

New York State Department of Environmental Conservation

Division of Fish, Wildlife and Marine Resources

Bureau of Fisheries

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Dear Angler,

Thank you for participating in the 2022 Hemlock and Canadice Lakes Volunteer Angler Diary Programs. The information you provide is an important part of the overall management of the fishery. We have enclosed your 2022 diary, a diary for the 2023 season, and a summary of our 2022 bass electrofishing survey on Canadice Lake.

In 2022, 15 Hemlock Lake diary cooperators recorded 153 fishing trips (diary cooperators and party members). Anglers reported a total catch of 241 lake trout, 88 rainbow trout, and 11 brown trout. Anglers averaged 2.7 hours to catch a legal trout, slightly longer than in 2021.

In 2022, five Canadice Lake diary cooperators recorded 56 fishing trips (diary cooperators and party members). Anglers caught a total of 124 lake trout and three brown trout. Anglers averaged 2.2 hours to catch a legal trout, similar to last year.

Lake Trout

Lake trout were the most frequently caught trout species in Hemlock Lake, making up 71% of the total trout catch. Average length of all lake trout caught was 23.7 inches, while average length of harvested lake trout was 23.3 inches. Of the lake trout that were weighed, the average weight of all fish was 4.4 pounds, while average weight of harvested lake trout was 4.7 pounds. The lake trout population has been maintained by annual stocking of 3,200 yearlings and 6,600 fall fingerlings.

Lake trout made up 98% of the total trout catch in Canadice Lake. Average length of all lake trout caught was 24.9 inches. No lake trout were harvested. Four impressive lake trout over 30 inches were reported and 35% 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 88 rainbow trout in 2022 with 25 harvested. Average length of all rainbow trout caught was 18.9 inches, while average length of harvested rainbow trout was 19.9 inches. Of the rainbow trout that were weighed, the average weight of all fish was 2.5 pounds, while average weight of harvested rainbow trout was 2.9 pounds. 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. Please continue to look for fin clips on rainbow trout you catch in the upcoming fishing seasons and record these clips in your diary.

Brown Trout

Eleven brown trout were reported from Hemlock Lake while three 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. Our hatchery strain of brown trout is being modified in an attempt to improve survival. We are hopeful that this will lead to better catch rates in Canadice Lake.

Thank you again for the valuable information you provide. If you know of a potential volunteer diary keeper, please let us know.

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
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

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

Summary of 2022 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	3	6	25.0	2	2	0	1	2	0	3	8.33
50	11	11	54.0	12	6	0	12	3	0	18	3.00
264	2	4	11.0	0	1	0	0	1	0	1	11.00
280	2	4	28.0	9	0	1	7	0	1	9	3.11
300	3	5	71.0	6	5	0	3	0	0	10	7.10
325	7	14	80.0	19	24	1	14	10	1	31	2.58
437	3	3	13.3	6	3	1	4	2	1	7	1.89
440	3	3	9.0	3	1	0	0	0	0	4	2.25
445	2	2	5.5	1	0	0	1	0	0	1	5.50
819	1	1	5.0	0	0	0	0	0	0	0	-
821	5	7	21.0	20	0	0	11	0	0	20	1.05
823	6	14	63.8	2	0	0	0	0	0	2	31.88
824	11	11	86.8	5	10	1	5	6	1	15	5.78
828	8	12	43.0	12	1	0	1	0	0	9	4.78
842	36	56	345.2	144	35	7	0	1	0	185	1.87
Total	103	153	861.4	241	88	11	59	25	4	315	2.73

LT = Lake Trout

RT = Rainbow Trout

BT = Brown Trout

Summary of 2022 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	4.5	0	0	0	0	0	0	-	
819	2	3	9.8	0	0	0	0	0	0	-	
828	6	6	27.0	8	0	1	0	0	0	7	3.86
842	30	41	210.7	108	0	2	0	0	0	109	1.93
907	5	5	26.0	8	0	0	0	0	0	8	3.25
Total	44	56	277.9	124	0	3	0	0	0	124	2.24

LT = Lake Trout

RT = Rainbow Trout

BT = Brown Trout