

Open Water Creel Survey Report for Mullett Lake, Cheboygan County, 2016

Waterbody	Mullett Lake
Year	2016
County	Cheboygan
Sites	MullettLake
Survey period	May 7 to November 30
Survey design	Roving (instantaneous)-roving
Count methods/modes	Roving (instantaneous)/boat
Clerk time	full time
Survey purpose	Characterize general effort and catch aspects of the boat fishery

Notes

Survey followed a roving (instantaneous)-roving design. All 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. Clerk 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 within the waterbody and direction of travel were randomized for both counting and interviewing. Roving (instantaneous) counts of boat anglers were made once per day. Survey period for both counts and interviews was May 7 to November 30. Months were estimated separately. Estimates are available for boat mode only.

Table –Daylight hours used to estimate catch and effort on Mullett Lake from May 7,2016 to November 30, 2016.

Year	Month	Daylight hours
2016	5	14
2016	6	15
2016	7	16
2016	8	15
2016	9	14
2016	10	14
2016	11	11
2016	12	11

Table 1.—Estimated harvest, catch per hour, and fishing pressure for the 2016 open water Mullett Lake boat fishery. Two standard errors are given below the estimates.

Species	C/H	May	June	July	August	September	October	November	Season
HARVEST									
Walleye	0.0885	306	1,252	1,164	1,267	817	14	—	4,819
	0.0196	170	436	510	516	420	22	—	960
Northern pike	0.0157	92	270	229	194	70	—	—	855
	0.0062	75	189	177	169	73	—	—	327
Smallmouth bass	0.0057	47	57	96	56	54	—	—	309
	0.0038	50	67	154	61	83	—	—	203
Yellow Perch	0.2258	—	475	668	2,283	4,392	4,036	437	12,292
	0.0641	—	352	648	1,274	2,133	1,962	464	3,283
Rock bass	0.0074	184	70	—	—	149	—	—	402
	0.0076	264	101	—	—	298	—	—	411
Rainbow trout	0.0123	6	8	203	264	188	—	—	669
	0.0056	12	15	158	167	192	—	—	300
Gar	0.0001	—	—	—	4	—	—	—	4
	0.0001	—	—	—	8	—	—	—	8
TOTAL HARVEST	0.3554	635	2,132	2,359	4,068	5,670	4,049	437	19,350
	0.0725	327	604	872	1,396	2,205	1,962	464	3,480
RELEASED									
Walleye	0.0416	20	404	406	899	498	21	17	2,264
	0.0131	26	203	284	490	315	31	26	681
Northern pike	0.0549	728	904	513	203	423	184	35	2,990
	0.0143	353	445	325	131	254	109	63	725
Largemouth bass	0.0007	—	—	37	—	—	3	—	41
	0.0014	—	—	75	—	—	7	—	75
Smallmouth bass	0.1043	1,436	2,554	335	294	495	456	107	5,677
	0.0252	776	832	215	248	317	251	135	1,258
Yellow Perch	0.4494	7	278	1,791	3,849	7,337	9,746	1,458	24,466
	0.1347	14	217	1,561	2,913	3,385	4,723	1,882	6,948
Rock bass	0.0017	55	20	—	17	—	—	—	92
	0.0014	64	30	—	33	—	—	—	78
Rainbow trout	0.0023	4	—	30	57	10	23	—	123
	0.0021	8	—	59	85	20	45	—	115
Common white sucker	0.0019	80	23	—	—	—	—	—	103
	0.0018	87	46	—	—	—	—	—	98
Brown bullhead	0.0006	—	—	—	30	—	—	—	30
	0.0008	—	—	—	45	—	—	—	45
White bass	0.0001	—	—	—	—	—	3	4	7
	0.0002	—	—	—	—	—	6	8	10
TOTAL RELEASED	0.6575	2,330	4,182	3,112	5,349	8,764	10,436	1,620	35,793
	0.1454	860	990	1,636	2,969	3,424	4,731	1,888	7,133
TOTAL CATCH	1.0129	2,964	6,314	5,471	9,417	14,434	14,485	2,057	55,143
	0.1752	920	1,160	1,854	3,281	4,073	5,122	1,944	7,937
ANGLER HOURS		5,435	13,893	11,133	10,427	9,552	3,572	427	54,439
		1,347	2,730	2,714	2,189	2,083	1,197	300	5,224
ANGLER TRIPS		784	3,449	3,332	2,890	2,801	715	93	14,065
		294	1,077	984	751	890	263	72	1,909