

## Survey Report for Big Manistique Lake, March, 2010

<b>Waterbody</b>	Big Manistique Lake
<b>Year</b>	March, 2010
<b>County</b>	Luce/Mackinaw
<b>Survey period</b>	March 1 to March 15
<b>Survey design</b>	roving/open ice, 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 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. Counts of anglers were made once per day. Survey period for both counts and interviews was March 1 to March 15. Months were estimated separately. Estimates are given in the following Tables.

Table –Work shifts used to estimate catch and effort at Big Manistique Lake,

March 1 to March 15, Winter, 2010

	Year	Month	F
1	2010	3	13

Estimated harvest, catch per hour, and fishing pressure for Big Manistique Lake \_open ice. Two standard errors are given in parentheses.

Species	C/H	March
<b>HARVEST</b>		
Walleye	0.0169 (0.0201)	91 (100)
Northern pike	0.0163 (0.0159)	88 (74)
Yellow Perch	0.8191 (0.6220)	4,445 (2,578)
Cisco	0.0091 (0.0096)	50 (46)
<b>TOTAL HARVEST</b>	<b>0.8614</b> (0.6360)	<b>4,674</b> (2,581)
<b>RELEASED</b>		
Walleye	0.1849 (0.1420)	1,003 (593)
Northern pike	0.0476 (0.0368)	258 (154)
Yellow Perch	1.6106 (1.2984)	8,740 (5,594)
Common white sucker	0.0017 (0.0036)	9 (19)
<b>TOTAL RELEASED</b>	<b>1.8449</b> (1.3759)	<b>10,011</b> (5,628)
<b>TOTAL CATCH</b>	<b>2.7062</b> (1.7496)	<b>14,686</b> (6,191)
<b>ANGLER HOURS</b>		<b>5,427</b> (2,660)
<b>ANGLER TRIPS</b>		<b>962</b> (526)

Estimated harvest, catch per hour, and fishing pressure for Big Manistique Lake \_shanty.  
Two standard errors are given in parentheses.

Species	C/H	March
<b>HARVEST</b>		
Walleye	0 (0)	0 (0)
Northern pike	0.0712 (0.1379)	57 (93)
Yellow Perch	0.1221 (0.2453)	97 (168)
Cisco	0 (0)	0 (0)
<b>TOTAL HARVEST</b>	<b>0.1933</b> <b>(0.3118)</b>	<b>154</b> <b>(192)</b>
<b>RELEASED</b>		
Walleye	0.0475 (0.1065)	38 (75)
Northern pike	0.0610 (0.1226)	48 (84)
Yellow Perch	0.7720 (1.2633)	613 (785)
Common white sucker	0 (0)	0 (0)
<b>TOTAL RELEASED</b>	<b>0.8805</b> <b>(1.3425)</b>	<b>700</b> <b>(793)</b>
<b>TOTAL CATCH</b>	<b>1.0738</b> <b>(1.5010)</b>	<b>853</b> <b>(816)</b>
<b>ANGLER HOURS</b>		<b>795</b> <b>(810)</b>
<b>ANGLER TRIPS</b>		<b>134</b> <b>(142)</b>

Estimated harvest, catch per hour, and fishing pressure for Manistique Lake\_all modes.  
Two standard errors are given in parentheses.

Species	C/H	March
<b>HARVEST</b>		
Walleye	0.0147 (0.0173)	91 (100)
Northern pike	0.0233 (0.0218)	145 (119)
Yellow Perch	0.7301 (0.5281)	4,542 (2,583)
Cisco	0.0080 (0.0082)	50 (46)
<b>TOTAL HARVEST</b>	<b>0.7760</b> (0.5417)	<b>4,828</b> (2,589)
<b>RELEASED</b>		
Walleye	0.1673 (0.1218)	1,041 (598)
Northern pike	0.0493 (0.0358)	307 (175)
Yellow Perch	1.5035 (1.1296)	9,354 (5,649)
Common white sucker	0.0015 (0.0031)	9 (19)
<b>TOTAL RELEASED</b>	<b>1.7217</b> (1.1944)	<b>10,711</b> (5,683)
<b>TOTAL CATCH</b>	<b>2.4977</b> (1.5012)	<b>15,539</b> (6,245)
<b>ANGLER HOURS</b>		<b>6,221</b> (2,780)
<b>ANGLER TRIPS</b>		<b>1,096</b> (545)