

## Open Water Creel Survey Report for Hamlin Lake, Mason County, 2019

<b>Waterbody</b>	Hamlin Lake
<b>Year</b>	2019
<b>County</b>	Mason County
<b>Sites</b>	hamlinlake
<b>Survey period</b>	April 6 to September 30
<b>Survey design</b>	Roving (instantaneous)-access
<b>Count methods/modes</b>	Roving (instantaneous)/boat and shore
<b>Clerk time</b>	full time (10-hour shifts)
<b>Survey purpose</b>	Characterize general effort and catch aspects of the fishery

### Notes

This 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 weekdays and two weekend days were randomly selected for sampling during each week of the survey season. 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 boat and shore anglers were made once per day. Survey period for both counts and interviews was April 6 to September 30. Months were estimated separately. Estimates are available for boat and shore. "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 Hamlin Lake creel survey from April 6 to September 30, 2019.

<b>Year</b>	<b>Month</b>	<b>Hours</b>
2019	April	14
2019	May	15
2019	June	16
2019	July	17
2019	August	17
2019	September	15
2019	October	14

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

Species	C/H	April	May	June	July	August	September	Season
HARVEST								
Walleye	0.0212	—	18	216	449	416	—	1,099
	0.0178	—	21	271	702	505	—	906
Northern Pike	0.0013	9	3	13	18	27	—	70
	0.0014	14	7	25	36	54	—	71
Largemouth Bass	0.0162	—	133	519	81	60	48	841
	0.0110	—	130	508	105	108	96	554
Smallmouth Bass	0.0010	—	—	—	—	52	—	52
	0.0014	—	—	—	—	74	—	74
Yellow Perch	0.0249	55	333	330	222	54	294	1,287
	0.0173	85	397	540	328	107	430	872
Bluegill	0.2328	111	2,551	4,065	3,049	1,169	1,105	12,051
	0.1410	170	4,052	2,204	5,087	1,262	921	7,045
Pumpkinseed	0.0446	—	425	1,565	97	—	223	2,309
	0.0290	—	466	1,339	117	—	305	1,455
Rock Bass	0.0217	—	298	625	111	—	90	1,124
	0.0120	—	357	429	164	—	135	597
Black Crappie	0.0797	—	1,240	1,112	1,565	163	45	4,125
	0.0640	—	1,014	965	2,923	190	53	3,247
Channel Catfish	0.0012	—	—	—	14	19	28	61
	0.0012	—	—	—	28	39	40	62
Freshwater Drum	0.0011	—	—	35	—	24	—	59
	0.0014	—	—	53	—	48	—	72
TOTAL HARVEST	0.4457	175	5,000	8,480	5,606	1,983	1,833	23,078
	0.1705	190	4,239	2,897	5,923	1,385	1,076	8,034
RELEASED								
Walleye	0.0191	—	—	—	433	411	144	989
	0.0165	—	—	—	689	438	205	842
Northern Pike	0.0640	96	592	774	680	405	764	3,311
	0.0218	139	443	517	489	311	418	997
Largemouth Bass	0.3350	230	5,378	2,184	5,107	2,447	1,994	17,342
	0.1374	322	5,397	1,123	3,056	1,313	1,213	6,559
Smallmouth Bass	0.0386	27	37	242	350	1,221	120	1,997
	0.0431	38	74	240	337	2,166	120	2,210
Yellow Perch	0.3223	18	2,086	10,113	1,178	810	2,481	16,686
	0.1740	31	1,740	8,089	1,005	762	2,021	8,610
Bluegill	0.1772	—	2,640	2,918	1,874	878	863	9,173
	0.1046	—	4,046	1,713	2,586	712	845	5,217
Pumpkinseed	0.0314	—	818	577	48	154	30	1,626
	0.0229	—	908	679	70	223	43	1,158
Rock Bass	0.1503	—	951	4,296	1,400	880	254	7,781
	0.0624	—	735	2,321	1,623	554	184	2,983
Black Crappie	0.0379	5	523	154	1,207	71	—	1,961
	0.0299	9	518	171	1,409	143	—	1,518
C White Sucker	0.0008	—	—	40	—	—	—	40
	0.0015	—	—	80	—	—	—	80
Channel Catfish	0.0028	—	—	—	—	146	—	146
	0.0042	—	—	—	—	214	—	214
Muskellunge	0.0003	—	—	—	—	—	15	15
	0.0006	—	—	—	—	—	31	31
Bowfin	0.0017	—	—	22	—	64	—	86
	0.0024	—	—	44	—	115	—	123
Freshwater Drum	0.1659	—	43	896	5,457	1,437	757	8,591
	0.1339	—	78	738	6,661	769	832	6,797
TOTAL RELEASED	1.3471	376	13,068	22,217	17,734	8,923	7,423	69,742
	0.3520	355	7,097	8,740	8,176	2,970	2,688	14,484
TOTAL CATCH	1.7928	552	18,068	30,698	23,340	10,907	9,256	92,820
	0.4280	402	8,267	9,207	10,096	3,277	2,896	16,563
ANGLER HOURS		331	7,014	14,062	14,253	11,696	4,419	51,774
		NAN	3,671	5,198	3,904	2,562	1,835	8,211
ANGLER TRIPS		105	1,562	4,146	3,938	2,317	1,068	13,135
		NAN	1,018	1,777	1,894	607	476	2,924

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

Species	C/H	April	May	June	July	August	September	Season
HARVEST								
Largemouth Bass	0.0094	—	—	62	—	—	—	62
	0.0378	—	—	NAN	—	—	—	248
Yellow Perch	0.0257	51	118	—	—	—	—	169
	0.0293	102	159	—	—	—	—	189
Bluegill	0.6212	3,482	500	—	—	—	100	4,082
	0.4266	2,595	585	—	—	—	148	2,664
Pumpkinseed	0.1289	718	129	—	—	—	—	847
	0.0968	585	172	—	—	—	—	610
Rock Bass	0.0184	—	121	—	—	—	—	121
	0.0232	—	150	—	—	—	—	150
Black Crappie	0.0327	169	46	—	—	—	—	215
	0.0387	241	68	—	—	—	—	250
Brown Bullhead	0.1932	—	125	1,145	—	—	—	1,269
	0.6985	—	190	NAN	—	—	—	4,582
TOTAL HARVEST	1.0295	4,420	1,038	1,207	—	—	100	6,765
	0.8743	2,673	678	NAN	—	—	148	5,561
RELEASED								
Northern Pike	0.0182	—	119	—	—	—	—	119
	0.0366	—	239	—	—	—	—	239
Largemouth Bass	0.0205	—	135	—	—	—	—	135
	0.0221	—	143	—	—	—	—	143
Yellow Perch	0.0951	102	494	—	—	—	29	625
	0.0910	148	561	—	—	—	61	583
Bluegill	2.1007	11,195	2,139	—	—	—	471	13,805
	1.2683	7,452	2,200	—	—	—	628	7,796
Pumpkinseed	0.3048	1,368	635	—	—	—	—	2,003
	0.2338	1,363	566	—	—	—	—	1,476
Rock Bass	0.1103	448	277	—	—	—	—	725
	0.0899	512	251	—	—	—	—	570
Black Crappie	0.0018	12	—	—	—	—	—	12
	0.0038	25	—	—	—	—	—	25
Bowfin	0.0043	—	29	—	—	—	—	29
	0.0087	—	57	—	—	—	—	57
Spot Tail Shiner	0.0311	205	—	—	—	—	—	205
	0.0626	409	—	—	—	—	—	409
TOTAL RELEASED	2.6870	13,330	3,828	—	—	—	500	17,658
	1.3446	7,605	2,371	—	—	—	631	7,991
TOTAL CATCH	3.7165	17,750	4,866	1,207	—	—	600	24,423
	1.6807	8,061	2,466	NAN	—	—	649	9,736
ANGLER HOURS		901	1,551	1,260	1,798	676	386	6,572
		418	876	678	613	357	254	1,403
ANGLER TRIPS		508	854	699	980	381	218	3,639
		268	498	398	368	220	158	829

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

Species	C/H	April	May	June	July	August	September	Season
HARVEST								
Walleye	0.0188	—	18	216	449	416	—	1,099
	0.0158	—	21	271	702	505	—	906
Northern Pike	0.0012	9	3	13	18	27	—	70
	0.0012	14	7	25	36	54	—	71
Largemouth Bass	0.0155	—	133	581	81	60	48	903
	0.0401	—	130	NAN	105	108	96	2,334
Smallmouth Bass	0.0009	—	—	—	—	52	—	52
	0.0013	—	—	—	—	74	—	74
Yellow Perch	0.0250	107	451	330	222	54	294	1,456
	0.0158	133	428	540	328	107	430	892
Bluegill	0.2765	3,593	3,051	4,065	3,049	1,169	1,205	16,133
	0.1368	2,601	4,094	2,204	5,087	1,262	933	7,532
Pumpkinseed	0.0541	718	553	1,565	97	—	223	3,157
	0.0285	585	496	1,339	117	—	305	1,577
Rock Bass	0.0213	—	418	625	111	—	90	1,245
	0.0111	—	388	429	164	—	135	616
Black Crappie	0.0744	169	1,286	1,112	1,565	163	45	4,340
	0.0571	241	1,016	965	2,923	190	53	3,257
Brown Bullhead	0.0218	—	125	1,145	—	—	—	1,269
	0.0786	—	190	NAN	—	—	—	4,582
Channel Catfish	0.0010	—	—	—	14	19	28	61
	0.0011	—	—	—	28	39	40	62
Freshwater Drum	0.0010	—	—	35	—	24	—	59
	0.0012	—	—	53	—	48	—	72
TOTAL HARVEST	0.5115	4,596	6,039	9,687	5,606	1,983	1,933	29,843
	0.6833	2,680	4,293	NAN	5,923	1,385	1,086	39,562
RELEASED								
Walleye	0.0169	—	—	—	433	411	144	989
	0.0147	—	—	—	689	438	205	842
Northern Pike	0.0588	96	711	774	680	405	764	3,431
	0.0200	139	503	517	489	311	418	1,025
Largemouth Bass	0.2995	230	5,513	2,184	5,107	2,447	1,994	17,477
	0.1227	322	5,399	1,123	3,056	1,313	1,213	6,561
Smallmouth Bass	0.0342	27	37	242	350	1,221	120	1,997
	0.0383	38	74	240	337	2,166	120	2,210
Yellow Perch	0.2967	121	2,580	10,113	1,178	810	2,509	17,311
	0.1557	152	1,828	8,089	1,005	762	2,022	8,630
Bluegill	0.3938	11,195	4,778	2,918	1,874	878	1,335	22,978
	0.1733	7,452	4,606	1,713	2,586	712	1,053	9,380
Pumpkinseed	0.0622	1,368	1,453	577	48	154	30	3,629
	0.0337	1,363	1,070	679	70	223	43	1,876
Rock Bass	0.1458	448	1,228	4,296	1,400	880	254	8,506
	0.0573	512	777	2,321	1,623	554	184	3,037
Black Crappie	0.0338	16	523	154	1,207	71	—	1,973
	0.0266	26	518	171	1,409	143	—	1,518
Common White Sucker	0.0007	—	—	40	—	—	—	40
	0.0014	—	—	80	—	—	—	80
Channel Catfish	0.0025	—	—	—	—	146	—	146
	0.0037	—	—	—	—	214	—	214
Muskellunge	0.0003	—	—	—	—	—	15	15
	0.0005	—	—	—	—	—	31	31
Bowfin	0.0020	—	29	22	—	64	—	114
	0.0024	—	57	44	—	115	—	136
Freshwater Drum	0.1472	—	43	896	5,457	1,437	757	8,591
	0.1190	—	78	738	6,661	769	832	6,797
Spot Tail Shiner	0.0035	205	—	—	—	—	—	205
	0.0070	409	—	—	—	—	—	409
TOTAL RELEASED	1.4980	13,706	16,896	22,217	17,734	8,923	7,923	87,400
	0.3753	7,614	7,482	8,740	8,176	2,970	2,762	16,542
TOTAL CATCH	2.0095	18,302	22,935	31,904	23,340	10,907	9,856	117,243
	0.8056	8,071	8,627	NAN	10,096	3,277	2,968	42,882
ANGLER HOURS		1,232	8,565	15,322	16,051	12,371	4,805	58,346
		NAN	3,774	5,242	3,952	2,587	1,853	9,578
ANGLER TRIPS		612	2,416	4,845	4,918	2,698	1,286	16,774
		NAN	1,133	1,821	1,930	646	502	3,872