

## Survey Report for Gun Lake, Summer, 2014

<b>Waterbody</b>	Gun Lake
<b>Year</b>	Summer, 2014
<b>Sites</b>	Gun Lake –East and Gun Lake -West
<b>Survey period</b>	May 1 to September 30
<b>Survey design</b>	Roving – roving
<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 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. Gun Lake was divided into 2 sections: Gun Lake – East and Gun Lake - West. One section was sampled per day. Starting location within a section and direction of travel were randomized for both counting and interviewing. Two counts of boat and shore anglers were made per day. Survey period for both counts and interviews was May 1 to September 30. Months were estimated separately. Estimates are given in the following tables.

Table –Work shifts used to estimate catch and effort at GUNLAKE, May 1 to September 30, Summer, 2014

	<b>Year</b>	<b>Month</b>	<b>Hours/day</b>
1	2014	5	17
2	2014	6	18
3	2014	7	18
4	2014	8	17
5	2014	9	16

Estimated harvest, catch per hour, and fishing pressure for Gun Lake – East, boat mode. Two standard errors are given in parentheses.

Species	C/H	May	June	July	August	Sept	Season
<b>HARVEST</b>							
Walleye	0.0129 (0.0079)	19 (38)	103 (109)	157 (135)	15 (25)	48 (57)	343 (188)
Northern pike	0.0047 (0.0040)	0 (0)	62 (70)	49 (72)	0 (0)	13 (19)	124 (102)
Largemouth bass	0.0162 (0.0091)	52 (63)	165 (148)	144 (122)	61 (68)	7 (13)	428 (213)
Smallmouth bass	0.0012 (0.0015)	3 (6)	14 (24)	0 (0)	0 (0)	15 (30)	32 (39)
Yellow Perch	0.0154 (0.0105)	74 (92)	123 (107)	167 (212)	28 (35)	18 (22)	409 (258)
Bluegill	0.2337 (0.1138)	2,244 (1,768)	2,145 (1,589)	915 (745)	517 (481)	369 (271)	6,190 (2,552)
Pumpkinseed	0.0262 (0.0149)	281 (237)	182 (160)	156 (181)	71 (95)	4 (8)	694 (352)
Rock bass	0.0162 (0.0105)	113 (126)	154 (166)	21 (41)	50 (76)	92 (115)	430 (254)
Black crappie	0.0619 (0.0318)	644 (513)	652 (425)	227 (267)	0 (0)	116 (110)	1,640 (726)
Brown bullhead	0.0005 (0.0010)	0 (0)	13 (25)	0 (0)	0 (0)	0 (0)	13 (25)
Channel catfish	0.0002 (0.0004)	0 (0)	0 (0)	0 (0)	0 (0)	5 (10)	5 (10)
Carp	0.0004 (0.0007)	9 (19)	0 (0)	0 (0)	0 (0)	0 (0)	9 (19)
Bowfin	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Green Sunfish	0.0062 (0.0050)	0 (0)	0 (0)	0 (0)	58 (71)	105 (103)	164 (125)
OTH1	0.0101 (0.0066)	19 (38)	55 (74)	36 (51)	83 (106)	76 (70)	268 (160)
<b>TOTAL HARVEST</b>	<b>0.4058 (0.1471)</b>	<b>3,458 (1,865)</b>	<b>3,668 (1,678)</b>	<b>1,872 (864)</b>	<b>882 (518)</b>	<b>868 (346)</b>	<b>10,748 (2,726)</b>
<b>RELEASED</b>							
Walleye	0.0022 (0.0021)	0 (0)	0 (0)	4 (8)	26 (32)	29 (43)	59 (54)
Northern pike	0.0674 (0.0290)	42 (58)	486 (328)	375 (265)	602 (397)	281 (193)	1,786 (613)
Largemouth bass	0.4126 (0.1556)	1,108 (736)	3,378 (1,762)	3,107 (1,912)	2,242 (1,137)	1,093 (625)	10,927 (2,998)
Smallmouth bass	0.0554 (0.0258)	328 (330)	246 (198)	296 (278)	406 (274)	192 (149)	1,468 (568)
Yellow Perch	0.0720 (0.0502)	756 (1,100)	212 (182)	395 (343)	185 (160)	359 (376)	1,907 (1,235)
Bluegill	0.5118 (0.2240)	2,377 (1,794)	2,631 (1,565)	5,424 (3,868)	1,456 (1,098)	1,667 (1,028)	13,555 (4,785)
Pumpkinseed	0.0138 (0.0088)	50 (81)	124 (126)	86 (91)	106 (122)	0 (0)	366 (213)
Rock bass	0.0911 (0.0410)	874 (618)	727 (489)	188 (135)	496 (362)	128 (144)	2,412 (889)
Black crappie	0.0428 (0.0460)	606 (1,138)	294 (268)	139 (118)	74 (135)	20 (30)	1,134 (1,183)

Brown bullhead	0.0010	0	7	0	19	0	26
	(0.0015)	(0)	(14)	(0)	(37)	(0)	(40)
Channel catfish	0.0004	0	0	5	0	5	10
	(0.0006)	(0)	(0)	(11)	(0)	(10)	(15)
Bowfin	0.0008	0	21	0	0	0	21
	(0.0013)	(0)	(35)	(0)	(0)	(0)	(35)
Green Sunfish	0.0007	0	0	19	0	0	19
	(0.0014)	(0)	(0)	(37)	(0)	(0)	(37)
OTH1	0.0045	43	47	0	14	15	118
	(0.0036)	(63)	(54)	(0)	(28)	(18)	(89)
TOTAL RELEASED	1.2765	6,185	8,173	10,038	5,626	3,788	33,810
	(0.4013)	(2,602)	(2,463)	(4,350)	(1,711)	(1,293)	(6,030)
TOTAL CATCH	1.6822	9,643	11,841	11,910	6,508	4,656	44,558
	(0.5021)	(3,201)	(2,980)	(4,435)	(1,787)	(1,338)	(6,617)
ANGLER HOURS		3,014	8,671	7,151	4,438	3,213	26,487
		(1,657)	(4,550)	(4,257)	(1,757)	(1,538)	(6,857)
ANGLER TRIPS		1,052	1,345	2,549	1,177	1,123	7,246
		(675)	(903)	(1,660)	(547)	(634)	(2,174)

Estimated harvest, catch per hour, and fishing pressure for Gun Lake East, shore mode. Two standard errors are given in parentheses. NAN = statistic could not be calculated.

Species	C/H	May	June	July	August	Sept	Season
<b>HARVEST</b>							
Walleye	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Northern pike	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Largemouth bass	0.0171 (0.0351)	0 (0)	0 (0)	0 (0)	23 (46)	0 (0)	23 (46)
Smallmouth bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Yellow Perch	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bluegill	0.0179 (0.0225)	0 (0)	0 (0)	0 (0)	0 (0)	24 (28)	24 (28)
Pumpkinseed	0.0171 (0.0351)	0 (0)	0 (0)	0 (0)	23 (46)	0 (0)	23 (46)
Rock bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Black crappie	0.0009 (0.0019)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)
Brown bullhead	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Channel catfish	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Carp	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bowfin	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Green Sunfish	0.0049 (0.0099)	0 (0)	0 (0)	0 (0)	0 (0)	7 (13)	7 (13)
OTH1	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
<b>TOTAL HARVEST</b>	<b>0.0578 (0.0600)</b>	<b>0 (0)</b>	<b>1 (2)</b>	<b>0 (0)</b>	<b>46 (65)</b>	<b>31 (31)</b>	<b>78 (72)</b>
<b>RELEASED</b>							
Walleye	0.0090 (0.0185)	0 (0)	0 (0)	12 (24)	0 (0)	0 (0)	12 (24)
Northern pike	0.0166 (0.0340)	0 (0)	0 (0)	0 (0)	22 (45)	0 (0)	22 (45)
Largemouth bass	0.1020 (0.1101)	0 (0)	0 (0)	3 (6)	101 (115)	34 (67)	137 (134)
Smallmouth bass	0.1176 (0.2415)	0 (0)	0 (0)	158 (317)	0 (0)	0 (0)	158 (317)
Yellow Perch	0.0380 (0.0692)	0 (0)	0 (0)	0 (0)	45 (89)	7 (13)	51 (90)
Bluegill	0.1741 (0.2080)	0 (0)	32 (NAN)	24 (49)	165 (252)	13 (26)	235 (258)
Pumpkinseed	0.0126 (0.0187)	0 (0)	0 (0)	0 (0)	9 (18)	8 (16)	17 (24)
Rock bass	0.1579 (0.0746)	204 (NAN)	1 (1)	0 (0)	0 (0)	8 (16)	213 (16)
Black crappie	0.0039 (0.0079)	0 (0)	5 (10)	0 (0)	0 (0)	0 (0)	5 (10)

Brown bullhead	0	0	0	0	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Channel catfish	0	0	0	0	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Bowfin	0	0	0	0	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Green Sunfish	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	0.6316	204	38	198	342	69	851
	(0.4415)	NAN	NAN	(321)	(295)	(77)	NAN
TOTAL CATCH	0.6895	204	39	198	388	100	929
	(0.4630)	NAN	NAN	(321)	(302)	(83)	NAN
ANGLER HOURS		251	232	378	312	175	1,347
		(213)	(433)	(296)	(224)	(155)	(628)
ANGLER TRIPS		81	9	34	151	59	334
		(92)	(17)	(43)	(119)	(43)	(163)

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

Species	C/H	May	June	July	August	Sept	Season
<b>HARVEST</b>							
Walleye	0.0042 (0.0046)	0 (0)	2 (4)	34 (42)	30 (60)	3 (6)	69 (74)
Northern pike	0.0080 (0.0084)	4 (7)	35 (43)	17 (34)	60 (121)	16 (23)	132 (135)
Largemouth bass	0.0132 (0.0077)	50 (54)	62 (60)	63 (62)	37 (52)	6 (8)	218 (115)
Smallmouth bass	0.0054 (0.0060)	66 (91)	0 (0)	23 (31)	0 (0)	0 (0)	89 (96)
Yellow Perch	0.0172 (0.0112)	66 (75)	85 (99)	44 (46)	55 (91)	35 (57)	286 (171)
Bluegill	0.2996 (0.1994)	2,666 (2,815)	776 (483)	375 (373)	289 (236)	862 (998)	4,968 (3,057)
Pumpkinseed	0.0395 (0.0246)	128 (177)	348 (307)	66 (57)	63 (81)	50 (64)	655 (373)
Rock bass	0.0306 (0.0256)	110 (166)	48 (64)	302 (358)	45 (66)	2 (4)	507 (405)
Black crappie	0.0537 (0.0410)	157 (236)	77 (137)	439 (450)	197 (364)	21 (30)	891 (641)
Brown bullhead	0.0009 (0.0015)	0 (0)	15 (24)	0 (0)	0 (0)	0 (0)	15 (24)
Channel catfish	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Carp	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bowfin	0.0002 (0.0004)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	3 (6)
Green Sunfish	0.0127 (0.0137)	0 (0)	0 (0)	23 (46)	44 (65)	143 (205)	210 (220)
OTH1	0.0091 (0.0078)	45 (58)	0 (0)	4 (8)	12 (25)	91 (106)	152 (123)
<b>TOTAL HARVEST</b>	<b>0.4943 (0.2297)</b>	<b>3,292 (2,839)</b>	<b>1,448 (605)</b>	<b>1,394 (696)</b>	<b>833 (483)</b>	<b>1,229 (1,028)</b>	<b>8,196 (3,194)</b>
<b>RELEASED</b>							
Walleye	0.0010 (0.0014)	0 (0)	6 (8)	0 (0)	11 (22)	0 (0)	17 (23)
Northern pike	0.0358 (0.0197)	226 (236)	57 (58)	134 (92)	95 (92)	82 (88)	593 (289)
Largemouth bass	0.4376 (0.1670)	1,588 (1,381)	1,740 (955)	2,089 (722)	1,093 (683)	745 (693)	7,256 (2,071)
Smallmouth bass	0.0612 (0.0376)	253 (420)	180 (146)	233 (194)	164 (194)	184 (222)	1,014 (568)
Yellow Perch	0.0804 (0.0413)	303 (322)	146 (164)	261 (165)	316 (249)	308 (368)	1,333 (596)
Bluegill	0.9368 (0.5917)	7,538 (8,395)	1,812 (1,102)	1,290 (887)	2,198 (1,406)	2,694 (2,516)	15,534 (8,988)
Pumpkinseed	0.0638 (0.0489)	83 (116)	56 (60)	118 (107)	756 (743)	45 (63)	1,058 (765)
Rock bass	0.1017 (0.0611)	902 (781)	299 (221)	461 (431)	22 (30)	3 (4)	1,686 (919)
Black crappie	0.0041 (0.0044)	44 (66)	12 (23)	7 (14)	4 (8)	1 (3)	68 (72)

Brown bullhead	0	0	0	0	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Channel catfish	0.0009	0	0	14	0	2	15
	(0.0017)	(0)	(0)	(27)	(0)	(3)	(27)
Bowfin	0.0028	0	8	27	11	0	46
	(0.0033)	(0)	(17)	(47)	(22)	(0)	(54)
Green Sunfish	0	0	0	0	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)
OTH1	0.0040	31	3	0	20	13	67
	(0.0040)	(47)	(6)	(0)	(40)	(19)	(65)
TOTAL RELEASED	1.7302	10,967	4,320	4,634	4,689	4,077	28,688
	(0.7137)	(8,564)	(1,494)	(1,257)	(1,762)	(2,648)	(9,342)
TOTAL CATCH	2.2245	14,259	5,768	6,028	5,522	5,306	36,883
	(0.8197)	(9,022)	(1,612)	(1,437)	(1,827)	(2,840)	(9,873)
ANGLER HOURS		4,055	3,748	4,058	2,958	1,763	16,581
		(3,011)	(1,807)	(948)	(1,438)	(1,528)	(4,199)
ANGLER TRIPS		1,035	243	1,191	874	817	4,161
		(813)	(203)	(405)	(461)	(790)	(1,305)

Estimated harvest, catch per hour, and fishing pressure for Gun Lake West, shore mode. Two standard errors are given in parentheses. NAN = statistic cannot be calculated.

Species	C/H	May	June	July	August	Sept	Season
<b>HARVEST</b>							
Walleye	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Northern pike	0.0051 (0.0103)	0 (0)	0 (0)	0 (0)	0 (0)	17 (34)	17 (34)
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 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bluegill	0.3512 (0.5913)	952 (1,904)	0 (0)	58 (115)	57 (113)	92 (159)	1,158 (1,917)
Pumpkinseed	0.0087 (0.0177)	0 (0)	0 (0)	29 (58)	0 (0)	0 (0)	29 (58)
Rock bass	0.0020 (0.0041)	0 (0)	7 (14)	0 (0)	0 (0)	0 (0)	7 (14)
Black crappie	0.0010 (0.0018)	0 (0)	0 (0)	0 (0)	0 (0)	3 (6)	3 (6)
Brown bullhead	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Channel catfish	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Carp	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bowfin	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Green Sunfish	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
OTH1	0.0020 (0.0041)	0 (0)	7 (14)	0 (0)	0 (0)	0 (0)	7 (14)
<b>TOTAL HARVEST</b>	<b>0.3701 (0.5927)</b>	<b>952 (1,904)</b>	<b>14 (19)</b>	<b>86 (129)</b>	<b>57 (113)</b>	<b>111 (162)</b>	<b>1,220 (1,919)</b>
<b>RELEASED</b>							
Walleye	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Northern pike	0.0188 (0.0362)	0 (0)	0 (0)	0 (0)	0 (0)	62 (118)	62 (118)
Largemouth bass	0.0892 (0.0674)	0 (0)	94 (118)	86 (116)	15 (22)	98 (117)	294 (204)
Smallmouth bass	0.0331 (0.0407)	0 (0)	0 (0)	84 (124)	25 (40)	0 (0)	109 (130)
Yellow Perch	0.1058 (0.1109)	0 (0)	41 (69)	144 (288)	11 (15)	154 (186)	349 (350)
Bluegill	1.7493 (1.0340)	243 NAN	1,988 (2,054)	1,209 (1,214)	428 (365)	1,899 (1,653)	5,767 (2,926)
Pumpkinseed	0.1654 (0.1756)	159 (317)	70 (104)	317 (443)	0 (0)	0 (0)	545 (555)
Rock bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Black crappie	0.0016 (0.0024)	0 (0)	2 (5)	0 (0)	0 (0)	3 (6)	5 (8)



Brown bullhead	0.0000	0	0	0	0	0	0
	(0.0000)	(0)	(0)	(0)	(0)	(0)	(0)
Channel catfish	0	0	0	0	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Bowfin	0	0	0	0	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Green Sunfish	0	0	0	0	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)
OTH1	0.0025	0	2	0	6	0	8
	(0.0039)	(0)	(5)	(0)	(12)	(0)	(12)
TOTAL RELEASED	2.1657	402	2,198	1,840	484	2,216	7,140
	(1.1208)	NAN	(2,062)	(1,335)	(369)	(1,672)	(2,994)
TOTAL CATCH	2.5359	1,354	2,211	1,927	541	2,327	8,360
	(1.3248)	NAN	(2,062)	(1,341)	(386)	(1,679)	(3,556)
ANGLER HOURS		922	621	722	346	685	3,297
		(579)	(454)	(429)	(308)	(425)	(1,000)
ANGLER TRIPS		269	270	244	353	98	1,234
		(310)	(242)	(296)	(540)	(124)	(741)

Estimated harvest, catch per hour, and fishing pressure for Gun Lake East, all modes combined.  
Two standard errors are given in parentheses. NAN = statistic cannot be calculated.

Species	C/H	May	June	July	August	Sept	Season
<b>HARVEST</b>							
Walleye	0.0123 (0.0074)	19 (38)	103 (109)	157 (135)	15 (25)	48 (57)	343 (188)
Northern pike	0.0045 (0.0038)	0 (0)	62 (70)	49 (72)	0 (0)	13 (19)	124 (102)
Largemouth bass	0.0162 (0.0088)	52 (63)	165 (148)	144 (122)	84 (82)	7 (13)	451 (218)
Smallmouth bass	0.0012 (0.0014)	3 (6)	14 (24)	0 (0)	0 (0)	15 (30)	32 (39)
Yellow Perch	0.0147 (0.0100)	74 (92)	123 (107)	167 (212)	28 (35)	18 (22)	409 (258)
Bluegill	0.2232 (0.1070)	2,244 (1,768)	2,145 (1,589)	915 (745)	517 (481)	393 (273)	6,214 (2,552)
Pumpkinseed	0.0258 (0.0142)	281 (237)	182 (160)	156 (181)	94 (106)	4 (8)	717 (355)
Rock bass	0.0154 (0.0099)	113 (126)	154 (166)	21 (41)	50 (76)	92 (115)	430 (254)
Black crappie	0.0590 (0.0299)	644 (513)	653 (425)	227 (267)	0 (0)	116 (110)	1,641 (726)
Brown bullhead	0.0004 (0.0009)	0 (0)	13 (25)	0 (0)	0 (0)	0 (0)	13 (25)
Channel catfish	0.0002 (0.0004)	0 (0)	0 (0)	0 (0)	0 (0)	5 (10)	5 (10)
Carp	0.0003 (0.0007)	9 (19)	0 (0)	0 (0)	0 (0)	0 (0)	9 (19)
Bowfin	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Green Sunfish	0.0061 (0.0048)	0 (0)	0 (0)	0 (0)	58 (71)	112 (104)	170 (126)
OTH1	0.0096 (0.0062)	19 (38)	55 (74)	36 (51)	83 (106)	76 (70)	268 (160)
<b>TOTAL HARVEST</b>	<b>0.3889 (0.1373)</b>	<b>3,458 (1,865)</b>	<b>3,669 (1,678)</b>	<b>1,872 (864)</b>	<b>928 (523)</b>	<b>898 (347)</b>	<b>10,826 (2,727)</b>
<b>RELEASED</b>							
Walleye	0.0026 (0.0022)	0 (0)	0 (0)	16 (25)	26 (32)	29 (43)	71 (59)
Northern pike	0.0650 (0.0273)	42 (58)	486 (328)	375 (265)	624 (399)	281 (193)	1,809 (615)
Largemouth bass	0.3975 (0.1459)	1,108 (736)	3,378 (1,762)	3,110 (1,912)	2,343 (1,143)	1,126 (629)	11,065 (3,001)
Smallmouth bass	0.0584 (0.0275)	328 (330)	246 (198)	454 (421)	406 (274)	192 (149)	1,627 (650)
Yellow Perch	0.0704 (0.0478)	756 (1,100)	212 (182)	395 (343)	230 (184)	365 (376)	1,958 (1,239)
Bluegill	0.4954 (0.2037)	2,377 (1,794)	2,663 NAN	5,448 (3,868)	1,621 (1,127)	1,680 (1,028)	13,790 (4,529)
Pumpkinseed	0.0138 (0.0084)	50 (81)	124 (126)	86 (91)	115 (123)	8 (16)	383 (215)
Rock bass	0.0943 (0.0327)	1,078 NAN	727 (489)	188 (135)	496 (362)	136 (145)	2,625 (640)
Black crappie	0.0409 (0.0437)	606 (1,138)	299 (268)	139 (118)	74 (135)	20 (30)	1,139 (1,183)

Brown bullhead	0.0009	0	7	0	19	0	26
	(0.0014)	(0)	(14)	(0)	(37)	(0)	(40)
Channel catfish	0.0004	0	0	5	0	5	10
	(0.0005)	(0)	(0)	(11)	(0)	(10)	(15)
Bowfin	0.0008	0	21	0	0	0	21
	(0.0013)	(0)	(35)	(0)	(0)	(0)	(35)
Green Sunfish	0.0007	0	0	19	0	0	19
	(0.0013)	(0)	(0)	(37)	(0)	(0)	(37)
OTH1	0.0043	43	47	0	14	15	118
	(0.0034)	(63)	(54)	(0)	(28)	(18)	(89)
TOTAL RELEASED	1.2453	6,389	8,211	10,236	5,967	3,858	34,661
	(0.3543)	NAN	NAN	(4,362)	(1,736)	(1,295)	(4,870)
TOTAL CATCH	1.6342	9,847	11,880	12,108	6,896	4,756	45,487
	(0.4513)	NAN	NAN	(4,447)	(1,813)	(1,341)	(5,581)
ANGLER HOURS		3,265	8,903	7,529	4,750	3,388	27,834
		(1,670)	(4,571)	(4,267)	(1,771)	(1,545)	(6,886)
ANGLER TRIPS		1,134	1,354	2,582	1,328	1,182	7,580
		(681)	(903)	(1,660)	(560)	(636)	(2,180)

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

Species	C/H	May	June	July	August	Sept	Season
<b>HARVEST</b>							
Walleye	0.0035 (0.0038)	0 (0)	2 (4)	34 (42)	30 (60)	3 (6)	69 (74)
Northern pike	0.0075 (0.0072)	4 (7)	35 (43)	17 (34)	60 (121)	33 (41)	149 (139)
Largemouth bass	0.0110 (0.0062)	50 (54)	62 (60)	63 (62)	37 (52)	6 (8)	218 (115)
Smallmouth bass	0.0045 (0.0049)	66 (91)	0 (0)	23 (31)	0 (0)	0 (0)	89 (96)
Yellow Perch	0.0144 (0.0092)	66 (75)	85 (99)	44 (46)	55 (91)	35 (57)	286 (171)
Bluegill	0.3082 (0.1935)	3,618 (3,398)	776 (483)	433 (390)	346 (262)	953 (1,010)	6,126 (3,609)
Pumpkinseed	0.0344 (0.0204)	128 (177)	348 (307)	95 (81)	63 (81)	50 (64)	684 (378)
Rock bass	0.0258 (0.0211)	110 (166)	54 (66)	302 (358)	45 (66)	2 (4)	514 (405)
Black crappie	0.0450 (0.0337)	157 (236)	77 (137)	439 (450)	197 (364)	24 (31)	894 (641)
Brown bullhead	0.0008 (0.0012)	0 (0)	15 (24)	0 (0)	0 (0)	0 (0)	15 (24)
Channel catfish	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Carp	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bowfin	0.0002 (0.0003)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	3 (6)
Green Sunfish	0.0106 (0.0113)	0 (0)	0 (0)	23 (46)	44 (65)	143 (205)	210 (220)
OTH1	0.0080 (0.0065)	45 (58)	7 (14)	4 (8)	12 (25)	91 (106)	158 (124)
<b>TOTAL HARVEST</b>	<b>0.4737 (0.2138)</b>	<b>4,244 (3,418)</b>	<b>1,462 (606)</b>	<b>1,481 (708)</b>	<b>889 (496)</b>	<b>1,340 (1,041)</b>	<b>9,416 (3,726)</b>
<b>RELEASED</b>							
Walleye	0.0009 (0.0012)	0 (0)	6 (8)	0 (0)	11 (22)	0 (0)	17 (23)
Northern pike	0.0330 (0.0173)	226 (236)	57 (58)	134 (92)	95 (92)	144 (147)	655 (312)
Largemouth bass	0.3798 (0.1333)	1,588 (1,381)	1,835 (963)	2,176 (731)	1,108 (683)	843 (703)	7,550 (2,081)
Smallmouth bass	0.0565 (0.0318)	253 (420)	180 (146)	317 (230)	188 (198)	184 (222)	1,123 (583)
Yellow Perch	0.0846 (0.0393)	303 (322)	186 (178)	405 (332)	327 (249)	462 (412)	1,682 (691)
Bluegill	1.0716 (0.3192)	7,782 NAN	3,800 (2,331)	2,499 (1,503)	2,626 (1,452)	4,593 (3,011)	21,301 (4,344)
Pumpkinseed	0.0806 (0.0507)	242 (338)	126 (120)	435 (456)	756 (743)	45 (63)	1,603 (945)
Rock bass	0.0848 (0.0498)	902 (781)	299 (221)	461 (431)	22 (30)	3 (4)	1,686 (919)
Black crappie	0.0037 (0.0037)	44 (66)	14 (23)	7 (14)	4 (8)	4 (7)	73 (72)

Brown bullhead	0.0000	0	0	0	0	0	0
	(0.0000)	(0)	(0)	(0)	(0)	(0)	(0)
Channel catfish	0.0008	0	0	14	0	2	15
	(0.0014)	(0)	(0)	(27)	(0)	(3)	(27)
Bowfin	0.0023	0	8	27	11	0	46
	(0.0028)	(0)	(17)	(47)	(22)	(0)	(54)
Green Sunfish	0	0	0	0	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)
OTH1	0.0038	31	5	0	26	13	75
	(0.0034)	(47)	(7)	(0)	(42)	(19)	(66)
TOTAL RELEASED	1.8024	11,369	6,517	6,474	5,173	6,293	35,827
	(0.4595)	NAN	(2,546)	(1,834)	(1,801)	(3,131)	(4,785)
TOTAL CATCH	2.2761	15,613	7,979	7,955	6,063	7,634	45,243
	(0.5808)	NAN	(2,617)	(1,966)	(1,868)	(3,300)	(6,064)
ANGLER HOURS		4,977	4,369	4,780	3,304	2,448	19,878
		(3,066)	(1,863)	(1,041)	(1,471)	(1,586)	(4,316)
ANGLER TRIPS		1,304	513	1,435	1,227	915	5,395
		(870)	(316)	(501)	(710)	(800)	(1,501)

Estimated harvest, catch per hour, and fishing pressure for Gun Lake (east and west combined), boat mode. Two standard errors are given in parentheses.

Species	C/H	May	June	July	August	Sept	Season
<b>HARVEST</b>							
Walleye	0.0096 (0.0050)	19 (38)	105 (109)	191 (142)	45 (65)	52 (58)	412 (202)
Northern pike	0.0060 (0.0041)	4 (7)	97 (82)	67 (80)	60 (121)	29 (29)	257 (169)
Largemouth bass	0.0150 (0.0063)	102 (83)	228 (159)	207 (137)	97 (86)	12 (15)	647 (242)
Smallmouth bass	0.0028 (0.0025)	69 (91)	14 (24)	23 (31)	0 (0)	15 (30)	121 (104)
Yellow Perch	0.0161 (0.0078)	140 (119)	208 (146)	211 (217)	83 (97)	52 (61)	694 (310)
Bluegill	0.2591 (0.1043)	4,909 (3,324)	2,922 (1,661)	1,290 (834)	806 (536)	1,231 (1,034)	11,158 (3,982)
Pumpkinseed	0.0313 (0.0133)	410 (296)	530 (346)	222 (189)	133 (125)	54 (64)	1,349 (513)
Rock bass	0.0218 (0.0118)	223 (208)	202 (178)	322 (360)	96 (101)	94 (116)	937 (478)
Black crappie	0.0588 (0.0250)	801 (565)	729 (447)	666 (523)	197 (364)	137 (114)	2,531 (969)
Brown bullhead	0.0006 (0.0008)	0 (0)	28 (35)	0 (0)	0 (0)	0 (0)	28 (35)
Channel catfish	0.0001 (0.0002)	0 (0)	0 (0)	0 (0)	0 (0)	5 (10)	5 (10)
Carp	0.0002 (0.0004)	9 (19)	0 (0)	0 (0)	0 (0)	0 (0)	9 (19)
Bowfin	0.0001 (0.0001)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	3 (6)
Green Sunfish	0.0087 (0.0061)	0 (0)	0 (0)	23 (46)	102 (96)	249 (230)	374 (253)
OTH1	0.0097 (0.0050)	63 (69)	55 (74)	40 (51)	94 (109)	167 (127)	419 (202)
<b>TOTAL HARVEST</b>	<b>0.4399 (0.1275)</b>	<b>6,750 (3,396)</b>	<b>5,116 (1,784)</b>	<b>3,266 (1,110)</b>	<b>1,715 (709)</b>	<b>2,097 (1,085)</b>	<b>18,944 (4,199)</b>
<b>RELEASED</b>							
Walleye	0.0018 (0.0014)	0 (0)	7 (8)	4 (8)	37 (39)	29 (43)	77 (59)
Northern pike	0.0553 (0.0188)	268 (243)	543 (333)	509 (281)	697 (407)	363 (212)	2,380 (678)
Largemouth bass	0.4222 (0.1156)	2,696 (1,565)	5,118 (2,005)	5,196 (2,044)	3,335 (1,327)	1,838 (933)	18,183 (3,644)
Smallmouth bass	0.0576 (0.0215)	581 (534)	426 (246)	529 (339)	570 (336)	376 (267)	2,482 (803)
Yellow Perch	0.0752 (0.0348)	1,059 (1,146)	357 (245)	657 (380)	501 (296)	666 (526)	3,240 (1,372)
Bluegill	0.6754 (0.2679)	9,916 (8,584)	4,443 (1,914)	6,714 (3,968)	3,655 (1,784)	4,361 (2,718)	29,089 (10,182)
Pumpkinseed	0.0331 (0.0194)	133 (141)	181 (139)	204 (141)	862 (753)	45 (63)	1,424 (794)
Rock bass	0.0952 (0.0346)	1,775 (996)	1,026 (536)	649 (451)	518 (363)	131 (144)	4,098 (1,279)
Black crappie	0.0279 (0.0280)	650 (1,140)	306 (269)	146 (118)	78 (135)	22 (30)	1,201 (1,185)

Brown bullhead	0.0006	0	7	0	19	0	26
	(0.0009)	(0)	(14)	(0)	(37)	(0)	(40)
Channel catfish	0.0006	0	0	19	0	7	26
	(0.0007)	(0)	(0)	(29)	(0)	(11)	(31)
Bowfin	0.0016	0	30	27	11	0	67
	(0.0015)	(0)	(39)	(47)	(22)	(0)	(64)
Green Sunfish	0.0004	0	0	19	0	0	19
	(0.0009)	(0)	(0)	(37)	(0)	(0)	(37)
OTH1	0.0043	74	50	0	34	28	185
	(0.0027)	(78)	(55)	(0)	(49)	(26)	(110)
TOTAL RELEASED	1.4511	17,152	12,493	14,672	10,315	7,866	62,498
	(0.3742)	(8,951)	(2,881)	(4,528)	(2,456)	(2,946)	(11,119)
TOTAL CATCH	1.8910	23,902	17,609	17,938	12,030	9,962	81,441
	(0.4481)	(9,573)	(3,388)	(4,662)	(2,556)	(3,140)	(11,885)
ANGLER HOURS		7,068	12,419	11,209	7,396	4,976	43,068
		(3,436)	(4,896)	(4,361)	(2,271)	(2,168)	(8,041)
ANGLER TRIPS		2,088	1,588	3,740	2,052	1,940	11,407
		(1,057)	(925)	(1,709)	(715)	(1,013)	(2,536)

Estimated harvest, catch per hour, and fishing pressure for Gun Lake (east and west combined), shore mode. Two standard errors are given in parentheses.

Species	C/H	May	June	July	August	Sept	Season
HARVEST							
Walleye	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Northern pike	0.0036 (0.0073)	0 (0)	0 (0)	0 (0)	0 (0)	17 (34)	17 (34)
Largemouth bass	0.0050 (0.0100)	0 (0)	0 (0)	0 (0)	23 (46)	0 (0)	23 (46)
Smallmouth bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Yellow Perch	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bluegill	0.2545 (0.4180)	952 (1,904)	0 (0)	58 (115)	57 (113)	116 (161)	1,182 (1,918)
Pumpkinseed	0.0112 (0.0161)	0 (0)	0 (0)	29 (58)	23 (46)	0 (0)	52 (74)
Rock bass	0.0015 (0.0029)	0 (0)	7 (14)	0 (0)	0 (0)	0 (0)	7 (14)
Black crappie	0.0009 (0.0014)	0 (0)	1 (2)	0 (0)	0 (0)	3 (6)	4 (6)
Brown bullhead	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Channel catfish	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Carp	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bowfin	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Green Sunfish	0.0014 (0.0028)	0 (0)	0 (0)	0 (0)	0 (0)	7 (13)	7 (13)
OTH1	0.0015 (0.0029)	0 (0)	7 (14)	0 (0)	0 (0)	0 (0)	7 (14)
TOTAL HARVEST	0.2795 (0.4195)	952 (1,904)	15 (19)	86 (129)	103 (131)	142 (165)	1,298 (1,920)
RELEASED							
Walleye	0.0026 (0.0053)	0 (0)	0 (0)	12 (24)	0 (0)	0 (0)	12 (24)
Northern pike	0.0181 (0.0276)	0 (0)	0 (0)	0 (0)	22 (45)	62 (118)	84 (126)
Largemouth bass	0.0929 (0.0575)	0 (0)	94 (118)	89 (116)	116 (118)	132 (135)	432 (244)
Smallmouth bass	0.0576 (0.0752)	0 (0)	0 (0)	243 (340)	25 (40)	0 (0)	267 (342)
Yellow Perch	0.0862 (0.0809)	0 (0)	41 (69)	144 (288)	55 (91)	160 (186)	400 (361)
Bluegill	1.2924 (0.5588)	243 NAN	2,020 NAN	1,233 (1,215)	593 (444)	1,912 (1,653)	6,002 (2,099)
Pumpkinseed	0.1211 (0.1235)	159 (317)	70 (104)	317 (443)	9 (18)	8 (16)	562 (555)
Rock bass	0.0458 (0.0122)	204 NAN	1 (1)	0 (0)	0 (0)	8 (16)	213 (16)
Black crappie	0.0023 (0.0028)	0 (0)	8 (11)	0 (0)	0 (0)	3 (6)	11 (13)



Brown bullhead	0.0000	0	0	0	0	0	0
	(0.0000)	(0)	(0)	(0)	(0)	(0)	(0)
Channel catfish	0	0	0	0	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Bowfin	0	0	0	0	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Green Sunfish	0	0	0	0	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)
OTH1	0.0017	0	2	0	6	0	8
	(0.0027)	(0)	(5)	(0)	(12)	(0)	(12)
TOTAL RELEASED	1.7207	606	2,236	2,038	826	2,285	7,991
	(0.6473)	NAN	NAN	(1,373)	(472)	(1,673)	(2,215)
TOTAL CATCH	2.0002	1,558	2,251	2,125	928	2,427	9,289
	(0.8107)	NAN	NAN	(1,379)	(490)	(1,681)	(2,932)
ANGLER HOURS		1,173	853	1,099	658	861	4,644
		(616)	(627)	(521)	(381)	(452)	(1,181)
ANGLER TRIPS		350	279	278	503	157	1,568
		(324)	(243)	(299)	(553)	(131)	(759)

Estimated harvest, catch per hour, and fishing pressure for Gun Lake (east and west combined), all modes combined. Two standard errors are given in parentheses.

Species	C/H	May	June	July	August	Sept	Season
<b>HARVEST</b>							
Walleye	0.0086 (0.0045)	19 (38)	105 (109)	191 (142)	45 (65)	52 (58)	412 (202)
Northern pike	0.0057 (0.0037)	4 (7)	97 (82)	67 (80)	60 (121)	46 (45)	274 (172)
Largemouth bass	0.0140 (0.0057)	102 (83)	228 (159)	207 (137)	120 (97)	12 (15)	670 (246)
Smallmouth bass	0.0025 (0.0022)	69 (91)	14 (24)	23 (31)	0 (0)	15 (30)	121 (104)
Yellow Perch	0.0146 (0.0070)	140 (119)	208 (146)	211 (217)	83 (97)	52 (61)	694 (310)
Bluegill	0.2586 (0.1026)	5,861 (3,831)	2,922 (1,661)	1,348 (841)	862 (548)	1,347 (1,046)	12,340 (4,420)
Pumpkinseed	0.0294 (0.0120)	410 (296)	530 (346)	251 (198)	156 (133)	54 (64)	1,401 (518)
Rock bass	0.0198 (0.0106)	223 (208)	208 (179)	322 (360)	96 (101)	94 (116)	944 (478)
Black crappie	0.0531 (0.0222)	801 (565)	731 (447)	666 (523)	197 (364)	140 (115)	2,535 (969)
Brown bullhead	0.0006 (0.0007)	0 (0)	28 (35)	0 (0)	0 (0)	0 (0)	28 (35)
Channel catfish	0.0001 (0.0002)	0 (0)	0 (0)	0 (0)	0 (0)	5 (10)	5 (10)
Carp	0.0002 (0.0004)	9 (19)	0 (0)	0 (0)	0 (0)	0 (0)	9 (19)
Bowfin	0.0001 (0.0001)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	3 (6)
Green Sunfish	0.0080 (0.0055)	0 (0)	0 (0)	23 (46)	102 (96)	255 (230)	380 (253)
OTH1	0.0089 (0.0045)	63 (69)	62 (75)	40 (51)	94 (109)	167 (127)	426 (203)
<b>TOTAL HARVEST</b>	<b>0.4242 (0.1208)</b>	<b>7,702 (3,893)</b>	<b>5,131 (1,784)</b>	<b>3,353 (1,117)</b>	<b>1,818 (721)</b>	<b>2,239 (1,097)</b>	<b>20,242 (4,617)</b>
<b>RELEASED</b>							
Walleye	0.0019 (0.0014)	0 (0)	7 (8)	16 (25)	37 (39)	29 (43)	89 (64)
Northern pike	0.0516 (0.0169)	268 (243)	543 (333)	509 (281)	719 (410)	425 (243)	2,464 (689)
Largemouth bass	0.3902 (0.1014)	2,696 (1,565)	5,212 (2,008)	5,286 (2,047)	3,451 (1,332)	1,970 (943)	18,615 (3,652)
Smallmouth bass	0.0576 (0.0208)	581 (534)	426 (246)	772 (480)	595 (338)	376 (267)	2,750 (873)
Yellow Perch	0.0763 (0.0324)	1,059 (1,146)	398 (254)	801 (477)	556 (310)	827 (558)	3,641 (1,419)
Bluegill	0.7355 (0.1709)	10,159 NAN	6,463 NAN	7,947 (4,150)	4,247 (1,838)	6,273 (3,181)	35,091 (5,543)
Pumpkinseed	0.0416 (0.0215)	292 (347)	250 (174)	521 (465)	871 (754)	53 (65)	1,986 (969)
Rock bass	0.0904 (0.0228)	1,979 NAN	1,026 (536)	649 (451)	518 (363)	139 (145)	4,311 (802)
Black crappie	0.0254 (0.0252)	650 (1,140)	313 (269)	146 (118)	78 (135)	25 (30)	1,212 (1,185)

Brown bullhead	0.0005	0	7	0	19	0	26
	(0.0008)	(0)	(14)	(0)	(37)	(0)	(40)
Channel catfish	0.0005	0	0	19	0	7	26
	(0.0007)	(0)	(0)	(29)	(0)	(11)	(31)
Bowfin	0.0014	0	30	27	11	0	67
	(0.0014)	(0)	(39)	(47)	(22)	(0)	(64)
Green Sunfish	0.0004	0	0	19	0	0	19
	(0.0008)	(0)	(0)	(37)	(0)	(0)	(37)
OTH1	0.0041	74	52	0	40	28	194
	(0.0024)	(78)	(55)	(0)	(50)	(26)	(111)
TOTAL RELEASED	1.4774	17,758	14,729	16,710	11,141	10,151	70,488
	(0.2845)	NAN	NAN	(4,732)	(2,501)	(3,388)	(6,335)
TOTAL CATCH	1.9016	25,460	19,860	20,063	12,958	12,390	90,730
	(0.3632)	NAN	NAN	(4,862)	(2,603)	(3,562)	(7,838)
ANGLER HOURS		8,241	13,272	12,309	8,054	5,836	47,712
		(3,491)	(4,936)	(4,392)	(2,303)	(2,214)	(8,127)
ANGLER TRIPS		2,438	1,867	4,017	2,555	2,097	12,975
		(1,105)	(956)	(1,734)	(904)	(1,022)	(2,647)