

## Open Water Creel Survey Report for Lake Gogebic, Gogebic and Ottawa Counties, 2016

<b>Waterbody</b>	LakeGogebic
<b>Year</b>	2016
<b>County</b>	Gogebic and Ottawa
<b>Sites</b>	120, 121
<b>Survey period</b>	May 1 to September 30
<b>Survey design</b>	Roving (instantaneous)-roving
<b>Count methods/modes</b>	Roving (instantaneous)/boat and shore
<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)-roving design. Funding was provided by the Federal Aid to Sport Fish Restoration Project F-81, Study 230499. One clerk worked 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. Lake Gogebic was divided into 2 sections: 120 and 121. The whole lake was sampled each scheduled day. Starting location within a section and direction of travel were randomized for both counting and interviewing. Roving (instantaneous) counts of boat and shore anglers were made once per day. Survey period for both counts and interviews was May 1 to September 30. Months were estimated separately. Estimates are available for boat, pier/dock and shore angling. “**NAN**” in a table means there was insufficient data to make an estimate.

Table 1.–Daylight hours used to estimate catch and effort for the Lake Gogebic open water creel survey, May 1, 2016 to September 30, 2016.

<b>Year</b>	<b>Month</b>	<b>Daylight hours</b>
2016	5	15
2016	6	16
2016	7	16
2016	8	15
2016	9	13

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

Species	C/H	May	June	July	August	September	Season
<b>HARVEST</b>							
Walleye	0.2546	4,737	5,402	6,682	3,115	1,739	21,676
	0.0414	1,944	1,499	1,735	758	690	3,176
Northern pike	0.0054	29	336	58	—	33	456
	0.0042	58	343	81	—	45	360
Smallmouth bass	0.0178	—	448	470	432	169	1,519
	0.0071	—	453	302	220	117	599
Yellow Perch	0.1374	559	2,212	3,447	3,215	2,262	11,695
	0.0307	484	1,230	1,270	1,070	1,278	2,478
Bluegill	0.0019	—	150	—	10	—	160
	0.0021	—	175	—	20	—	176
Pumpkinseed	0.1386	489	3,292	2,878	1,890	3,253	11,801
	0.0488	715	1,551	1,465	1,142	3,196	4,072
Rock bass	0.0066	—	28	458	77	—	563
	0.0047	—	43	369	155	—	402
Black crappie	0.0014	—	41	31	42	6	120
	0.0012	—	58	62	57	13	103
<b>TOTAL HARVEST</b>	<b>0.5637</b>	<b>5,814</b>	<b>11,910</b>	<b>14,023</b>	<b>8,780</b>	<b>7,463</b>	<b>47,991</b>
	<b>0.0787</b>	<b>2,128</b>	<b>2,554</b>	<b>2,647</b>	<b>1,761</b>	<b>3,513</b>	<b>5,788</b>
<b>RELEASED</b>							
Walleye	0.2125	5,676	4,193	3,786	2,904	1,534	18,092
	0.0484	2,851	1,993	1,374	888	783	3,923
Northern pike	0.0753	2,186	1,995	1,199	354	677	6,410
	0.0188	1,051	860	538	226	420	1,537
Largemouth bass	0.0002	—	—	—	18	—	18
	0.0004	—	—	—	35	—	35
Smallmouth bass	0.2324	2,928	10,492	2,909	1,846	1,612	19,787
	0.0719	1,891	5,454	1,127	596	752	5,960
Yellow Perch	0.2332	871	4,170	5,386	5,858	3,568	19,853
	0.0576	845	2,259	2,577	2,404	1,973	4,704
Bluegill	0.0023	—	165	—	30	—	195
	0.0039	—	327	—	60	—	333
Pumpkinseed	0.1874	1,369	7,761	3,798	1,974	1,050	15,952
	0.0577	1,244	3,923	1,792	1,453	788	4,784
Rock bass	0.0255	73	1,038	650	284	129	2,175
	0.0096	93	600	451	203	157	799
Black crappie	0.0002	18	—	—	—	—	18
	0.0004	38	—	—	—	—	38
<b>TOTAL RELEASED</b>	<b>0.9691</b>	<b>13,121</b>	<b>29,814</b>	<b>17,727</b>	<b>13,268</b>	<b>8,570</b>	<b>82,500</b>
	<b>0.1353</b>	<b>3,884</b>	<b>7,445</b>	<b>3,675</b>	<b>3,022</b>	<b>2,428</b>	<b>9,952</b>
<b>TOTAL CATCH</b>	<b>1.5329</b>	<b>18,935</b>	<b>41,724</b>	<b>31,751</b>	<b>22,048</b>	<b>16,033</b>	<b>130,491</b>
	<b>0.1728</b>	<b>4,428</b>	<b>7,871</b>	<b>4,529</b>	<b>3,497</b>	<b>4,270</b>	<b>11,512</b>
<b>ANGLER HOURS</b>		<b>12,771</b>	<b>21,766</b>	<b>23,766</b>	<b>16,423</b>	<b>10,401</b>	<b>85,128</b>
		<b>3,349</b>	<b>2,744</b>	<b>3,055</b>	<b>2,142</b>	<b>1,744</b>	<b>5,976</b>
<b>ANGLER TRIPS</b>		<b>3,452</b>	<b>5,724</b>	<b>6,200</b>	<b>4,707</b>	<b>2,226</b>	<b>22,309</b>
		<b>1,195</b>	<b>1,030</b>	<b>971</b>	<b>939</b>	<b>538</b>	<b>2,146</b>

Table 3.—Estimated harvest, catch per hour, and fishing pressure for the pier/dock fishery on Lake Gogebic . Two standard errors are given below the estimates.

Species	C/H	May	June	July	August	September	Season
<b>HARVEST</b>							
Walleye	0.0513	113	—	—	—	—	113
	0.0264	53	—	—	—	—	53
Smallmouth bass	0.0160	—	35	—	—	—	35
	0.0233	—	51	—	—	—	51
Yellow Perch	0.0064	—	—	14	—	—	14
	0.0258	—	—	NAN	—	—	57
Pumpkinseed	0.0015	—	—	—	3	—	3
	0.0031	—	—	—	7	—	7
Rock bass	0.0040	—	9	—	—	—	9
	0.0081	—	18	—	—	—	18
TOTAL HARVEST	0.0792	113	44	14	3	—	174
	0.0461	53	54	NAN	7	—	95
<b>RELEASED</b>							
Walleye	0.0225	34	16	—	—	—	49
	0.0246	43	31	—	—	—	53
Northern pike	0.0745	23	107	33	—	—	164
	0.0955	23	158	NAN	—	—	207
Smallmouth bass	0.1172	221	37	—	—	—	257
	0.4044	NAN	73	—	—	—	887
Yellow Perch	0.1074	—	—	14	222	—	236
	0.2048	—	—	NAN	444	—	447
Pumpkinseed	0.4624	424	—	—	591	—	1,016
	0.5950	514	—	—	1,183	—	1,290
Rock bass	0.1790	168	—	—	225	—	393
	0.2171	154	—	—	444	—	470
TOTAL RELEASED	0.9630	870	159	47	1,038	—	2,115
	1.7138	NAN	177	NAN	1,339	—	3,739
TOTAL CATCH	1.0422	983	203	61	1,042	—	2,289
	1.7164	NAN	185	NAN	1,339	—	3,740
ANGLER HOURS		733	663	271	351	178	2,196
		284	232	147	205	107	457
ANGLER TRIPS		575	585	179	215	176	1,730
		243	262	145	243	146	479

Table 4.—Estimated harvest, catch per hour, and fishing pressure for the shore fishery on Lake Gogebic. Two standard errors are given below the estimates.

Species	C/H	May	June	July	August	September	Season
HARVEST							
Walleye	0.0119	5	—	—	—	—	5
	0.0243	10	—	—	—	—	10
Pumpkinseed	0.1320	58	—	—	—	—	58
	0.1803	75	—	—	—	—	75
TOTAL HARVEST	0.1439	64	—	—	—	—	64
	0.1837	76	—	—	—	—	76
RELEASED							
Northern pike	0.0238	10	—	—	—	—	10
	0.0487	21	—	—	—	—	21
Yellow Perch	0.0396	18	—	—	—	—	18
	0.0538	22	—	—	—	—	22
Pumpkinseed	0.0264	12	—	—	—	—	12
	0.0412	17	—	—	—	—	17
TOTAL RELEASED	0.0898	40	—	—	—	—	40
	0.0894	35	—	—	—	—	35
TOTAL CATCH	0.2336	103	—	—	—	—	103
	0.2164	84	—	—	—	—	84
ANGLER HOURS		249	89	34	25	44	442
		143	101	51	49	55	197
ANGLER TRIPS		86	32	12	9	16	154
		110	63	25	26	32	136

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

Species	C/H	May	June	July	August	September	Season
<b>HARVEST</b>							
Walleye	0.2483	4,855	5,402	6,682	3,115	1,739	21,794
	0.0400	1,945	1,499	1,735	758	690	3,176
Northern pike	0.0052	29	336	58	—	33	456
	0.0041	58	343	81	—	45	360
Smallmouth bass	0.0177	—	483	470	432	169	1,554
	0.0070	—	456	302	220	117	601
Yellow Perch	0.1334	559	2,212	3,461	3,215	2,262	11,709
	0.1598	484	1,230	NAN	1,070	1,278	14,006
Bluegill	0.0018	—	150	—	10	—	160
	0.0020	—	175	—	20	—	176
Pumpkinseed	0.1352	547	3,292	2,878	1,893	3,253	11,863
	0.0473	719	1,551	1,465	1,142	3,196	4,073
Rock bass	0.0065	—	37	458	77	—	572
	0.0046	—	47	369	155	—	403
Black crappie	0.0014	—	41	31	42	6	120
	0.0012	—	58	62	57	13	103
<b>TOTAL HARVEST</b>	<b>0.5495</b>	<b>5,990</b>	<b>11,954</b>	<b>14,037</b>	<b>8,784</b>	<b>7,463</b>	<b>48,229</b>
	<b>0.6435</b>	<b>2,130</b>	<b>2,555</b>	<b>NAN</b>	<b>1,761</b>	<b>3,513</b>	<b>56,385</b>
<b>RELEASED</b>							
Walleye	0.2067	5,709	4,208	3,786	2,904	1,534	18,142
	0.0469	2,852	1,993	1,374	888	783	3,923
Northern pike	0.0750	2,220	2,102	1,232	354	677	6,584
	0.0587	1,051	875	NAN	226	420	5,135
Largemouth bass	0.0002	—	—	—	18	—	18
	0.0004	—	—	—	35	—	35
Smallmouth bass	0.2284	3,149	10,529	2,909	1,846	1,612	20,044
	0.1581	NAN	5,455	1,127	596	752	13,804
Yellow Perch	0.2291	889	4,170	5,400	6,080	3,568	20,107
	0.2507	845	2,259	NAN	2,444	1,973	21,961
Bluegill	0.0022	—	165	—	30	—	195
	0.0038	—	327	—	60	—	333
Pumpkinseed	0.1935	1,805	7,761	3,798	2,566	1,050	16,980
	0.0580	1,346	3,923	1,792	1,873	788	4,955
Rock bass	0.0293	241	1,038	650	509	129	2,568
	0.0107	180	600	451	488	157	927
Black crappie	0.0002	18	—	—	—	—	18
	0.0004	38	—	—	—	—	38
<b>TOTAL RELEASED</b>	<b>0.9645</b>	<b>14,031</b>	<b>29,974</b>	<b>17,775</b>	<b>14,306</b>	<b>8,570</b>	<b>84,655</b>
	<b>1.0387</b>	<b>NAN</b>	<b>7,447</b>	<b>NAN</b>	<b>3,305</b>	<b>2,428</b>	<b>90,979</b>
<b>TOTAL CATCH</b>	<b>1.5141</b>	<b>20,021</b>	<b>41,928</b>	<b>31,812</b>	<b>23,090</b>	<b>16,033</b>	<b>132,884</b>
	<b>1.2239</b>	<b>NAN</b>	<b>7,873</b>	<b>NAN</b>	<b>3,745</b>	<b>4,270</b>	<b>107,035</b>
<b>ANGLER HOURS</b>		<b>13,754</b>	<b>22,519</b>	<b>24,071</b>	<b>16,799</b>	<b>10,624</b>	<b>87,767</b>
		<b>3,364</b>	<b>2,755</b>	<b>3,059</b>	<b>2,152</b>	<b>1,748</b>	<b>5,996</b>
<b>ANGLER TRIPS</b>		<b>4,112</b>	<b>6,341</b>	<b>6,392</b>	<b>4,931</b>	<b>2,418</b>	<b>24,194</b>
		<b>1,224</b>	<b>1,065</b>	<b>983</b>	<b>971</b>	<b>558</b>	<b>2,202</b>