

2017 Winter Creel Survey Report for Mullett Lake, Cheboygan County

Waterbody	Mullett Lake
Year	2017
County	Cheboygan
Sites	Mullett Lake
Survey period	January 9 to March 31
Survey design	Roving (instantaneous)-roving
Count methods/modes	Roving (instantaneous)/open ice and shanty ¹
Clerk time	Full time
Survey purpose	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 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. The entire water body was sampled each scheduled day. Starting location within the waterbody 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 9 to March 31. Months were estimated separately. Estimates are available for open ice and shanty fishing modes.

Table 1.–Daylight hours used to estimate catch and effort at Mullett Lake, Cheboygan County from January 9 to March 31, 2017.

Year	Month	Daylight hours
2017	1	11
2017	2	13
2017	3	14

¹ 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 Mullett Lake open ice fishery. Two standard errors are given below the estimates.

Species	C/H	January	February	March	Season
HARVEST					
Walleye	0.0205	14	16	3	33
	0.0257	29	26	6	39
Northern Pike	0.0067	–	4	7	11
	0.0102	–	8	14	16
Yellow Perch	0.7128	476	416	257	1,149
	0.5240	506	367	283	686
Cisco	0.0033	–	5	–	5
	0.0068	–	11	–	11
White Bass	0.0031	–	5	–	5
	0.0062	–	10	–	10
TOTAL HARVEST	0.7464	490	446	267	1,203
	0.5332	506	368	284	687
RELEASED					
Northern Pike	0.0055	–	4	5	9
	0.0082	–	8	10	13
Yellow Perch	0.0221	29	7	–	36
	0.0377	57	14	–	59
TOTAL RELEASED	0.0276	29	11	5	44
	0.0391	57	16	10	60
TOTAL CATCH	0.7740	519	457	272	1,247
	0.5417	510	368	284	690
ANGLER HOURS		249	1,018	345	1,612
		161	565	365	691
ANGLER TRIPS		45	185	63	293
		29	103	66	126

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

Species	C/H	January	February	March	Season
HARVEST					
Walleye	0.0152	35	98	3	136
	0.0143	46	113	5	122
Northern Pike	0.0299	–	216	51	267
	0.0224	–	176	59	186
Yellow Perch	0.4375	194	3,424	288	3,906
	0.2397	189	1,812	210	1,834
Cisco	0.0026	17	6	–	24
	0.0040	33	13	–	35
White Bass	0.0013	–	11	–	11
	0.0026	–	23	–	23
Other*	0.0024	15	6	–	21
	0.0037	30	13	–	32
TOTAL HARVEST	0.4889	260	3,762	342	4,365
	0.2488	200	1,824	218	1,848
RELEASED					
Walleye	0.0088	69	–	9	78
	0.0151	132	–	11	133
Northern Pike	0.0184	107	56	2	164
	0.0203	161	70	5	175
Yellow Perch	0.1091	80	877	17	974
	0.0747	93	599	27	607
White Bass	0.0027	–	24	–	24
	0.0055	–	49	–	49
TOTAL RELEASED	0.1390	256	957	29	1,241
	0.0825	228	605	29	648
TOTAL CATCH	0.6279	516	4,719	371	5,606
	0.2820	303	1,922	220	1,958
ANGLER HOURS		1,918	6,238	772	8,928
		739	2,383	362	2,521
ANGLER TRIPS		643	1,647	205	2,496
		267	889	109	934

**Other* in the table was a combination of gar and sucker.

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

Species	C/H	January	February	March	Season
HARVEST					
Walleye	0.0160	49	114	7	169
	0.0128	55	116	8	128
Northern Pike	0.0263	–	220	58	277
	0.0188	–	176	61	186
Yellow Perch	0.4796	670	3,840	545	5,055
	0.2206	540	1,849	353	1,958
Cisco	0.0027	17	12	–	29
	0.0036	33	17	–	37
White Bass	0.0015	–	16	–	16
	0.0024	–	25	–	25
Other*	0.0020	15	6	–	21
	0.0031	30	13	–	32
TOTAL HARVEST	0.5283	751	4,208	609	5,568
	0.2284	544	1,861	358	1,972
RELEASED					
Walleye	0.0074	69	–	9	78
	0.0127	132	–	11	133
Northern Pike	0.0164	107	60	7	173
	0.0171	161	70	11	176
Yellow Perch	0.0958	108	884	17	1,009
	0.0626	109	600	27	610
White Bass	0.0023	–	24	–	24
	0.0047	–	49	–	49
TOTAL RELEASED	0.1220	284	968	33	1,285
	0.0687	235	606	31	650
TOTAL CATCH	0.6502	1,035	5,176	643	6,853
	0.2546	593	1,957	359	2,076
ANGLER HOURS		2,167	7,256	1,117	10,539
		756	2,449	514	2,614
ANGLER TRIPS		688	1,833	268	2,789
		268	895	127	943

**Other* in the table was a combination of gar and sucker.