

Open Water Creel Survey Report for Wamplers Lake and Sand Lake, Lenawee County, 2017

Survey Area	Wamplers Lake and Sand Lake
Year	2017
County	Lenawee County
Sites	SandLake, WamplersLake
Survey period	April 1 to October 31
Survey design	Roving (instantaneous)-access
Count methods/modes	Roving (instantaneous)/boat
Clerk time	full time
Survey purpose	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 angling 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 were divided into 2 sites: SandLake and WamplersLake. Only 1 site (lake) was sampled per day. Starting location within a section and direction of travel were randomized for both counting and interviewing. Roving (instantaneous) counts of boat anglers were made twice per day. Survey period for both counts and interviews was April 1 to October 31. Months were estimated separately.

Table 1.—Daylight hours used to estimate catch and effort at Wamplers Lake and Sand Lake, April 1 to October 31, 2017.

Year	Month	Daylight Hours
2017	4	14
2017	5	16
2017	6	16
2017	7	16
2017	8	16
2017	9	15
2017	10	14

Table 2.—Estimated harvest, catch per hour, and fishing pressure for Sand Lake boat angling fishery. Two standard errors are given below the estimates. “Other sp” in the table include mostly Redear Sunfish.

Species	C/H	April	May	June	July	August	September	October	Season
HARVEST									
Walleye	0.0002	–	–	3	–	–	–	–	3
	0.0005	–	–	5	–	–	–	–	5
Largemouth Bass	0.0024	–	–	–	11	8	–	8	28
	0.0028	–	–	–	22	16	–	17	32
Yellow Perch	0.0126	–	28	–	–	94	24	–	146
	0.0114	–	57	–	–	110	34	–	129
Bluegill	0.9405	722	7,366	1,597	324	835	41	24	10,909
	0.4846	924	4,683	1,810	364	612	80	48	5,155
Pumpkinseed	0.0469	–	503	41	–	–	–	–	544
	0.0465	–	522	78	–	–	–	–	528
Rock Bass	0.0100	–	116	–	–	–	–	–	116
	0.0122	–	140	–	–	–	–	–	140
Black Crappie	0.0352	145	118	3	–	58	85	–	408
	0.0322	255	186	5	–	83	163	–	364
Brown Bullhead	0.0032	–	–	–	–	37	–	–	37
	0.0063	–	–	–	–	73	–	–	73
Channel Catfish	0.0015	–	–	–	17	–	–	–	17
	0.0029	–	–	–	34	–	–	–	34
Other Sp	0.1352	–	589	172	204	565	14	24	1,568
	0.0755	–	519	181	293	522	29	48	815
TOTAL HARVEST	1.3229	867	9,311	1,988	760	2,162	177	81	15,345
	0.5334	958	4,775	1,829	553	964	188	86	5,323
RELEASED									
Walleye	0.0036	12	–	19	11	–	–	–	42
	0.0043	21	–	38	22	–	–	–	49
Northern Pike	0.0264	93	28	60	–	29	95	–	306
	0.0198	164	42	77	–	33	113	–	220
Largemouth Bass	1.5372	2,027	3,490	3,976	3,386	1,939	2,734	279	17,831
	0.5726	2,761	1,961	3,410	1,535	859	2,086	392	5,540
Smallmouth Bass	0.0596	–	171	137	198	86	82	17	691
	0.0279	–	199	119	131	77	86	23	291
Yellow Perch	0.0294	–	29	30	73	144	41	24	341
	0.0152	–	41	42	77	110	48	46	161
Bluegill	1.0423	1,800	5,686	2,168	997	838	486	116	12,090
	0.4578	1,920	3,466	2,301	785	476	419	146	4,694
Pumpkinseed	0.0607	–	585	3	28	33	14	41	704
	0.0706	–	800	5	41	53	28	66	806
Rock Bass	0.0363	–	186	77	90	37	14	17	421
	0.0213	–	192	69	91	39	27	37	232
Black Crappie	0.0245	85	59	24	11	33	55	17	284
	0.0216	178	95	38	22	67	108	23	244
Brown Bullhead	0.0063	–	14	3	39	17	–	–	73
	0.0054	–	28	5	47	24	–	–	60
Channel Catfish	0.0029	–	–	–	34	–	–	–	34
	0.0057	–	–	–	66	–	–	–	66
Other Sp Released	0.1106	12	–	32	642	558	14	25	1,283
	0.1024	24	–	46	1,028	526	27	52	1,158
TOTAL RELEASED	3.0504	4,040	10,248	6,561	6,153	4,272	3,547	561	35,383
	0.9008	3,371	4,073	4,118	2,265	1,244	2,136	435	7,506
TOTAL CATCH	4.3733	4,907	19,559	8,549	6,913	6,435	3,723	642	50,728
	1.1986	3,505	6,276	4,506	2,331	1,573	2,144	443	9,202
ANGLER HOURS		933	2,639	1,843	2,190	1,936	1,817	241	11,600
		599	1,096	1,383	794	543	1,095	289	2,383
ANGLER TRIPS		264	868	643	691	558	396	82	3,504
		182	407	524	265	170	244	99	801

Table 3.—Estimated harvest, catch per hour, and fishing pressure for Wamplers Lake boat angling fishery. Two standard errors are given below the estimates. “Other sp” in the table include mostly Redear Sunfish.

Species	C/H	April	May	June	July	August	September	October	Season
HARVEST									
Walleye	0.0003	–	–	–	–	6	–	–	6
	0.0006	–	–	–	–	11	–	–	11
Northern Pike	0.0003	–	–	–	–	6	–	–	6
	0.0006	–	–	–	–	11	–	–	11
Largemouth Bass	0.0119	–	–	146	43	11	26	19	245
	0.0126	–	–	228	62	15	39	39	243
Smallmouth Bass	0.0018	–	–	–	–	–	17	19	36
	0.0019	–	–	–	–	–	25	28	38
Yellow Perch	0.0216	–	5	115	46	242	26	10	444
	0.0230	–	9	131	55	419	40	19	445
Bluegill	0.2772	12	383	3,685	783	532	281	19	5,695
	0.1990	23	309	3,442	591	487	280	27	3,551
Pumpkinseed	0.0518	71	125	565	127	100	77	–	1,064
	0.0369	141	116	604	120	106	98	–	658
Rock Bass	0.0204	12	14	216	37	123	17	–	419
	0.0187	23	27	321	37	135	34	–	354
Black Crappie	0.1138	97	54	1,013	692	359	103	19	2,337
	0.0884	184	90	1,422	564	446	148	38	1,614
Brown Bullhead	0.0006	–	–	–	–	12	–	–	12
	0.0012	–	–	–	–	24	–	–	24
Other Sp	0.4074	71	373	4,972	381	1,587	977	10	8,370
	0.2626	141	367	4,192	404	1,319	772	19	4,497
TOTAL HARVEST	1.3144	333	1,326	15,684	2,491	4,564	2,500	105	27,004
	0.5825	307	622	6,635	999	1,998	1,143	75	7,128
RELEASED									
Walleye	0.0025	12	13	21	–	–	–	5	50
	0.0028	24	26	42	–	–	–	10	55
Northern Pike	0.0493	71	18	151	238	185	206	143	1,012
	0.0279	91	19	202	270	137	165	176	446
Largemouth Bass	0.6971	1,235	1,248	4,585	1,678	2,611	1,763	1,202	14,322
	0.3652	1,612	766	4,493	1,149	1,732	1,107	1,175	5,504
Smallmouth Bass	0.0331	–	208	243	146	47	17	19	681
	0.0227	–	180	310	157	56	34	32	398
Yellow Perch	0.2028	–	57	1,021	883	1,441	727	38	4,167
	0.1087	–	66	1,145	655	845	575	47	1,670
Bluegill	0.9046	611	1,289	7,995	3,152	3,709	1,349	482	18,586
	0.5041	830	749	7,227	1,972	2,247	910	505	7,969
Pumpkinseed	0.0597	–	27	1,026	164	–	9	–	1,226
	0.0733	–	47	1,427	196	–	17	–	1,441
Rock Bass	0.0732	–	241	588	413	201	43	19	1,505
	0.0486	–	246	640	456	170	49	38	843
Black Crappie	0.1012	60	94	1,164	330	267	34	129	2,079
	0.0893	81	111	1,611	334	201	39	228	1,679
Brown Bullhead	0.0039	–	5	–	25	23	17	10	79
	0.0038	–	9	–	52	38	25	19	72
Other Sp Released	0.4484	47	104	3,157	2,923	1,848	1,101	33	9,213
	0.2773	94	115	2,587	3,429	1,517	968	58	4,660
TOTAL RELEASED	3.0242	2,084	3,409	23,109	12,874	12,179	6,365	2,113	62,133
	1.2247	1,823	1,135	9,587	5,307	3,640	2,072	1,315	11,998
TOTAL CATCH	4.3385	2,417	4,735	38,793	15,365	16,744	8,865	2,218	89,137
	1.6871	1,848	1,294	11,659	5,400	4,152	2,366	1,317	13,956
ANGLER HOURS		925	1,500	6,438	3,692	3,447	2,595	1,949	20,545
		697	521	6,442	2,024	1,405	1,307	1,857	7,313
ANGLER TRIPS		240	449	1,545	929	937	555	348	5,002
		186	169	1,476	566	441	287	297	1,711