

Lake Redman

York County

2021 Largemouth Bass Monitoring

Lake Redman is a 290-acre reservoir located in William H. Kain County Park in York County. Lake Redman is a sister lake to Lake Williams, and both lakes are owned by the York Water Company. Lake Redman is managed as a warmwater fishery that supports Largemouth Bass, Striped Bass, Channel Catfish, and various panfish species. The Lake Redman black bass population is managed with [Big Bass Program Special Regulations](#), which has a minimum length limit of 15 in and a daily creel limit of 4 fish (Largemouth Bass and/or Smallmouth Bass). As the following results indicate, it appears this regulation program is effective in producing high densities of large fish. The lake's robust population of Gizzard Shad, which is an important forage item for Largemouth Bass, may be contributing to the current density and size structure of Largemouth Bass.



PFBC Executive Director Tim Schaeffer holding two Largemouth Bass collected on June 15, 2021.

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Biologists from the Pennsylvania Fish and Boat Commission's (PFBC) Area 6 fisheries management office, with assistance from Executive Director Tim Schaeffer, conducted a nighttime electrofishing survey of the Lake Redman Largemouth Bass population on June 15th, 2021. Six sites of approximately 300 – 400 m in length were randomly selected and 10 minutes of electrofishing time was conducted at each site, totaling 1 hour of effort. All Largemouth Bass captured were weighed, measured, and released alive. A total of 139 Largemouth Bass were collected, ranging in length from 4 in to 19.9 in (Figure 1) and weighing up to 4.4 lbs. No Smallmouth Bass were captured or observed during this survey, although anglers occasionally report catching this species. Other fish species encountered were Bluegill, Brown Bullhead, Common Carp, Gizzard Shad, Green Sunfish, White Crappie, White Perch, White Sucker, and Yellow Perch.

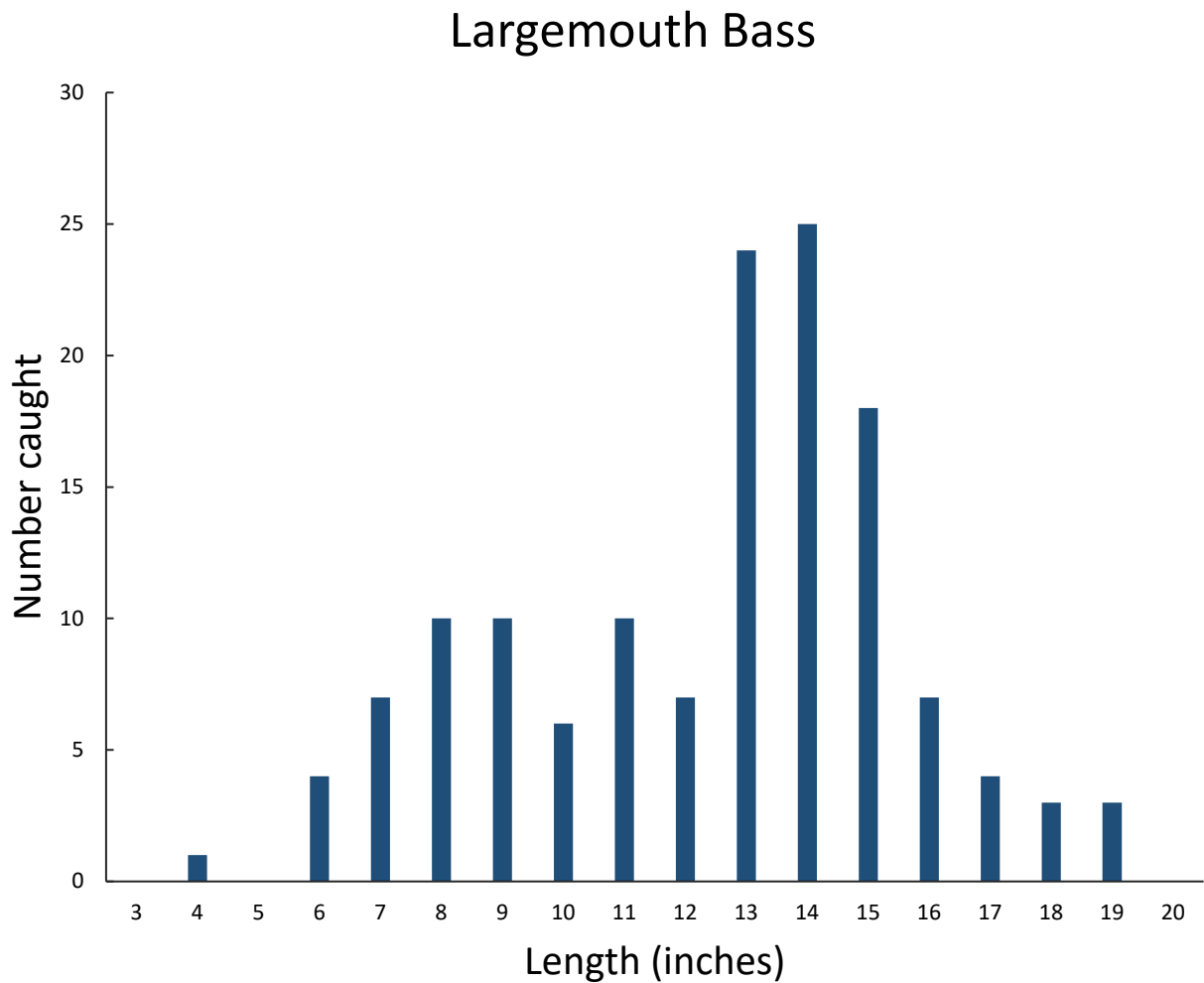


Figure 1. Length frequency distribution of Largemouth Bass collected at Lake Redman during June 2021.

The total catch rate (138.7 fish/hr), catch rate ≥ 12 in (90.8 fish/hr), and catch rate ≥ 15 in (34.9 fish/hr) were all above Big Bass Program objectives (Figure 2). The catch rates of Largemouth Bass ≥ 12 in and ≥ 15 in were in the top 5% of all catch rate values collected from lakes of similar sizes, which makes this one of the most robust populations of Largemouth Bass in Pennsylvania.

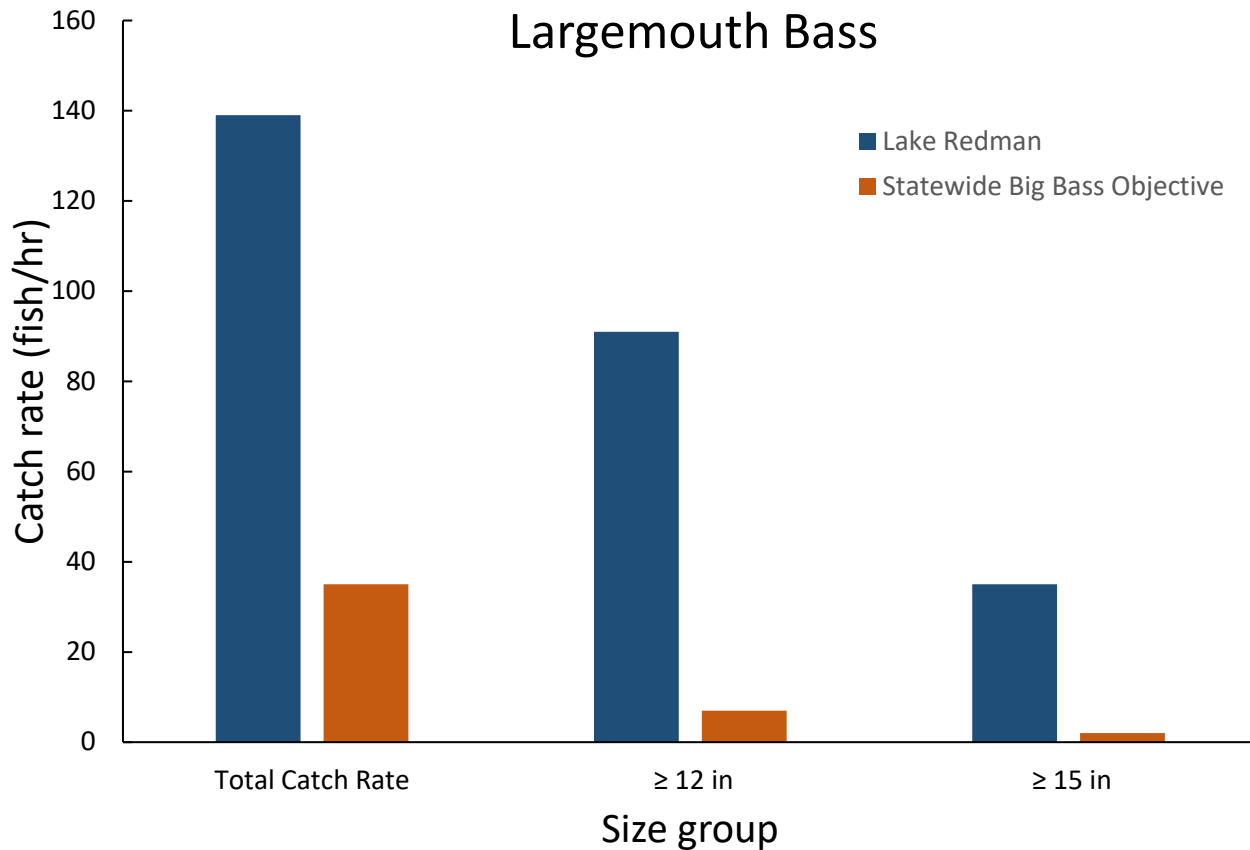


Figure 2. Catch rates of three size classes of Largemouth Bass collected from Lake Redman during June 2021 compared to statewide Big Bass Program objectives. The Big Bass Program catch rate objectives are 35, 7, and 2 fish/hr for total catch, catch ≥ 12 in, and catch ≥ 15 in, respectively.

Anglers interested in targeting Largemouth Bass in southcentral Pennsylvania should look no further than Lake Redman. Due to the abundance of large Largemouth Bass, anglers have tremendous bass fishing opportunities at Lake Redman. Anglers are reminded that Lake Redman only permits the use of electric motors, which makes this a great lake to try kayak fishing.

Although none were captured during this survey, Lake Redman now supports a population of non-native Northern Snakeheads. Anglers that catch a Northern Snakehead are encouraged to harvest these fish but

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are reminded that it is unlawful to transport these fish from the lake alive meaning they must be killed prior to leaving. Recommended techniques for euthanizing Northern Snakeheads include prompt removal of the head. Simply throwing a Northern Snakehead on the shoreline is not permitted, also the species can breathe atmospheric oxygen outside of the water and may find its way back to the lake. Anglers choosing to not keep these fish may release them at the exact location that they were caught. These actions may help to keep the Northern Snakehead population stable, as it is unknown how this species may affect the Lake Redman fish community, and/or to avoid the spread of this species into other Pennsylvania waterbodies. Anglers are encouraged to [report](#) Northern Snakeheads that they catch to the PFBC.

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