

**Twin Lake Stream CROTS Survey (Survey #622303)**  
**Anthony Bruno, Region 6 Fisheries**

**6/13/2023**

Twin Lake Stream (SL-25-101-5) is a 1.9-mile stream that flows from North Twin Lake to Little River. Twin Lake Stream is entirely in the Town of Fine, St. Lawrence County. It is classified as a C(T) stream by NYSDEC Division of Water (i.e., suitable for fishing and trout present). Ample public access is provided through 1.5 miles of Public Fishing Rights. Statewide Inland Trout Stream regulations apply to Twin Lake Stream, allowing trout harvest from April 1 to October 15, no minimum length, daily limit of 5 fish with only 2 longer than 12 inches; and an October 16 – March 31 catch and release, artificial lures only season.

In July 2022, a Catch Rate Oriented Trout Stocking (CROTS) Survey was conducted at two sites within the area of the Public Fishing Rights. Twin Lake Stream was last sampled using the CROTS methodology in 1998. The current survey was conducted to evaluate the current status of the stream and trout population, and to determine the appropriate management category for current conditions as outlined in the New York State Trout Stream Management Plan (TSMP; NYSDEC 2020).

A total of four brook trout and some other fish species common to the area were captured (Table 1). The CROTS model estimated Twin Lake Stream has a wild trout biomass of 4.33 lbs/acre and a wild trout yearling or older density of 70.59 fish/acre (167 fish/mile). Twin Lake Stream will remain a Wild water as it does not meet criteria to be a Wild-Quality water as outlines in the Trout Stream Management Plan (wild trout biomass greater than 40 lbs/acre or 300 yearling and older trout/mile; NYSDEC 2020). We recommend that the stream classification be upgraded from C(T) to C(TS) (i.e., Trout Present to Trout Spawning) given the capture of wild brook trout.

Table 1. Fish species and numbers collected during the 2022 Twin Lake Stream CROTS Survey.

<u>Species</u>	<u>Number</u>
Brook Trout	4
Brown Bullhead	1
Creek Chub	52
Cutlips Minnow	1
Eastern Blacknose Dace	12
Northern Redbelly Dace	58

Literature Cited

NYSDEC. 2020. New York State Trout Stream Management Plan. Albany, NY: New York State Department of Environmental Conservation.

