

## Survey Report for ShaveheadBirch, , Summer, 2007

<b>Waterbody</b>	ShaveheadBirch
<b>Year</b>	Summer, 2007
<b>County</b>	
<b>Sites</b>	birch,shavehead
<b>Survey period</b>	June 1 to August 31
<b>Survey design</b>	
<b>Interview type/mode</b>	access/boat, shore
<b>Count type/mode</b>	roving/
<b>Clerk time</b>	
<b>Survey purpose</b>	Characterize general effort and catch aspects of the fishery

### Notes

Survey followed a design. All funding was provided through Fisheries Division. One clerk worked 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. Clerk followed a randomized count and interview schedule. One of two shifts was selected each sample day. ShaveheadBirch was divided into 2 sections: . Each section was sampled per day. Starting location within a section and direction of travel were randomized for both counting and interviewing. counts of anglers were made once per day. Survey period for both counts and interviews was June 1 to August 31. Months were estimated separately. Estimates are given in Tables xxx.

Table –Work shifts used to estimate catch and effort at ShaveheadBirch, June 1 to August 31, Summer, 2007

	Year	Month	F
1	2007	3	13
2	2007	4	17
3	2007	5	17
4	2007	6	21
5	2007	7	21
6	2007	8	21
7	2007	9	17
8	2007	10	17
9	2007	11	17

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

Species	C/H	June	July	August	Season	Win C/H	Win Season	Sum C/H	Sum Season
HARVEST									
Largemouth bass	0.0011 (0.0017)	0 (0)	10 (16)	0 (0)	10 (16)	NAN (0)	0 (0)	0.0011 (0.0017)	10 (16)
Smallmouth bass	0.0007 (0.0015)	0 (0)	7 (14)	0 (0)	7 (14)	NAN (0)	0 (0)	0.0007 (0.0015)	7 (14)
Yellow Perch	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Bluegill	0.3156 (0.2713)	2,421 (2,419)	368 (354)	250 (317)	3,039 (2,465)	NAN (0)	0 (0)	0.3156 (0.2713)	3,039 (2,465)
Pumpkinseed	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Rock bass	0.0039 (0.0041)	0 (0)	15 (20)	22 (32)	37 (38)	NAN (0)	0 (0)	0.0039 (0.0041)	37 (38)
Black crappie	0.0564 (0.0622)	544 (579)	0 (0)	0 (0)	544 (579)	NAN (0)	0 (0)	0.0564 (0.0622)	544 (579)
Rainbow trout	0.0031 (0.0048)	10 (22)	0 (0)	19 (39)	30 (45)	NAN (0)	0 (0)	0.0031 (0.0048)	30 (45)
Green Sunfish	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
OTH1	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
TOTAL HARVEST	0.3808 (0.2844)	2,975 (2,487)	401 (355)	291 (321)	3,667 (2,533)	NAN (0.0000)	0 (0)	0.3808 (0.2844)	3,667 (2,533)
RELEASED									
Northern pike	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Largemouth bass	0.9906 (0.4712)	3,712 (2,393)	4,157 (2,472)	1,672 (1,177)	9,541 (3,637)	NAN (0)	0 (0)	0.9906 (0.4712)	9,541 (3,637)
Smallmouth bass	0.0899 (0.0752)	474 (605)	153 (163)	238 (268)	866 (681)	NAN (0)	0 (0)	0.0899 (0.0752)	866 (681)
Yellow Perch	0.0228 (0.0228)	137 (178)	3 (7)	80 (112)	220 (211)	NAN (0)	0 (0)	0.0228 (0.0228)	220 (211)
Bluegill	0.6870 (0.3744)	3,614 (2,466)	1,560 (1,169)	1,443 (1,417)	6,617 (3,075)	NAN (0)	0 (0)	0.6870 (0.3744)	6,617 (3,075)
Pumpkinseed	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Rock bass	0.0389 (0.0360)	261 (317)	75 (74)	39 (58)	375 (330)	NAN (0)	0 (0)	0.0389 (0.0360)	375 (330)
Black crappie	0.0591 (0.0596)	429 (483)	132 (264)	8 (17)	570 (551)	NAN (0)	0 (0)	0.0591 (0.0596)	570 (551)
Rainbow trout	0.0003 (0.0006)	0 (0)	0 (0)	3 (5)	3 (5)	NAN (0)	0 (0)	0.0003 (0.0006)	3 (5)
Green Sunfish	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
OTH1	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
TOTAL RELEASED	1.8887 (0.7371)	8,627 (3,541)	6,081 (2,753)	3,482 (1,866)	18,190 (4,858)	NAN (0.0000)	0 (0)	1.8887 (0.7371)	18,190 (4,858)
TOTAL CATCH	2.2695 (0.8606)	11,602 (4,327)	6,482 (2,776)	3,773 (1,893)	21,857 (5,479)	NAN (0)	0 (0)	2.2695 (0.8606)	21,857 (5,479)
ANGLER HOURS		4,624	2,615	2,391	9,631		0		9,631

	(2,157)	(993)	(1,368)	(2,741)	(0)	(2,741)
ANGLER TRIPS	1,185	823	585	2,593	0	2,593
	(600)	(380)	(406)	(818)	(0)	(818)

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

Species	C/H	June	July	August	Season	Win C/H	Win Season	Sum C/H	Sum Season
<b>HARVEST</b>									
Largemouth bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Smallmouth bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Yellow Perch	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Bluegill	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Pumpkinseed	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Rock bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Black crappie	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Rainbow trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Green Sunfish	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
OTH1	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
<b>TOTAL HARVEST</b>	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
<b>RELEASED</b>									
Northern pike	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Largemouth bass	0.2374 (0.2116)	27 NAN	16 NAN	0 (0)	43 (0)	NAN (0)	0 (0)	0.2374 (0.2116)	43 (0)
Smallmouth bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Yellow Perch	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Bluegill	0.1479 (0.1319)	27 NAN	0 (0)	0 (0)	27 (0)	NAN (0)	0 (0)	0.1479 (0.1319)	27 (0)
Pumpkinseed	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Rock bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Black crappie	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Rainbow trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Green Sunfish	0.1479 (0.1319)	27 NAN	0 (0)	0 (0)	27 (0)	NAN (0)	0 (0)	0.1479 (0.1319)	27 (0)
OTH1	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
<b>TOTAL RELEASED</b>	0.5333 (0.4754)	81 NAN	16 NAN	0 (0)	97 (0)	NAN (0.0000)	0 (0)	0.5333 NAN	97 NAN
<b>TOTAL CATCH</b>	0.5333 (0.4754)	81 NAN	16 NAN	0 (0)	97 (0)	NAN (0)	0 (0)	0.5333 NAN	97 NAN
<b>ANGLER HOURS</b>		81	102	0	183		0		183

	(76)	(144)	(0)	(163)	(0)	(163)
ANGLER TRIPS	21	27	0	48	0	48
	(22)	(39)	(0)	(44)	(0)	(44)

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

Species	C/H	June	July	August	Season	Win C/H	Win Season	Sum C/H	Sum Season
HARVEST									
Largemouth bass	0.0061 (0.0080)	29 (46)	12 (25)	0 (0)	41 (52)	NAN (0)	0 (0)	0.0061 (0.0080)	41 (52)
Smallmouth bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Yellow Perch	0.0044 (0.0056)	30 (37)	0 (0)	0 (0)	30 (37)	NAN (0)	0 (0)	0.0044 (0.0056)	30 (37)
Bluegill	0.1124 (0.0784)	489 (402)	246 (266)	24 (48)	759 (484)	NAN (0)	0 (0)	0.1124 (0.0784)	759 (484)
Pumpkinseed	0.0073 (0.0129)	49 (86)	0 (0)	0 (0)	49 (86)	NAN (0)	0 (0)	0.0073 (0.0129)	49 (86)
Rock bass	0.0199 (0.0209)	14 (23)	65 (94)	55 (95)	135 (136)	NAN (0)	0 (0)	0.0199 (0.0209)	135 (136)
Black crappie	0.0471 (0.0631)	171 (356)	147 (216)	0 (0)	318 (417)	NAN (0)	0 (0)	0.0471 (0.0631)	318 (417)
Rainbow trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Green Sunfish	0.0075 (0.0130)	8 (16)	43 (85)	0 (0)	50 (87)	NAN (0)	0 (0)	0.0075 (0.0130)	50 (87)
OTH1	0.0391 (0.0504)	0 (0)	264 (332)	0 (0)	264 (332)	NAN (0)	0 (0)	0.0391 (0.0504)	264 (332)
TOTAL HARVEST	0.2439 (0.1301)	790 (548)	777 (494)	79 (107)	1,647 (746)	NAN (0.0000)	0 (0)	0.2439 (0.1301)	1,647 (746)
RELEASED									
Northern pike	0.0048 (0.0076)	0 (0)	33 (51)	0 (0)	33 (51)	NAN (0)	0 (0)	0.0048 (0.0076)	33 (51)
Largemouth bass	0.6176 (0.3058)	1,259 (910)	1,838 (938)	1,072 (1,085)	4,170 (1,699)	NAN (0)	0 (0)	0.6176 (0.3058)	4,170 (1,699)
Smallmouth bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Yellow Perch	0.0462 (0.0427)	8 (16)	265 (270)	39 (47)	312 (274)	NAN (0)	0 (0)	0.0462 (0.0427)	312 (274)
Bluegill	0.6921 (0.3597)	2,118 (1,429)	2,032 (1,397)	523 (418)	4,673 (2,042)	NAN (0)	0 (0)	0.6921 (0.3597)	4,673 (2,042)
Pumpkinseed	0.0073 (0.0148)	0 (0)	50 (99)	0 (0)	50 (99)	NAN (0)	0 (0)	0.0073 (0.0148)	50 (99)
Rock bass	0.0236 (0.0223)	0 (0)	154 (144)	5 (11)	159 (144)	NAN (0)	0 (0)	0.0236 (0.0223)	159 (144)
Black crappie	0.0449 (0.0428)	99 (168)	136 (170)	68 (138)	303 (276)	NAN (0)	0 (0)	0.0449 (0.0428)	303 (276)
Rainbow trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Green Sunfish	0.0049 (0.0099)	0 (0)	33 (66)	0 (0)	33 (66)	NAN (0)	0 (0)	0.0049 (0.0099)	33 (66)
OTH1	0.0187 (0.0181)	0 (0)	126 (117)	0 (0)	126 (117)	NAN (0)	0 (0)	0.0187 (0.0181)	126 (117)
TOTAL RELEASED	1.4601 (0.5729)	3,484 (1,703)	4,667 (1,727)	1,708 (1,172)	9,858 (2,694)	NAN (0.0000)	0 (0)	1.4601 (0.5729)	9,858 (2,694)
TOTAL CATCH	1.7040 (0.6337)	4,274 (1,789)	5,444 (1,796)	1,787 (1,177)	11,505 (2,795)	NAN (0)	0 (0)	1.7040 (0.6337)	11,505 (2,795)
ANGLER HOURS		2,490	2,948	1,313	6,752		0		6,752

	(1,194)	(1,262)	(771)	(1,901)	(0)	(1,901)
ANGLER TRIPS	732	766	365	1,863	0	1,863
	(367)	(403)	(232)	(592)	(0)	(592)

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

Species	C/H	June	July	August	Season	Win C/H	Win Season	Sum C/H	Sum Season
<b>HARVEST</b>									
Largemouth bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Smallmouth bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Yellow Perch	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Bluegill	0.1237 (0.2260)	231 (413)	0 (0)	0 (0)	231 (413)	NAN (0)	0 (0)	0.1237 (0.2260)	231 (413)
Pumpkinseed	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Rock bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Black crappie	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Rainbow trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Green Sunfish	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
OTH1	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
<b>TOTAL HARVEST</b>	<b>0.1237 (0.2260)</b>	<b>231 (413)</b>	<b>0 (0)</b>	<b>0 (0)</b>	<b>231 (413)</b>	<b>NAN (0.0000)</b>	<b>0 (0)</b>	<b>0.1237 (0.2260)</b>	<b>231 (413)</b>
<b>RELEASED</b>									
Northern pike	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Largemouth bass	0.2620 (0.5381)	490 (988)	0 (0)	0 (0)	490 (988)	NAN (0)	0 (0)	0.2620 (0.5381)	490 (988)
Smallmouth bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Yellow Perch	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Bluegill	2.0093 (1.7269)	2,300 (2,586)	1,458 (1,270)	0 (0)	3,758 (2,881)	NAN (0)	0 (0)	2.0093 (1.7269)	3,758 (2,881)
Pumpkinseed	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Rock bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Black crappie	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Rainbow trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Green Sunfish	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
OTH1	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
<b>TOTAL RELEASED</b>	<b>2.2712 (1.8522)</b>	<b>2,790 (2,768)</b>	<b>1,458 (1,270)</b>	<b>0 (0)</b>	<b>4,248 (3,046)</b>	<b>NAN (0.0000)</b>	<b>0 (0)</b>	<b>2.2712 (1.8522)</b>	<b>4,248 (3,046)</b>
<b>TOTAL CATCH</b>	<b>2.3950 (1.8886)</b>	<b>3,022 (2,799)</b>	<b>1,458 (1,270)</b>	<b>0 (0)</b>	<b>4,480 (3,074)</b>	<b>NAN (0)</b>	<b>0 (0)</b>	<b>2.3950 (1.8886)</b>	<b>4,480 (3,074)</b>
<b>ANGLER HOURS</b>		<b>895</b>	<b>750</b>	<b>226</b>	<b>1,870</b>		<b>0</b>		<b>1,870</b>



	(579)	(396)	(192)	(727)	(0)	(727)
ANGLER TRIPS	511	500	134	1,146	0	1,146
	(347)	(425)	(118)	(561)	(0)	(561)

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

Species	C/H	June	July	August	Season	Win C/H	Win Season	Sum C/H	Sum Season
<b>HARVEST</b>									
Largemouth bass	0.0010 (0.0016)	0 (0)	10 (16)	0 (0)	10 (16)	NAN (0)	0 (0)	0.0010 (0.0016)	10 (16)
Smallmouth bass	0.0007 (0.0015)	0 (0)	7 (14)	0 (0)	7 (14)	NAN (0)	0 (0)	0.0007 (0.0015)	7 (14)
Yellow Perch	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Bluegill	0.3097 (0.2657)	2,421 (2,419)	368 (354)	250 (317)	3,039 (2,465)	NAN (0)	0 (0)	0.3097 (0.2657)	3,039 (2,465)
Pumpkinseed	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Rock bass	0.0038 (0.0040)	0 (0)	15 (20)	22 (32)	37 (38)	NAN (0)	0 (0)	0.0038 (0.0040)	37 (38)
Black crappie	0.0554 (0.0610)	544 (579)	0 (0)	0 (0)	544 (579)	NAN (0)	0 (0)	0.0554 (0.0610)	544 (579)
Rainbow trout	0.0030 (0.0047)	10 (22)	0 (0)	19 (39)	30 (45)	NAN (0)	0 (0)	0.0030 (0.0047)	30 (45)
Green Sunfish	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
OTH1	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
<b>TOTAL HARVEST</b>	<b>0.3737 (0.2785)</b>	<b>2,975 (2,487)</b>	<b>401 (355)</b>	<b>291 (321)</b>	<b>3,667 (2,533)</b>	<b>NAN (0.0000)</b>	<b>0 (0)</b>	<b>0.3737 (0.2785)</b>	<b>3,667 (2,533)</b>
<b>RELEASED</b>									
Northern pike	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Largemouth bass	0.9766 (0.2984)	3,739 NAN	4,173 NAN	1,672 (1,177)	9,584 (1,177)	NAN (0)	0 (0)	0.9766 (0.2984)	9,584 (1,177)
Smallmouth bass	0.0882 (0.0737)	474 (605)	153 (163)	238 (268)	866 (681)	NAN (0)	0 (0)	0.0882 (0.0737)	866 (681)
Yellow Perch	0.0224 (0.0223)	137 (178)	3 (7)	80 (112)	220 (211)	NAN (0)	0 (0)	0.0224 (0.0223)	220 (211)
Bluegill	0.6770 (0.2663)	3,641 NAN	1,560 (1,169)	1,443 (1,417)	6,644 (1,837)	NAN (0)	0 (0)	0.6770 (0.2663)	6,644 (1,837)
Pumpkinseed	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Rock bass	0.0382 (0.0353)	261 (317)	75 (74)	39 (58)	375 (330)	NAN (0)	0 (0)	0.0382 (0.0353)	375 (330)
Black crappie	0.0580 (0.0584)	429 (483)	132 (264)	8 (17)	570 (551)	NAN (0)	0 (0)	0.0580 (0.0584)	570 (551)
Rainbow trout	0.0003 (0.0006)	0 (0)	0 (0)	3 (5)	3 (5)	NAN (0)	0 (0)	0.0003 (0.0006)	3 (5)
Green Sunfish	0.0028 (0.0008)	27 NAN	0 (0)	0 (0)	27 (0)	NAN (0)	0 (0)	0.0028 (0.0008)	27 (0)
OTH1	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
<b>TOTAL RELEASED</b>	<b>1.8635 (0.5549)</b>	<b>8,708 NAN</b>	<b>6,097 NAN</b>	<b>3,482 (1,866)</b>	<b>18,287 (1,866)</b>	<b>NAN (0.0000)</b>	<b>0 (0)</b>	<b>1.8635 NAN</b>	<b>18,287 NAN</b>
<b>TOTAL CATCH</b>	<b>2.2372 (0.7032)</b>	<b>11,683 NAN</b>	<b>6,498 NAN</b>	<b>3,773 (1,893)</b>	<b>21,954 (3,146)</b>	<b>NAN (0)</b>	<b>0 (0)</b>	<b>2.2372 NAN</b>	<b>21,954 NAN</b>
<b>ANGLER HOURS</b>		<b>4,705</b>	<b>2,717</b>	<b>2,391</b>	<b>9,813</b>		<b>0</b>		<b>9,813</b>

	(2,158)	(1,003)	(1,368)	(2,745)	(0)	(2,745)
ANGLER TRIPS	1,206	850	585	2,641	0	2,641
	(601)	(382)	(406)	(819)	(0)	(819)

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

Species	C/H	June	July	August	Season	Win C/H	Win Season	Sum C/H	Sum Season
<b>HARVEST</b>									
Largemouth bass	0.0048 (0.0062)	29 (46)	12 (25)	0 (0)	41 (52)	NAN (0)	0 (0)	0.0048 (0.0062)	41 (52)
Smallmouth bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Yellow Perch	0.0035 (0.0044)	30 (37)	0 (0)	0 (0)	30 (37)	NAN (0)	0 (0)	0.0035 (0.0044)	30 (37)
Bluegill	0.1148 (0.0787)	720 (577)	246 (266)	24 (48)	990 (637)	NAN (0)	0 (0)	0.1148 (0.0787)	990 (637)
Pumpkinseed	0.0057 (0.0100)	49 (86)	0 (0)	0 (0)	49 (86)	NAN (0)	0 (0)	0.0057 (0.0100)	49 (86)
Rock bass	0.0156 (0.0162)	14 (23)	65 (94)	55 (95)	135 (136)	NAN (0)	0 (0)	0.0156 (0.0162)	135 (136)
Black crappie	0.0369 (0.0491)	171 (356)	147 (216)	0 (0)	318 (417)	NAN (0)	0 (0)	0.0369 (0.0491)	318 (417)
Rainbow trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Green Sunfish	0.0058 (0.0101)	8 (16)	43 (85)	0 (0)	50 (87)	NAN (0)	0 (0)	0.0058 (0.0101)	50 (87)
OTH1	0.0306 (0.0392)	0 (0)	264 (332)	0 (0)	264 (332)	NAN (0)	0 (0)	0.0306 (0.0392)	264 (332)
<b>TOTAL HARVEST</b>	<b>0.2178 (0.1114)</b>	<b>1,022 (686)</b>	<b>777 (494)</b>	<b>79 (107)</b>	<b>1,878 (852)</b>	<b>NAN (0.0000)</b>	<b>0 (0)</b>	<b>0.2178 (0.1114)</b>	<b>1,878 (852)</b>
<b>RELEASED</b>									
Northern pike	0.0038 (0.0060)	0 (0)	33 (51)	0 (0)	33 (51)	NAN (0)	0 (0)	0.0038 (0.0060)	33 (51)
Largemouth bass	0.5404 (0.2612)	1,749 (1,344)	1,838 (938)	1,072 (1,085)	4,660 (1,965)	NAN (0)	0 (0)	0.5404 (0.2612)	4,660 (1,965)
Smallmouth bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Yellow Perch	0.0362 (0.0329)	8 (16)	265 (270)	39 (47)	312 (274)	NAN (0)	0 (0)	0.0362 (0.0329)	312 (274)
Bluegill	0.9778 (0.4701)	4,418 (2,955)	3,489 (1,888)	523 (418)	8,431 (3,531)	NAN (0)	0 (0)	0.9778 (0.4701)	8,431 (3,531)
Pumpkinseed	0.0058 (0.0116)	0 (0)	50 (99)	0 (0)	50 (99)	NAN (0)	0 (0)	0.0058 (0.0116)	50 (99)
Rock bass	0.0185 (0.0173)	0 (0)	154 (144)	5 (11)	159 (144)	NAN (0)	0 (0)	0.0185 (0.0173)	159 (144)
Black crappie	0.0351 (0.0331)	99 (168)	136 (170)	68 (138)	303 (276)	NAN (0)	0 (0)	0.0351 (0.0331)	303 (276)
Rainbow trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Green Sunfish	0.0038 (0.0077)	0 (0)	33 (66)	0 (0)	33 (66)	NAN (0)	0 (0)	0.0038 (0.0077)	33 (66)
OTH1	0.0147 (0.0140)	0 (0)	126 (117)	0 (0)	126 (117)	NAN (0)	0 (0)	0.0147 (0.0140)	126 (117)
<b>TOTAL RELEASED</b>	<b>1.6361 (0.6095)</b>	<b>6,274 (3,250)</b>	<b>6,124 (2,144)</b>	<b>1,708 (1,172)</b>	<b>14,107 (4,066)</b>	<b>NAN (0.0000)</b>	<b>0 (0)</b>	<b>1.6361 (0.6095)</b>	<b>14,107 (4,066)</b>
<b>TOTAL CATCH</b>	<b>1.8539 (0.6509)</b>	<b>7,296 (3,322)</b>	<b>6,901 (2,200)</b>	<b>1,787 (1,177)</b>	<b>15,985 (4,155)</b>	<b>NAN (0)</b>	<b>0 (0)</b>	<b>1.8539 (0.6509)</b>	<b>15,985 (4,155)</b>
<b>ANGLER HOURS</b>		<b>3,385</b>	<b>3,698</b>	<b>1,539</b>	<b>8,622</b>		<b>0</b>		<b>8,622</b>

	(1,327)	(1,323)	(795)	(2,035)	(0)	(2,035)
ANGLER TRIPS	1,244	1,266	499	3,009	0	3,009
	(505)	(586)	(260)	(816)	(0)	(816)

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

Species	C/H	June	July	August	Season	Win C/H	Win Season	Sum C/H	Sum Season
<b>HARVEST</b>									
Largemouth bass	0.0032 (0.0034)	29 (46)	23 (30)	0 (0)	52 (55)	NAN (0)	0 (0)	0.0032 (0.0034)	52 (55)
Smallmouth bass	0.0004 (0.0009)	0 (0)	7 (14)	0 (0)	7 (14)	NAN (0)	0 (0)	0.0004 (0.0009)	7 (14)
Yellow Perch	0.0018 (0.0023)	30 (37)	0 (0)	0 (0)	30 (37)	NAN (0)	0 (0)	0.0018 (0.0023)	30 (37)
Bluegill	0.2318 (0.1604)	2,910 (2,452)	614 (442)	273 (321)	3,798 (2,512)	NAN (0)	0 (0)	0.2318 (0.1604)	3,798 (2,512)
Pumpkinseed	0.0030 (0.0053)	49 (86)	0 (0)	0 (0)	49 (86)	NAN (0)	0 (0)	0.0030 (0.0053)	49 (86)
Rock bass	0.0105 (0.0089)	14 (23)	80 (96)	77 (101)	172 (141)	NAN (0)	0 (0)	0.0105 (0.0089)	172 (141)
Black crappie	0.0526 (0.0448)	715 (680)	147 (216)	0 (0)	862 (713)	NAN (0)	0 (0)	0.0526 (0.0448)	862 (713)
Rainbow trout	0.0018 (0.0028)	10 (22)	0 (0)	19 (39)	30 (45)	NAN (0)	0 (0)	0.0018 (0.0028)	30 (45)
Green Sunfish	0.0031 (0.0053)	8 (16)	43 (85)	0 (0)	50 (87)	NAN (0)	0 (0)	0.0031 (0.0053)	50 (87)
OTH1	0.0161 (0.0205)	0 (0)	264 (332)	0 (0)	264 (332)	NAN (0)	0 (0)	0.0161 (0.0205)	264 (332)
<b>TOTAL HARVEST</b>	<b>0.3243 (0.1742)</b>	<b>3,766 (2,547)</b>	<b>1,178 (609)</b>	<b>370 (339)</b>	<b>5,314 (2,640)</b>	<b>NAN (0.0000)</b>	<b>0 (0)</b>	<b>0.3243 (0.1742)</b>	<b>5,314 (2,640)</b>
<b>RELEASED</b>									
Northern pike	0.0020 (0.0031)	0 (0)	33 (51)	0 (0)	33 (51)	NAN (0)	0 (0)	0.0020 (0.0031)	33 (51)
Largemouth bass	0.8369 (0.2984)	4,971 (2,561)	5,995 (2,644)	2,744 (1,601)	13,710 (4,014)	NAN (0)	0 (0)	0.8369 (0.2984)	13,710 (4,014)
Smallmouth bass	0.0528 (0.0430)	474 (605)	153 (163)	238 (268)	866 (681)	NAN (0)	0 (0)	0.0528 (0.0430)	866 (681)
Yellow Perch	0.0324 (0.0221)	145 (179)	268 (270)	119 (122)	531 (346)	NAN (0)	0 (0)	0.0324 (0.0221)	531 (346)
Bluegill	0.6891 (0.2654)	5,732 (2,850)	3,592 (1,821)	1,966 (1,477)	11,289 (3,691)	NAN (0)	0 (0)	0.6891 (0.2654)	11,289 (3,691)
Pumpkinseed	0.0030 (0.0061)	0 (0)	50 (99)	0 (0)	50 (99)	NAN (0)	0 (0)	0.0030 (0.0061)	50 (99)
Rock bass	0.0326 (0.0230)	261 (317)	229 (161)	44 (59)	534 (360)	NAN (0)	0 (0)	0.0326 (0.0230)	534 (360)
Black crappie	0.0533 (0.0391)	529 (511)	268 (314)	76 (139)	873 (616)	NAN (0)	0 (0)	0.0533 (0.0391)	873 (616)
Rainbow trout	0.0002 (0.0003)	0 (0)	0 (0)	3 (5)	3 (5)	NAN (0)	0 (0)	0.0002 (0.0003)	3 (5)
Green Sunfish	0.0020 (0.0041)	0 (0)	33 (66)	0 (0)	33 (66)	NAN (0)	0 (0)	0.0020 (0.0041)	33 (66)
OTH1	0.0077 (0.0073)	0 (0)	126 (117)	0 (0)	126 (117)	NAN (0)	0 (0)	0.0077 (0.0073)	126 (117)
<b>TOTAL RELEASED</b>	<b>1.7121 (0.4863)</b>	<b>12,111 (3,930)</b>	<b>10,748 (3,250)</b>	<b>5,190 (2,204)</b>	<b>28,048 (5,555)</b>	<b>NAN (0.0000)</b>	<b>0 (0)</b>	<b>1.7121 (0.4863)</b>	<b>28,048 (5,555)</b>
<b>TOTAL CATCH</b>	<b>2.0364 (0.5593)</b>	<b>15,876 (4,683)</b>	<b>11,926 (3,307)</b>	<b>5,560 (2,229)</b>	<b>33,362 (6,151)</b>	<b>NAN (0)</b>	<b>0 (0)</b>	<b>2.0364 (0.5593)</b>	<b>33,362 (6,151)</b>
<b>ANGLER HOURS</b>		<b>7,114</b>	<b>5,564</b>	<b>3,705</b>	<b>16,383</b>		<b>0</b>		<b>16,383</b>

	(2,465)	(1,606)	(1,571)	(3,335)	(0)	(3,335)
ANGLER TRIPS	1,917	1,590	950	4,456	0	4,456
	(703)	(554)	(468)	(1,010)	(0)	(1,010)

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

Species	C/H	June	July	August	Season	Win C/H	Win Season	Sum C/H	Sum Season
<b>HARVEST</b>									
Largemouth bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Smallmouth bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Yellow Perch	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Bluegill	0.1127 (0.2053)	231 (413)	0 (0)	0 (0)	231 (413)	NAN (0)	0 (0)	0.1127 (0.2053)	231 (413)
Pumpkinseed	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Rock bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Black crappie	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Rainbow trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Green Sunfish	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
OTH1	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
<b>TOTAL HARVEST</b>	<b>0.1127 (0.2053)</b>	<b>231 (413)</b>	<b>0 (0)</b>	<b>0 (0)</b>	<b>231 (413)</b>	<b>NAN (0.0000)</b>	<b>0 (0)</b>	<b>0.1127 (0.2053)</b>	<b>231 (413)</b>
<b>RELEASED</b>									
Northern pike	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Largemouth bass	0.2598 (0.0943)	517 NAN	16 NAN	0 (0)	533 (0)	NAN (0)	0 (0)	0.2598 (0.0943)	533 (0)
Smallmouth bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Yellow Perch	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Bluegill	1.8438 (0.9113)	2,327 NAN	1,458 (1,270)	0 (0)	3,785 (1,270)	NAN (0)	0 (0)	1.8438 (0.9113)	3,785 (1,270)
Pumpkinseed	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Rock bass	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Black crappie	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Rainbow trout	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
Green Sunfish	0.0132 (0.0048)	27 NAN	0 (0)	0 (0)	27 (0)	NAN (0)	0 (0)	0.0132 (0.0048)	27 (0)
OTH1	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	NAN (0)	0 (0)	0 (0)	0 (0)
<b>TOTAL RELEASED</b>	<b>2.1167 (0.7680)</b>	<b>2,871 NAN</b>	<b>1,474 NAN</b>	<b>0 (0)</b>	<b>4,346 (0)</b>	<b>NAN (0.0000)</b>	<b>0 (0)</b>	<b>2.1167 NAN</b>	<b>4,346 NAN</b>
<b>TOTAL CATCH</b>	<b>2.2295 (0.8336)</b>	<b>3,103 NAN</b>	<b>1,474 NAN</b>	<b>0 (0)</b>	<b>4,577 (413)</b>	<b>NAN (0)</b>	<b>0 (0)</b>	<b>2.2295 NAN</b>	<b>4,577 NAN</b>
<b>ANGLER HOURS</b>		<b>976</b>	<b>851</b>	<b>226</b>	<b>2,053</b>		<b>0</b>		<b>2,053</b>



	(584)	(421)	(192)	(745)	(0)	(745)
ANGLER TRIPS	533	527	134	1,194	0	1,194
	(347)	(427)	(118)	(563)	(0)	(563)

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

Species	C/H	June	July	August	Season	Win C/H	Win Season	Sum C/H	Sum Season
HARVEST									
Largemouth bass	0.0028 (0.0030)	29 (46)	23 (30)	0 (0)	52 (55)	NAN (0)	0 (0)	0.0028 (0.0030)	52 (55)
Smallmouth bass	0.0004 (0.0008)	0 (0)	7 (14)	0 (0)	7 (14)	NAN (0)	0 (0)	0.0004 (0.0008)	7 (14)
Yellow Perch	0.0016 (0.0020)	30 (37)	0 (0)	0 (0)	30 (37)	NAN (0)	0 (0)	0.0016 (0.0020)	30 (37)
Bluegill	0.2186 (0.1439)	3,141 (2,487)	614 (442)	273 (321)	4,029 (2,546)	NAN (0)	0 (0)	0.2186 (0.1439)	4,029 (2,546)
Pumpkinseed	0.0027 (0.0047)	49 (86)	0 (0)	0 (0)	49 (86)	NAN (0)	0 (0)	0.0027 (0.0047)	49 (86)
Rock bass	0.0093 (0.0078)	14 (23)	80 (96)	77 (101)	172 (141)	NAN (0)	0 (0)	0.0093 (0.0078)	172 (141)
Black crappie	0.0468 (0.0396)	715 (680)	147 (216)	0 (0)	862 (713)	NAN (0)	0 (0)	0.0468 (0.0396)	862 (713)
Rainbow trout	0.0016 (0.0025)	10 (22)	0 (0)	19 (39)	30 (45)	NAN (0)	0 (0)	0.0016 (0.0025)	30 (45)
Green Sunfish	0.0027 (0.0047)	8 (16)	43 (85)	0 (0)	50 (87)	NAN (0)	0 (0)	0.0027 (0.0047)	50 (87)
OTH1	0.0143 (0.0182)	0 (0)	264 (332)	0 (0)	264 (332)	NAN (0)	0 (0)	0.0143 (0.0182)	264 (332)
TOTAL HARVEST	0.3008 (0.1553)	3,997 (2,580)	1,178 (609)	370 (339)	5,545 (2,672)	NAN (0.0000)	0 (0)	0.3008 (0.1553)	5,545 (2,672)
RELEASED									
Northern pike	0.0018 (0.0028)	0 (0)	33 (51)	0 (0)	33 (51)	NAN (0)	0 (0)	0.0018 (0.0028)	33 (51)
Largemouth bass	0.7726 (0.1675)	5,488 NAN	6,012 NAN	2,744 (1,601)	14,244 (1,601)	NAN (0)	0 (0)	0.7726 (0.1675)	14,244 (1,601)
Smallmouth bass	0.0470 (0.0380)	474 (605)	153 (163)	238 (268)	866 (681)	NAN (0)	0 (0)	0.0470 (0.0380)	866 (681)
Yellow Perch	0.0288 (0.0195)	145 (179)	268 (270)	119 (122)	531 (346)	NAN (0)	0 (0)	0.0288 (0.0195)	531 (346)
Bluegill	0.8177 (0.2095)	8,059 NAN	5,050 (2,221)	1,966 (1,477)	15,075 (2,667)	NAN (0)	0 (0)	0.8177 (0.2095)	15,075 (2,667)
Pumpkinseed	0.0027 (0.0054)	0 (0)	50 (99)	0 (0)	50 (99)	NAN (0)	0 (0)	0.0027 (0.0054)	50 (99)
Rock bass	0.0290 (0.0203)	261 (317)	229 (161)	44 (59)	534 (360)	NAN (0)	0 (0)	0.0290 (0.0203)	534 (360)
Black crappie	0.0473 (0.0346)	529 (511)	268 (314)	76 (139)	873 (616)	NAN (0)	0 (0)	0.0473 (0.0346)	873 (616)
Rainbow trout	0.0001 (0.0003)	0 (0)	0 (0)	3 (5)	3 (5)	NAN (0)	0 (0)	0.0001 (0.0003)	3 (5)
Green Sunfish	0.0033 (0.0036)	27 NAN	33 (66)	0 (0)	60 (66)	NAN (0)	0 (0)	0.0033 (0.0036)	60 (66)
OTH1	0.0069 (0.0065)	0 (0)	126 (117)	0 (0)	126 (117)	NAN (0)	0 (0)	0.0069 (0.0065)	126 (117)
TOTAL RELEASED	1.7571 (0.3470)	14,982 NAN	12,222 NAN	5,190 (2,204)	32,394 (2,204)	NAN (0.0000)	0 (0)	1.7571 NAN	32,394 NAN
TOTAL CATCH	2.0579 (0.4252)	18,979 NAN	13,400 NAN	5,560 (2,229)	37,939 (3,464)	NAN (0)	0 (0)	2.0579 NAN	37,939 NAN
ANGLER HOURS		8,090	6,415	3,931	18,436		0		18,436

	(2,534)	(1,660)	(1,582)	(3,417)	(0)	(3,417)
ANGLER TRIPS	2,450	2,116	1,084	5,650	0	5,650
	(784)	(699)	(483)	(1,156)	(0)	(1,156)