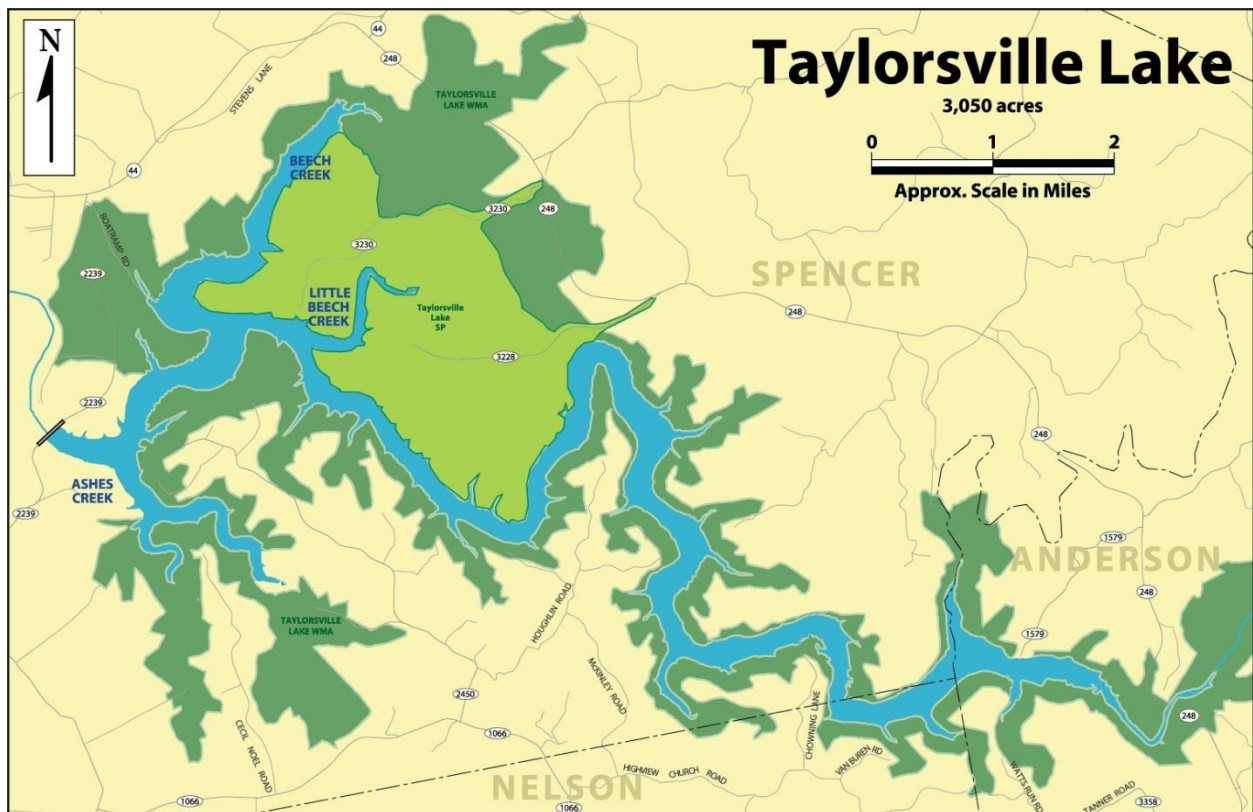


Taylorsville Lake Bass Assessment 2023

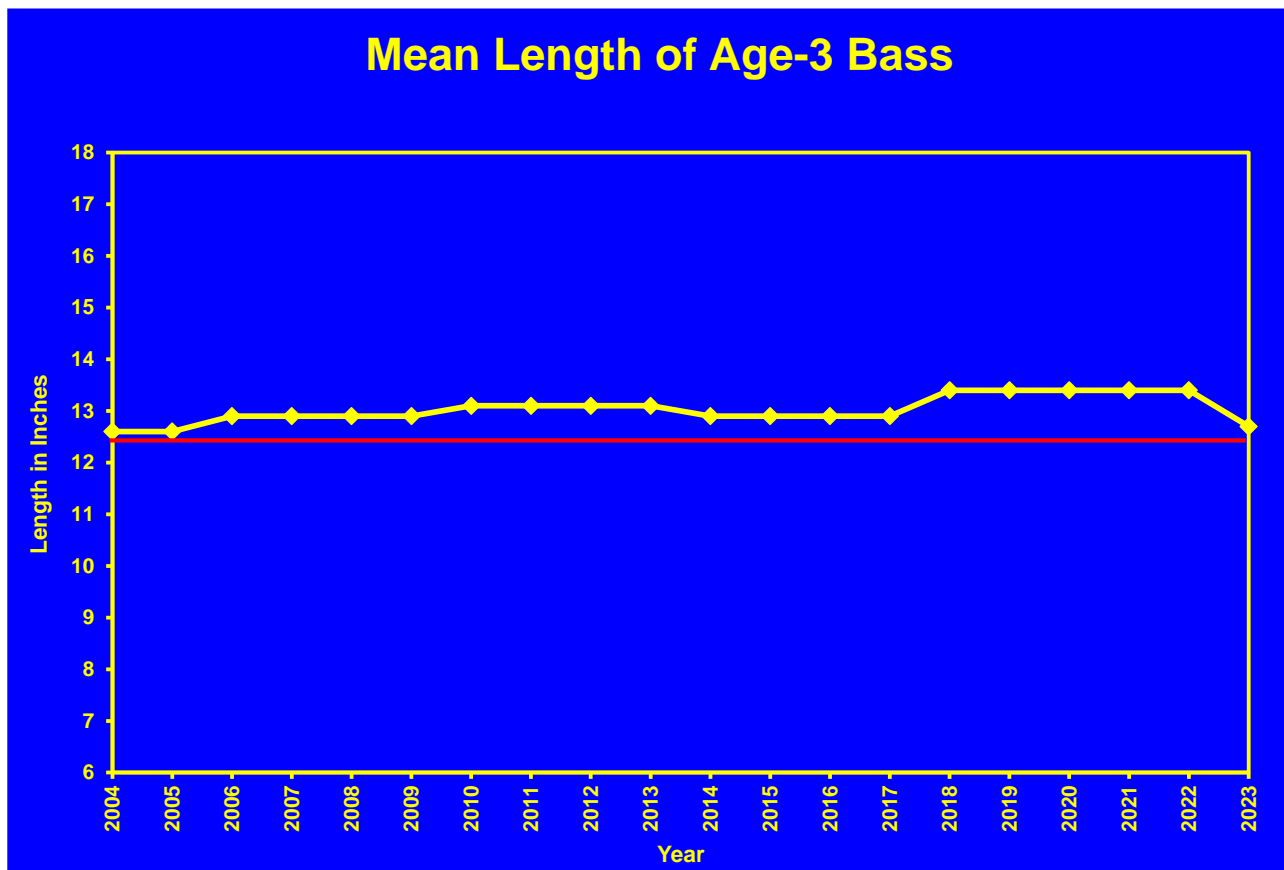
Taylorsville Lake is a 3,050-acre multipurpose reservoir on the Salt River and was impounded in the early 1980's. The lake has a very popular bass fishery due to its proximity to Louisville and Lexington. Past creel surveys have shown there is substantial fishing pressure for Largemouth Bass at Taylorsville Lake. The following graphs show trends and rankings for each of the five population parameters used in the Largemouth Bass assessment. There was no spring sample collected in 2011 due to prolonged flood conditions or in 2020 due to Covid-19 restrictions at Taylorsville Lake.

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.



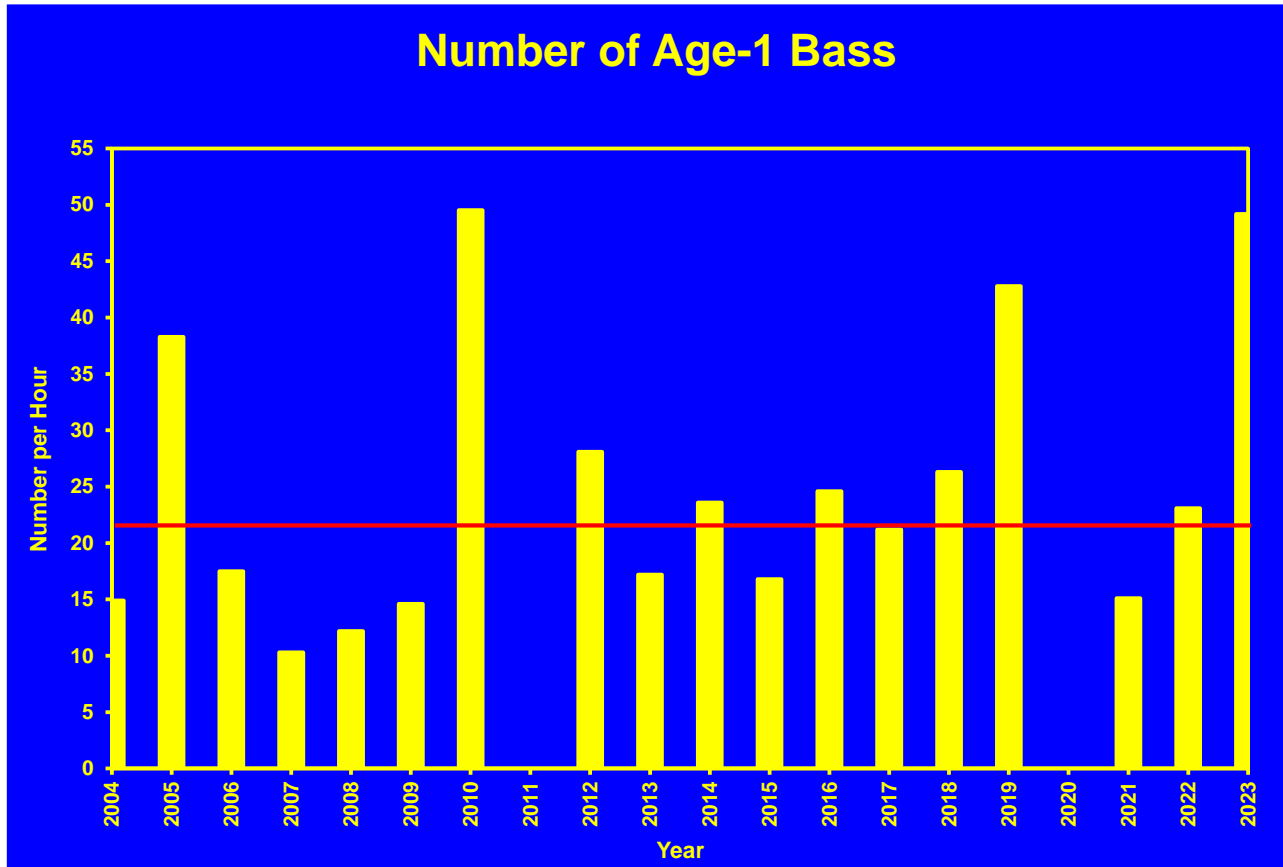
Parameter 1 – Length at age-3 (growth rate)

At Taylorsville Lake, the length of an age-3 Largemouth Bass has averaged 12.5 inches since impoundment and is represented by the red line. On average, Largemouth Bass exhibit good growth at Taylorsville Lake. Growth rate can be variable and is related to factors such as population dynamics, food resources, and weather patterns. The last year that KDFWR aged Largemouth Bass at the lake was 2023. Growth during 2023 was ranked as good. KDFWR biologists are planning to re-evaluate the growth rates of Largemouth Bass at Taylorsville Lake during the 2028 sampling efforts.



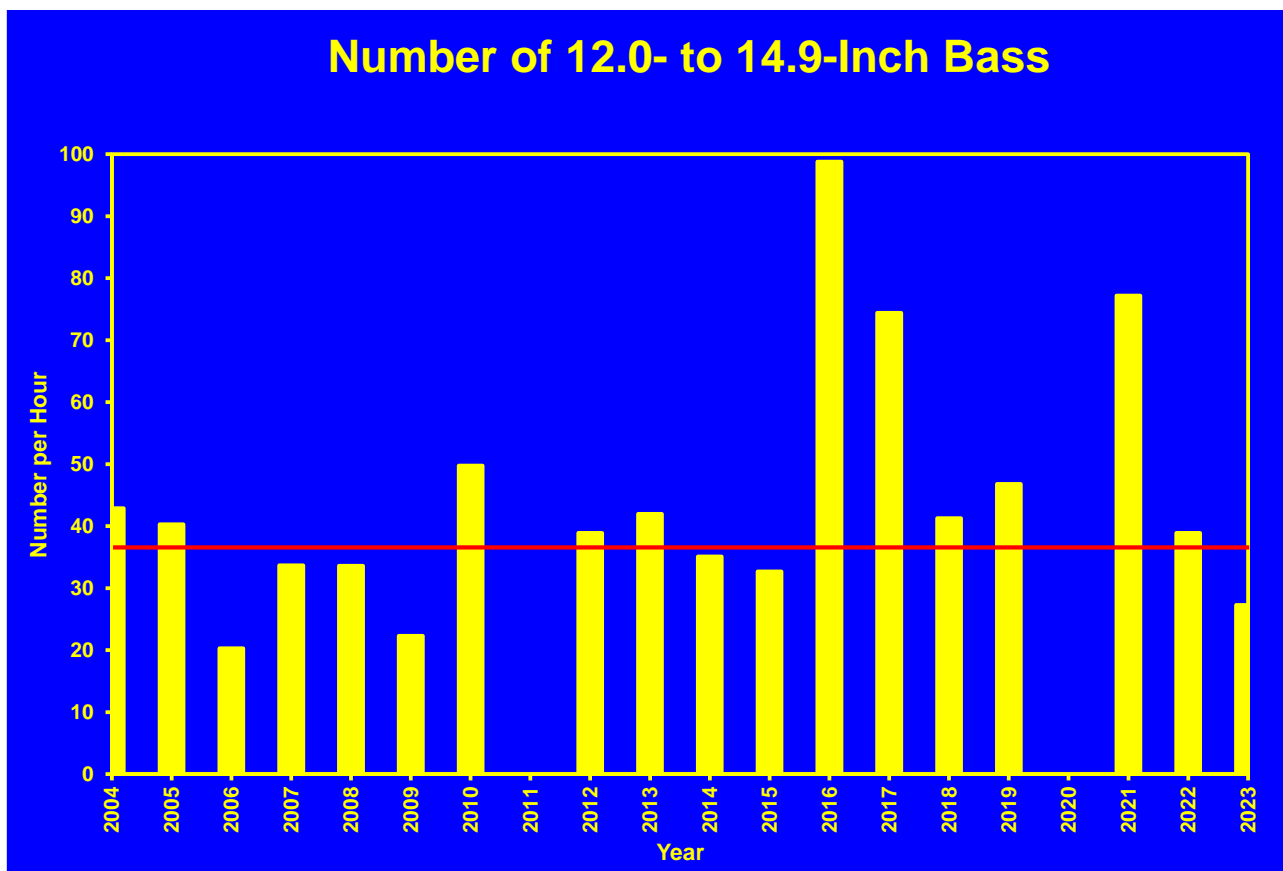
Parameter 2 – Number of age-1 bass (how good the spawn was)

KDFWR looks at the catch rates of age-1 Largemouth Bass to assess the success of the spawn which 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 Taylorsville, the age-1 Largemouth Bass catch rate averages 21.4 bass/hr of electrofishing as indicated by the red line and overall is ranked as being fair compared to other lakes of similar size. Poor recruitment has been a historic problem at Taylorsville Lake and has been buffered by supplemental stocking of Largemouth Bass over the years. In 2023, the spring catch of age-1 Largemouth Bass (2022 spawn) was 49.2 bass/hr which is more than double the lake's average. Biologists will continue to monitor this parameter and contribution to the overall fishery.



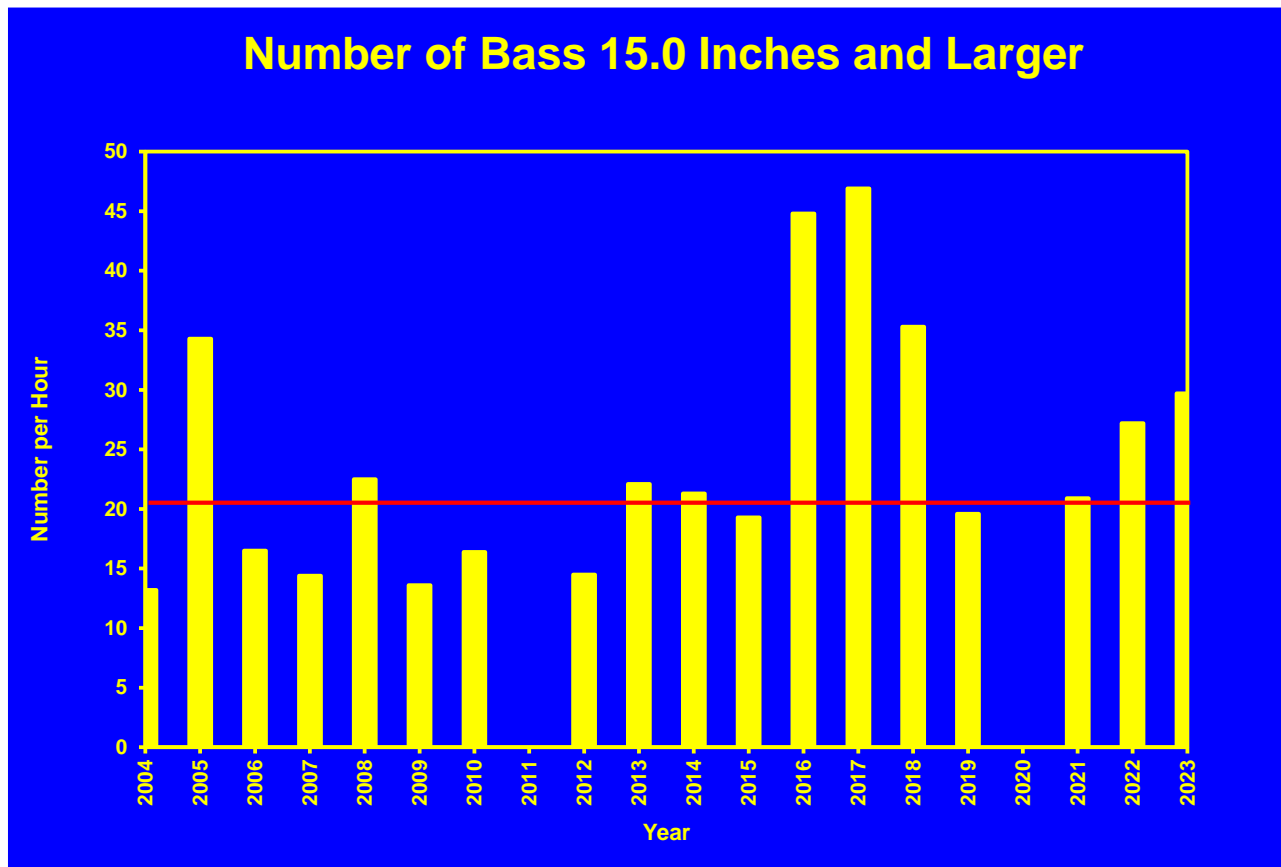
Parameter 3 – Number of 12.0- to 14.9-inch bass

The electrofishing catch rate of 12.0- to 14.9-inch Largemouth Bass has averaged 36.2 bass/hr over the years as indicated by the red line. As compared to other lakes, this is an excellent catch rate for this size group of Largemouth Bass. KDFWR biologists have recorded good catch rates of this size group at Taylorsville Lake over the last several years. This is important because these fish will grow to exceed the 15.0-inch legal size limit at the lake in the upcoming years. Fishing at the lake is expected to remain stable or improve slightly over the next several years due to the good number of 12.0- to 14.9-inch fish observed over the past several years.



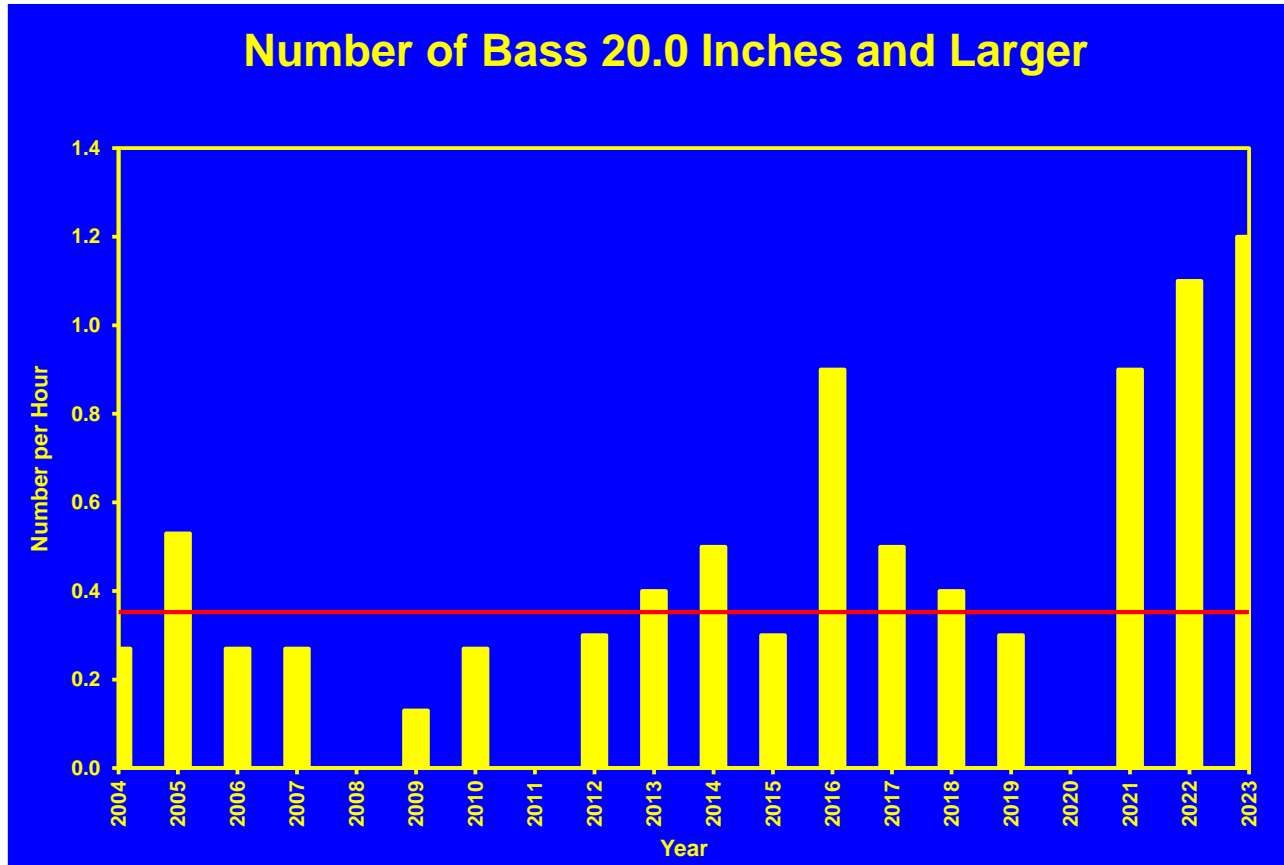
Parameter 4 – Number of bass 15.0 inches and larger

The electrofishing catch rate of 15.0-inch and larger Largemouth Bass has averaged 20.1 fish/hr as indicated by the red line. Again, as compared to other lakes, this is a good catch rate for this size group. Since 2013, biologist have observed above average and increasing catch rates of Largemouth Bass in this size group. This translates into a stable Largemouth Bass fishery at Taylorsville Lake with an above-average number of fish over the 15.0-inch minimum size limit.



Parameter 5 – Number of bass 20.0 inches and larger

The electrofishing catch of 20.0-inch and larger Largemouth Bass has averaged 0.4 bass/hr over the history of Taylorsville Lake as indicated by the red line. As compared to other lakes, this is a fair catch rate for this size group. On a positive note, the overall the catch of 20.0-inch and larger Largemouth Bass is increasing, especially over the past three years.



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

Overall, the Largemouth Bass fishery at Taylorsville Lake has rated “Good” over its history as indicated by the red line. The Largemouth Bass population at Taylorsville Lake has been very cyclic, ranging from poor to excellent. In 2023, the overall assessment rating for the Largemouth Bass population at Taylorsville Lake was “Excellent”. Furthermore, KDFWR biologist believe the next couple of years look very promising for the Largemouth Bass fishery at Taylorsville Lake.

