

Winter Creel Survey Report for Hamlin Lake, Mason County, 2019

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|----------------------------|--|
| Waterbody | Hamlin Lake |
| Year | 2019 |
| County | Mason County |
| Sites | hamlinlake |
| Survey period | January 1 to March 23 |
| Survey design | Roving (instantaneous)-roving |
| Count methods/modes | Roving (instantaneous)/open ice and shanty |
| Clerk time | full time (10-hour shifts) |
| Survey purpose | 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 full time to collect angling survey data. Two week days 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 10-hour 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 once per day. Survey period for both counts and interviews was January 1 to March 23. 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 Hamlin Lake winter creel survey from January 1 to March 23, 2019.

| Year | Month | Daylight Hours |
|------|----------|----------------|
| 2019 | January | 12 |
| 2019 | February | 13 |
| 2019 | March | 13 |

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

| Species | C/H | January | February | March | Season |
|-----------------------|---------------|---------------|--------------|--------------|---------------|
| HARVEST | | | | | |
| Walleye | 0.0018 | – | 9 | – | 9 |
| | 0.0038 | – | 18 | – | 18 |
| Northern pike | 0.0579 | 261 | 22 | – | 283 |
| | 0.0709 | 322 | 31 | – | 324 |
| Yellow Perch | 0.0658 | 147 | 112 | 62 | 322 |
| | 0.0504 | 158 | 80 | 100 | 203 |
| Bluegill | 1.6466 | 6,157 | 1,748 | 135 | 8,040 |
| | 1.2638 | 5,021 | 840 | 209 | 5,095 |
| Pumpkinseed | 0.1893 | 42 | 802 | 80 | 924 |
| | 0.1466 | 84 | 574 | 126 | 593 |
| Rock bass | 0.0095 | – | – | 47 | 47 |
| | 0.0230 | – | – | 111 | 111 |
| Black crappie | 0.5226 | 1,053 | 1,187 | 312 | 2,552 |
| | 0.3704 | 980 | 915 | 503 | 1,432 |
| TOTAL HARVEST | 2.4935 | 7,660 | 3,880 | 636 | 12,176 |
| | 1.5369 | 5,129 | 1,371 | 578 | 5,340 |
| RELEASED | | | | | |
| Northern pike | 0.1996 | 890 | 85 | – | 975 |
| | 0.1967 | 860 | 67 | – | 863 |
| Largemouth bass | 0.0331 | 136 | 26 | – | 162 |
| | 0.0360 | 157 | 36 | – | 161 |
| Smallmouth bass | 0.0086 | 42 | – | – | 42 |
| | 0.0170 | 81 | – | – | 81 |
| Yellow Perch | 1.5232 | 3,581 | 3,169 | 688 | 7,438 |
| | 1.2190 | 3,756 | 1,840 | NAN | 5,006 |
| Bluegill | 1.2741 | 4,308 | 1,811 | 102 | 6,221 |
| | 0.9614 | 3,715 | 974 | 168 | 3,845 |
| Pumpkinseed | 0.0438 | – | 214 | – | 214 |
| | 0.0572 | – | 263 | – | 263 |
| Rock bass | 0.0318 | – | – | 155 | 155 |
| | 0.0767 | – | – | 368 | 368 |
| Black crappie | 0.1771 | 190 | 550 | 125 | 865 |
| | 0.1396 | 291 | 435 | 223 | 569 |
| Spottail shiner | 0.0074 | – | – | 36 | 36 |
| | 0.0143 | – | – | 68 | 68 |
| TOTAL RELEASED | 3.2988 | 9,147 | 5,855 | 1,106 | 16,108 |
| | 2.0641 | 5,364 | 2,144 | NAN | 7,275 |
| TOTAL CATCH | 5.7922 | 16,807 | 9,734 | 1,742 | 28,284 |
| | 3.1156 | 7,421 | 2,545 | NAN | 9,025 |
| ANGLER HOURS | | 2,823 | 1,628 | 432 | 4,883 |
| | | 2,012 | 428 | 491 | 2,115 |
| ANGLER TRIPS | | 747 | 514 | 101 | 1,362 |
| | | 560 | 187 | 131 | 604 |

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

| Species | C/H | January | February | March | Season |
|-----------------------|---------------|---------------|--------------|--------------|---------------|
| HARVEST | | | | | |
| Walleye | 0.0036 | – | 32 | 12 | 44 |
| | 0.0044 | – | 42 | 18 | 46 |
| Northern pike | 0.0289 | 177 | 152 | 20 | 348 |
| | 0.0281 | 220 | 137 | 28 | 261 |
| Yellow Perch | 0.0688 | 357 | 427 | 45 | 829 |
| | 0.0588 | 365 | 314 | 58 | 486 |
| Bluegill | 0.9105 | 9,834 | 1,094 | 39 | 10,967 |
| | 0.9023 | 8,383 | 1,126 | 55 | 8,459 |
| Pumpkinseed | 0.1727 | 1,577 | 469 | 34 | 2,080 |
| | 0.2782 | 3,050 | 500 | 67 | 3,091 |
| Black crappie | 0.3410 | 2,629 | 981 | 496 | 4,107 |
| | 0.3047 | 2,441 | 856 | 503 | 2,635 |
| Muskellunge | 0.0007 | – | 9 | – | 9 |
| | 0.0015 | – | 17 | – | 17 |
| TOTAL HARVEST | 1.5262 | 14,575 | 3,162 | 645 | 18,382 |
| | 1.2291 | 9,259 | 1,539 | 515 | 9,400 |
| RELEASED | | | | | |
| Walleye | 0.0036 | – | 38 | 6 | 43 |
| | 0.0048 | – | 51 | 11 | 52 |
| Northern pike | 0.0585 | 525 | 165 | 15 | 705 |
| | 0.0519 | 433 | 104 | 20 | 446 |
| Largemouth bass | 0.0316 | 297 | 84 | – | 381 |
| | 0.0429 | 452 | 75 | – | 459 |
| Yellow Perch | 0.8565 | 4,886 | 3,809 | 1,620 | 10,315 |
| | 0.6615 | 3,873 | 2,243 | 1,502 | 4,721 |
| Bluegill | 0.8975 | 9,407 | 1,378 | 25 | 10,810 |
| | 1.1332 | 11,781 | 1,500 | 50 | 11,877 |
| Pumpkinseed | 0.0327 | 373 | 21 | – | 394 |
| | 0.0662 | 758 | 28 | – | 758 |
| Rock bass | 0.0100 | 9 | 98 | 13 | 120 |
| | 0.0147 | 18 | 157 | 27 | 161 |
| Black crappie | 0.1031 | 119 | 930 | 194 | 1,242 |
| | 0.1087 | 196 | 1,016 | 218 | 1,057 |
| Muskellunge | 0.0007 | – | 9 | – | 9 |
| | 0.0015 | – | 17 | – | 17 |
| Spottail shiner | 0.0718 | 64 | 138 | 662 | 864 |
| | 0.0856 | 100 | 146 | 862 | 880 |
| TOTAL RELEASED | 2.0660 | 15,679 | 6,670 | 2,535 | 24,884 |
| | 1.6728 | 12,442 | 2,895 | 1,747 | 12,894 |
| TOTAL CATCH | 3.5922 | 30,254 | 9,832 | 3,180 | 43,266 |
| | 2.5980 | 15,509 | 3,279 | 1,821 | 15,956 |
| ANGLER HOURS | | 6,343 | 4,072 | 1,629 | 12,044 |
| | | 3,516 | 1,149 | NAN | 7,493 |
| ANGLER TRIPS | | 1,292 | 936 | 419 | 2,647 |
| | | 742 | 295 | NAN | 1,857 |

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

| Species | C/H | January | February | March | Season |
|-----------------------|---------------|---------------|---------------|--------------|---------------|
| HARVEST | | | | | |
| Walleye | 0.0031 | – | 41 | 12 | 53 |
| | 0.0034 | – | 46 | 18 | 49 |
| Northern pike | 0.0373 | 437 | 174 | 20 | 631 |
| | 0.0319 | 390 | 141 | 28 | 416 |
| Yellow Perch | 0.0679 | 504 | 539 | 107 | 1,150 |
| | 0.0485 | 398 | 324 | 116 | 526 |
| Bluegill | 1.1228 | 15,992 | 2,841 | 174 | 19,007 |
| | 0.8474 | 9,772 | 1,405 | 216 | 9,875 |
| Pumpkinseed | 0.1774 | 1,619 | 1,270 | 114 | 3,004 |
| | 0.2098 | 3,051 | 761 | 143 | 3,148 |
| Rock bass | 0.0027 | – | – | 47 | 47 |
| | 0.0067 | – | – | 111 | 111 |
| Black crappie | 0.3934 | 3,682 | 2,168 | 809 | 6,658 |
| | 0.2788 | 2,630 | 1,253 | 711 | 2,999 |
| Muskellunge | 0.0005 | – | 9 | – | 9 |
| | 0.0011 | – | 17 | – | 17 |
| TOTAL HARVEST | 1.8052 | 22,235 | 7,042 | 1,281 | 30,558 |
| | 1.1766 | 10,584 | 2,062 | 774 | 10,811 |
| RELEASED | | | | | |
| Walleye | 0.0025 | – | 38 | 6 | 43 |
| | 0.0034 | – | 51 | 11 | 52 |
| Northern pike | 0.0992 | 1,415 | 250 | 15 | 1,680 |
| | 0.0790 | 963 | 124 | 20 | 971 |
| Largemouth bass | 0.0321 | 433 | 110 | – | 543 |
| | 0.0337 | 479 | 84 | – | 486 |
| Smallmouth bass | 0.0025 | 42 | – | – | 42 |
| | 0.0050 | 81 | – | – | 81 |
| Yellow Perch | 1.0488 | 8,467 | 6,979 | 2,308 | 17,753 |
| | 0.8706 | 5,395 | 2,901 | NAN | 11,078 |
| Bluegill | 1.0061 | 13,715 | 3,189 | 127 | 17,031 |
| | 0.9204 | 12,353 | 1,789 | 175 | 12,483 |
| Pumpkinseed | 0.0359 | 373 | 235 | – | 608 |
| | 0.0513 | 758 | 265 | – | 803 |
| Rock bass | 0.0163 | 9 | 98 | 169 | 275 |
| | 0.0254 | 18 | 157 | 369 | 402 |
| Black crappie | 0.1245 | 308 | 1,480 | 319 | 2,107 |
| | 0.0983 | 351 | 1,105 | 312 | 1,201 |
| Muskellunge | 0.0005 | – | 9 | – | 9 |
| | 0.0011 | – | 17 | – | 17 |
| Spottail shiner | 0.0532 | 64 | 138 | 698 | 901 |
| | 0.0597 | 100 | 146 | 865 | 883 |
| TOTAL RELEASED | 2.4216 | 24,827 | 12,524 | 3,641 | 40,992 |
| | 1.7842 | 13,549 | 3,602 | NAN | 20,215 |
| TOTAL CATCH | 4.2269 | 47,061 | 19,566 | 4,922 | 71,549 |
| | 2.6810 | 17,193 | 4,151 | NAN | 22,924 |
| ANGLER HOURS | | 9,167 | 5,700 | 2,061 | 16,927 |
| | | 4,051 | 1,227 | NAN | 9,266 |
| ANGLER TRIPS | | 2,039 | 1,450 | 520 | 4,009 |
| | | 929 | 350 | NAN | 2,304 |