

# New York State Department of Environmental Conservation

## Division of Fish, Wildlife and Marine Resources

### Bureau of Fisheries

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February 8, 2024

Dear Angler,

Thank you for participating in the 2023 Hemlock and Canadice Lakes Volunteer Angler Diary Programs and providing valuable information. We have enclosed your 2023 diary and a diary for the 2024 season.

In 2023, 11 Hemlock Lake diary cooperators recorded 170 fishing trips (diary cooperators and party members). Anglers caught at least one legal size trout on 81% of all trips. Anglers reported a total catch of 212 lake trout, 128 rainbow trout, and six brown trout. Anglers averaged 3.5 hours to catch a legal trout, slightly longer than in 2022.

In 2023, six Canadice Lake diary cooperators recorded 24 fishing trips (diary cooperators and party members). Anglers caught at least one legal size trout on 78% of all trips. Anglers caught a total of 46 lake trout and four brown trout. Anglers averaged 1.9 hours to catch a legal trout, which was slightly better than in 2022.

### **Lake Trout**

Lake trout were the most frequently caught trout species in Hemlock Lake, making up 61% of the total trout catch. Average length of all lake trout caught was 24 inches, while average length of harvested lake trout was 23.4 inches. Of the lake trout that were weighed, the average weight was 4.5 pounds, while average weight of harvested lake trout was 4.7 pounds. Ten impressive lake trout exceeding 30 inches were reported in 2023 and 38% of the catch was over 26 inches (“preferred” size). The lake trout population continues to be maintained by annual stocking of 3,200 yearlings and 6,600 fall fingerlings.

Lake trout made up 92% of the total trout catch in Canadice Lake. Average length of all lake trout caught was 24.4 inches, while average length of harvested lake trout was 21.3 inches. Three impressive lake trout over 30 inches were reported and 39% of the catch was over 26 inches (“preferred” size). Naturally reproducing lake trout continue to support the fishery in Canadice Lake.

### **Rainbow Trout**

Hemlock Lake diary cooperators caught 128 rainbow trout in 2023 with 35 harvested. Average length of all rainbow trout caught was 16.9 inches, while average length of harvested rainbow trout was 19.0 inches. Of the rainbow trout that were weighed, the average weight was 2.5 pounds, while average weight of harvested rainbow trout was 2.6 pounds. Three impressive rainbow trout over 26 inches were reported. We are continuing to stock 4,000 yearling Finger Lakes strain rainbow trout into the lower portions of Springwater Creek each spring. All stocked rainbow trout are fin clipped so that we can differentiate from naturally produced trout from Springwater Creek. Thank you for recording fin clips. We are beginning to see a few fin-clipped rainbow trout reported by anglers.

## **Brown Trout**

Six brown trout were reported from Hemlock Lake while four brown trout were reported from Canadice Lake. Brown trout are no longer stocked in Hemlock Lake, but some wild brown trout continue to enter the lake from Springwater Creek. Canadice Lake receives an annual stocking of 5,000 spring yearling brown trout.

Thank you again for your participation in 2023. The data you provide is highly valuable. If you know of a potential volunteer diary keeper, please have them contact our office at 585-226-5343.

Good fishing,

*Peter Austerman*

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
2015	105	5.3	7.8	6
2016	80	6.3	9.1	8
2017	85	5.6	5.8	11
2018	128	5.6	5.8	13
2019	117	5.7	8.4	14
2020	46	5.4	5.3	9
2021	101	6.2	1.9	14
2022	153	5.6	2.7	15
<b>2023</b>	<b>170</b>	<b>6.1</b>	<b>3.5</b>	<b>11</b>

### 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
2015	21	3.5	7.7	6
2016	17	4.2	8.1	5
2017	28	3.5	6.5	8
2018	29	5.3	6.8	8
2019	25	5.8	10.1	8
2020	24	3.7	4.1	5
2021	31	4.8	2.3	3
2022	56	5.0	2.2	5
<b>2023</b>	<b>24</b>	<b>3.9</b>	<b>1.9</b>	<b>6</b>

Summary of 2023 Hemlock Lake Angler Diary Cooperator Results.

Angler	Days Fished	Angler Trips	Hours Fished	Caught			Kept			Legal Salmonids Caught	Hrs to Catch Legal
				LT	RT	BT	LT	RT	BT		
5	1	1	1.5	0	0	0	0	0	0	-	
50	1	1	5.0	2	0	1	2	0	1	3	1.7
264	2	4	12.0	0	0	0	0	0	0	0	-
300	2	4	56.0	10	4	0	5	2	0	14	4.0
325	11	22	130.0	26	30	0	19	10	0	41	3.2
437	4	4	17.5	4	3	0	3	2	0	6	2.9
583	1	2	10.0	0	0	0	0	0	0	0	-
815	27	54	265.5	14	44	1	10	16	1	32	8.3
824	11	11	75.5	13	10	0	13	3	0	19	4.0
828	14	21	85.5	25	4	0	0	1	0	28	3.1
842	28	46	375.0	118	33	4	3	1	0	150	2.5
<b>Total</b>	<b>102</b>	<b>170</b>	<b>1033.5</b>	<b>212</b>	<b>128</b>	<b>6</b>	<b>55</b>	<b>35</b>	<b>2</b>	<b>293</b>	<b>3.5</b>

LT = Lake Trout

RT = Rainbow Trout

BT = Brown Trout

Summary of 2023 Canadice Lake Angler Diary Cooperator Results.

Angler	Days Fished	Angler Trips	Hours Fished	Caught			Kept			Legal Salmonids Caught	Hrs to Catch Legal
				LT	RT	BT	LT	RT	BT		
204	1	1	3.0	0	0	0	0	0	0	-	
803	1	2	8.0	1	0	0	0	0	0	-	
804	1	1	4.0	0	0	0	0	0	0	-	
828	3	4	16.0	3	0	3	1	0	0	6	2.7
829	2	4	12.0	6	0	0	6	0	0	6	2.0
842	10	12	50.5	36	0	1	0	0	0	37	1.4
Total	18	24	93.5	46	0	4	7	0	0	49	1.9

LT = Lake Trout

RT = Rainbow Trout

BT = Brown Trout