

Lilypad Pond Brook Trout Survey (Survey #622602)

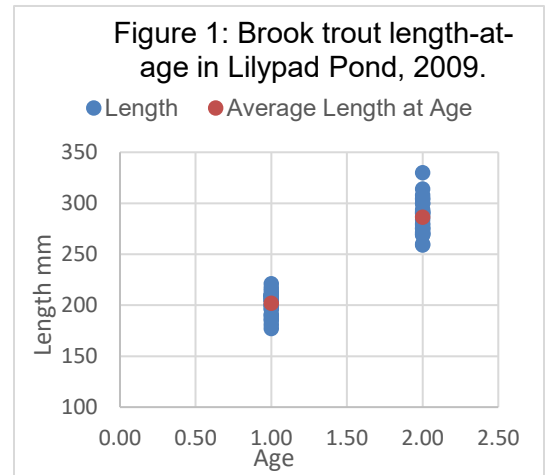
Anne Resseguie, Region 6 Fisheries

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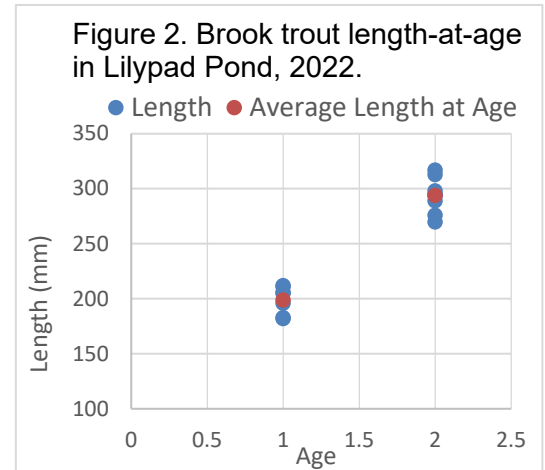
Lilypad Pond (SL-1-P25) is a 10-acre, approximately 24-foot-deep, body of water in Town of Parishville, St. Lawrence County. Stocking in Lilypad Pond began in 1991 with 500 Temiscamie hybrid strain brook trout and has continued annually.

In 1984, the Adirondack Lakes Survey Corporation (ALSC) conducted a biological survey that included water chemistry sampling. Four brook trout and 105 brown bullhead caught (data posted at: www.adirondacklakessurvey.org).

Lilypad Pond was last surveyed by New York State Department of Environmental Conservation in 2009. At that time, the trail into Lilypad Pond was worn and the campsite littered with garbage, signifying relatively high use. This, as well as the extension of the road to be closer to the trailhead, was cause for concern to a local fisherman. During this survey four Swedish Experimental nets were set overnight catching 52 brook trout. Fish were measured and otoliths were taken for age determination, the results of which can be seen in Figure 1. The purpose of this year's survey was to evaluate the current status of the brook trout population with consideration of the 2009 status and concerns about high use.



On 24 August 2022, a survey was conducted on Lilypad Pond to evaluate stocking. Two 150ft redder experimental gill nets, one 25-foot minnow net and one minnow trap were set overnight. The nets captured 15 brook trout and 41 brown bullhead. The catch rate for brook trout was 7.5 trout per net night. The brook trout ranged in size from 182mm-317mm (7.2in-12.5in). Otoliths were collected from all brook trout for age interpretation. Seven fish were one-year-old brook trout averaging 199mm (Figure 1; 7.8in) in length and eight were 2-year-old trout, averaging 294mm (Figure 1; 11.6in). Initial surveys indicate good growth and survival of stocked fish. We will continue to stock this water to provide angling opportunities for the public.



In addition to the biological survey, a water chemistry sample was taken and sent to the ALSC lab for analysis as pH and acid neutralizing capacity (ANC) are key indicators of quality water for brook trout and indicate brook trout would likely survive if stocked. The water chemistry analysis is not yet available and will be reported on at a future date.

Literature Cited:

Roy, K., Dukett, J., Houck, N., and Lawrence, G. 2013. A Long-Term Monitoring Program for Evaluating Changes in Water Quality in Selected Adirondack Waters. New York State Energy Research and Development Authority Final Report No. 15-24. Albany, NY.