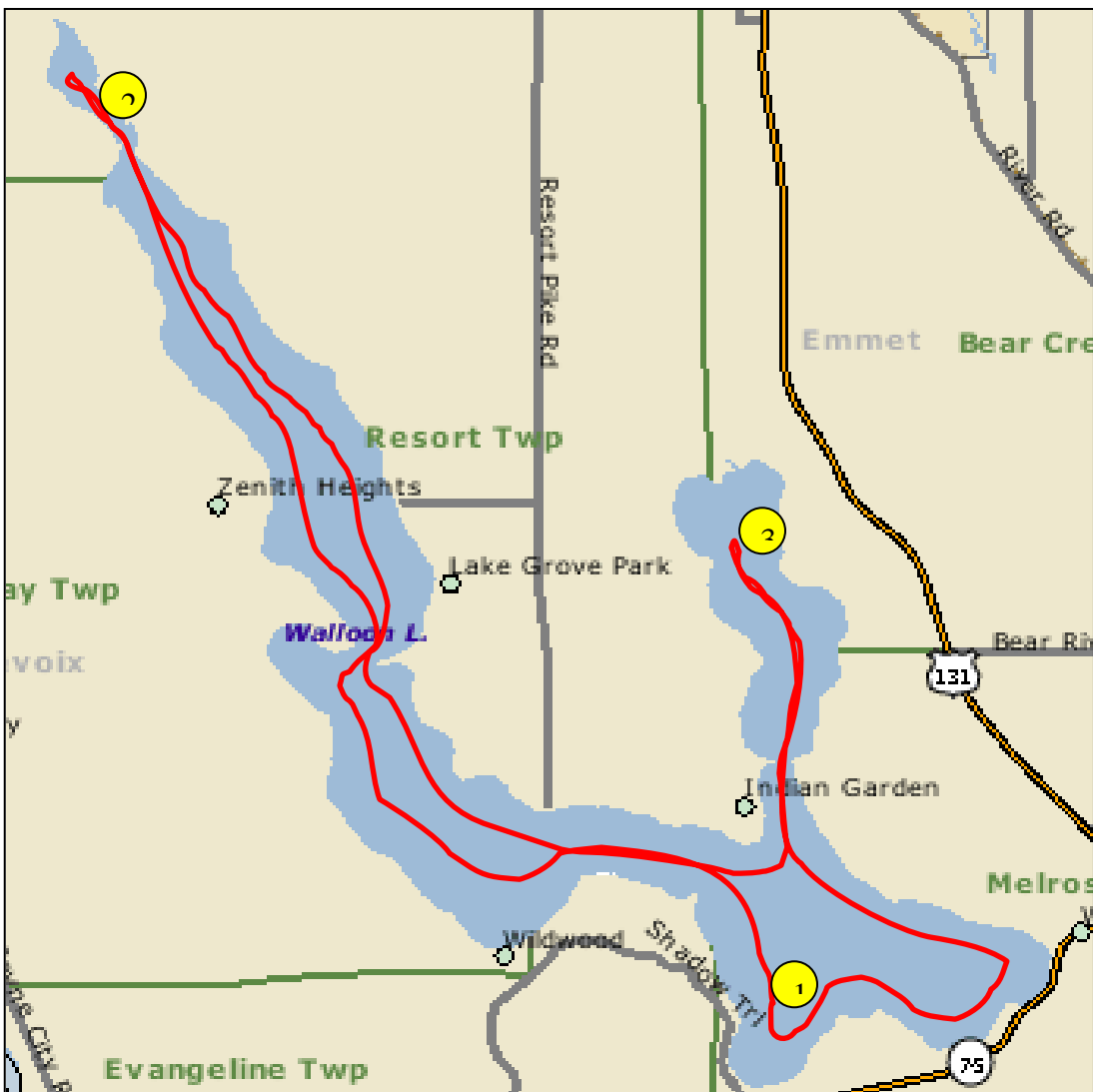


Survey Report for Walloon Lake, Charlevoix & Emmet, Summer, 2007

Waterbody	Walloon Lake
Year	Summer, 2007
County	Charlevoix & Emmet
Survey period	April 28 to October 31
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



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

Species	C/H	April-May	June	July	August	September	October	Season
HARVEST								
Walleye	0.0508 (0.0257)	17 (25)	62 (78)	547 (401)	252 (275)	276 (245)	0 (0)	1,154 (550)
Northern pike	0.0015 (0.0020)	34 (44)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	34 (44)
Largemouth bass	0.0027 (0.0042)	0 (0)	60 (96)	0 (0)	0 (0)	0 (0)	0 (0)	60 (96)
Smallmouth bass	0.0217 (0.0131)	99 (116)	231 (204)	93 (97)	6 (11)	64 (129)	0 (0)	493 (285)
Yellow Perch	0.2214 (0.0991)	360 (367)	1,552 (1,541)	345 (327)	350 (330)	1,863 (1,099)	559 (639)	5,029 (2,084)
Bluegill	0.1239 (0.0694)	277 (407)	1,145 (1,163)	451 (398)	319 (542)	622 (537)	0 (0)	2,814 (1,502)
Pumpkinseed	0.0120 (0.0112)	0 (0)	44 (89)	165 (197)	62 (124)	0 (0)	0 (0)	272 (249)
Rock bass	0.0180 (0.0153)	11 (21)	0 (0)	389 (339)	0 (0)	8 (16)	0 (0)	408 (340)
Rainbow trout	0.0082 (0.0074)	0 (0)	83 (121)	96 (111)	0 (0)	7 (14)	0 (0)	186 (165)
Lake trout	0.0005 (0.0010)	0 (0)	0 (0)	11 (23)	0 (0)	0 (0)	0 (0)	11 (23)
Brown bullhead	0.0018 (0.0022)	0 (0)	9 (19)	0 (0)	0 (0)	32 (46)	0 (0)	42 (49)
Channel catfish	0.0043 (0.0077)	0 (0)	0 (0)	87 (173)	10 (21)	0 (0)	0 (0)	97 (174)
TOTAL HARVEST	0.4668 (0.1422)	797 (562)	3,188 (1,951)	2,186 (795)	999 (703)	2,873 (1,255)	559 (639)	10,601 (2,689)
RELEASED								
Walleye	0.0567 (0.0308)	9 (17)	429 (503)	516 (360)	203 (216)	129 (109)	0 (0)	1,287 (665)
Northern pike	0.0037 (0.0046)	83 (103)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	83 (103)
Largemouth bass	0.0256 (0.0172)	204 (275)	211 (200)	141 (159)	26 (37)	0 (0)	0 (0)	581 (377)
Smallmouth bass	0.1652 (0.0574)	1,327 (854)	894 (472)	285 (208)	300 (272)	809 (451)	137 (169)	3,752 (1,141)
Yellow Perch	0.3292 (0.1409)	324 (346)	2,065 (1,918)	552 (437)	862 (573)	2,738 (1,767)	936 (1,099)	7,476 (2,941)
Bluegill	0.1889 (0.1181)	64 (128)	2,132 (2,360)	981 (692)	502 (546)	612 (558)	0 (0)	4,291 (2,583)
Pumpkinseed	0.0206 (0.0209)	0 (0)	11 (22)	355 (420)	103 (206)	0 (0)	0 (0)	469 (468)
Rock bass	0.0258 (0.0175)	43 (86)	0 (0)	433 (359)	77 (84)	32 (64)	0 (0)	585 (384)
Common white sucker	0.0008 (0.0011)	17 (25)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	17 (25)
Brown bullhead	0.0059 (0.0073)	0 (0)	0 (0)	26 (52)	0 (0)	107 (155)	0 (0)	133 (164)
Channel catfish	0.0005 (0.0009)	0 (0)	0 (0)	0 (0)	0 (0)	11 (21)	0 (0)	11 (21)

TOTAL RELEASED	0.8227 (0.2311)	2,070 (980)	5,742 (3,125)	3,289 (1,084)	2,073 (894)	4,438 (1,918)	1,072 (1,111)	18,686 (4,197)
TOTAL CATCH	1.2895 (0.3090)	2,867 (1,130)	8,930 (3,684)	5,475 (1,344)	3,072 (1,137)	7,311 (2,292)	1,631 (1,282)	29,287 (4,984)
ANGLER HOURS		3,237 (1,356)	6,020 (2,342)	5,040 (1,685)	4,264 (1,707)	3,641 (1,174)	510 (468)	22,712 (3,831)
ANGLER TRIPS		1,217 (988)	2,095 (1,284)	1,636 (1,144)	1,559 (928)	2,365 (1,065)	229 (289)	9,101 (2,452)

TOTAL RELEASED	NAN	0	0	0	0	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
TOTAL CATCH	NAN	0	0	0	0	0	0	0
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
ANGLER HOURS		0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)
ANGLER TRIPS		0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)

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

Species	C/H	April-May	June	July	August	September	October	Season
HARVEST								
Walleye	0.0508 (0.0257)	17 (25)	62 (78)	547 (401)	252 (275)	276 (245)	0 (0)	1,154 (550)
Northern pike	0.0015 (0.0020)	34 (44)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	34 (44)
Largemouth bass	0.0027 (0.0042)	0 (0)	60 (96)	0 (0)	0 (0)	0 (0)	0 (0)	60 (96)
Smallmouth bass	0.0217 (0.0131)	99 (116)	231 (204)	93 (97)	6 (11)	64 (129)	0 (0)	493 (285)
Yellow Perch	0.2214 (0.0991)	360 (367)	1,552 (1,541)	345 (327)	350 (330)	1,863 (1,099)	559 (639)	5,029 (2,084)
Bluegill	0.1239 (0.0694)	277 (407)	1,145 (1,163)	451 (398)	319 (542)	622 (537)	0 (0)	2,814 (1,502)
Pumpkinseed	0.0120 (0.0112)	0 (0)	44 (89)	165 (197)	62 (124)	0 (0)	0 (0)	272 (249)
Rock bass	0.0180 (0.0153)	11 (21)	0 (0)	389 (339)	0 (0)	8 (16)	0 (0)	408 (340)
Rainbow trout	0.0082 (0.0074)	0 (0)	83 (121)	96 (111)	0 (0)	7 (14)	0 (0)	186 (165)
Lake trout	0.0005 (0.0010)	0 (0)	0 (0)	11 (23)	0 (0)	0 (0)	0 (0)	11 (23)
Brown bullhead	0.0018 (0.0022)	0 (0)	9 (19)	0 (0)	0 (0)	32 (46)	0 (0)	42 (49)
Channel catfish	0.0043 (0.0077)	0 (0)	0 (0)	87 (173)	10 (21)	0 (0)	0 (0)	97 (174)
TOTAL HARVEST	0.4668 (0.1422)	797 (562)	3,188 (1,951)	2,186 (795)	999 (703)	2,873 (1,255)	559 (639)	10,601 (2,689)
RELEASED								
Walleye	0.0567 (0.0308)	9 (17)	429 (503)	516 (360)	203 (216)	129 (109)	0 (0)	1,287 (665)
Northern pike	0.0037 (0.0046)	83 (103)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	83 (103)
Largemouth bass	0.0256 (0.0172)	204 (275)	211 (200)	141 (159)	26 (37)	0 (0)	0 (0)	581 (377)
Smallmouth bass	0.1652 (0.0574)	1,327 (854)	894 (472)	285 (208)	300 (272)	809 (451)	137 (169)	3,752 (1,141)
Yellow Perch	0.3292 (0.1409)	324 (346)	2,065 (1,918)	552 (437)	862 (573)	2,738 (1,767)	936 (1,099)	7,476 (2,941)
Bluegill	0.1889 (0.1181)	64 (128)	2,132 (2,360)	981 (692)	502 (546)	612 (558)	0 (0)	4,291 (2,583)
Pumpkinseed	0.0206 (0.0209)	0 (0)	11 (22)	355 (420)	103 (206)	0 (0)	0 (0)	469 (468)
Rock bass	0.0258 (0.0175)	43 (86)	0 (0)	433 (359)	77 (84)	32 (64)	0 (0)	585 (384)
Common white sucker	0.0008 (0.0011)	17 (25)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	17 (25)
Brown bullhead	0.0059 (0.0073)	0 (0)	0 (0)	26 (52)	0 (0)	107 (155)	0 (0)	133 (164)
Channel catfish	0.0005 (0.0009)	0 (0)	0 (0)	0 (0)	0 (0)	11 (21)	0 (0)	11 (21)

TOTAL RELEASED	0.8227 (0.2311)	2,070 (980)	5,742 (3,125)	3,289 (1,084)	2,073 (894)	4,438 (1,918)	1,072 (1,111)	18,686 (4,197)
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