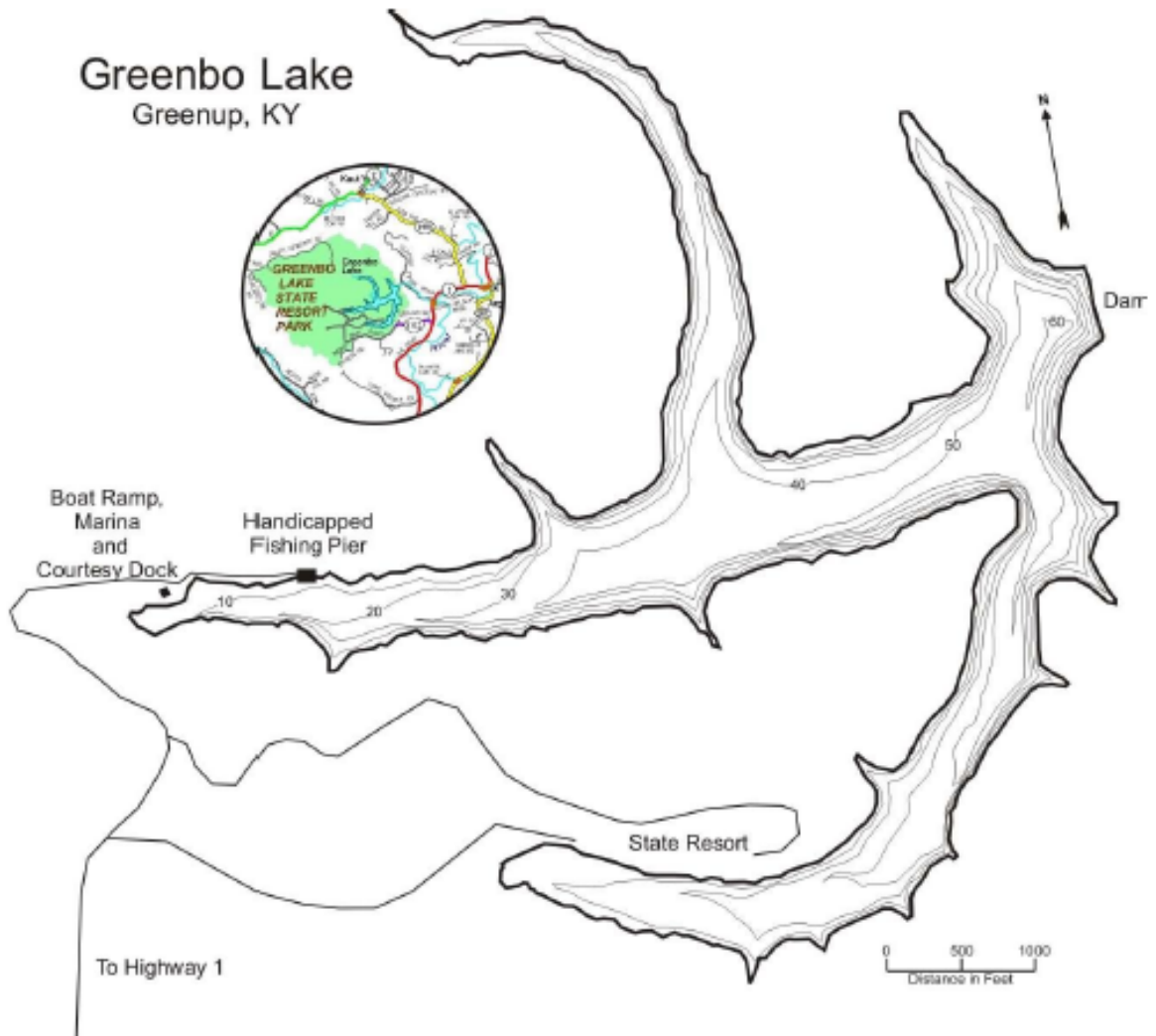


Greenbo Lake Largemouth Bass Assessment 2022

Greenbo Lake is a 181-acre multipurpose reservoir located at Greenbo Lake State Park in Greenup County, where anglers enjoy fishing for largemouth bass, bluegill, redear sunfish, channel catfish, and rainbow and brown trout. The following graphs show data trends and rankings for each of the five parameters used in the largemouth bass assessment.

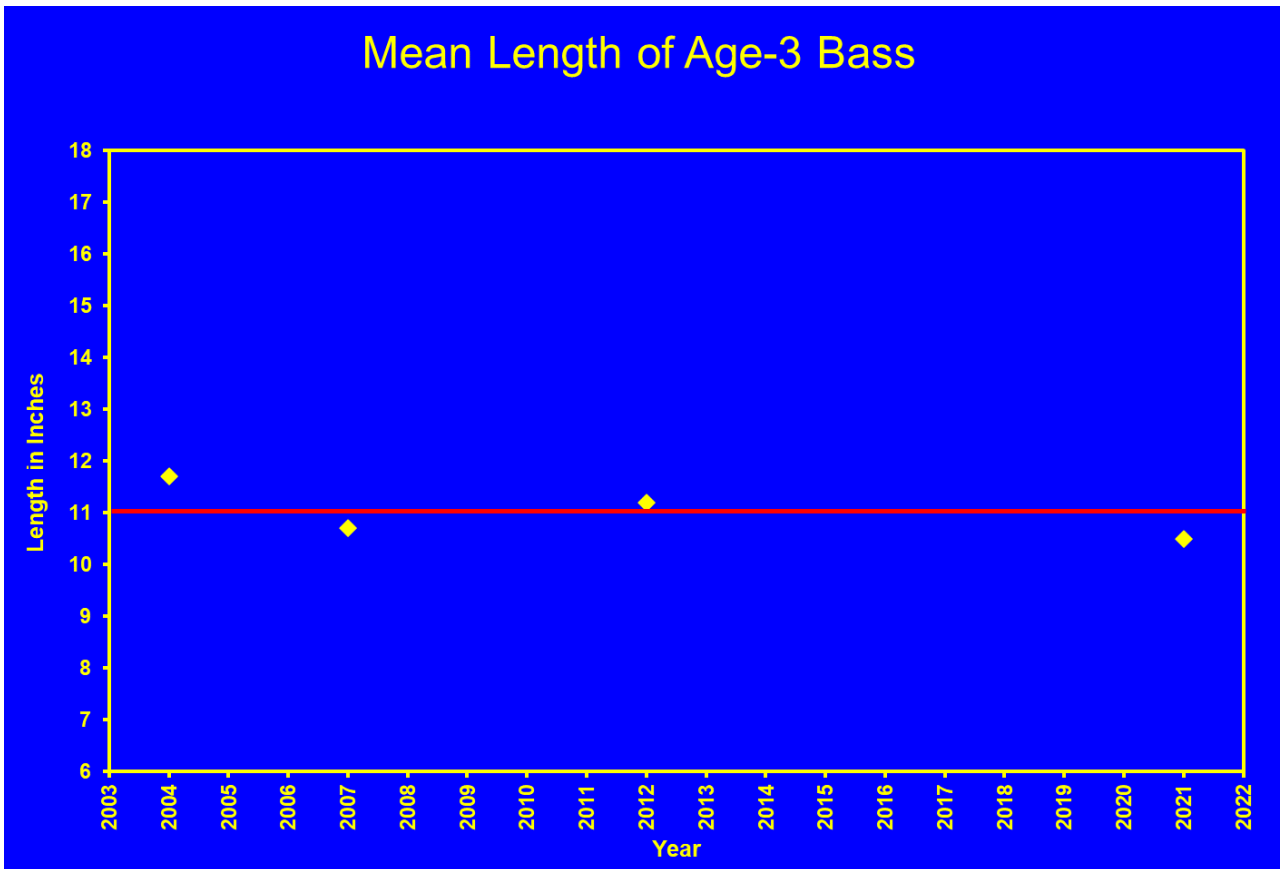
Please see the [Sportfish Assessments](#) page for an explanation of how the assessment works and for a list of other lakes with largemouth bass assessments.

Please note that the minimum size limit for largemouth bass on this lake is 12.0 inches.



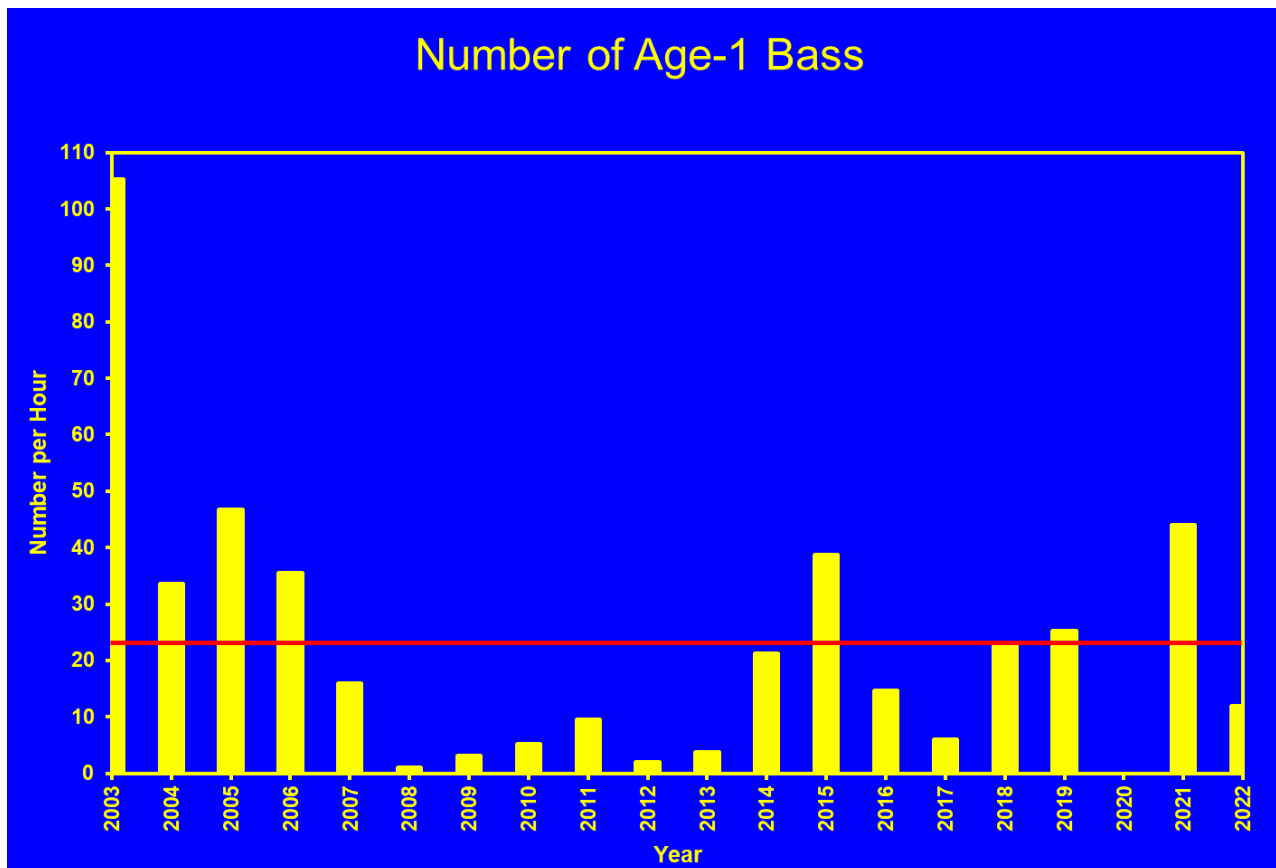
Parameter 1 – Mean Length at Age-3 (growth rate)

At Greenbo Lake, the length of an age-3 largemouth bass has averaged 11.0 inches since 2003 (represented by the red line). When compared to other lakes of similar size, the average growth rate for largemouth bass at this lake is “Good”. Over the past 20 years, age-3 length has been relatively stable ranging from 10.5-11.7 inches. Growth rates are generally related to factors such as population density, food resources, lake fertility, and weather patterns. The last year that largemouth bass were aged was 2021 and the length of age-3 largemouth bass was 10.5 inches, falling below the 20-year average.



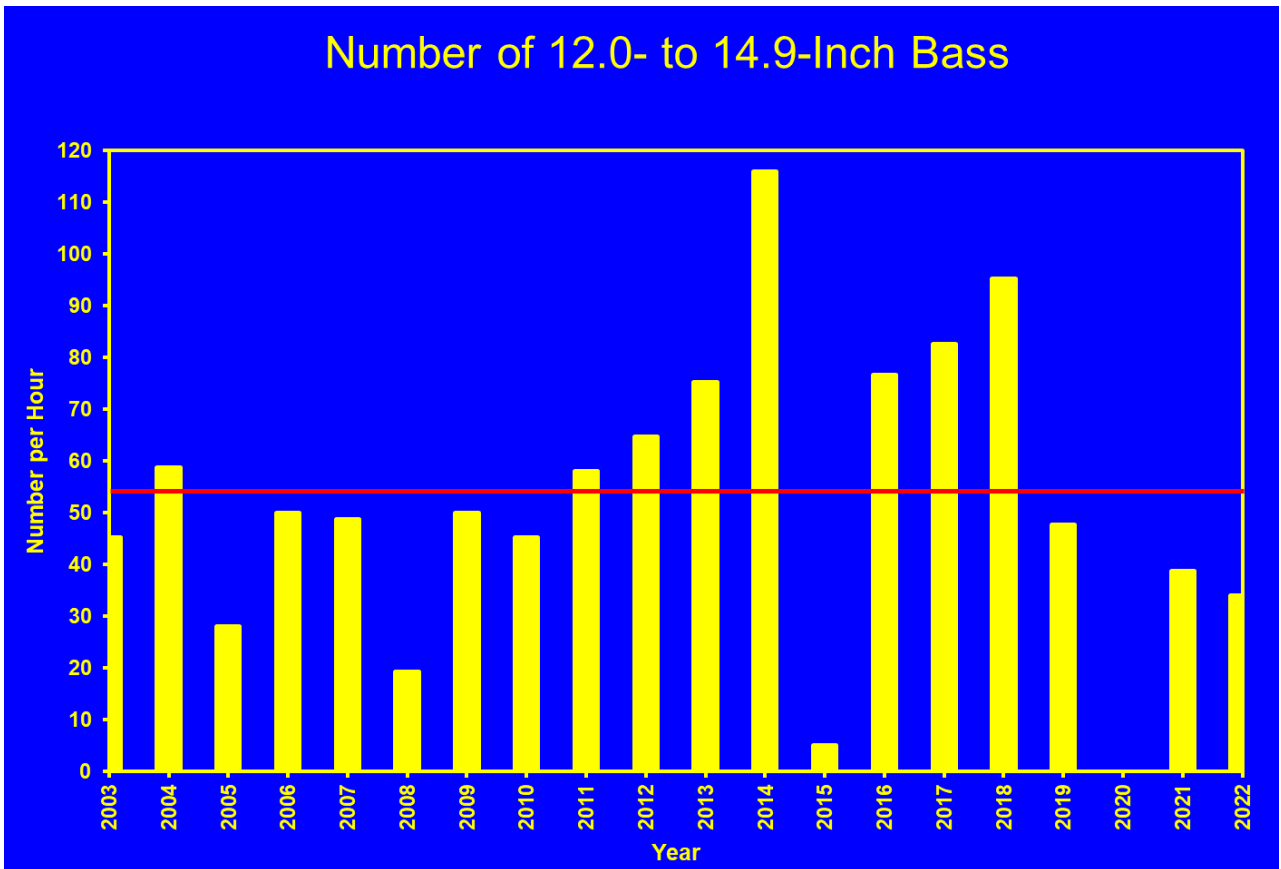
Parameter 2 – Number of Age-1 Bass (spawning success)

KDFWR looks at the electrofishing catch rates of age-1 largemouth bass to assess the success of the spawn that occurred in the prior year. This is an important parameter because the number of age-1 bass produced represents how good the fishing will be once these fish grow large enough for anglers to catch. At Greenbo Lake, age-1 largemouth bass catch rates have averaged 23.5 fish per hour (fish/hr) of electrofishing. When compared to other lakes of similar size, this is considered to be a “Good” age-1 catch rate. Since 2008, catch rates of age-1 fish have been below average and hovered in the “Fair” and “Poor” range with 2015, 2018, 2019, and 2021 assessed as “Good.” When poor spawns are observed, KDFWR stocks the lake to make up for any deficiencies with age-1 fish.



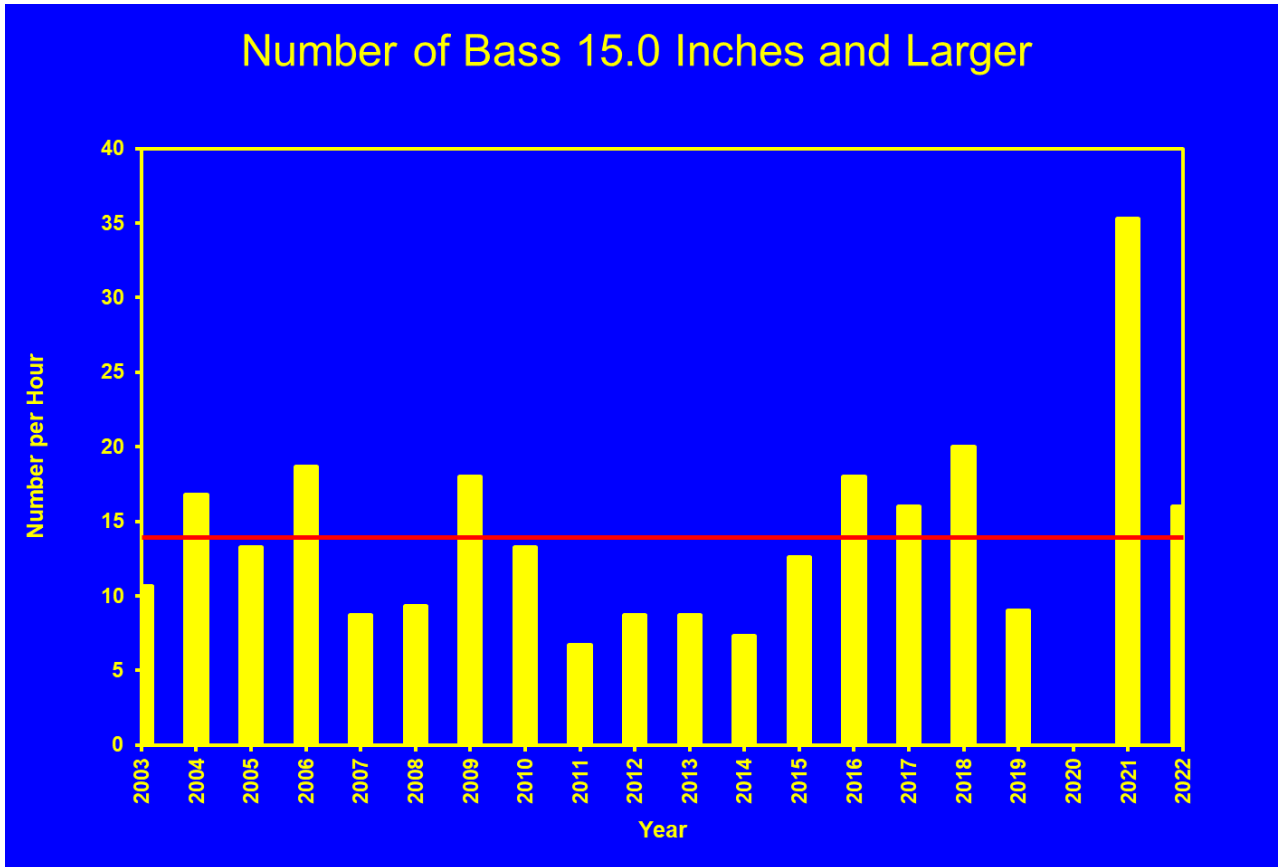
Parameter 3 – Number of 12.0- to 14.9-Inch Bass

The electrofishing catch rate of 12.0- to 14.9-inch largemouth bass since 2003 has averaged 54.7 fish/hr which puts Greenbo Lake in the “Excellent” rating when compared to other lakes of similar size. Since 2019, we have seen below average catch rates of 12.0- to 14.9-inch largemouth bass; however, 2021 and 2022 were still rated as “Good.”



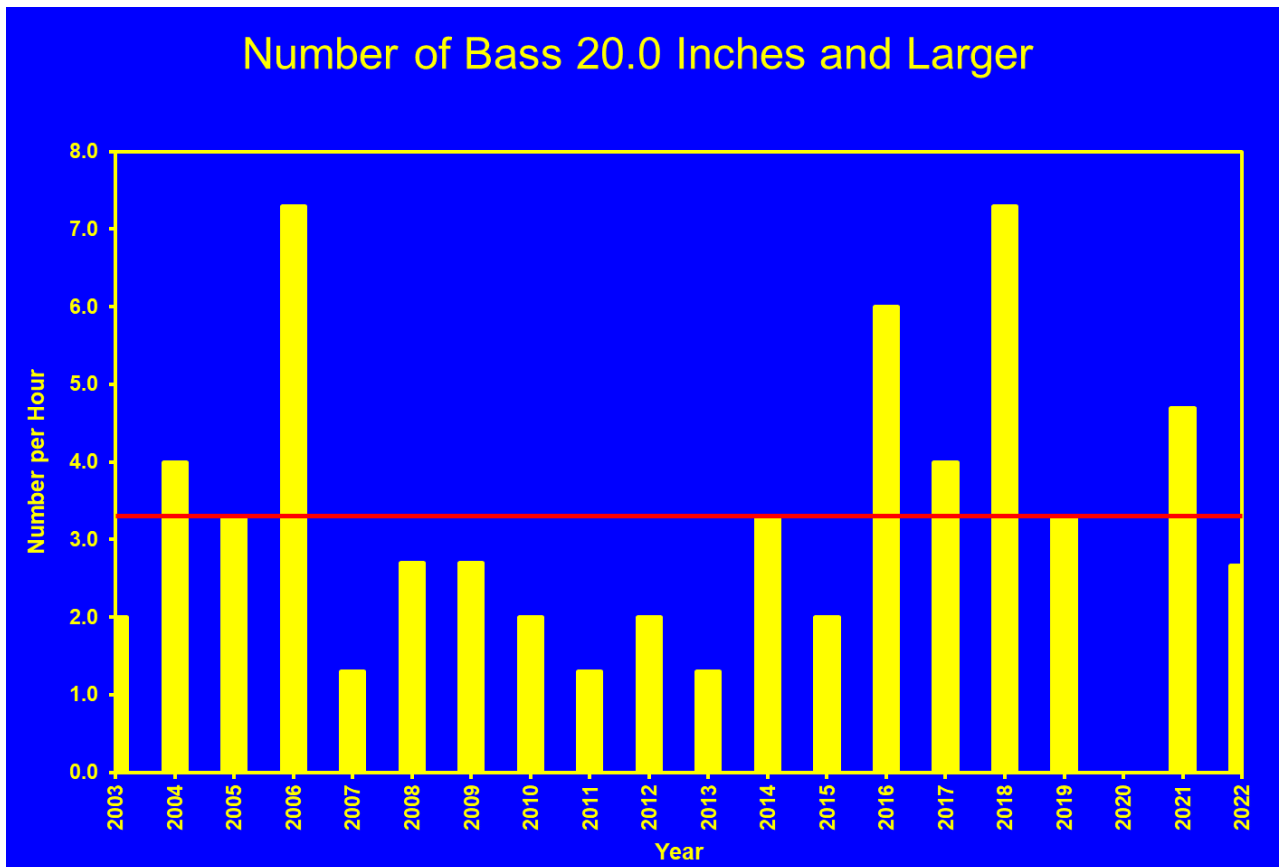
Parameter 4 – Number of Bass 15.0 Inches and Larger

The electrofishing catch rate of 15.0-inch and larger largemouth bass has averaged 14.1 fish/hr over past 20 years. This is “Good” in comparison with other lakes of similar size. Observations in 2021 were among some of the highest recorded and would be considered “Excellent” for a lake of this size. The decline in 12.0- to 14.9-inch largemouth bass observed in 2019 likely contributed to increased survival and growth of those fish observed in 2021.



Parameter 5 – Number of 20.0-inch and larger bass

Since 2003, the electrofishing catch rate of 20.0-inch and larger largemouth bass has averaged 3.3 fish/hr for Greenbo Lake. As compared to other lakes of similar size, this is a “Good” catch rate for this size group. Catch rates varied greatly from 2003 to 2022 and have the occasional spiked in abundance of larger fish. It can be difficult to consistently sample fish of this size, which usually accounts for the variation in catch rates between years. However, Greenbo Lake is still regularly producing trophy-sized fish over 20.0 inches.



Overall – Total Assessment Score (all five parameters added together)

Overall, the largemouth bass fishery at Greenbo Lake has averaged a “Good” rating (14.1) over the past 20 years (as indicated by the red line). Based on the overall trends revealed by these assessments and other data, the largemouth bass fishery at Greenbo Lake should remain good for the immediate future and will continue to offer anglers a chance to catch a trophy largemouth bass.

