

## 2017 Winter Creel Survey Report for Wamplers Lake and Sand Lake in Lenawee County

<b>Waterbody</b>	Wamplers Lake and Sand Lake
<b>Year</b>	2017
<b>County</b>	Lenawee
<b>Sites</b>	Sand Lake, Wamplers Lake
<b>Survey period</b>	January 1 to January 31
<b>Survey design</b>	Roving (instantaneous)-access
<b>Count methods/modes</b>	Roving (instantaneous)/open ice and shanty <sup>1</sup>
<b>Clerk time</b>	Full time
<b>Survey purpose</b>	Characterize general effort and catch aspects of the fishery

### Notes

Survey followed a roving (instantaneous)-access design. Funding was provided by the Federal Aid to Sport Fish Restoration Project F-81, Study 230499. One clerk worked full time to collect angler survey data. Two weekend days and 3 week days were randomly selected for sampling during each week of the survey season. No holidays were sampled. The clerk followed a randomized count and interview schedule. One of two shifts was selected each sample day. Wamplers Lake and Sand Lake was divided into 2 sites: Sand Lake and Wamplers Lake. One site was randomly selected to be sampled each day. Starting location within a section and direction of travel were randomized for both counting and interviewing. Roving (instantaneous) counts of open ice and shanty anglers were made once per day. Survey period for both counts and interviews was January 1 to January 31. Months were estimated separately. Estimates were made for open ice and shanty modes.

Table 1.–Daylight hours used to estimate catch and effort at Wamplers Lake and Sand Lake in Lenawee County from January 1 to January 31, 2017.

Year	Month	Daylight hours
2017	1	10

<sup>1</sup> A shanty angler is an angler using any type of structure to fish in.

Table 2.—Estimated harvest, catch per hour, and fishing pressure for the Sand Lake open ice fishery. Two standard errors are given below the estimates.

Species	C/H	January	Season
HARVEST			
Yellow Perch	0.1413	32	32
	0.2207	47	47
Bluegill	0.1996	45	45
	0.3097	65	65
Black Crappie	0.0399	9	9
	0.0828	18	18
TOTAL HARVEST			
	0.3808	86	86
	0.4206	82	82
RELEASED			
Yellow Perch	0.9043	204	204
	0.8982	168	168
Bluegill	0.6817	154	154
	0.9394	194	194
TOTAL RELEASED			
	1.5860	358	358
	1.4369	257	257
TOTAL CATCH			
	1.9668	444	444
	1.6153	270	270
ANGLER HOURS			
		226	226
		124	124
ANGLER TRIPS			
		50	50
		33	33

Table 3.—Estimated harvest, catch per hour, and fishing pressure for the Sand Lake shanty fishery. Two standard errors are given below the estimates.

Species	C/H	January	Season
HARVEST			
Yellow Perch	0.8333	336	336
	1.1588	420	420
Bluegill	0.1667	67	67
	0.2908	110	110
Black Crappie	0.0278	11	11
	0.0552	21	21
TOTAL HARVEST			
	1.0278	414	414
	1.2466	435	435
RELEASED			
Yellow Perch	1.6389	661	661
	1.5219	463	463
Bluegill	0.1944	78	78
	0.2684	97	97
TOTAL RELEASED			
	1.8333	739	739
	1.6200	474	474
TOTAL CATCH			
	2.8611	1,153	1,153
	2.3608	643	643
ANGLER HOURS			
		403	403
		245	245
ANGLER TRIPS			
		67	67
		45	45

Table 4.—Estimated harvest, catch per hour, and fishing pressure for the combined open ice and shanty fishery on Sand Lake. Two standard errors are given below the estimates.

Species	C/H	January	Season
HARVEST			
Yellow Perch	0.5851	368	368
	0.7194	423	423
Bluegill	0.1785	112	112
	0.2178	128	128
Black Crappie	0.0321	20	20
	0.0464	28	28
TOTAL HARVEST	0.7957	500	500
	0.7852	442	442
RELEASED			
Yellow Perch	1.3754	865	865
	0.9887	493	493
Bluegill	0.3692	232	232
	0.3812	217	217
TOTAL RELEASED	1.7446	1,097	1,097
	1.1477	539	539
TOTAL CATCH	2.5403	1,597	1,597
	1.5701	697	697
ANGLER HOURS		629	629
		275	275
ANGLER TRIPS		117	117
		56	56

Table 5.—Estimated harvest, catch per hour, and fishing pressure for the Wamplers Lake open ice fishery. Two standard errors are given below the estimates.

Species	C/H	January	Season
TOTAL HARVEST	-	-	-
	-	-	-
TOTAL RELEASED	-	-	-
	-	-	-
TOTAL CATCH	-	-	-
	-	-	-
ANGLER HOURS		175	175
		87	87
ANGLER TRIPS		39	39
		21	21

Table 6.—Estimated harvest, catch per hour, and fishing pressure for The Wamplers Lake shanty fishery. Two standard errors are given below the estimates.

Species	C/H	January	Season
HARVEST			
Northern Pike	0.0387	61	61
	0.0798	122	122
Yellow Perch	0.0581	91	91
	0.1212	186	186
Bluegill	0.7077	1,110	1,110
	0.7720	1,114	1,114
Black Crappie	0.4095	642	642
	0.3868	541	541
Redear Sunfish	1.0589	1,660	1,660
	1.0942	1,563	1,563
TOTAL HARVEST	2.2729	3,564	3,564
	1.6052	2,007	2,007
RELEASED			
Northern Pike	0.0194	30	30
	0.0399	61	61
Largemouth Bass	0.0775	121	121
	0.0957	141	141
Yellow Perch	0.7203	1,129	1,129
	1.2356	1,877	1,877
Bluegill	2.2402	3,513	3,513
	1.8895	2,556	2,556
Black Crappie	0.6157	965	965
	0.9275	1,395	1,395
Redear Sunfish	0.2438	382	382
	0.3330	496	496
TOTAL RELEASED	3.9168	6,142	6,142
	2.7892	3,503	3,503
TOTAL CATCH	6.1897	9,705	9,705
	3.6868	4,037	4,037
ANGLER HOURS		1,568	1,568
		668	668
ANGLER TRIPS		367	367
		166	166

Table 7.—Estimated harvest, catch per hour, and fishing pressure for the combined open ice and shanty fishery on Wamplers Lake. Two standard errors are given below the estimates.

Species	C/H	January	Season
HARVEST			
Northern Pike	0.0348	61	61
	0.0715	122	122
Yellow Perch	0.0522	91	91
	0.1086	186	186
Bluegill	0.6365	1,110	1,110
	0.6850	1,114	1,114
Black Crappie	0.3683	642	642
	0.3416	541	541
Redear Sunfish	0.9524	1,660	1,660
	0.9693	1,563	1,563
TOTAL HARVEST	2.0444	3,564	3,564
	1.3965	2,007	2,007
RELEASED			
Northern Pike	0.0174	30	30
	0.0358	61	61
Largemouth Bass	0.0697	121	121
	0.0852	141	141
Yellow Perch	0.6479	1,129	1,129
	1.1053	1,877	1,877
Bluegill	2.0150	3,513	3,513
	1.6606	2,556	2,556
Black Crappie	0.5538	965	965
	0.8283	1,395	1,395
Redear Sunfish	0.2193	382	382
	0.2969	496	496
TOTAL RELEASED	3.5230	6,142	6,142
	2.4278	3,503	3,503
TOTAL CATCH	5.5674	9,705	9,705
	3.1621	4,037	4,037
ANGLER HOURS		1,743	1,743
		674	674
ANGLER TRIPS		406	406
		167	167