

Survey Report for Lake Bellaire, Summer, 2009

Waterbody	LAKE BELLAIRE
Year	Summer, 2009
Sites	BELLAIRE
Survey period	April 25 to October 31
Interview type/mode	roving/boat, pier/dock
Count type/mode	aerial, progressive/
Survey purpose	Characterize general effort and catch aspects of the fishery

Notes

Survey followed a 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 the waterbody and direction of travel were randomized for both counting and interviewing. One count of anglers was made per day. Survey period for both counts and interviews was April 25 to October 31. Months were estimated separately. Estimates are given in the following tables.

Estimated harvest, catch per hour, and fishing pressure for Bellaire – boat fishery. Two standard errors are given in parentheses.

Species	C/H	April-May	June	July	August	Sept	October	Season
HARVEST								
Walleye	0.0711 (0.0399)	46 (37)	68 (54)	914 (619)	161 (98)	152 (119)	0 (0)	1,341 (642)
Northern pike	0.0059 (0.0062)	0 (0)	0 (0)	65 (104)	27 (33)	14 (24)	5 (9)	111 (112)
Largemouth bass	0.0007 (0.0014)	0 (0)	13 (26)	0 (0)	0 (0)	0 (0)	0 (0)	13 (26)
Smallmouth bass	0.0182 (0.0108)	70 (47)	110 (132)	82 (91)	25 (26)	51 (47)	6 (9)	344 (176)
Yellow Perch	0.0726 (0.0456)	56 (58)	152 (279)	513 (521)	42 (62)	480 (436)	127 (176)	1,369 (760)
Bluegill	0.0024 (0.0027)	0 (0)	0 (0)	0 (0)	4 (9)	41 (48)	0 (0)	45 (49)
Rock bass	0.0025 (0.0023)	3 (4)	20 (26)	14 (29)	2 (4)	7 (10)	0 (0)	46 (41)
OTH1	0.0002 (0.0003)	4 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	4 (6)
TOTAL HARVEST	0.1736 (0.0742)	179 (84)	363 (315)	1,588 (821)	262 (123)	745 (458)	137 (177)	3,274 (1,019)
RELEASED								
Walleye	0.1411 (0.1147)	0 (0)	117 (87)	2,228 (2,007)	227 (143)	88 (108)	0 (0)	2,660 (2,017)
Northern pike	0.0226 (0.0158)	60 (46)	7 (13)	218 (252)	37 (38)	64 (60)	40 (49)	426 (270)
Largemouth bass	0.0040 (0.0031)	38 (31)	2 (5)	0 (0)	4 (9)	29 (44)	2 (5)	76 (54)
Smallmouth bass	0.1066 (0.0440)	416 (189)	406 (196)	354 (287)	127 (85)	549 (400)	157 (128)	2,010 (583)
Yellow Perch	0.2881 (0.1626)	172 (173)	506 (595)	3,008 (2,441)	605 (424)	805 (446)	336 (376)	5,431 (2,620)
Bluegill	0.0005 (0.0010)	0 (0)	0 (0)	0 (0)	0 (0)	9 (19)	0 (0)	9 (19)
Rock bass	0.0058 (0.0037)	0 (0)	37 (42)	7 (14)	29 (31)	23 (24)	12 (21)	109 (63)
OTH1	0.0022 (0.0022)	0 (0)	19 (28)	0 (0)	11 (21)	12 (17)	0 (0)	41 (39)
TOTAL RELEASED	0.5708 (0.2449)	686 (262)	1,094 (635)	5,815 (3,183)	1,040 (459)	1,580 (614)	547 (401)	10,762 (3,369)
TOTAL CATCH	0.7445 (0.2873)	865 (275)	1,457 (709)	7,402 (3,288)	1,302 (475)	2,325 (766)	685 (438)	14,036 (3,520)
ANGLER HOURS		1,348 (422)	2,629 (817)	8,890 (5,245)	2,703 (1,034)	2,379 (979)	904 (441)	18,854 (5,530)
ANGLER TRIPS		395 (149)	890 (381)	3,784 (2,308)	1,067 (521)	718 (288)	281 (165)	7,135 (2,424)

Estimated harvest, catch per hour, and fishing pressure for Bellaire - dock fishery. Two standard errors are given in parentheses.

Species	C/H	April-May	June	July	August	Sept	October	Season
HARVEST								
Walleye	0 (0)	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)	0 (0)
Largemouth bass	0 (0)	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)	0 (0)
Yellow Perch	0 (0)	0 (0)	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)	0 (0)	0 (0)
Rock bass	0 (0)	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)	0 (0)
TOTAL HARVEST	0 (0)	0 (0)	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)	0 (0)	0 (0)
Northern pike	0 (0)	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)	0 (0)
Smallmouth bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Yellow Perch	0.0355 (0.0797)	0 (0)	0 (0)	14 (27)	0 (0)	0 (0)	0 (0)	14 (27)
Bluegill	0 (0)	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)	0 (0)
OTH1	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
TOTAL RELEASED	0.0355 (0.0797)	0 (0)	0 (0)	14 (27)	0 (0)	0 (0)	0 (0)	14 (27)
TOTAL CATCH	0.0355 (0.0797)	0 (0)	0 (0)	14 (27)	0 (0)	0 (0)	0 (0)	14 (27)
ANGLER HOURS		0 (0)	43 (85)	266 (377)	15 (29)	60 (69)	0 (0)	384 (393)
ANGLER TRIPS		0 (0)	57 (120)	355 (529)	19 (41)	80 (99)	0 (0)	511 (553)

Estimated harvest, catch per hour, and fishing pressure for Bellaire – dock and boat combined. Two standard errors are given in parentheses.

Species	C/H	April-May	June	July	August	Sept	October	Season
HARVEST								
Walleye	0.0697 (0.0389)	46 (37)	68 (54)	914 (619)	161 (98)	152 (119)	0 (0)	1,341 (642)
Northern pike	0.0057 (0.0061)	0 (0)	0 (0)	65 (104)	27 (33)	14 (24)	5 (9)	111 (112)
Largemouth bass	0.0007 (0.0014)	0 (0)	13 (26)	0 (0)	0 (0)	0 (0)	0 (0)	13 (26)
Smallmouth bass	0.0179 (0.0105)	70 (47)	110 (132)	82 (91)	25 (26)	51 (47)	6 (9)	344 (176)
Yellow Perch	0.0712 (0.0445)	56 (58)	152 (279)	513 (521)	42 (62)	480 (436)	127 (176)	1,369 (760)
Bluegill	0.0024 (0.0026)	0 (0)	0 (0)	0 (0)	4 (9)	41 (48)	0 (0)	45 (49)
Rock bass	0.0024 (0.0022)	3 (4)	20 (26)	14 (29)	2 (4)	7 (10)	0 (0)	46 (41)
OTH1	0.0002 (0.0003)	4 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	4 (6)
TOTAL HARVEST	0.1702 (0.0722)	179 (84)	363 (315)	1,588 (821)	262 (123)	745 (458)	137 (177)	3,274 (1,019)
RELEASED								
Walleye	0.1383 (0.1121)	0 (0)	117 (87)	2,228 (2,007)	227 (143)	88 (108)	0 (0)	2,660 (2,017)
Northern pike	0.0221 (0.0154)	60 (46)	7 (13)	218 (252)	37 (38)	64 (60)	40 (49)	426 (270)
Largemouth bass	0.0039 (0.0030)	38 (31)	2 (5)	0 (0)	4 (9)	29 (44)	2 (5)	76 (54)
Smallmouth bass	0.1045 (0.0427)	416 (189)	406 (196)	354 (287)	127 (85)	549 (400)	157 (128)	2,010 (583)
Yellow Perch	0.2830 (0.1587)	172 (173)	506 (595)	3,021 (2,441)	605 (424)	805 (446)	336 (376)	5,445 (2,620)
Bluegill	0.0005 (0.0010)	0 (0)	0 (0)	0 (0)	0 (0)	9 (19)	0 (0)	9 (19)
Rock bass	0.0057 (0.0037)	0 (0)	37 (42)	7 (14)	29 (31)	23 (24)	12 (21)	109 (63)
OTH1	0.0022 (0.0021)	0 (0)	19 (28)	0 (0)	11 (21)	12 (17)	0 (0)	41 (39)
TOTAL RELEASED	0.5602 (0.2382)	686 (262)	1,094 (635)	5,828 (3,183)	1,040 (459)	1,580 (614)	547 (401)	10,776 (3,369)
TOTAL CATCH	0.7303 (0.2789)	865 (275)	1,457 (709)	7,416 (3,288)	1,302 (475)	2,325 (766)	685 (438)	14,050 (3,520)
ANGLER HOURS		1,348 (422)	2,672 (821)	9,156 (5,258)	2,718 (1,034)	2,439 (982)	904 (441)	19,237 (5,544)
ANGLER TRIPS		395 (149)	947 (399)	4,139 (2,368)	1,086 (522)	798 (305)	281 (165)	7,647 (2,487)