

**New York State Department of Environmental Conservation
Division of Fish, Wildlife and Marine Resources**

Bureau of Fisheries

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Joe Martens
Commissioner

February 10, 2015

Dear Angler,

Thank you for participating in the 2014 Hemlock and Canadice Lakes Angler Diary Programs. This information is very helpful in monitoring the fisheries of these lakes.

We have enclosed your 2014 diary and a diary for the 2015 season. Please contact our office if you need more diary books. **Some fishing trips could not be used due to missing information. Missing information included time started or time finished, creel (kept) or released, length, and number of anglers. We cannot use trips that are missing this type of information to calculate a catch rate. Please refer to the example on the first page of your book and make sure that all of that information is filled in for each trip you enter. I would also like to remind you to record “no marks” each time that you look for fin clips on a fish and do not see any. This will let us know whether you looked and didn’t see any clips or just forgot to look. Overall, the quality of the data you provide is very good and these are just a few improvements that could be made.**

In 2014, nine Hemlock Lake diary cooperators recorded 124 fishing trips (diary cooperators and party members). Anglers caught a total of 70 largemouth bass, 69 smallmouth bass, 63 lake trout, 28 rainbow trout, 3 brown trout, and 3 walleye. Anglers targeting trout averaged 6.5 hours to catch a legal trout while anglers targeting bass averaged 2.9 hours to catch a legal bass.

In 2014, seven Canadice Lake diary cooperators recorded 21 fishing trips (diary cooperators and party members). Only 7 of these trips were from anglers who were specifically targeting trout. Anglers caught a total of 27 largemouth bass, 12 smallmouth bass, and 3 lake trout.

Lake Trout

Lake trout were the most frequently caught trout species in Hemlock Lake, making up 67% of the total trout catch. Average length of kept lake trout was 23.4 inches. About 71% of lake trout reported were fin clipped, indicating that a large portion of the lake trout population in Hemlock Lake consists of stocked fish. This is similar to what we have observed during our most recent gill netting surveys. We will continue to fin clip all stocked lake trout so please continue to note any clips in your diary book. The lake trout population continues to be maintained by stocking 3,200 yearlings and 6,600 fall fingerlings annually.

Canadice Lake diary cooperators only recorded 7 trips in which trout were targeted. Unfortunately we cannot tell much about the lake trout fishery from this sample size. The 3 lake trout that were reported were relatively large, ranging from 21 to 27 inches. We currently stock 2,100 spring yearling lake trout annually in Canadice Lake.

Rainbow Trout

Twenty-eight rainbow trout were caught by Hemlock Lake diary cooperators in 2014, and 17 were harvested. The rainbow trout catch rate (average 1 every 3 angler trips) for diary cooperators targeting trout improved for the third straight year. We hope this trend continues and catch rates return closer to levels that were observed during the early 1980's. We will continue to monitor both the adult population with spring electrofishing in Springwater Creek and the juvenile population with August electrofishing in Springwater and Limekiln Creeks. The rainbow trout population is currently supported entirely by natural reproduction.

Warm water Game fish

We saw an increase in catches of largemouth and smallmouth bass on both Hemlock and Canadice Lakes in 2014. This can be largely attributed to one angler who spent a lot of time bass fishing on these lakes in 2014. Many bass in the 15 to 20 inch range are being reported. Both lakes continue to provide good bass fishing.

Three walleye were reported from Hemlock Lake. The walleye catch continues to be low on Hemlock Lake but the few that are caught tend to be large.

Thank you for providing us with very useful data. We would benefit greatly from increased cooperation, especially on Canadice Lake. If you know of anyone who would like to participate in this program just have them contact our office at any time.

Good fishing,

Pete Austerman
Aquatic Biologist

Hemlock Lake Angler Diary Summary

| Year | Total Fishing Trips | Avg. Hours Per Trip | # Hours to Catch 1 Legal Salmonid* | # of Cooperators |
|-------------|---------------------|---------------------|------------------------------------|------------------|
| 1980 | 18 | 3.3 | 3.8 | 2 |
| 1981 | 75 | 5.7 | 11.9 | 7 |
| 1982 | 124 | 5.9 | 11.8 | 12 |
| 1983 | 342 | 6.0 | 3.9 | 33 |
| 1984 | 358 | 5.9 | 3.7 | 36 |
| 1985 | 174 | 5.4 | 3.9 | 19 |
| 1986 | 141 | 6.6 | 5.5 | 17 |
| 1987 | 210 | 5.5 | 4.6 | 21 |
| 1988 | 322 | 5.7 | 3.0 | 23 |
| 1989 | 367 | 5.2 | 2.5 | 22 |
| 1990 | 374 | 5.2 | 5.7 | 25 |
| 1991 | 217 | 4.5 | 9.1 | 18 |
| 1992 | 336 | 4.6 | 18.7 | 40 |
| 1993 | 177 | 4.6 | 16.8 | 24 |
| 1994 | 225 | 4.4 | 8.3 | 26 |
| 2006 | 172 | 6.6 | 12.4 | 17 |
| 2007 | 175 | 6.5 | 7.7 | 15 |
| 2008 | 173 | 6.3 | 8.5 | 12 |
| 2009 | 108 | 6.5 | 8.5 | 9 |
| 2010 | 99 | 5.2 | 4.7 | 10 |
| 2011 | 73 | 4.5 | 4.4 | 8 |
| 2012 | 69 | 4.8 | 7.3 | 7 |
| 2013 | 78 | 6.0 | 14.3 | 7 |
| 2014 | 124 | 5.8 | 6.5 | 9 |

*Starting in 2006 we used only trips targeting salmonids and excluded trips targeting warm water game fish to calculate this statistic. This is done to remain consistent with the 1980-1994 diary statistics (no warm water information was collected during 1980-1994).

Canadice Lake Angler Diary Summary

| Year | Total Fishing Trips | Avg. Hours Per Trip | # Hours to Catch 1 Legal Salmonid* | # of Cooperators |
|-------------|---------------------|---------------------|------------------------------------|------------------|
| 1980 | 21 | 5.6 | 6.9 | 1 |
| 1981 | 40 | 4.3 | 13.3 | 7 |
| 1982 | 45 | 3.3 | 15.0 | 5 |
| 1983 | 364 | 5.0 | 6.4 | 35 |
| 1984 | 598 | 6.1 | 6.9 | 32 |
| 1985 | 207 | 6.1 | 10.6 | 16 |
| 1986 | 238 | 6.4 | 5.2 | 15 |
| 1987 | 126 | 5.3 | 13.3 | 14 |
| 1988 | 90 | 4.9 | 6.5 | 16 |
| 1989 | 79 | 5.0 | 9.8 | 15 |
| 1990 | 167 | 4.3 | 4.7 | 20 |
| 1991 | 124 | 4.4 | 6.3 | 19 |
| 1992 | 118 | 4.2 | 7.5 | 24 |
| 1993 | 115 | 4.5 | 5.7 | 15 |
| 1994 | 242 | 4.1 | 4.5 | 22 |
| 2006 | 73 | 3.4 | 2.8 | 11 |
| 2007 | 87 | 3.3 | 1.9 | 9 |
| 2008 | 45 | 3.3 | 3.4 | 10 |
| 2009 | 43 | 4.1 | 5.0 | 9 |
| 2010 | 74 | 4.1 | 3.3 | 10 |
| 2011 | 54 | 3.8 | 1.8 | 6 |
| 2012 | 52 | 4.0 | 1.8 | 9 |
| 2013 | 15 | 4.4 | 4.4 | 5 |
| 2014 | 21 | 4.5 | 8.8 | 7 |

*Starting in 2006 we used only trips targeting salmonids and excluded trips targeting warm water game fish to calculate this statistic. This is done to remain consistent with the 1980-1994 diary statistics (no warm water information was collected during 1980-1994).