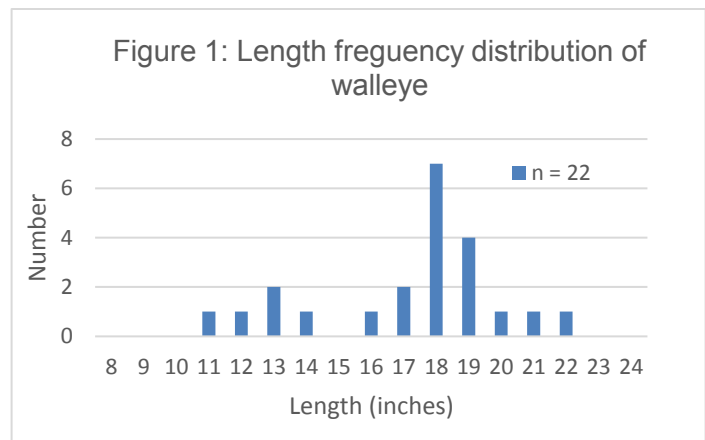


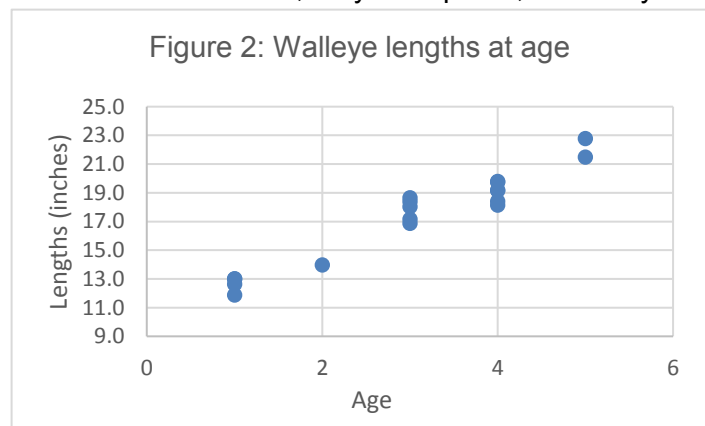
Titicus Reservoir Percid Survey (Survey #: 319006)
Ryan Coulter, Region 3 Fisheries

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Titicus Reservoir is a 681-acre reservoir located in the Town of North Salem, Westchester County, NY. The reservoir has roughly 8.1 miles of shoreline and has a maximum depth of 60 feet. Public access is provided by New York City Department of Environmental Protection. A five-year experimental walleye stocking program started in 2014 to establish a walleye fishery. Roughly 13,600 (pond fingerling) walleyes were stocked annually during this time. Additionally, brown and rainbow trout are stocked annually. A special regulation exists for walleye: season is open from 1st Saturday in May through March 15th, 18" size minimum, daily limit of three, ice fishing permitted. On 7/16 and 7/17/19, gill nets were set at a total of nine different locations and were retrieved the following day. These nets fished for an average of 22 hours each. Six of the nets were 270 ft by 10 ft with 2 inch, 3 inch and 4 inch monofilament mesh. These six nets were set 6 feet below the surface, effectively fishing 6 to 16 feet deep. The other three nets were 270 ft by 10 ft with 2 inch, 3 inch and 4 inch multifilament mesh. These three nets were set on the bottom. The purpose of the survey was to monitor the walleye population after the experimental stocking.



A total of 11 species were caught during this survey including three chain pickerel, one bluegill, two white perch, four brown trout, three rainbow trout, five white sucker, two common carp, seven brown bullhead, 11 yellow perch, 22 walleye and 36 alewives. The walleye catch rate of 2.4 per net is slightly below average and indicates a moderate population abundance (Forney et al. 1994). Walleye lengths ranged from 11.9 to 22.8 inches (Figure 1). These fish appeared to be in good condition with weights ranging from 0.6 to 4.8 lbs. Scale samples showed five different year classes in our collection (Figure 2). Growth rates for age 4 walleye was high (Forney et al. 1994). While survival of the stocked walleye was successful, it is unknown at this time if we will see natural recruitment into the system. The DEC Fisheries Unit will continue to monitor the walleye population and make management recommendations accordingly.



Literature Cited

Forney, J.L., L.G. Rudstam, D.M. Green, and D.L. Stang. 1994 Percid sampling manual. New York State Department of Environmental Conservation, Albany, NY.

