

WISCONSIN DEPARTMENT OF NATURAL RESOURCES

Wisconsin's 2024 Open Water Sportfishing Effort And Harvest From Lake Michigan And Green Bay

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WRITTEN BY

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OVERVIEW

The Lake Michigan Creel Survey program began in 1969 to determine the effort and harvest of the new salmon and trout program and was completed again in 2024, marking the 54th year of the survey. In most years, the survey is conducted from March 15 to October 31 but in 2024 it was reduced due to budget constraints. On Lake Michigan and the east shore of Green Bay, DNR creel clerks began the survey on May 1, and conducted the survey through September 30. On the west shore of Green Bay, creel clerks started March 15 and conducted the survey through October 31. In addition, Lake Michigan tributaries were not included in the survey.

For locations and months where the creel survey was not conducted in 2024, a statistical model was used to estimate total angling effort, harvest, and catch for trout, salmon, lake whitefish, yellow perch, smallmouth bass, northern pike, and walleye for the spring (March and April) time period in all fishery types (ramp, pier, shore, and stream). Stream fishery effort, catch, and harvest was also estimated for fall months (September and October). However, September and October are combined in the statistical analysis program and because of this stratification, the month of October was not included in modeled estimates for the ramp, pier and shore fisheries.

Fishing effort, harvest and harvest rates were determined from 1) a stratified-random creel survey of launched-boat, pier, shore and stream anglers; 2) a randomized mail survey of moored-boat anglers; and 3) mandatory charter-boat reporting. For a detailed description of methods, see Eggold, 1995.

RESULTS

Anglers spent an estimated 2,281,228 hours fishing on Lake Michigan and Green Bay during 2024, with boat-angler effort at 1,905,898 hours or 84% of the total hours. The estimated angler hours for the pier fishery were 70,460 hours, 55,290 angler hours for the shore fishery and 249,580 hours for the stream fishery. The 2024 fishing effort was 7% below the ten-year average.

The estimated harvest of 743,492 fish was dominated by coho salmon (210,891) and yellow perch (195,856) followed by Chinook salmon (163,923). The combined Chinook and coho salmon harvest was 50% of the total estimated harvest, while the combined yellow perch and walleye (67,715) harvest made up 35% of the total estimated harvest.

The boat fishery, comprised of launched-boat, moored-boat and charter-boat anglers, dominated the fishery by harvesting an estimated 688,195 fish or 93% of the total harvest and was led by coho salmon (205,558), followed by yellow perch (176,579). Pier anglers harvested 8,223 fish, primarily white perch (2,335), followed by yellow perch (1,829) and coho salmon (1,459). Stream anglers harvested 38,470 fish, dominated by yellow perch (11,432) and walleye (8,384). Shore anglers harvested 8,604 fish, which were primarily yellow perch (6,016).

Overall harvest rates were highest for coho salmon at 0.0924 fish/hour, followed closely by yellow perch (0.0859 fish/hour) and Chinook salmon (0.0719). Total harvest rate for all trout and salmon species combined was 0.2044 fish/hour, which was almost 70% higher than the ten-year average rate.

The 2024 Chinook harvest of 163,923 fish was the highest Chinook harvest on record since 2012 and approximately 52% above the ten-year average. Chinook harvest has increased in Wisconsin waters of Lake Michigan every year since 2019.

Coho harvest in 2024 was estimated at 210,891 fish. This is the highest harvest on record since the creel survey program began in 1969, and was approximately 127% above the ten-year average harvest. Coho were found in large numbers from Kenosha County north to Sheboygan County.

The 2024 rainbow trout harvest of 67,566 fish increased from 2023 and was approximately 18% above the ten-year average. Brown trout harvest in 2024 was 9,183 fish. Although brown trout harvest remained 25% below the ten-year average, harvest increased from 2023. A total of 14,636 lake trout were harvested in 2024, which was 47% below the ten-year average. Wisconsin anglers tend to target lake trout less when coho and Chinook salmon fishing is good, and therefore the decrease in lake trout harvest can most likely be attributed to the high salmon harvest.

The 2024 harvest of yellow perch in Green Bay was 192,061 fish, an increase from 2023 and 29% above the ten-year average harvest. The Lake Michigan yellow perch harvest in 2024 was 3,795, an increase from 2023 but 25% below the ten-year average. Yellow perch harvest in Lake Michigan remains on an overall downward trend observed since 1993.

In addition to the high harvest, Lake Michigan trout and salmon appeared to be good body condition. In 2024, the standard weight of a 30-inch Chinook was 10.7 pounds, which was approximately 5% above the ten-year average. The standard weight of a 23-inch coho was 3.8 pounds, which was approximately 3% below the ten-year average. There was not much change from 2023, when the standard weight of a 23-inch coho was 3.4 pounds. The standard weight of a 25-inch rainbow trout was 4.1 pounds, which was about the same as the ten-year average. The standard weight of a 27-inch lake trout was 6.6 pounds, a slight increase from 2023 and approximately 11% above the ten-year average.

REFERENCES

Eggold, B.T. 1995. Wisconsin's 1995 open water sportfishing effort and catch from Lake Michigan and Green Bay. Wisconsin Department of Natural Resources, Plymouth, Wisconsin. 18 pages.

Table 1. Estimated angler effort (hours) by location in Wisconsin waters of Lake Michigan and Green Bay during March through December of 2015 through 2024*. Standard deviations are in italics.

Location	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Average
Kenosha Co.	101,058 <i>4,990</i>	108,874 <i>5,432</i>	90,700 <i>3,810</i>	92,655 <i>4,185</i>	99,315 <i>4,417</i>	91,284 <i>4,797</i>	113,635 <i>7,514</i>	87,191 <i>4,069</i>	90,693 <i>4,210</i>	77,122 <i>5,278</i>	95,253 <i>4,975</i>
Racine Co.	102,948 <i>9,243</i>	106,901 <i>7,928</i>	95,490 <i>6,787</i>	110,575 <i>11,954</i>	98,387 <i>6,374</i>	78,832 <i>6,721</i>	93,231 <i>5,784</i>	95,394 <i>8,166</i>	88,754 <i>6,386</i>	71,279 <i>5,455</i>	94,179 <i>7,705</i>
Milwaukee Co.	267,451 <i>10,279</i>	295,517 <i>12,743</i>	267,191 <i>14,736</i>	233,031 <i>13,192</i>	180,123 <i>8,028</i>	179,950 <i>10,877</i>	217,505 <i>8,552</i>	194,492 <i>12,092</i>	182,456 <i>16,513</i>	219,635 <i>9,738</i>	223,735 <i>11,953</i>
Ozaukee Co.	172,896 <i>8,481</i>	215,153 <i>13,880</i>	179,360 <i>13,185</i>	167,683 <i>10,435</i>	156,411 <i>10,337</i>	160,473 <i>8,465</i>	175,610 <i>9,436</i>	194,123 <i>14,724</i>	141,007 <i>9,100</i>	165,557 <i>14,893</i>	172,827 <i>11,560</i>
Sheboygan Co.	216,378 <i>11,974</i>	210,632 <i>11,803</i>	179,246 <i>9,027</i>	163,946 <i>9,813</i>	176,289 <i>16,500</i>	148,393 <i>9,720</i>	175,574 <i>10,928</i>	213,660 <i>12,679</i>	153,181 <i>10,139</i>	197,849 <i>14,693</i>	183,515 <i>11,942</i>
Manitowoc Co.	168,961 <i>8,303</i>	183,440 <i>10,233</i>	139,241 <i>7,010</i>	141,366 <i>8,009</i>	132,408 <i>6,735</i>	141,855 <i>12,574</i>	157,011 <i>9,201</i>	162,635 <i>9,750</i>	160,820 <i>9,796</i>	155,537 <i>7,821</i>	154,327 <i>9,095</i>
Kewaunee Co.	367,149 <i>15,581</i>	288,935 <i>13,131</i>	318,589 <i>13,337</i>	327,150 <i>13,794</i>	222,088 <i>9,598</i>	236,238 <i>11,413</i>	255,212 <i>11,511</i>	248,542 <i>13,922</i>	290,840 <i>18,614</i>	277,007 <i>17,768</i>	283,175 <i>14,122</i>
E. Door Co.	218,354 <i>19,796</i>	204,769 <i>10,839</i>	193,014 <i>9,108</i>	187,941 <i>10,802</i>	181,342 <i>12,741</i>	127,333 <i>10,704</i>	200,707 <i>11,516</i>	161,460 <i>11,385</i>	153,592 <i>8,969</i>	189,451 <i>13,583</i>	181,796 <i>12,301</i>
Green Bay	1,127,400 <i>36,334</i>	1,016,928 <i>35,232</i>	1,087,056 <i>40,209</i>	1,032,530 <i>34,218</i>	1,115,720 <i>38,818</i>	799,727 <i>30,260</i>	1,345,874 <i>43,556</i>	1,131,789 <i>41,711</i>	1,223,932 <i>41,376</i>	927,791 <i>41,085</i>	1,080,875 <i>38,482</i>
Total Effort	2,742,595 <i>49,548</i>	2,631,149 <i>47,145</i>	2,549,887 <i>49,597</i>	2,456,877 <i>45,624</i>	2,362,083 <i>48,065</i>	1,964,085 <i>40,880</i>	2,734,359 <i>51,171</i>	2,489,286 <i>52,586</i>	2,485,275 <i>52,457</i>	2,281,228 <i>53,287</i>	2,469,682 <i>49,169</i>

*Note: Sport fishing estimates for 2020 are for May – December only.

Table 2. Estimated harvest and total harvest rate (number per hour, all anglers combined) of salmonids in Wisconsin waters of Lake Michigan and Green Bay during March through December of 2015 through 2024*. Standard deviations are in italics.

Species	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Average
Coho Salmon	41,067 <i>4,339</i>	125,748 <i>5,572</i>	119,788 <i>7,135</i>	85,459 <i>5,176</i>	32,197 <i>2,003</i>	40,349 <i>2,585</i>	80,009 <i>4,716</i>	104,692 <i>6,842</i>	87,792 <i>11,700</i>	210,891 <i>21,337</i>	92,799 <i>8,941</i>
Chinook Salmon	114,528 <i>3,549</i>	138,110 <i>4,725</i>	84,163 <i>3,132</i>	84,228 <i>3,262</i>	63,043 <i>4,012</i>	80,890 <i>3,782</i>	100,323 <i>3,552</i>	120,148 <i>4,701</i>	130,811 <i>5,486</i>	163,923 <i>6,120</i>	108,017 <i>4,336</i>
Rainbow Trout	59,127 <i>1,714</i>	77,004 <i>2,962</i>	66,599 <i>2,661</i>	57,141 <i>2,011</i>	50,258 <i>3,105</i>	54,430 <i>1,996</i>	58,597 <i>2,814</i>	35,304 <i>1,644</i>	47,322 <i>3,245</i>	67,566 <i>2,778</i>	57,335 <i>2,556</i>
Brown Trout	20,335 <i>1,894</i>	23,885 <i>2,632</i>	20,404 <i>1,715</i>	12,625 <i>1,116</i>	8,013 <i>969</i>	3,317 <i>519</i>	9,178 <i>1,742</i>	9,013 <i>1,276</i>	6,963 <i>1,548</i>	9,183 <i>1,095</i>	12,292 <i>1,555</i>
Brook Trout	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	8 <i>0</i>	60 <i>23</i>	0 <i>0</i>	7 <i>7</i>
Lake Trout	35,778 <i>1,482</i>	19,046 <i>865</i>	20,345 <i>1,115</i>	26,747 <i>1,236</i>	34,197 <i>2,438</i>	38,271 <i>1,645</i>	40,145 <i>1,859</i>	23,067 <i>1,216</i>	25,580 <i>1,346</i>	14,636 <i>1,472</i>	27,781 <i>1,526</i>
Total Harvest	270,835 <i>6,285</i>	383,793 <i>8,356</i>	311,299 <i>8,484</i>	266,200 <i>6,652</i>	187,708 <i>6,052</i>	217,257 <i>5,286</i>	288,252 <i>7,019</i>	292,232 <i>8,644</i>	298,528 <i>13,481</i>	466,199 <i>22,446</i>	298,230 <i>8,133</i>
Harvest-Rate	0.0988	0.1459	0.1221	0.1083	0.0795	0.1106	0.1054	0.1174	0.1201	0.2044	0.1208

*Note: Sport fishing estimates for 2020 are for May – December only.

Table 3. Estimated harvest and total harvest rate (number per hour, all anglers combined) of yellow perch in Wisconsin waters of Lake Michigan and Green Bay during March through December of 2015 through 2024*. Standard deviations are in italics.

Location	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Average
Green Bay	98,263 <i>10,029</i>	76,281 <i>9,289</i>	117,412 <i>12,404</i>	115,896 <i>11,044</i>	84,200 <i>15,389</i>	253,278 <i>21,751</i>	258,025 <i>19,871</i>	151,037 <i>13,538</i>	97,641 <i>10,118</i>	192,061 <i>19,666</i>	149,051 <i>14,966</i>
Harvest-Rate	0.0872	0.0750	0.1080	0.1122	0.0755	0.3167	0.1917	0.1334	0.0798	0.2070	0.1481
Lake Michigan	5,257 <i>1,000</i>	2,089 <i>586</i>	2,481 <i>537</i>	4,026 <i>787</i>	3,600 <i>882</i>	2,013 <i>674</i>	3,676 <i>1,232</i>	5,843 <i>2,336</i>	2,353 <i>400</i>	3,795 <i>315</i>	5,033 <i>1,035</i>
Harvest-Rate	0.0033	0.0013	0.0017	0.0028	0.0029	0.0017	0.0026	0.0043	0.0019	0.0028	0.0025
Total Harvest	103,520 <i>10,079</i>	78,370 <i>9,307</i>	119,893 <i>12,416</i>	119,922 <i>11,072</i>	87,800 <i>15,414</i>	255,291 <i>21,761</i>	261,701 <i>19,909</i>	156,880 <i>13,738</i>	99,994 <i>10,125</i>	195,856 <i>19,669</i>	140,966 <i>14,198</i>
Harvest-Rate	0.0377	0.0298	0.0470	0.0488	0.0372	0.1300	0.0957	0.0630	0.0402	0.0859	0.0578

Note: Table 3 reflects that some Door County sites represent Green Bay for yellow perch harvest statistics.

*Note: Sport Fishing estimates for 2020 are for May – December only.

Table 4. Estimated harvest-rate (harvest per hour), harvest and effort for all survey areas and **ALL FISHERY TYPES** for Wisconsin waters of Lake Michigan and Green Bay during 2024. Standard deviations are in italics.

Species	Harvest per hour	March/April	May	June	July	August	Sept/Oct	Nov/Dec	Season
Coho Salmon	0.0924	7,380 <i>0</i>	117,856 <i>20,985</i>	46,093 <i>3,207</i>	20,351 <i>1,800</i>	14,228 <i>1,103</i>	4,983 <i>405</i>	0 <i>0</i>	210,891 <i>21,337</i>
Chinook Salmon	0.0719	663 <i>0</i>	5,994 <i>685</i>	26,265 <i>3,406</i>	68,929 <i>3,092</i>	42,239 <i>1,213</i>	19,829 <i>2,646</i>	4 <i>0</i>	163,923 <i>6,120</i>
Rainbow Trout	0.0296	8,465 <i>585</i>	3,745 <i>972</i>	11,849 <i>2,807</i>	24,873 <i>844</i>	12,932 <i>784</i>	5,627 <i>190</i>	75 <i>0</i>	67,566 <i>3,245</i>
Brown Trout	0.0040	6,224 <i>1,036</i>	511 <i>190</i>	255 <i>93</i>	667 <i>236</i>	683 <i>140</i>	823 <i>85</i>	20 <i>0</i>	9,183 <i>1,095</i>
Brook Trout	0.0000	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>
Lake Trout	0.0064	240 <i>0</i>	1,680 <i>1,068</i>	4,701 <i>897</i>	5,013 <i>393</i>	2,162 <i>229</i>	837 <i>122</i>	3 <i>0</i>	14,636 <i>1,472</i>
Northern Pike	0.0011	588 <i>177</i>	302 <i>134</i>	0 <i>0</i>	337 <i>224</i>	612 <i>400</i>	751 <i>214</i>	0 <i>0</i>	2,590 <i>553</i>
White Perch	0.0038	39 <i>40</i>	1,474 <i>620</i>	3,745 <i>833</i>	1,282 <i>725</i>	1,066 <i>625</i>	1,139 <i>596</i>	0 <i>0</i>	8,745 <i>1,534</i>
Smallmouth Bass	0.0010	31 <i>0</i>	240 <i>176</i>	891 <i>295</i>	150 <i>116</i>	740 <i>559</i>	335 <i>105</i>	0 <i>0</i>	2,387 <i>675</i>
Yellow Perch	0.0859	16,956 <i>10,408</i>	2,785 <i>1,039</i>	24,975 <i>5,151</i>	53,094 <i>12,415</i>	33,436 <i>5,829</i>	64,610 <i>8,689</i>	0 <i>0</i>	195,856 <i>19,989</i>
Walleye	0.0297	18,248 <i>6,746</i>	8,319 <i>1,108</i>	793 <i>315</i>	14,022 <i>3,547</i>	20,028 <i>4,894</i>	6,305 <i>1,741</i>	0 <i>202</i>	67,715 <i>9,295</i>
Total Harvest	0.3259	58,834	142,906	119,567	188,718	128,126	105,239	102	743,492
		<i>12,461</i>	<i>21,112</i>	<i>7,615</i>	<i>13,455</i>	<i>7,885</i>	<i>9,283</i>	<i>202</i>	<i>31,555</i>
Angler Hours		373,872 <i>25,004</i>	302,166 <i>23,542</i>	322,287 <i>15,368</i>	575,201 <i>29,802</i>	384,304 <i>20,373</i>	323,107 <i>10,985</i>	291 <i>0</i>	2,281,228 <i>53,287</i>

Table 5. Estimated harvest-rate (harvest per hour), harvest and effort for the **BOAT FISHERY** with all surveys combined for Wisconsin waters of Lake Michigan and Green Bay during 2024. Standard deviations are in italics.

Species	Harvest per hour	March/April	May	June	July	August	Sept/Oct	Nov/Dec	Season
Coho Salmon	0.1079	6,747 <i>0</i>	117,320 <i>20,984</i>	46,081 <i>3,207</i>	19,344 <i>1,786</i>	14,228 <i>1,103</i>	1,838 <i>403</i>	0 <i>0</i>	205,558 <i>21,335</i>
Chinook Salmon	0.0818	529 <i>0</i>	5,994 <i>1,631</i>	26,265 <i>3,011</i>	68,425 <i>4,298</i>	41,982 <i>2,322</i>	12,762 <i>1,349</i>	4 <i>0</i>	155,961 <i>6,116</i>
Rainbow Trout	0.0316	2,897 <i>55</i>	3,333 <i>677</i>	11,528 <i>1,543</i>	24,570 <i>1,856</i>	12,875 <i>856</i>	4,977 <i>832</i>	75 <i>0</i>	60,255 <i>2,777</i>
Brown Trout	0.0034	4,450 <i>1,014</i>	174 <i>82</i>	230 <i>88</i>	667 <i>236</i>	683 <i>140</i>	239 <i>59</i>	20 <i>0</i>	6,463 <i>1,059</i>
Brook Trout	0.0000	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>
Lake Trout	0.0077	234 <i>0</i>	1,680 <i>1,068</i>	4,701 <i>897</i>	5,013 <i>393</i>	2,162 <i>229</i>	834 <i>122</i>	3 <i>0</i>	14,627 <i>1,472</i>
Northern Pike	0.0012	370 <i>173</i>	302 <i>134</i>	0 <i>0</i>	326 <i>224</i>	612 <i>400</i>	598 <i>202</i>	0 <i>0</i>	2,208 <i>547</i>
White Perch	0.0028	0 <i>0</i>	1,388 <i>616</i>	1,410 <i>833</i>	698 <i>647</i>	719 <i>487</i>	1,060 <i>592</i>	0 <i>0</i>	5,275 <i>1,442</i>
Smallmouth Bass	0.0011	14 <i>0</i>	54 <i>55</i>	891 <i>295</i>	106 <i>106</i>	725 <i>559</i>	302 <i>103</i>	0 <i>0</i>	2,092 <i>651</i>
Yellow Perch	0.0926	10,196 <i>10,267</i>	2,192 <i>1,039</i>	23,341 <i>5,096</i>	52,565 <i>12,414</i>	32,658 <i>5,825</i>	55,627 <i>7,495</i>	0 <i>0</i>	176,579 <i>19,408</i>
Walleye	0.0310	10,871 <i>6,290</i>	7,197 <i>1,102</i>	793 <i>315</i>	14,022 <i>3,547</i>	20,028 <i>4,894</i>	6,266 <i>1,741</i>	0 <i>0</i>	59,177 <i>8,969</i>
Total Harvest	0.3611	36,308 <i>12,085</i>	139,634 <i>21,149</i>	115,240 <i>7,028</i>	185,736 <i>13,874</i>	126,672 <i>8,124</i>	84,503 <i>7,893</i>	102 <i>0</i>	688,195 <i>31,040</i>
Angler Hours		212,916 <i>22,602</i>	285,089 <i>23,481</i>	298,606 <i>15,223</i>	538,359 <i>29,619</i>	362,782 <i>20,308</i>	207,855 <i>10,747</i>	291 <i>0</i>	1,905,898 <i>51,954</i>

Table 6. Estimated harvest-rate (harvest per hour), harvest and effort for the **PIER FISHERY** with all survey areas combined for Wisconsin waters of Lake Michigan and Green Bay during 2024. Standard deviations are in italics.

Species	Harvest per hour	March/April	May	June	July	August	Sept/Oct	Nov/Dec	Season
Coho Salmon	0.0207	309 <i>0</i>	224 <i>102</i>	12 <i>14</i>	828 <i>208</i>	0 <i>0</i>	86 <i>47</i>	0 <i>0</i>	1,459 <i>237</i>
Chinook Salmon	0.0132	11 <i>0</i>	0 <i>0</i>	0 <i>0</i>	423 <i>160</i>	257 <i>109</i>	240 <i>76</i>	0 <i>0</i>	931 <i>208</i>
Rainbow Trout	0.0070	102 <i>0</i>	0 <i>0</i>	26 <i>17</i>	303 <i>82</i>	57 <i>26</i>	5 <i>4</i>	0 <i>0</i>	493 <i>87</i>
Brown Trout	0.0112	542 <i>0</i>	222 <i>150</i>	25 <i>31</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	789 <i>153</i>
Brook Trout	0.0000	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>
Lake Trout	0.0000	3 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	3 <i>0</i>
Northern Pike	0.0013	31 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	59 <i>48</i>	0 <i>0</i>	90 <i>48</i>
White Perch	0.0331	0 <i>0</i>	0 <i>0</i>	2,335 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	2,335 <i>0</i>
Smallmouth Bass	0.0029	0 <i>0</i>	186 <i>167</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	17 <i>20</i>	0 <i>0</i>	203 <i>169</i>
Yellow Perch	0.0260	311 <i>0</i>	0 <i>0</i>	797 <i>675</i>	10 <i>10</i>	510 <i>181</i>	201 <i>124</i>	0 <i>0</i>	1,829 <i>710</i>
Walleye	0.0013	91 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	91 <i>0</i>
Total Harvest	0.1167	1,400 <i>0</i>	632 <i>247</i>	3,195 <i>676</i>	1,564 <i>275</i>	824 <i>213</i>	608 <i>161</i>	0 <i>0</i>	8,223 <i>816</i>
Angler Hours		11,718 <i>0</i>	6,782 <i>1,171</i>	7,127 <i>1,077</i>	20,859 <i>2,386</i>	10,927 <i>1,344</i>	13,047 <i>1,372</i>	0 <i>0</i>	70,460 <i>3,452</i>

Table 7. Estimated harvest-rate (harvest per hour), harvest and effort for the **SHORE FISHERY** with all survey areas combined for Wisconsin waters of Lake Michigan and Green Bay during 2024. Standard deviations are in italics.

Species	Harvest per hour	March/April	May	June	July	August	Sept/Oct	Nov/Dec	Season
Coho Salmon	0.0137	261 <i>0</i>	312 <i>149</i>	0 <i>0</i>	179 <i>94</i>	0 <i>0</i>	4 <i>4</i>	0 <i>0</i>	756 <i>176</i>
Chinook Salmon	0.0034	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	81 <i>49</i>	0 <i>0</i>	105 <i>51</i>	0 <i>0</i>	186 <i>70</i>
Rainbow Trout	0.0100	253 <i>0</i>	0 <i>0</i>	295 <i>0</i>	0 <i>0</i>	0 <i>0</i>	4 <i>4</i>	0 <i>0</i>	552 <i>4</i>
Brown Trout	0.0144	679 <i>0</i>	115 <i>82</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	794 <i>82</i>
Brook Trout	0.0000	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>
Lake Trout	0.0001	3 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	3 <i>0</i>
Northern Pike	0.0032	98 <i>0</i>	0 <i>0</i>	0 <i>0</i>	11 <i>12</i>	0 <i>0</i>	66 <i>51</i>	0 <i>0</i>	175 <i>52</i>
White Perch	0.0000	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>
Smallmouth Bass	0.0011	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	44 <i>46</i>	15 <i>16</i>	0 <i>0</i>	0 <i>0</i>	59 <i>49</i>
Yellow Perch	0.1088	153 <i>0</i>	0 <i>0</i>	321 <i>267</i>	519 <i>166</i>	171 <i>85</i>	4,852 <i>4,313</i>	0 <i>0</i>	6,016 <i>4,325</i>
Walleye	0.0011	63 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	63 <i>0</i>
Total Harvest	0.1556	1,510 <i>0</i>	427 <i>170</i>	616 <i>267</i>	834 <i>203</i>	186 <i>86</i>	5,031 <i>4,314</i>	0 <i>0</i>	8,604 <i>4,331</i>
Angler Hours		15,383 <i>0</i>	4,003 <i>569</i>	5,859 <i>766</i>	9,500 <i>1,574</i>	7,270 <i>799</i>	13,275 <i>1,341</i>	0 <i>0</i>	55,290 <i>2,414</i>

Table 8. Estimated harvest-rate (harvest per hour), harvest and effort for the **STREAM FISHERY** with all survey areas combined for Wisconsin waters of Lake Michigan and Green Bay during 2024. Standard deviations are in italics.

Species	Harvest per hour	March/April	May	June	July	August	Sept/Oct	Nov/Dec	Season
Coho Salmon	0.0125	63 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	3,055 <i>0</i>	0 <i>0</i>	3,118 <i>0</i>
Chinook Salmon	0.0274	123 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	6,722 <i>0</i>	0 <i>0</i>	6,845 <i>0</i>
Rainbow Trout	0.0251	5,213 <i>0</i>	412 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	641 <i>0</i>	0 <i>0</i>	6,266 <i>0</i>
Brown Trout	0.0046	553 <i>212</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	584 <i>62</i>	0 <i>0</i>	1,137 <i>221</i>
Brook Trout	0.0000	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>
Lake Trout	0.0000	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	3 <i>0</i>	0 <i>0</i>	3 <i>0</i>
Northern Pike	0.0005	89 <i>40</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	28 <i>0</i>	0 <i>0</i>	117 <i>40</i>
White Perch	0.0045	39 <i>40</i>	86 <i>66</i>	0 <i>0</i>	584 <i>327</i>	347 <i>391</i>	79 <i>73</i>	0 <i>0</i>	1,135 <i>521</i>
Smallmouth Bass	0.0001	17 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	16 <i>0</i>	0 <i>0</i>	33 <i>0</i>
Yellow Perch	0.0458	6,296 <i>1,705</i>	593 <i>18</i>	516 <i>191</i>	0 <i>0</i>	97 <i>89</i>	3,930 <i>846</i>	0 <i>0</i>	11,432 <i>1,915</i>
Walleye	0.0336	7,223 <i>2,439</i>	1,122 <i>118</i>	0 <i>0</i>	0 <i>0</i>	0 <i>0</i>	39 <i>0</i>	0 <i>0</i>	8,384 <i>2,442</i>
Total Harvest	0.1541	19,616 <i>2,984</i>	2,213 <i>136</i>	516 <i>191</i>	584 <i>327</i>	444 <i>401</i>	15,097 <i>851</i>	0 <i>0</i>	38,470 <i>3,155</i>
Angler Hours		133,855 <i>10,692</i>	6,292 <i>1,086</i>	10,695 <i>1,633</i>	6,483 <i>1,644</i>	3,325 <i>458</i>	88,930 <i>1,221</i>	0 <i>0</i>	249,580 <i>11,071</i>

Table 9. Average weight, average length and standard weight of salmonids from Wisconsin's Lake Michigan creel survey during 2014 through 2024, all areas and fishery types combined. std = standard deviation.

Year	Average Weight (lbs.)	± 1 Std	Average Length (in.)	± 1 Std	Standard Weight (lbs.)
Coho Salmon					
2014	3.9803	1.9275	21.2898	3.0179	3.9316
2015	4.0000	1.8299	21.4375	3.3676	3.8470
2016	4.7300	1.9033	23.3117	2.6028	3.9260
2017	4.0892	2.1177	22.4113	2.6747	3.6520
2018	4.7184	2.5656	22.0095	3.8256	4.2930
2019	6.5305	2.8447	23.3983	3.3888	4.4539
2021	3.6335	1.6999	20.8590	2.3806	4.2560
2022	6.4098	3.0389	24.8315	3.7971	4.4371
2023	2.8773	1.5352	19.3353	2.9078	3.3743
2024	4.5212	1.7463	22.8240	2.2147	3.8817
Chinook Salmon					
2014	11.3915	5.0015	30.0012	4.8944	10.2321
2015	10.4108	4.5165	29.7477	5.4302	9.1940
2016	10.3154	6.0139	28.1910	5.9369	10.3142
2017	11.8211	6.0754	29.6128	5.8775	10.4097
2018	13.1493	7.0864	30.6361	6.6760	10.0109
2019	13.0167	8.0081	29.9058	6.2441	10.9404
2021	11.5833	7.3158	28.7720	6.9710	10.6334
2022	11.9323	6.2615	29.4304	6.5854	9.5772
2023	12.3257	5.0424	31.4328	4.9419	9.9060
2024	9.2541	6.7892	26.4294	6.5775	10.7131
Rainbow Trout					
2014	6.7767	2.8838	25.9776	3.8120	4.1739
2015	5.7588	2.4129	25.2419	4.4224	3.9037
2016	5.8938	2.5324	24.7988	3.8542	4.2855
2017	6.5706	2.7022	25.8441	4.0113	4.0464
2018	6.4566	2.9929	25.6198	4.1660	3.7403
2019	7.8170	4.6551	25.1044	4.2576	4.3547
2021	6.8752	3.3082	25.3329	3.8655	4.4091
2022	6.6421	2.8727	24.8947	3.7643	4.5692
2023	6.2648	3.1368	25.7086	4.4061	3.5942
2024	6.4899	2.7894	25.4984	3.4838	4.1480
Brown Trout					
2014	5.8459	3.3608	21.2050	4.6428	4.2392
2015	5.1532	3.1955	20.9572	4.3664	3.8568
2016	5.3826	4.0422	20.7914	5.2190	3.9606
2017	5.7685	3.2424	21.9807	3.9553	3.9659
2018	6.1024	3.8362	22.9790	4.4280	3.4505
2019	10.7946	5.2367	25.5988	3.9499	5.4836
2021	7.3147	4.6425	23.2017	5.2133	3.9345
2022	5.2743	4.0971	22.0500	4.8082	3.2207
2023	5.7174	3.8343	22.8522	4.4171	3.2599
2024	6.0500	3.3355	22.4636	3.6401	5.1591
Lake Trout					
2014	6.3332	3.4466	24.7813	4.0396	5.8595
2015	7.4777	3.7718	26.8174	4.1894	5.6124
2016	6.6598	3.4108	25.7354	3.8402	5.8303
2017	6.7796	3.3955	25.8882	3.9219	5.6707
2018	8.4836	4.4129	27.2497	4.0781	6.0765
2019	10.1448	5.9126	27.3294	4.4485	6.3484
2021	7.4925	5.9333	25.1929	4.7050	5.8878
2022	7.8774	4.3128	25.8641	4.2673	6.2779
2023	6.5764	2.6762	25.6774	2.9184	5.7983
2024	8.8734	5.3658	26.6902	4.7957	6.6115

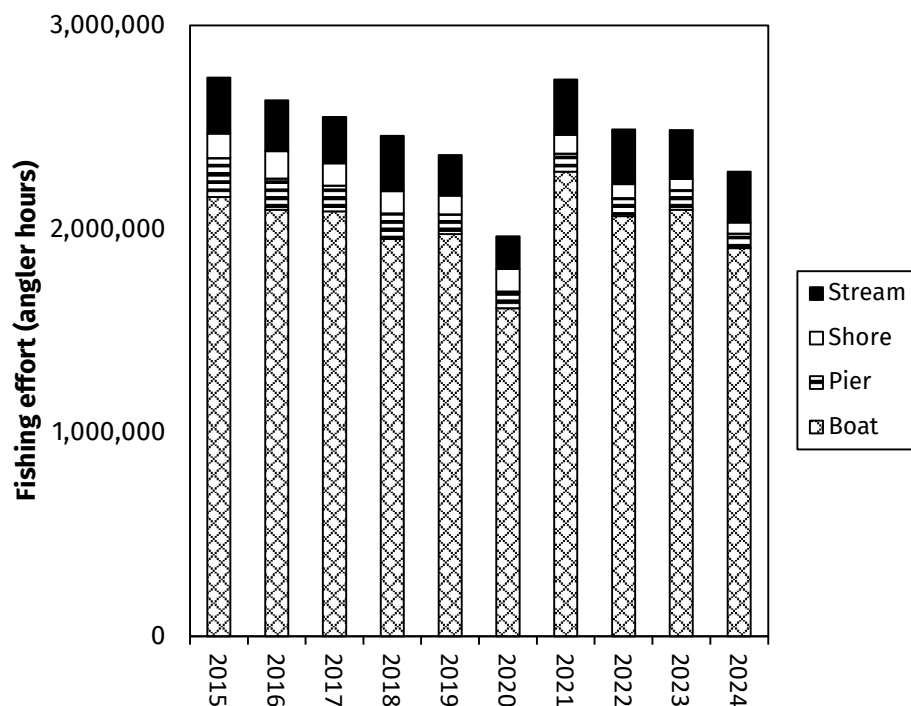


Figure 1. Fishing effort (angler hours) in Wisconsin waters of Lake Michigan and Green Bay from 2015 through 2024.
 *Note: Sport Fishing estimates for 2020 are for May – December only.

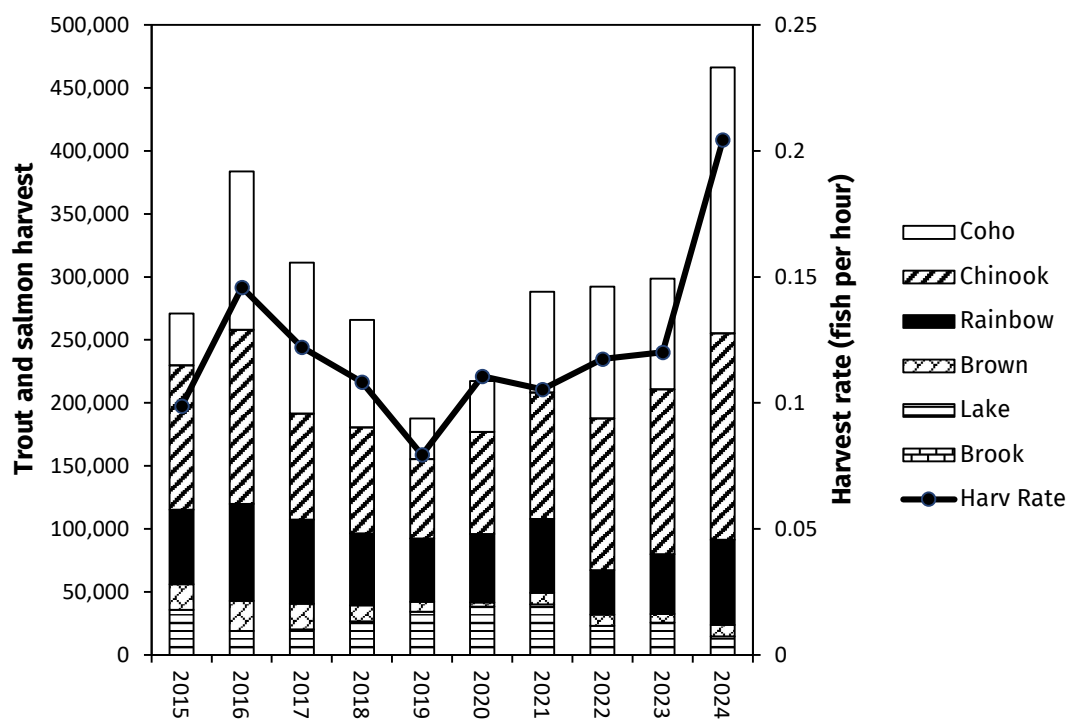


Figure 2. Trout and salmon harvest and harvest rate from Wisconsin waters of Lake Michigan and Green Bay from 2015 through 2024. *Note: Sport fishing estimates for 2020 are for May – December only.

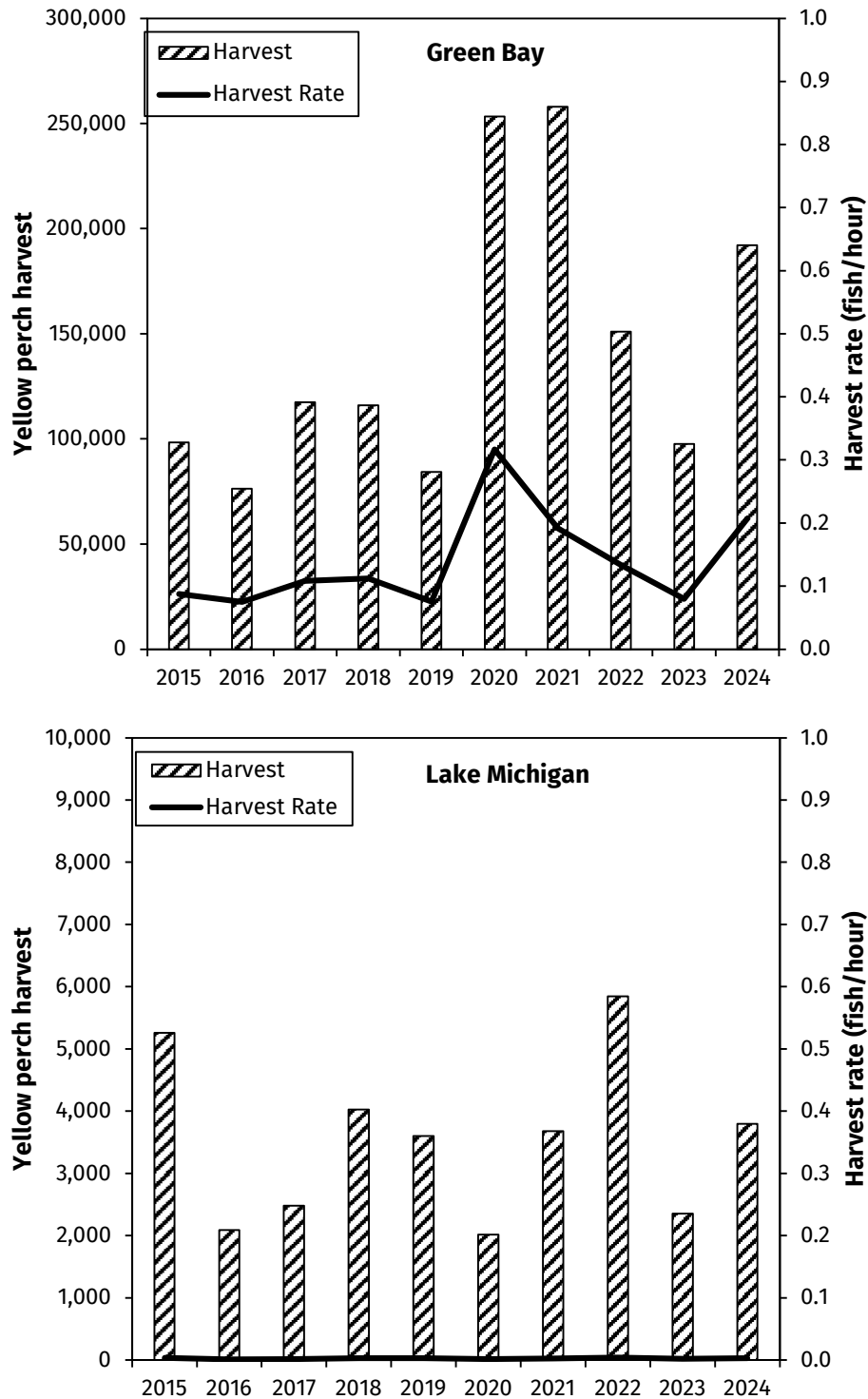


Figure 3. Yellow perch angler-harvest and harvest rate from Wisconsin waters of Green Bay and Lake Michigan from 2015 through 2024. Note the change in scale between Green Bay and Lake Michigan. This figure reflects that some Door County sites represent Green Bay for yellow perch harvest statistics. *Note: Sport fishing estimates for 2020 are for May – December only.