

## Survey Report for AuSable, , Summer, 2009

<b>Waterbody</b>	AuSable
<b>Year</b>	Summer, 2009
<b>County</b>	Oscoda
<b>Sites</b>	250, 250A, 250B, 251
<b>Survey period</b>	April 25 to September 30
<b>Survey design</b>	Roving-access (roving counts and access interviews)
<b>Interview type/mode</b>	access/boat, shore
<b>Count type/mode</b>	roving/boat and shore
<b>Clerk time</b>	Three full time clerks, one of them is a count clerk
<b>Survey purpose</b>	Characterize general effort and catch aspects of the fishery

### Notes

Survey followed a roving-access (roving counts and access interviews) design. All funding was provided through Fisheries Division. Surveys were carried out in conjunction with Huron Pines. Three clerks worked full time to collect angling (interview and count) data. Both weekend days and 3 randomly selected weekdays were selected for sampling during each week of the survey season. No holidays were sampled. Clerks followed a randomized count and interview schedule. One of two shifts was selected each sample day. AuSable was divided into 4 sections: 250, 250A, 250B, 251. Each section was sampled per day. Starting location within a section and direction of travel were randomized for both counting and interviewing. Roving counts of boat and shore anglers were made once per day. Survey period for both counts and interviews was April 25 to September 30. Months were estimated separately. Estimates are given in the following tables.

### Sections:

AuSable River between Mio impoundment and M-33, including Mio/MDOT PAS	<b>Site:</b> 250
AuSable River between M-33 and the Power Line, including the Loop Campground	250A
AuSable River between the Power Line and Comins Flats, including Comins Flats PAS	250B
AuSable River between Comins Flats and McKinley Bridge, including McKinley PAS	251

Table –Work shifts used to estimate catch and effort at AuSable, April 25 to September 30, Summer, 2009

	Year	Month	F
1	2009	5	16
2	2009	6	17
3	2009	7	16
4	2009	8	16
5	2009	9	15
6	2009	4	16



Estimated harvest, catch per hour, and fishing pressure for 250\_shore. Two standard errors are given in parentheses.

Species	C/H	April-May	June	July	August	September	Season
<b>HARVEST</b>							
Rainbow trout	0.0064 (0.0132)	0 (0)	0 (0)	0 (0)	31 (64)	0 (0)	31 (64)
Brown trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
<b>TOTAL HARVEST</b>	<b>0.0064 (0.0132)</b>	<b>0 (0)</b>	<b>0 (0)</b>	<b>0 (0)</b>	<b>31 (64)</b>	<b>0 (0)</b>	<b>31 (64)</b>
<b>RELEASED</b>							
Walleye	0.0046 (0.0071)	0 (0)	0 (0)	0 (0)	22 (34)	0 (0)	22 (34)
Northern pike	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Smallmouth bass	0.0282 (0.0442)	0 (0)	0 (0)	103 (204)	33 (56)	0 (0)	136 (211)
Yellow Perch	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bluegill	0.0688 (0.0588)	0 (0)	186 (223)	16 (21)	88 (131)	43 (81)	333 (272)
Pumpkinseed	0.0654 (0.0632)	0 (0)	0 (0)	220 (273)	97 (113)	0 (0)	317 (296)
Rock bass	0.0539 (0.0509)	0 (0)	186 (223)	0 (0)	75 (83)	0 (0)	261 (238)
Rainbow trout	0.2543 (0.2268)	0 (0)	62 (116)	433 (601)	672 (852)	65 (98)	1,232 (1,053)
Brown trout	0.1024 (0.1713)	0 (0)	23 (43)	427 (815)	46 (86)	0 (0)	496 (820)
Common white sucker	0.0014 (0.0027)	0 (0)	0 (0)	0 (0)	7 (13)	0 (0)	7 (13)
Brook trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
<b>TOTAL RELEASED</b>	<b>0.5788 (0.3300)</b>	<b>0 (0)</b>	<b>457 (338)</b>	<b>1,199 (1,068)</b>	<b>1,041 (880)</b>	<b>108 (127)</b>	<b>2,804 (1,430)</b>
<b>TOTAL CATCH</b>	<b>0.5851 (0.3310)</b>	<b>0 (0)</b>	<b>457 (338)</b>	<b>1,199 (1,068)</b>	<b>1,072 (882)</b>	<b>108 (127)</b>	<b>2,835 (1,432)</b>
<b>ANGLER HOURS</b>		<b>904 (322)</b>	<b>1,030 (443)</b>	<b>1,285 (894)</b>	<b>805 (533)</b>	<b>822 (376)</b>	<b>4,846 (1,235)</b>
<b>ANGLER TRIPS</b>		<b>381 (165)</b>	<b>414 (234)</b>	<b>553 (399)</b>	<b>351 (223)</b>	<b>384 (196)</b>	<b>2,083 (574)</b>

Estimated harvest, catch per hour, and fishing pressure for 250a\_boat. Two standard errors are given in parentheses.

Species	C/H	April-May	June	July	August	September	Season
<b>HARVEST</b>							
Rainbow trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Brown trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
<b>TOTAL HARVEST</b>	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
<b>RELEASED</b>							
Walleye	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)
Smallmouth bass	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)
Bluegill	0 (0)	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)	0 (0)
Rock bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Rainbow trout	0.5793 (0.3648)	0 (0)	34 (55)	0 (0)	155 NAN	0 (0)	189 (55)
Brown trout	1.9454 (2.4690)	0 (0)	429 (725)	0 (0)	207 NAN	0 (0)	636 (725)
Common white sucker	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Brook trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
<b>TOTAL RELEASED</b>	2.5247 (2.6323)	0 (0)	464 (727)	0 (0)	362 NAN	0 (0)	826 (727)
<b>TOTAL CATCH</b>	2.5247 (2.6323)	0 (0)	464 (727)	0 (0)	362 NAN	0 (0)	826 (727)
<b>ANGLER HOURS</b>		0 (0)	120 (182)	0 (0)	207 NAN	0 (0)	327 (182)
<b>ANGLER TRIPS</b>		0 (0)	40 (81)	0 (0)	69 NAN	0 (0)	109 (81)

Estimated harvest, catch per hour, and fishing pressure for 250a\_shore. Two standard errors are given in parentheses.

Species	C/H	April-May	June	July	August	September	Season
<b>HARVEST</b>							
Rainbow trout	0.0019 (0.0039)	0 (0)	0 (0)	0 (0)	6 (13)	0 (0)	6 (13)
Brown trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
<b>TOTAL HARVEST</b>	<b>0.0019 (0.0039)</b>	<b>0 (0)</b>	<b>0 (0)</b>	<b>0 (0)</b>	<b>6 (13)</b>	<b>0 (0)</b>	<b>6 (13)</b>
<b>RELEASED</b>							
Walleye	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)
Smallmouth bass	0.0410 (0.0811)	0 (0)	137 (270)	0 (0)	0 (0)	0 (0)	137 (270)
Yellow Perch	0.0410 (0.0811)	0 (0)	137 (270)	0 (0)	0 (0)	0 (0)	137 (270)
Bluegill	0 (0)	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)	0 (0)
Rock bass	0.0076 (0.0123)	0 (0)	0 (0)	0 (0)	26 (41)	0 (0)	26 (41)
Rainbow trout	1.9024 (1.7191)	4,563 (5,522)	362 (315)	536 (365)	547 (542)	369 (355)	6,376 (5,581)
Brown trout	0.7525 (0.3934)	1,264 (1,023)	401 (360)	279 (209)	407 (413)	171 (165)	2,522 (1,191)
Common white sucker	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Brook trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
<b>TOTAL RELEASED</b>	<b>2.7446 (1.8144)</b>	<b>5,827 (5,616)</b>	<b>1,038 (612)</b>	<b>815 (420)</b>	<b>980 (682)</b>	<b>539 (391)</b>	<b>9,199 (5,720)</b>
<b>TOTAL CATCH</b>	<b>2.7465 (1.8146)</b>	<b>5,827 (5,616)</b>	<b>1,038 (612)</b>	<b>815 (420)</b>	<b>987 (682)</b>	<b>539 (391)</b>	<b>9,205 (5,720)</b>
<b>ANGLER HOURS</b>		<b>1,172 (454)</b>	<b>478 (266)</b>	<b>496 (293)</b>	<b>710 (364)</b>	<b>495 (267)</b>	<b>3,352 (753)</b>
<b>ANGLER TRIPS</b>		<b>638 (265)</b>	<b>349 (204)</b>	<b>139 (94)</b>	<b>274 (180)</b>	<b>95 (74)</b>	<b>1,495 (398)</b>

Estimated harvest, catch per hour, and fishing pressure for 250b\_boat. Two standard errors are given in parentheses.

Species	C/H	April-May	June	July	August	September	Season
<b>HARVEST</b>							
Rainbow trout	0.0012 (0.0025)	0 (0)	0 (0)	0 (0)	12 (24)	0 (0)	12 (24)
Brown trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
<b>TOTAL HARVEST</b>	<b>0.0012 (0.0025)</b>	<b>0 (0)</b>	<b>0 (0)</b>	<b>0 (0)</b>	<b>12 (24)</b>	<b>0 (0)</b>	<b>12 (24)</b>
<b>RELEASED</b>							
Walleye	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)
Smallmouth bass	0.0005 (0.0009)	0 (0)	4 (9)	0 (0)	0 (0)	0 (0)	4 (9)
Yellow Perch	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)
Pumpkinseed	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)
Rainbow trout	0.5763 (0.2100)	1,452 (646)	939 (507)	1,728 (1,391)	687 (485)	875 (468)	5,681 (1,751)
Brown trout	0.4412 (0.1502)	1,855 (896)	892 (530)	554 (390)	442 (393)	606 (293)	4,349 (1,215)
Common white sucker	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Brook trout	0.0015 (0.0017)	0 (0)	9 (12)	0 (0)	6 (11)	0 (0)	15 (16)
<b>TOTAL RELEASED</b>	<b>1.0194 (0.2933)</b>	<b>3,307 (1,105)</b>	<b>1,844 (733)</b>	<b>2,282 (1,445)</b>	<b>1,135 (625)</b>	<b>1,481 (552)</b>	<b>10,049 (2,131)</b>
<b>TOTAL CATCH</b>	<b>1.0206 (0.2935)</b>	<b>3,307 (1,105)</b>	<b>1,844 (733)</b>	<b>2,282 (1,445)</b>	<b>1,147 (625)</b>	<b>1,481 (552)</b>	<b>10,061 (2,131)</b>
<b>ANGLER HOURS</b>		<b>4,090 (1,366)</b>	<b>1,391 (665)</b>	<b>1,039 (598)</b>	<b>1,248 (713)</b>	<b>2,092 (709)</b>	<b>9,858 (1,918)</b>
<b>ANGLER TRIPS</b>		<b>743 (255)</b>	<b>306 (151)</b>	<b>193 (115)</b>	<b>276 (163)</b>	<b>430 (153)</b>	<b>1,948 (388)</b>

Estimated harvest, catch per hour, and fishing pressure for 250b\_shore. Two standard errors are given in parentheses.

Species	C/H	April-May	June	July	August	September	Season
<b>HARVEST</b>							
Rainbow trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Brown trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
<b>TOTAL HARVEST</b>	<b>0 (0)</b>	<b>0 (0)</b>	<b>0 (0)</b>	<b>0 (0)</b>	<b>0 (0)</b>	<b>0 (0)</b>	<b>0 (0)</b>
<b>RELEASED</b>							
Walleye	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)
Smallmouth bass	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)
Bluegill	0.0022 (0.0045)	0 (0)	0 (0)	16 (32)	0 (0)	0 (0)	16 (32)
Pumpkinseed	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)
Rainbow trout	1.2190 (0.4023)	3,087 (1,382)	3,546 (1,644)	1,306 (884)	646 (364)	70 (89)	8,656 (2,353)
Brown trout	0.8763 (0.3434)	2,170 (946)	2,524 (1,759)	1,104 (729)	333 (217)	91 (151)	6,223 (2,142)
Common white sucker	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Brook trout	0.1364 (0.1375)	0 (0)	969 (959)	0 (0)	0 (0)	0 (0)	969 (959)
<b>TOTAL RELEASED</b>	<b>2.2340 (0.6276)</b>	<b>5,258 (1,675)</b>	<b>7,039 (2,591)</b>	<b>2,426 (1,146)</b>	<b>979 (424)</b>	<b>161 (175)</b>	<b>15,863 (3,323)</b>
<b>TOTAL CATCH</b>	<b>2.2340 (0.6276)</b>	<b>5,258 (1,675)</b>	<b>7,039 (2,591)</b>	<b>2,426 (1,146)</b>	<b>979 (424)</b>	<b>161 (175)</b>	<b>15,863 (3,323)</b>
<b>ANGLER HOURS</b>		1,742 (522)	1,943 (761)	1,271 (448)	901 (379)	1,244 (756)	7,101 (1,329)
<b>ANGLER TRIPS</b>		471 (157)	608 (307)	414 (175)	316 (158)	230 (169)	2,040 (451)

Estimated harvest, catch per hour, and fishing pressure for 251\_boat. Two standard errors are given in parentheses.

Species	C/H	April-May	June	July	August	September	Season
<b>HARVEST</b>							
Rainbow trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Brown trout	0.0021 (0.0045)	9 (20)	0 (0)	0 (0)	0 (0)	0 (0)	9 (20)
<b>TOTAL HARVEST</b>	<b>0.0021 (0.0045)</b>	<b>9 (20)</b>	<b>0 (0)</b>	<b>0 (0)</b>	<b>0 (0)</b>	<b>0 (0)</b>	<b>9 (20)</b>
<b>RELEASED</b>							
Walleye	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)
Smallmouth bass	0.0182 (0.0038)	0 (0)	0 (0)	0 (0)	80 NAN	0 (0)	80 (0)
Yellow Perch	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)
Pumpkinseed	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)
Rainbow trout	0.5939 (0.1623)	587 (459)	741 NAN	44 NAN	1,198 NAN	29 (58)	2,600 (463)
Brown trout	0.5027 (0.2048)	961 (752)	869 NAN	44 NAN	240 NAN	87 (174)	2,201 (772)
Common white sucker	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Brook trout	0.0101 (0.0021)	0 (0)	0 (0)	44 NAN	0 (0)	0 (0)	44 (0)
<b>TOTAL RELEASED</b>	<b>1.1249 (0.3109)</b>	<b>1,548 (881)</b>	<b>1,610 NAN</b>	<b>132 NAN</b>	<b>1,518 NAN</b>	<b>116 (183)</b>	<b>4,924 (900)</b>
<b>TOTAL CATCH</b>	<b>1.1270 (0.3113)</b>	<b>1,558 (882)</b>	<b>1,610 NAN</b>	<b>132 NAN</b>	<b>1,518 NAN</b>	<b>116 (183)</b>	<b>4,934 (900)</b>
<b>ANGLER HOURS</b>		<b>2,400 (893)</b>	<b>500 NAN</b>	<b>396 NAN</b>	<b>879 NAN</b>	<b>203 (161)</b>	<b>4,378 (908)</b>
<b>ANGLER TRIPS</b>		<b>382 (150)</b>	<b>80 NAN</b>	<b>65 NAN</b>	<b>144 NAN</b>	<b>29 (23)</b>	<b>699 (152)</b>



Estimated harvest, catch per hour, and fishing pressure for 251\_shore. Two standard errors are given in parentheses.

Species	C/H	April-May	June	July	August	September	Season
<b>HARVEST</b>							
Rainbow trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Brown trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
<b>TOTAL HARVEST</b>	<b>0</b> <b>(0)</b>	<b>0</b> <b>(0)</b>	<b>0</b> <b>(0)</b>	<b>0</b> <b>(0)</b>	<b>0</b> <b>(0)</b>	<b>0</b> <b>(0)</b>	<b>0</b> <b>(0)</b>
<b>RELEASED</b>							
Walleye	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Northern pike	0.0011 (0.0023)	0 (0)	0 (0)	0 (0)	0 (0)	8 (17)	8 (17)
Smallmouth bass	0.0032 (0.0067)	0 (0)	0 (0)	23 (48)	0 (0)	0 (0)	23 (48)
Yellow Perch	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)
Pumpkinseed	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)
Rainbow trout	0.7819 (0.3727)	944 (1,846)	1,271 (1,371)	1,587 (926)	1,153 NAN	664 (521)	5,619 (2,533)
Brown trout	0.7217 (0.8510)	4,060 (6,041)	103 (160)	372 (249)	301 (269)	350 (309)	5,186 (6,062)
Common white sucker	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Brook trout	0.0048 (0.0100)	0 (0)	34 (71)	0 (0)	0 (0)	0 (0)	34 (71)
<b>TOTAL RELEASED</b>	<b>1.5127</b> <b>(0.9433)</b>	<b>5,004</b> <b>(6,317)</b>	<b>1,408</b> <b>(1,382)</b>	<b>1,982</b> <b>(960)</b>	<b>1,454</b> NAN	<b>1,022</b> <b>(606)</b>	<b>10,870</b> <b>(6,565)</b>
<b>TOTAL CATCH</b>	<b>1.5127</b> <b>(0.9433)</b>	<b>5,004</b> <b>(6,317)</b>	<b>1,408</b> <b>(1,382)</b>	<b>1,982</b> <b>(960)</b>	<b>1,454</b> NAN	<b>1,022</b> <b>(606)</b>	<b>10,870</b> <b>(6,565)</b>
<b>ANGLER HOURS</b>		2,175 (578)	1,523 (540)	1,520 (531)	1,429 (454)	540 (360)	7,186 (1,115)
<b>ANGLER TRIPS</b>		699 (314)	716 (323)	525 (230)	583 (221)	244 (165)	2,766 (576)

Estimated harvest, catch per hour, and fishing pressure for 250. Two standard errors are given in parentheses.

Species	C/H	April-May	June	July	August	September	Season
<b>HARVEST</b>							
Rainbow trout	0.0064 (0.0132)	0 (0)	0 (0)	0 (0)	31 (64)	0 (0)	31 (64)
Brown trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
<b>TOTAL HARVEST</b>	<b>0.0064 (0.0132)</b>	<b>0 (0)</b>	<b>0 (0)</b>	<b>0 (0)</b>	<b>31 (64)</b>	<b>0 (0)</b>	<b>31 (64)</b>
<b>RELEASED</b>							
Walleye	0.0046 (0.0071)	0 (0)	0 (0)	0 (0)	22 (34)	0 (0)	22 (34)
Northern pike	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Smallmouth bass	0.0282 (0.0442)	0 (0)	0 (0)	103 (204)	33 (56)	0 (0)	136 (211)
Yellow Perch	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bluegill	0.0688 (0.0588)	0 (0)	186 (223)	16 (21)	88 (131)	43 (81)	333 (272)
Pumpkinseed	0.0654 (0.0632)	0 (0)	0 (0)	220 (273)	97 (113)	0 (0)	317 (296)
Rock bass	0.0539 (0.0509)	0 (0)	186 (223)	0 (0)	75 (83)	0 (0)	261 (238)
Rainbow trout	0.2543 (0.2268)	0 (0)	62 (116)	433 (601)	672 (852)	65 (98)	1,232 (1,053)
Brown trout	0.1024 (0.1713)	0 (0)	23 (43)	427 (815)	46 (86)	0 (0)	496 (820)
Common white sucker	0.0014 (0.0027)	0 (0)	0 (0)	0 (0)	7 (13)	0 (0)	7 (13)
Brook trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
<b>TOTAL RELEASED</b>	<b>0.5788 (0.3300)</b>	<b>0 (0)</b>	<b>457 (338)</b>	<b>1,199 (1,068)</b>	<b>1,041 (880)</b>	<b>108 (127)</b>	<b>2,804 (1,430)</b>
<b>TOTAL CATCH</b>	<b>0.5851 (0.3310)</b>	<b>0 (0)</b>	<b>457 (338)</b>	<b>1,199 (1,068)</b>	<b>1,072 (882)</b>	<b>108 (127)</b>	<b>2,835 (1,432)</b>
<b>ANGLER HOURS</b>		<b>904 (322)</b>	<b>1,030 (443)</b>	<b>1,285 (894)</b>	<b>805 (533)</b>	<b>822 (376)</b>	<b>4,846 (1,235)</b>
<b>ANGLER TRIPS</b>		<b>381 (165)</b>	<b>414 (234)</b>	<b>553 (399)</b>	<b>351 (223)</b>	<b>384 (196)</b>	<b>2,083 (574)</b>

Estimated harvest, catch per hour, and fishing pressure for 250a. Two standard errors are given in parentheses.

Species	C/H	April-May	June	July	August	September	Season
<b>HARVEST</b>							
Rainbow trout	0.0017 (0.0035)	0 (0)	0 (0)	0 (0)	6 (13)	0 (0)	6 (13)
Brown trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
<b>TOTAL HARVEST</b>	<b>0.0017 (0.0035)</b>	<b>0 (0)</b>	<b>0 (0)</b>	<b>0 (0)</b>	<b>6 (13)</b>	<b>0 (0)</b>	<b>6 (13)</b>
<b>RELEASED</b>							
Walleye	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)
Smallmouth bass	0.0373 (0.0737)	0 (0)	137 (270)	0 (0)	0 (0)	0 (0)	137 (270)
Yellow Perch	0.0373 (0.0737)	0 (0)	137 (270)	0 (0)	0 (0)	0 (0)	137 (270)
Bluegill	0 (0)	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)	0 (0)
Rock bass	0.0070 (0.0112)	0 (0)	0 (0)	0 (0)	26 (41)	0 (0)	26 (41)
Rainbow trout	1.7848 (1.5461)	4,563 (5,522)	396 (320)	536 (365)	702 NAN	369 (355)	6,566 (5,555)
Brown trout	0.8586 (0.3956)	1,264 (1,023)	831 (810)	279 (209)	614 NAN	171 (165)	3,158 (1,332)
Common white sucker	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Brook trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
<b>TOTAL RELEASED</b>	<b>2.7250 (1.6367)</b>	<b>5,827 (5,616)</b>	<b>1,501 (950)</b>	<b>815 (420)</b>	<b>1,342 NAN</b>	<b>539 (391)</b>	<b>10,024 (5,725)</b>
<b>TOTAL CATCH</b>	<b>2.7267 (1.6368)</b>	<b>5,827 (5,616)</b>	<b>1,501 (950)</b>	<b>815 (420)</b>	<b>1,349 NAN</b>	<b>539 (391)</b>	<b>10,031 (5,725)</b>
<b>ANGLER HOURS</b>		<b>1,172 (454)</b>	<b>599 (323)</b>	<b>496 (293)</b>	<b>917 NAN</b>	<b>495 (267)</b>	<b>3,679 (684)</b>
<b>ANGLER TRIPS</b>		<b>638 (265)</b>	<b>390 (219)</b>	<b>139 (94)</b>	<b>343 NAN</b>	<b>95 (74)</b>	<b>1,604 (364)</b>

Estimated harvest, catch per hour, and fishing pressure for 250b. Two standard errors are given in parentheses.

Species	C/H	April-May	June	July	August	September	Season
<b>HARVEST</b>							
Rainbow trout	0.0007 (0.0014)	0 (0)	0 (0)	0 (0)	12 (24)	0 (0)	12 (24)
Brown trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
<b>TOTAL HARVEST</b>	<b>0.0007 (0.0014)</b>	<b>0 (0)</b>	<b>0 (0)</b>	<b>0 (0)</b>	<b>12 (24)</b>	<b>0 (0)</b>	<b>12 (24)</b>
<b>RELEASED</b>							
Walleye	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)
Smallmouth bass	0.0003 (0.0005)	0 (0)	4 (9)	0 (0)	0 (0)	0 (0)	4 (9)
Yellow Perch	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bluegill	0.0009 (0.0019)	0 (0)	0 (0)	16 (32)	0 (0)	0 (0)	16 (32)
Pumpkinseed	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)
Rainbow trout	0.8454 (0.2084)	4,539 (1,526)	4,485 (1,720)	3,034 (1,648)	1,333 (607)	945 (477)	14,337 (2,932)
Brown trout	0.6234 (0.1686)	4,025 (1,303)	3,416 (1,837)	1,658 (826)	776 (449)	697 (329)	10,572 (2,463)
Common white sucker	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Brook trout	0.0580 (0.0571)	0 (0)	978 (959)	0 (0)	6 (11)	0 (0)	983 (959)
<b>TOTAL RELEASED</b>	<b>1.5280 (0.3136)</b>	<b>8,565 (2,007)</b>	<b>8,883 (2,693)</b>	<b>4,708 (1,844)</b>	<b>2,115 (755)</b>	<b>1,642 (579)</b>	<b>25,912 (3,948)</b>
<b>TOTAL CATCH</b>	<b>1.5286 (0.3137)</b>	<b>8,565 (2,007)</b>	<b>8,883 (2,693)</b>	<b>4,708 (1,844)</b>	<b>2,126 (755)</b>	<b>1,642 (579)</b>	<b>25,924 (3,948)</b>
<b>ANGLER HOURS</b>		<b>5,832 (1,462)</b>	<b>3,333 (1,011)</b>	<b>2,310 (747)</b>	<b>2,149 (807)</b>	<b>3,335 (1,036)</b>	<b>16,959 (2,333)</b>
<b>ANGLER TRIPS</b>		<b>1,214 (300)</b>	<b>915 (342)</b>	<b>607 (210)</b>	<b>592 (227)</b>	<b>660 (228)</b>	<b>3,988 (595)</b>

Estimated harvest, catch per hour, and fishing pressure for 251. Two standard errors are given in parentheses.

Species	C/H	April-May	June	July	August	September	Season
<b>HARVEST</b>							
Rainbow trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Brown trout	0.0008 (0.0017)	9 (20)	0 (0)	0 (0)	0 (0)	0 (0)	9 (20)
<b>TOTAL HARVEST</b>	<b>0.0008 (0.0017)</b>	<b>9 (20)</b>	<b>0 (0)</b>	<b>0 (0)</b>	<b>0 (0)</b>	<b>0 (0)</b>	<b>9 (20)</b>
<b>RELEASED</b>							
Walleye	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Northern pike	0.0007 (0.0014)	0 (0)	0 (0)	0 (0)	0 (0)	8 (17)	8 (17)
Smallmouth bass	0.0089 (0.0042)	0 (0)	0 (0)	23 (48)	80 NAN	0 (0)	103 (48)
Yellow Perch	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)
Pumpkinseed	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)
Rainbow trout	0.7107 (0.1843)	1,531 (1,902)	2,012 NAN	1,631 NAN	2,351 NAN	693 (524)	8,218 (1,973)
Brown trout	0.6388 (0.5310)	5,021 (6,088)	972 NAN	416 NAN	541 NAN	437 (354)	7,387 (6,098)
Common white sucker	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Brook trout	0.0068 (0.0062)	0 (0)	34 (71)	44 NAN	0 (0)	0 (0)	78 (71)
<b>TOTAL RELEASED</b>	<b>1.3659 (0.5702)</b>	<b>6,552 (6,378)</b>	<b>3,019 NAN</b>	<b>2,114 NAN</b>	<b>2,972 NAN</b>	<b>1,138 (633)</b>	<b>15,794 (6,409)</b>
<b>TOTAL CATCH</b>	<b>1.3667 (0.5702)</b>	<b>6,562 (6,378)</b>	<b>3,019 NAN</b>	<b>2,114 NAN</b>	<b>2,972 NAN</b>	<b>1,138 (633)</b>	<b>15,804 (6,409)</b>
<b>ANGLER HOURS</b>		<b>4,574 (1,064)</b>	<b>2,023 NAN</b>	<b>1,916 NAN</b>	<b>2,308 NAN</b>	<b>742 (394)</b>	<b>11,564 (1,135)</b>
<b>ANGLER TRIPS</b>		<b>1,080 (348)</b>	<b>796 NAN</b>	<b>590 NAN</b>	<b>726 NAN</b>	<b>273 (166)</b>	<b>3,465 (386)</b>

Estimated harvest, catch per hour, and fishing pressure for Au Sable River combined.  
Two standard errors are given in parentheses.

Species	C/H	April-May	June	July	August	September	Season
<b>HARVEST</b>							
Rainbow trout	0.0013 (0.0019)	0 (0)	0 (0)	0 (0)	49 (69)	0 (0)	49 (69)
Brown trout	0.0003 (0.0005)	9 (20)	0 (0)	0 (0)	0 (0)	0 (0)	9 (20)
<b>TOTAL HARVEST</b>	0.0016 (0.0019)	9 (20)	0 (0)	0 (0)	49 (69)	0 (0)	58 (72)
<b>RELEASED</b>							
Walleye	0.0006 (0.0009)	0 (0)	0 (0)	0 (0)	22 (34)	0 (0)	22 (34)
Northern pike	0.0002 (0.0004)	0 (0)	0 (0)	0 (0)	0 (0)	8 (17)	8 (17)
Smallmouth bass	0.0103 (0.0092)	0 (0)	142 (270)	126 (209)	113 NAN	0 (0)	381 (342)
Yellow Perch	0.0037 (0.0073)	0 (0)	137 (270)	0 (0)	0 (0)	0 (0)	137 (270)
Bluegill	0.0094 (0.0074)	0 (0)	186 (223)	32 (38)	88 (131)	43 (81)	349 (274)
Pumpkinseed	0.0086 (0.0080)	0 (0)	0 (0)	220 (273)	97 (113)	0 (0)	317 (296)
Rock bass	0.0077 (0.0065)	0 (0)	186 (223)	0 (0)	101 (92)	0 (0)	287 (241)
Rainbow trout	0.8193 (0.1717)	10,633 (6,037)	6,955 NAN	5,634 NAN	5,059 NAN	2,071 (798)	30,353 (6,089)
Brown trout	0.5834 (0.1745)	10,310 (6,309)	5,242 NAN	2,780 NAN	1,977 NAN	1,305 (511)	21,613 (6,330)
Common white sucker	0.0002 (0.0004)	0 (0)	0 (0)	0 (0)	7 (13)	0 (0)	7 (13)
Brook trout	0.0287 (0.0260)	0 (0)	1,012 (962)	44 NAN	6 (11)	0 (0)	1,062 (962)
<b>TOTAL RELEASED</b>	1.4721 (0.2533)	20,944 (8,732)	13,860 NAN	8,836 NAN	7,469 NAN	3,427 (951)	54,535 (8,784)
<b>TOTAL CATCH</b>	1.4736 (0.2533)	20,953 (8,732)	13,860 NAN	8,836 NAN	7,518 NAN	3,427 (951)	54,594 (8,784)
<b>ANGLER HOURS</b>		12,482 (1,892)	6,985 NAN	6,007 NAN	6,178 NAN	5,395 (1,201)	37,047 (2,241)
<b>ANGLER TRIPS</b>		3,313 (555)	2,514 NAN	1,888 NAN	2,012 NAN	1,412 (351)	11,140 (657)