

## Winter Creel Survey Report for Otsego Lake , Otsego County, 2019

<b>Waterbody</b>	Otsego Lake
<b>Year</b>	2019
<b>County</b>	Otsego County
<b>Sites</b>	OtsegoLake
<b>Survey period</b>	January 1 to March 31
<b>Survey design</b>	Roving (instantaneous)-roving
<b>Count methods/modes</b>	Roving (instantaneous)/open ice and shanty
<b>Clerk time</b>	1/2 time
<b>Survey purpose</b>	Characterize general effort and catch aspects of the fishery

### Notes

This survey followed a roving (instantaneous)-roving design. Funding was provided by the Federal Aid to Sport Fish Restoration Project F-81, Study 230499. One clerk worked 1/2 time to collect angling survey data. Weekdays and weekend days were randomly selected for sampling during each week of the survey season. There were not always the same number of days each week of a month that got sampled because it was done as part of the Les Cheneaux Islands/Detour Great Lakes survey. No holidays were sampled. Clerks followed a randomized count and interview schedule. One of two shifts was selected each sample day. The entire water body was sampled each day. Starting location and direction of travel were randomized for both counting and interviewing. Roving (instantaneous) counts of open ice and shanty anglers were made twice per day. Survey period for both counts and interviews was January 1 to March 31. Months were estimated separately. Estimates are available for open ice and shanty. "**NAN**" in a table means there was not enough information to make a calculation.

Table 1.–Daylight hours used to estimate catch and effort each month of Otsego Lake winter creel survey from January 1 to March 31, 2019.

Year	Month	Daylight Hours
2019	January	11
2019	February	13
2019	March	14

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

Species	C/H	January	February	March	Season
<b>HARVEST</b>					
Walleye	0.0263	32	46	-	78
	0.0456	66	92	-	113
Northern pike	0.0022	7	-	-	7
	0.0091	NAN	-	-	26
Bluegill	0.0007	-	-	2	2
	0.0015	-	-	4	4
Rock bass	0.0033	-	-	10	10
	0.0075	-	-	20	20
TOTAL HARVEST	0.0325	38	46	12	96
	0.0680	NAN	92	21	180
<b>RELEASED</b>					
Walleye	0.1346	324	74	-	398
	0.2371	583	109	-	594
Northern pike	0.0133	-	30	9	39
	0.0249	-	61	20	64
Smallmouth bass	0.0014	-	-	4	4
	0.0030	-	-	8	8
Yellow Perch	0.0528	138	-	18	156
	0.0918	226	-	34	229
TOTAL RELEASED	0.2021	462	104	31	597
	0.2874	626	125	40	639
TOTAL CATCH	0.2346	500	150	43	693
	0.3142	NAN	155	45	664
ANGLER HOURS		1,184	1,604	168	2,956
		1,538	2,297	148	2,768
ANGLER TRIPS		292	656	55	1,002
		385	1,010	48	1,082

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

<b>Species</b>	<b>C/H</b>	<b>January</b>	<b>February</b>	<b>March</b>	<b>Season</b>
<b>HARVEST</b>					
Walleye	0.0038	49	-	-	49
	0.0060	71	-	-	71
Northern pike	0.0006	-	8	-	8
	0.0012	-	15	-	15
Yellow Perch	0.0264	339	-	-	339
	0.0362	421	-	-	421
Bluegill	0.0007	9	-	-	9
	0.0015	18	-	-	18
Black crappie	0.0009	-	11	-	11
	0.0018	-	23	-	23
<b>TOTAL HARVEST</b>	<b>0.0325</b>	<b>397</b>	<b>19</b>	<b>-</b>	<b>416</b>
	<b>0.0382</b>	<b>427</b>	<b>27</b>	<b>-</b>	<b>428</b>
<b>RELEASED</b>					
Walleye	0.0533	643	40	-	682
	0.0550	584	57	-	586
Northern pike	0.0007	9	-	-	9
	0.0015	18	-	-	18
Smallmouth bass	0.0023	29	-	-	29
	0.0047	58	-	-	58
Yellow Perch	0.0108	107	31	-	138
	0.0146	158	62	-	170
Bluegill	0.0310	-	-	397	397
	0.0582	-	-	709	709
Sturgeon	0.0077	98	-	-	98
	0.0118	140	-	-	140
<b>TOTAL RELEASED</b>	<b>0.1058</b>	<b>886</b>	<b>70</b>	<b>397</b>	<b>1,354</b>
	<b>0.0957</b>	<b>623</b>	<b>84</b>	<b>709</b>	<b>948</b>
<b>TOTAL CATCH</b>	<b>0.1382</b>	<b>1,283</b>	<b>89</b>	<b>397</b>	<b>1,770</b>
	<b>0.1135</b>	<b>756</b>	<b>88</b>	<b>709</b>	<b>1,040</b>
<b>ANGLER HOURS</b>		<b>10,410</b>	<b>1,752</b>	<b>641</b>	<b>12,803</b>
		<b>7,248</b>	<b>989</b>	<b>546</b>	<b>7,336</b>
<b>ANGLER TRIPS</b>		<b>2,815</b>	<b>523</b>	<b>141</b>	<b>3,479</b>
		<b>2,057</b>	<b>314</b>	<b>126</b>	<b>2,085</b>

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

Species	C/H	January	February	March	Season
<b>HARVEST</b>					
Walleye	0.0081	81	46	-	127
	0.0094	97	92	-	134
Northern pike	0.0009	7	8	-	14
	0.0019	NAN	15	-	30
Yellow Perch	0.0215	339	-	-	339
	0.0288	421	-	-	421
Bluegill	0.0007	9	-	2	11
	0.0012	18	-	4	19
Rock bass	0.0006	-	-	10	10
	0.0013	-	-	20	20
Black crappie	0.0007	-	11	-	11
	0.0015	-	23	-	23
TOTAL HARVEST	0.0325	435	65	12	512
	0.1117	NAN	96	21	1,742
<b>RELEASED</b>					
Walleye	0.0685	967	113	-	1,080
	0.0630	825	123	-	834
Northern pike	0.0031	9	30	9	48
	0.0045	18	61	20	66
Smallmouth bass	0.0021	29	-	4	33
	0.0038	58	-	8	58
Yellow Perch	0.0187	245	31	18	294
	0.0203	276	62	34	285
Bluegill	0.0252	-	-	397	397
	0.0467	-	-	709	709
Sturgeon	0.0062	98	-	-	98
	0.0094	140	-	-	140
TOTAL RELEASED	0.1238	1,349	174	429	1,952
	0.0952	883	151	710	1,143
TOTAL CATCH	0.1563	1,784	239	440	2,463
	0.1534	NAN	179	711	2,084
ANGLER HOURS		11,594	3,356	809	15,759
		7,410	2,501	566	7,841
ANGLER TRIPS		3,107	1,178	196	4,481
		2,093	1,058	135	2,349