

## Survey 58 Lake Gogebic, Gogebic County, Winter, 2005-2006

<b>Waterbody</b>	Lake Gogebic
<b>Year</b>	Winter, 2005-2006
<b>County</b>	Gogebic
<b>Survey period</b>	December 22, 2005 to March 27, 2006
<b>Survey design</b>	Roving-roving (roving counts and interviews)
<b>Interview type/mode</b>	Roving /open ice, shanty
<b>Count type/mode</b>	Roving /open ice and shanty
<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 angler-creel 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. Progressive counts of open ice and shanty anglers were made once per day. Survey period for both counts and interviews was December 22 to March 27. Months were estimated separately. Estimates are given in Tables 2-4.

Figure 1.— Creel clerk interview and count path for the Lake Gogebic angler survey

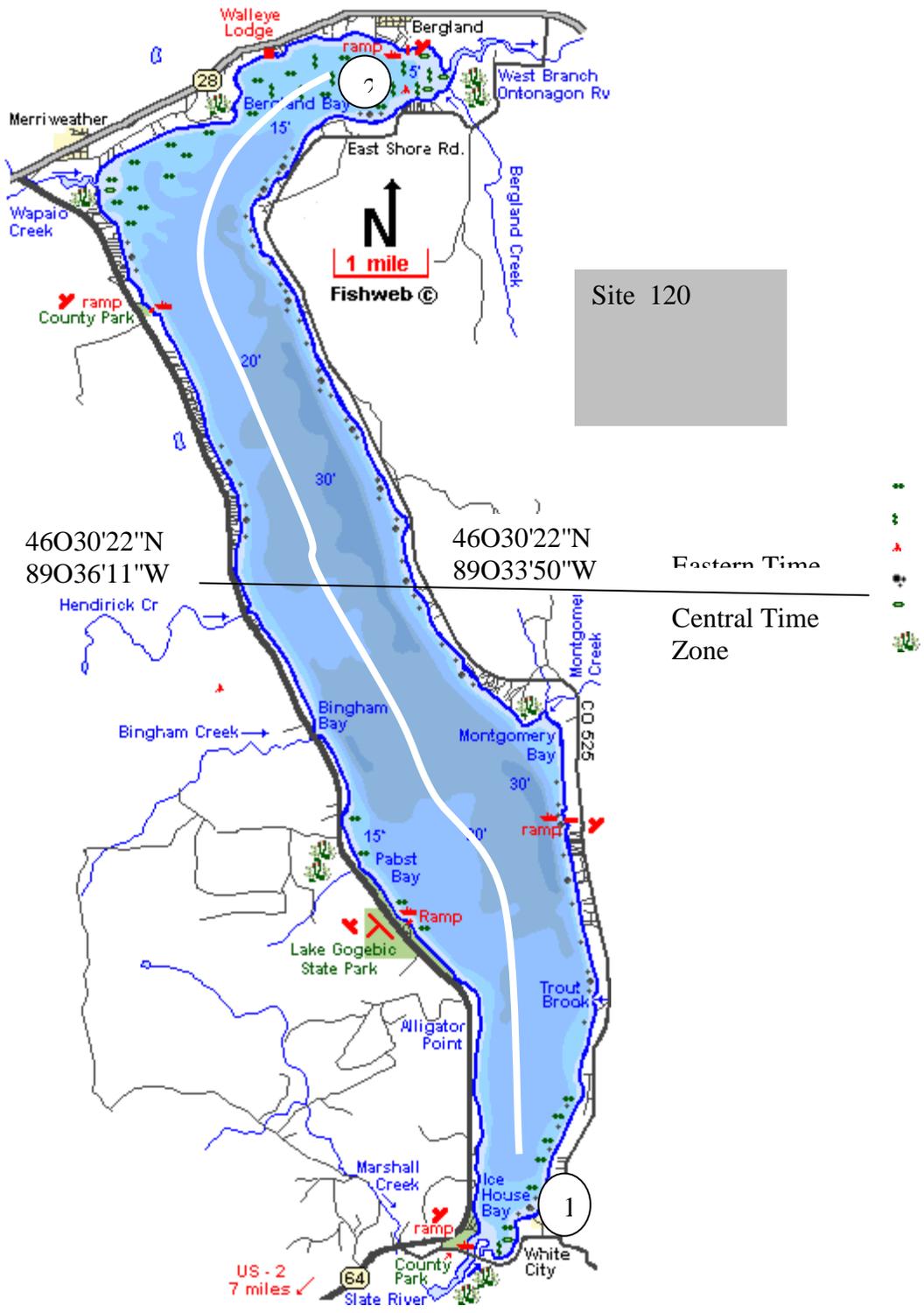


Table 1. Expansion values (referred to as “*F*” in Lockwood et al. 1999) to estimate catch and effort at Lake Gogebic, December 22 to March 27, Winter, 2005-2006

	Year	Month	F
1	2005	12	12
2	2006	1	11
3	2006	2	11
4	2006	3	13

Table 2. Estimated harvest, catch per hour, and fishing pressure for open ice. Two standard errors are given in parentheses.

Species	C/H	December-January	February	March	Season
<b>HARVEST</b>					
Cisco	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Walleye	0.0686 (0.0850)	197 (222)	8 (15)	0 (0)	205 (223)
Yellow Perch	0.0536 (0.0512)	121 (110)	25 (39)	14 (23)	160 (119)
Northern pike	0.0022 (0.0045)	6 (13)	0 (0)	0 (0)	6 (13)
Pumpkinseed	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Rock bass	0.0478 (0.0998)	143 (285)	0 (0)	0 (0)	143 (285)
Common white sucker	0.0011 (0.0023)	3 (6)	0 (0)	0 (0)	3 (6)
<b>TOTAL HARVEST</b>	<b>0.1733 (0.1642)</b>	<b>470 (378)</b>	<b>33 (42)</b>	<b>14 (23)</b>	<b>517 (381)</b>
<b>RELEASED</b>					
Cisco	0.0019 (0.0039)	6 (11)	0 (0)	0 (0)	6 (11)
Smallmouth bass	0.0060 (0.0100)	13 (26)	0 (0)	5 (10)	18 (28)
Walleye	0.0289 (0.0384)	85 (102)	2 (4)	0 (0)	86 (102)
Northern pike	0.0084 (0.0105)	21 (26)	4 (8)	0 (0)	25 (28)
Common white sucker	0.0013 (0.0026)	4 (8)	0 (0)	0 (0)	4 (8)
Rock bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Pumpkinseed	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Yellow Perch	0.0037 (0.0051)	8 (13)	3 (6)	0 (0)	11 (14)
<b>TOTAL RELEASED</b>	<b>0.0502 (0.0477)</b>	<b>136 (110)</b>	<b>9 (10)</b>	<b>5 (10)</b>	<b>150 (111)</b>
<b>TOTAL CATCH</b>	<b>0.2235 (0.1881)</b>	<b>606 (394)</b>	<b>42 (43)</b>	<b>19 (25)</b>	<b>667 (397)</b>
<b>ANGLER HOURS</b>		<b>2,113 (1,590)</b>	<b>189 (203)</b>	<b>681 (760)</b>	<b>2,984 (1,774)</b>
<b>ANGLER TRIPS</b>		<b>885 (761)</b>	<b>83 (94)</b>	<b>261 (356)</b>	<b>1,229 (845)</b>

Table 3. Estimated harvest, catch per hour, and fishing pressure for shanty. Two standard errors are given in parentheses.

Species	C/H	December-January	February	March	Season
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HARVEST					
Cisco	0.0008	10	0	0	10
	(0.0012)	(15)	(0)	(0)	(15)
Walleye	0.0289	347	25	0	372
	(0.0185)	(211)	(22)	(0)	(212)
Yellow Perch	0.0733	638	70	236	944
	(0.0380)	(359)	(76)	(171)	(405)
Northern pike	0.0056	64	8	0	72
	(0.0054)	(65)	(10)	(0)	(66)
Pumpkinseed	0.0003	0	4	0	4
	(0.0006)	(0)	(8)	(0)	(8)
Rock bass	0.0018	20	2	0	23
	(0.0032)	(41)	(5)	(0)	(41)
Common white sucker	0.0014	18	0	0	18
	(0.0021)	(27)	(0)	(0)	(27)
TOTAL HARVEST	0.1120	1,098	109	236	1,444
	(0.0488)	(424)	(80)	(171)	(464)
RELEASED					
Cisco	0	0	0	0	0
	(0)	(0)	(0)	(0)	(0)
Smallmouth bass	0.0005	0	4	3	7
	(0.0008)	(0)	(7)	(6)	(10)
Walleye	0.0395	442	41	26	509
	(0.0234)	(257)	(49)	(25)	(262)
Northern pike	0.0236	215	70	18	304
	(0.0166)	(177)	(73)	(37)	(195)
Common white sucker	0.0017	15	0	8	22
	(0.0026)	(29)	(0)	(15)	(33)
Rock bass	0.0050	46	19	0	65
	(0.0078)	(92)	(38)	(0)	(99)
Pumpkinseed	0.0006	0	8	0	8
	(0.0012)	(0)	(15)	(0)	(15)
Yellow Perch	0.0298	302	5	77	384
	(0.0318)	(385)	(7)	(85)	(394)
TOTAL RELEASED	0.1007	1,020	146	132	1,298
	(0.0502)	(505)	(97)	(98)	(523)
TOTAL CATCH	0.2128	2,118	256	368	2,742
	(0.0827)	(659)	(126)	(197)	(700)
ANGLER HOURS		7,821	2,601	2,466	12,888
		(3,435)	(1,069)	(1,148)	(3,777)
ANGLER TRIPS		1,627	447	573	2,647
		(866)	(228)	(278)	(937)

Table 4. Estimated harvest, catch per hour, and fishing pressure for Lake Gogebic. Two standard errors are given in parentheses.

<b>Species</b>	<b>C/H</b>	<b>December- January</b>	<b>February</b>	<b>March</b>	<b>Season</b>
<b>HARVEST</b>					
Cisco	0.0006 (0.0010)	10 (15)	0 (0)	0 (0)	10 (15)
Walleye	0.0364 (0.0216)	544 (306)	33 (27)	0 (0)	577 (308)
Yellow Perch	0.0696 (0.0323)	759 (375)	95 (85)	250 (172)	1,104 (422)
Northern pike	0.0050 (0.0044)	70 (66)	8 (10)	0 (0)	79 (67)
Pumpkinseed	0.0002 (0.0005)	0 (0)	4 (8)	0 (0)	4 (8)
Rock bass	0.0104 (0.0184)	163 (288)	2 (5)	0 (0)	165 (288)
Common white sucker	0.0014 (0.0018)	22 (28)	0 (0)	0 (0)	22 (28)
<b>TOTAL HARVEST</b>	<b>0.1235 (0.0499)</b>	<b>1,568 (569)</b>	<b>142 (91)</b>	<b>250 (172)</b>	<b>1,961 (601)</b>
<b>RELEASED</b>					
Cisco	0.0004 (0.0007)	6 (11)	0 (0)	0 (0)	6 (11)
Smallmouth bass	0.0016 (0.0019)	13 (26)	4 (7)	8 (12)	25 (29)
Walleye	0.0375 (0.0203)	527 (276)	43 (49)	26 (25)	596 (282)
Northern pike	0.0207 (0.0135)	236 (179)	74 (73)	18 (37)	329 (197)
Common white sucker	0.0016 (0.0022)	18 (30)	0 (0)	8 (15)	26 (34)
Rock bass	0.0041 (0.0064)	46 (92)	19 (38)	0 (0)	65 (99)
Pumpkinseed	0.0005 (0.0010)	0 (0)	8 (15)	0 (0)	8 (15)
Yellow Perch	0.0249 (0.0257)	310 (385)	8 (9)	77 (85)	395 (395)
<b>TOTAL RELEASED</b>	<b>0.0912 (0.0414)</b>	<b>1,156 (517)</b>	<b>155 (98)</b>	<b>137 (98)</b>	<b>1,448 (535)</b>
<b>TOTAL CATCH</b>	<b>0.2148 (0.0759)</b>	<b>2,725 (768)</b>	<b>297 (133)</b>	<b>387 (198)</b>	<b>3,409 (804)</b>
<b>ANGLER HOURS</b>		<b>9,934 (3,785)</b>	<b>2,790 (1,088)</b>	<b>3,147 (1,377)</b>	<b>15,872 (4,173)</b>
<b>ANGLER TRIPS</b>		<b>2,512 (1,152)</b>	<b>531 (246)</b>	<b>834 (452)</b>	<b>3,876 (1,262)</b>