

Survey Report for Brevort Lake , Summer, 2014

Waterbody	Brevort Lake
Year	Summer, 2014
Sites	Brevort Lake
Survey period	June 1 to September 30
Survey design	Roving/Roving
Clerk time	Full time
Survey purpose	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 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 Brevort Lake and direction of travel were randomized for both counting and interviewing. Two counts of boat, dock and shore anglers were made per day. Survey period for both counts and interviews was June 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 Brevort Lake, June 1 to September 30, Summer, 2014

	Year	Month	Hrs/day
1	2014	6	17
2	2014	7	16
3	2014	8	16
4	2014	9	15

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

Species	C/H	June	July	August	Sept	Season
HARVEST						
Walleye	0.0068 (0.0040)	62 (55)	47 (45)	26 (31)	0 (0)	135 (78)
Northern pike	0.0100 (0.0080)	94 (132)	13 (20)	73 (77)	19 (27)	200 (157)
Largemouth bass	0.0002 (0.0004)	0 (0)	0 (0)	0 (0)	4 (8)	4 (8)
Smallmouth bass	0.0082 (0.0051)	69 (76)	19 (27)	25 (36)	50 (46)	163 (99)
Yellow Perch	0.4895 (0.1475)	560 (473)	2,691 (1,108)	2,724 (1,221)	3,773 (1,929)	9,748 (2,582)
Bluegill	0.0893 (0.0442)	299 (285)	479 (411)	819 (654)	181 (180)	1,778 (843)
Pumpkinseed	0.0007 (0.0014)	0 (0)	0 (0)	0 (0)	14 (28)	14 (28)
Rock bass	0.0112 (0.0112)	22 (31)	60 (78)	141 (204)	0 (0)	222 (221)
Brown bullhead	0.0016 (0.0023)	0 (0)	14 (28)	18 (35)	0 (0)	32 (45)
Green Sunfish	0.0071 (0.0117)	0 (0)	132 (232)	9 (19)	0 (0)	141 (233)
TOTAL HARVEST	0.6246 (0.1643)	1,106 (577)	3,454 (1,208)	3,834 (1,403)	4,042 (1,939)	12,437 (2,742)
RELEASED						
Walleye	0.0022 (0.0034)	43 (68)	0 (0)	0 (0)	0 (0)	43 (68)
Northern pike	0.0436 (0.0169)	386 (209)	227 (144)	241 (183)	14 (18)	868 (313)
Largemouth bass	0.0037 (0.0043)	63 (83)	0 (0)	11 (19)	0 (0)	74 (86)
Smallmouth bass	0.0493 (0.0275)	494 (421)	246 (259)	205 (187)	36 (38)	981 (530)
Yellow Perch	3.2564 (0.8843)	2,683 (1,666)	23,251 (8,055)	21,849 (7,928)	17,062 (9,635)	64,844 (14,945)
Bluegill	0.2911 (0.1254)	1,283 (1,043)	2,962 (1,789)	1,502 (1,117)	48 (62)	5,796 (2,353)
Pumpkinseed	0.0060 (0.0079)	0 (0)	0 (0)	23 (46)	97 (149)	120 (156)
Rock bass	0.0267 (0.0159)	7 (13)	244 (214)	265 (219)	16 (30)	532 (308)
Black crappie	0.0156 (0.0285)	29 (57)	283 (562)	0 (0)	0 (0)	311 (565)
Common white sucker	0.0003 (0.0006)	6 (12)	0 (0)	0 (0)	0 (0)	6 (12)
Brown bullhead	0.0116 (0.0102)	34 (58)	76 (87)	26 (30)	96 (168)	231 (200)
Muskellunge	0.0005 (0.0009)	0 (0)	0 (0)	9 (18)	0 (0)	9 (18)
Bowfin	0.0004 (0.0008)	0 (0)	8 (16)	0 (0)	0 (0)	8 (16)
Green Sunfish	0.0062	91	33	0	0	124

	(0.0090)	(171)	(48)	(0)	(0)	(178)
TOTAL RELEASED	3,7136	5,118	27,329	24,131	17,369	73,947
	(0.9295)	(2,033)	(8,279)	(8,014)	(9,638)	(15,159)
TOTAL CATCH	4.3381	6,224	30,783	27,965	21,411	86,384
	(0.9932)	(2,113)	(8,367)	(8,136)	(9,831)	(15,405)
ANGLER HOURS		5,725	5,971	5,155	3,063	19,913
		(1,521)	(1,600)	(1,268)	(1,301)	(2,859)
ANGLER TRIPS		1,668	2,239	1,920	1,082	6,909
		(492)	(656)	(571)	(515)	(1,124)

Estimated harvest, catch per hour, and fishing pressure for Brevort Lake, dock mode. Two standard errors are given in parentheses. NAN = Statistic cannot be calculated.

Species	C/H	June	July	August	Sept	Season
HARVEST						
Walleye	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)
Largemouth bass	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)
Yellow Perch	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bluegill	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Pumpkinseed	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)
Brown bullhead	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)
TOTAL HARVEST	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
RELEASED						
Walleye	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)
Largemouth bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Smallmouth bass	0.0106 (0.0218)	0 (0)	12 (23)	0 (0)	0 (0)	12 (23)
Yellow Perch	0.8852 (0.6292)	0 (0)	457 (544)	501 NAN	0 (0)	958 (544)
Bluegill	0.0493 (0.1020)	0 (0)	53 (108)	0 (0)	0 (0)	53 (108)
Pumpkinseed	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)
Black crappie	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Common white sucker	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Brown bullhead	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Muskellunge	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)
Green Sunfish	0	0	0	0	0	0

	(0)	(0)	(0)	(0)	(0)	(0)
TOTAL RELEASED	0.9451	0	522	501	0	1,023
	(0.6530)	(0)	(555)	NAN	(0)	(555)
TOTAL CATCH	0.9451	0	522	501	0	1,023
	(0.6530)	(0)	(555)	NAN	(0)	(555)
ANGLER HOURS		382	437	263	0	1,082
		(341)	(256)	(181)	(0)	(463)
ANGLER TRIPS		305	350	211	0	866
		(273)	(230)	(183)	(0)	(401)

	(0)	(0)	(0)	(0)	(0)	(0)
TOTAL RELEASED	0	0	0	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)
TOTAL CATCH	0	0	0	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)
ANGLER HOURS		0	15	81	0	95
		(0)	(29)	(90)	(0)	(95)
ANGLER TRIPS		0	7	39	0	46
		(0)	(16)	(56)	(0)	(59)

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

Species	C/H	June	July	August	Sept	Season
HARVEST						
Walleye	0.0064 (0.0038)	62 (55)	47 (45)	26 (31)	0 (0)	135 (78)
Northern pike	0.0095 (0.0075)	94 (132)	13 (20)	73 (77)	19 (27)	200 (157)
Largemouth bass	0.0002 (0.0004)	0 (0)	0 (0)	0 (0)	4 (8)	4 (8)
Smallmouth bass	0.0077 (0.0048)	69 (76)	19 (27)	25 (36)	50 (46)	163 (99)
Yellow Perch	0.4622 (0.1379)	560 (473)	2,691 (1,108)	2,724 (1,221)	3,773 (1,929)	9,748 (2,582)
Bluegill	0.0843 (0.0416)	299 (285)	479 (411)	819 (654)	181 (180)	1,778 (843)
Pumpkinseed	0.0007 (0.0013)	0 (0)	0 (0)	0 (0)	14 (28)	14 (28)
Rock bass	0.0105 (0.0106)	22 (31)	60 (78)	141 (204)	0 (0)	222 (221)
Brown bullhead	0.0015 (0.0021)	0 (0)	14 (28)	18 (35)	0 (0)	32 (45)
Green Sunfish	0.0067 (0.0111)	0 (0)	132 (232)	9 (19)	0 (0)	141 (233)
TOTAL HARVEST	0.5897 (0.1532)	1,106 (577)	3,454 (1,208)	3,834 (1,403)	4,042 (1,939)	12,437 (2,742)
RELEASED						
Walleye	0.0021 (0.0032)	43 (68)	0 (0)	0 (0)	0 (0)	43 (68)
Northern pike	0.0411 (0.0159)	386 (209)	227 (144)	241 (183)	14 (18)	868 (313)
Largemouth bass	0.0035 (0.0041)	63 (83)	0 (0)	11 (19)	0 (0)	74 (86)
Smallmouth bass	0.0471 (0.0259)	494 (421)	257 (260)	205 (187)	36 (38)	992 (530)
Yellow Perch	3.1200 (0.7385)	2,683 (1,666)	23,708 (8,074)	22,349 NAN	17,062 (9,635)	65,802 (12,680)
Bluegill	0.2773 (0.1180)	1,283 (1,043)	3,015 (1,792)	1,502 (1,117)	48 (62)	5,849 (2,356)
Pumpkinseed	0.0057 (0.0074)	0 (0)	0 (0)	23 (46)	97 (149)	120 (156)
Rock bass	0.0252 (0.0150)	7 (13)	244 (214)	265 (219)	16 (30)	532 (308)
Black crappie	0.0148 (0.0269)	29 (57)	283 (562)	0 (0)	0 (0)	311 (565)
Common white sucker	0.0003 (0.0006)	6 (12)	0 (0)	0 (0)	0 (0)	6 (12)
Brown bullhead	0.0110 (0.0096)	34 (58)	76 (87)	26 (30)	96 (168)	231 (200)
Muskellunge	0.0004 (0.0008)	0 (0)	0 (0)	9 (18)	0 (0)	9 (18)
Bowfin	0.0004 (0.0007)	0 (0)	8 (16)	0 (0)	0 (0)	8 (16)
Green Sunfish	0.0059	91	33	0	0	124

	(0.0085)	(171)	(48)	(0)	(0)	(178)
TOTAL RELEASED	3.5547	5,118	27,851	24,632	17,369	74,970
	(0.7820)	(2,033)	(8,298)	NAN	(9,638)	(12,879)
TOTAL CATCH	4.1444	6,224	31,305	28,466	21,411	87,407
	(0.8451)	(2,113)	(8,385)	NAN	(9,831)	(13,168)
ANGLER HOURS		6,106	6,423	5,499	3,063	21,090
		(1,559)	(1,621)	(1,284)	(1,301)	(2,898)
ANGLER TRIPS		1,973	2,596	2,169	1,082	7,820
		(563)	(695)	(602)	(515)	(1,195)