0)	0.0009 (0.0012)	12 (14)
Largemouth bass	0.0056 (0.0039)	21 (22)	1 (0)	23 (31)	21 (25)	4 (6)	70 (46)	NAN (0)	0 (0)	0.0056 (0.0039)	70 (46)
Smallmouth bass	0.0488 (0.0246)	133 (120)	30 (34)	114 (107)	31 (27)	301 (224)	609 (280)	NAN (0)	0 (0)	0.0488 (0.0246)	609 (280)
Yellow Perch	0.7790 (0.3233)	2,932 (2,398)	53 (55)	741 (573)	2,776 (1,707)	3,228 (1,770)	9,729 (3,483)	NAN (0)	0 (0)	0.7790 (0.3233)	9,729 (3,483)
Bluegill	0.0268 (0.0188)	0 (0)	0 (0)	7 (11)	145 (179)	182 (134)	335 (224)	NAN (0)	0 (0)	0.0268 (0.0188)	335 (224)
Rock bass	0.0927	4	2	18	339	795	1,158	NAN	0	0.0927	1,158



	(0.0477)	(8)	(3)	(21)	(274)	(469)	(543)	(0)	(0)	(0.0477)	(543)
Rainbow trout	0.0061	69	0	0	0	7	77	NAN	0	0.0061	77
	(0.0074)	(90)	(0)	(0)	(0)	(15)	(91)	(0)	(0)	(0.0074)	(91)
Common white sucker	0.0076	79	0	0	0	16	95	NAN	0	0.0076	95
	(0.0096)	(117)	(0)	(0)	(0)	(17)	(118)	(0)	(0)	(0.0096)	(118)
Lake trout	0.0001	0	1	0	0	0	1	NAN	0	0.0001	1
	(0.0002)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0.0002)	(2)
Cisco	0.0007	0	0	0	0	8	8	NAN	0	0.0007	8
	(0.0012)	(0)	(0)	(0)	(0)	(15)	(15)	(0)	(0)	(0.0012)	(15)
TOTAL RELEASED	0.9683	3,239	88	903	3,321	4,543	12,094	NAN	0	0.9683	12,094
	(0.3492)	(2,406)	(65)	(584)	(1,738)	(1,849)	(3,546)	(0.0000)	(0)	(0.3492)	(3,546)
TOTAL CATCH	2.1426	5,199	336	2,802	8,016	10,409	26,762	NAN	0	2.1426	26,762
	(0.6269)	(2,835)	(216)	(1,400)	(2,808)	(3,434)	(5,452)	(0)	(0)	(0.6269)	(5,452)
ANGLER HOURS		1,170	1,839	3,263	3,540	2,678	12,490		0		12,490
		(655)	(1,117)	(1,495)	(1,269)	(1,166)	(2,623)		(0)		(2,623)
ANGLER TRIPS		267	36	395	529	385	1,613		0		1,613
		(153)	(42)	(254)	(271)	(207)	(454)		(0)		(454)

Estimated harvest, catch per hour, and fishing pressure for Glen Lake -shore. Two standard errors are given in parentheses.

Species	C/H	May	June	July	August	September	Season	Win C/H	Win Season	Sum C/H	Sum Season
HARVEST											
Northern pike	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Smallmouth bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Yellow Perch	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Bluegill	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Rock bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Rainbow trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Common white sucker	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Lake trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Cisco	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
TOTAL HARVEST	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
RELEASED											
Northern pike	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Largemouth bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Smallmouth bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Yellow Perch	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Bluegill	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Rock bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)

	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Rainbow trout	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Common white sucker	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Lake trout	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Cisco	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
TOTAL RELEASED	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
TOTAL CATCH	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
ANGLER HOURS		139	232	564	258	17	1,209		0		1,209
		(114)	(232)	(456)	(276)	(34)	(593)		(0)		(593)
ANGLER TRIPS		8	13	32	15	1	69		0		69
		(10)	(20)	(46)	(27)	(2)	(58)		(0)		(58)

Estimated harvest, catch per hour, and fishing pressure for Fisher Lake – all modes. Two standard errors are given in parentheses.

Species	C/H	May	June	July	August	September	Season	Win C/H	Win Season	Sum C/H	Sum Season
HARVEST											
Northern pike	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Smallmouth bass	0.0287 (0.0591)	0 (0)	0 (0)	31 (61)	0 (0)	0 (0)	31 (61)	NAN (0)	0 (0)	0.0287 (0.0591)	31 (61)
Yellow Perch	0.1164 (0.2396)	0 (0)	0 (0)	0 (0)	124 (248)	0 (0)	124 (248)	NAN (0)	0 (0)	0.1164 (0.2396)	124 (248)
Bluegill	0.2157 (0.2364)	0 (0)	91 (151)	139 (167)	0 (0)	0 (0)	230 (225)	NAN (0)	0 (0)	0.2157 (0.2364)	230 (225)
Rock bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Rainbow trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Common white sucker	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Lake trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Cisco	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
TOTAL HARVEST	0.3608 (0.3653)	0 (0)	91 (151)	169 (178)	124 (248)	0 (0)	385 (341)	NAN (0.0000)	0 (0)	0.3608 (0.3653)	385 (341)
RELEASED											
Northern pike	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Largemouth bass	0.0736 (0.0878)	0 (0)	0 (0)	56 (72)	23 (46)	0 (0)	79 (85)	NAN (0)	0 (0)	0.0736 (0.0878)	79 (85)
Smallmouth bass	0.0743 (0.1015)	0 (0)	0 (0)	33 (42)	46 (92)	0 (0)	79 (101)	NAN (0)	0 (0)	0.0743 (0.1015)	79 (101)
Yellow Perch	0.2279 (0.3840)	0 (0)	0 (0)	0 (0)	243 (392)	0 (0)	243 (392)	NAN (0)	0 (0)	0.2279 (0.3840)	243 (392)
Bluegill	0.2921 (0.3194)	0 (0)	9 (18)	145 (211)	157 (218)	0 (0)	311 (304)	NAN (0)	0 (0)	0.2921 (0.3194)	311 (304)
Rock bass	0	0	0	0	0	0	0	NAN	0	0	0

	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Rainbow trout	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Common white sucker	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Lake trout	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Cisco	0	0	0	0	0	0	0	NAN	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
TOTAL RELEASED	0.6679	0	9	234	469	0	712	NAN	0	0.6679	712
	(0.5823)	(0)	(18)	(227)	(460)	(0)	(513)	(0.0000)	(0)	NAN	(513)
TOTAL CATCH	1.0287	0	101	403	593	0	1,097	NAN	0	1.0287	1,097
	(0.7669)	(0)	(152)	(288)	(523)	(0)	(616)	(0)	(0)	NAN	(616)
ANGLER HOURS		69	96	663	238	0	1,066		0		1,066
		NAN	(132)	(505)	NAN	(0)	(522)		(0)		(NAN)
ANGLER TRIPS		NAN	NAN	NAN	NAN	0	0		0		NAN
		NAN	NAN	NAN	NAN	(0)	(0)		(0)		(NAN)

Estimated harvest, catch per hour, and fishing pressure for Glen Lake – all modes. Two standard errors are given in parentheses.

Species	C/H	May	June	July	August	September	Season	Win C/H	Win Season	Sum C/H	Sum Season
HARVEST											
Northern pike	0.0000 (0.0001)	0 (0)	0 (1)	0 (0)	0 (0)	0 (0)	0 (1)	NAN (0)	0 (0)	0.0000 (0.0001)	0 (1)
Smallmouth bass	0.0057 (0.0053)	65 (70)	7 (9)	4 (7)	0 (0)	3 (4)	78 (71)	NAN (0)	0 (0)	0.0057 (0.0053)	78 (71)
Yellow Perch	1.0267 (0.3627)	1,827 (1,498)	236 (206)	1,842 (1,271)	4,651 (2,205)	5,511 (2,882)	14,066 (4,132)	NAN (0)	0 (0)	1.0267 (0.3627)	14,066 (4,132)
Bluegill	0.0173 (0.0171)	0 (0)	0 (0)	0 (0)	0 (0)	237 (229)	237 (229)	NAN (0)	0 (0)	0.0173 (0.0171)	237 (229)
Rock bass	0.0098 (0.0075)	4 (8)	2 (4)	4 (7)	35 (39)	90 (90)	135 (99)	NAN (0)	0 (0)	0.0098 (0.0075)	135 (99)
Rainbow trout	0.0065 (0.0044)	44 (46)	1 (2)	36 (33)	1 (3)	6 (9)	89 (58)	NAN (0)	0 (0)	0.0065 (0.0044)	89 (58)
Common white sucker	0.0015 (0.0026)	21 (35)	0 (0)	0 (0)	0 (0)	0 (0)	21 (35)	NAN (0)	0 (0)	0.0015 (0.0026)	21 (35)
Lake trout	0.0017 (0.0016)	0 (0)	2 (3)	14 (20)	7 (7)	0 (0)	23 (22)	NAN (0)	0 (0)	0.0017 (0.0016)	23 (22)
Cisco	0.0014 (0.0021)	0 (0)	0 (0)	0 (0)	0 (0)	19 (28)	19 (28)	NAN (0)	0 (0)	0.0014 (0.0021)	19 (28)
TOTAL HARVEST	1.0707 (0.3681)	1,960 (1,501)	248 (206)	1,899 (1,272)	4,695 (2,205)	5,866 (2,893)	14,668 (4,141)	NAN (0.0000)	0 (0)	1.0707 (0.3681)	14,668 (4,141)
RELEASED											
Northern pike	0.0008 (0.0011)	0 (0)	2 (3)	0 (0)	10 (14)	0 (0)	12 (14)	NAN (0)	0 (0)	0.0008 (0.0011)	12 (14)
Largemouth bass	0.0051 (0.0035)	21 (22)	1 (0)	23 (31)	21 (25)	4 (6)	70 (46)	NAN (0)	0 (0)	0.0051 (0.0035)	70 (46)
Smallmouth bass	0.0445 (0.0222)	133 (120)	30 (34)	114 (107)	31 (27)	301 (224)	609 (280)	NAN (0)	0 (0)	0.0445 (0.0222)	609 (280)
Yellow Perch	0.7102 (0.2899)	2,932 (2,398)	53 (55)	741 (573)	2,776 (1,707)	3,228 (1,770)	9,729 (3,483)	NAN (0)	0 (0)	0.7102 (0.2899)	9,729 (3,483)
Bluegill	0.0244 (0.0170)	0 (0)	0 (0)	7 (11)	145 (179)	182 (134)	335 (224)	NAN (0)	0 (0)	0.0244 (0.0170)	335 (224)
Rock bass	0.0845	4	2	18	339	795	1,158	NAN	0	0.0845	1,158

	(0.0430)	(8)	(3)	(21)	(274)	(469)	(543)	(0)	(0)	(0.0430)	(543)
Rainbow trout	0.0056	69	0	0	0	7	77	NAN	0	0.0056	77
	(0.0068)	(90)	(0)	(0)	(0)	(15)	(91)	(0)	(0)	(0.0068)	(91)
Common white sucker	0.0069	79	0	0	0	16	95	NAN	0	0.0069	95
	(0.0087)	(117)	(0)	(0)	(0)	(17)	(118)	(0)	(0)	(0.0087)	(118)
Lake trout	0.0001	0	1	0	0	0	1	NAN	0	0.0001	1
	(0.0002)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0.0002)	(2)
Cisco	0.0006	0	0	0	0	8	8	NAN	0	0.0006	8
	(0.0011)	(0)	(0)	(0)	(0)	(15)	(15)	(0)	(0)	(0.0011)	(15)
TOTAL RELEASED	0.8828	3,239	88	903	3,321	4,543	12,094	NAN	0	0.8828	12,094
	(0.3115)	(2,406)	(65)	(584)	(1,738)	(1,849)	(3,546)	(0.0000)	(0)	(0.3115)	(3,546)
TOTAL CATCH	1.9535	5,199	336	2,802	8,016	10,409	26,762	NAN	0	1.9535	26,762
	(0.5526)	(2,835)	(216)	(1,400)	(2,808)	(3,434)	(5,452)	(0)	(0)	(0.5526)	(5,452)
ANGLER HOURS		1,308	2,071	3,827	3,798	2,695	13,700		0		13,700
		(665)	(1,140)	(1,563)	(1,298)	(1,166)	(2,689)		(0)		(2,689)
ANGLER TRIPS		275	49	427	544	386	1,682		0		1,682
		(153)	(46)	(258)	(273)	(207)	(458)		(0)		(458)