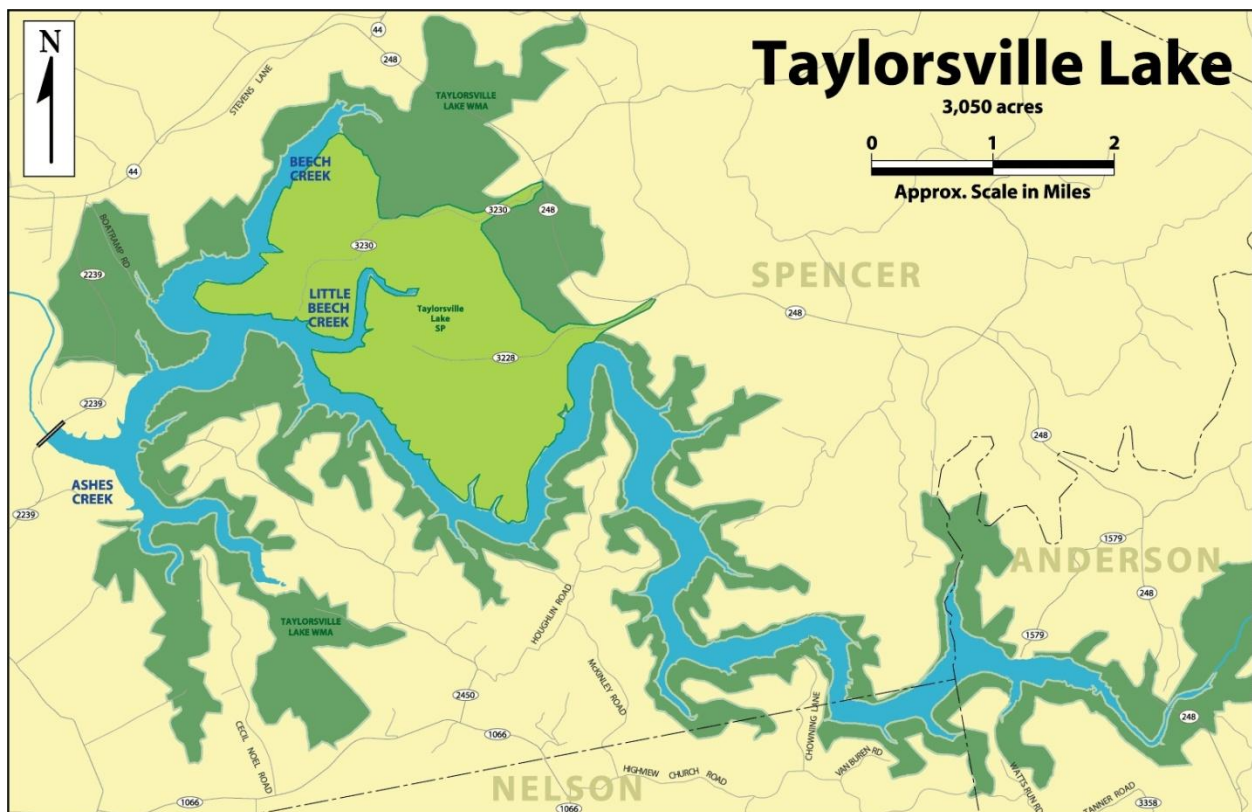


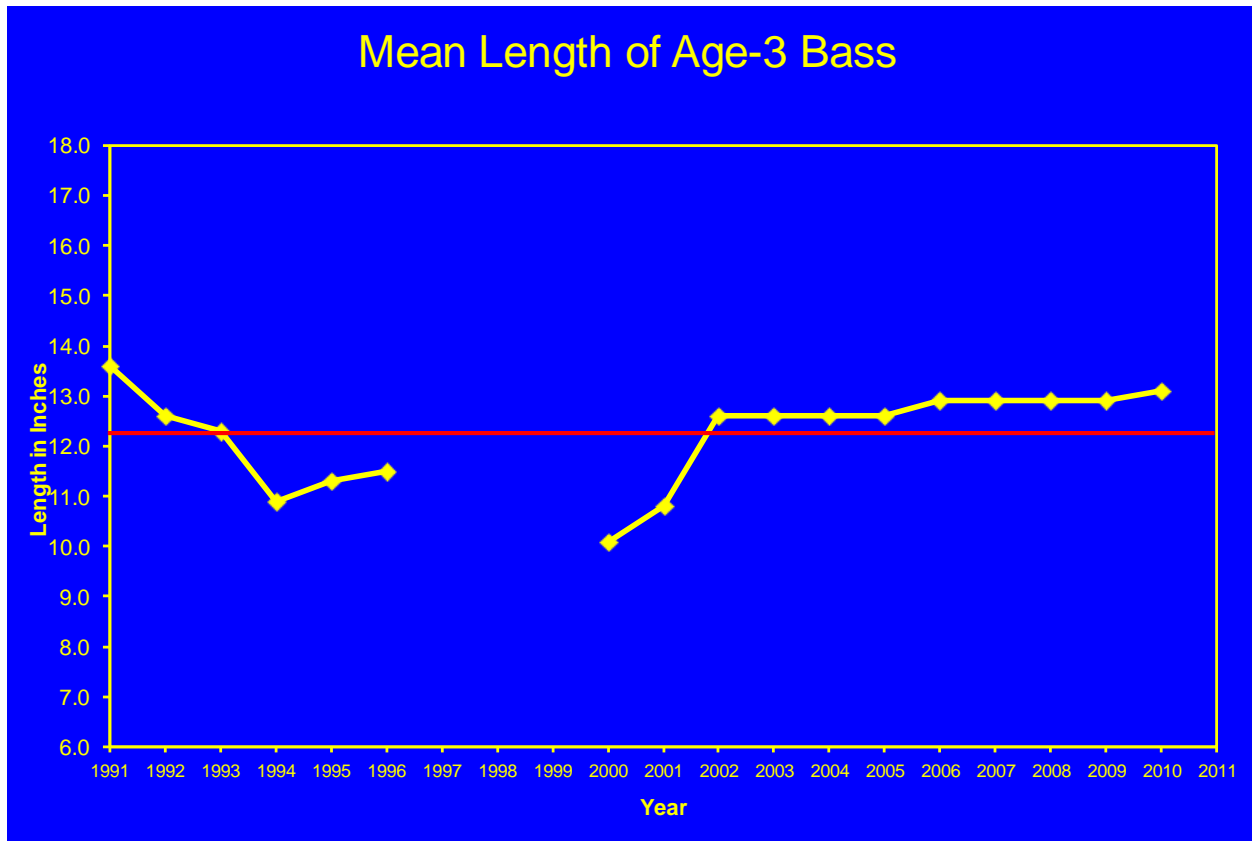
Taylorsville Lake Bass Assessment 2011

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 close proximity to Louisville and Lexington. Past creel surveys have shown that 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. Please see "Understanding the Largemouth Bass Assessment" article for an explanation of how the assessment works.



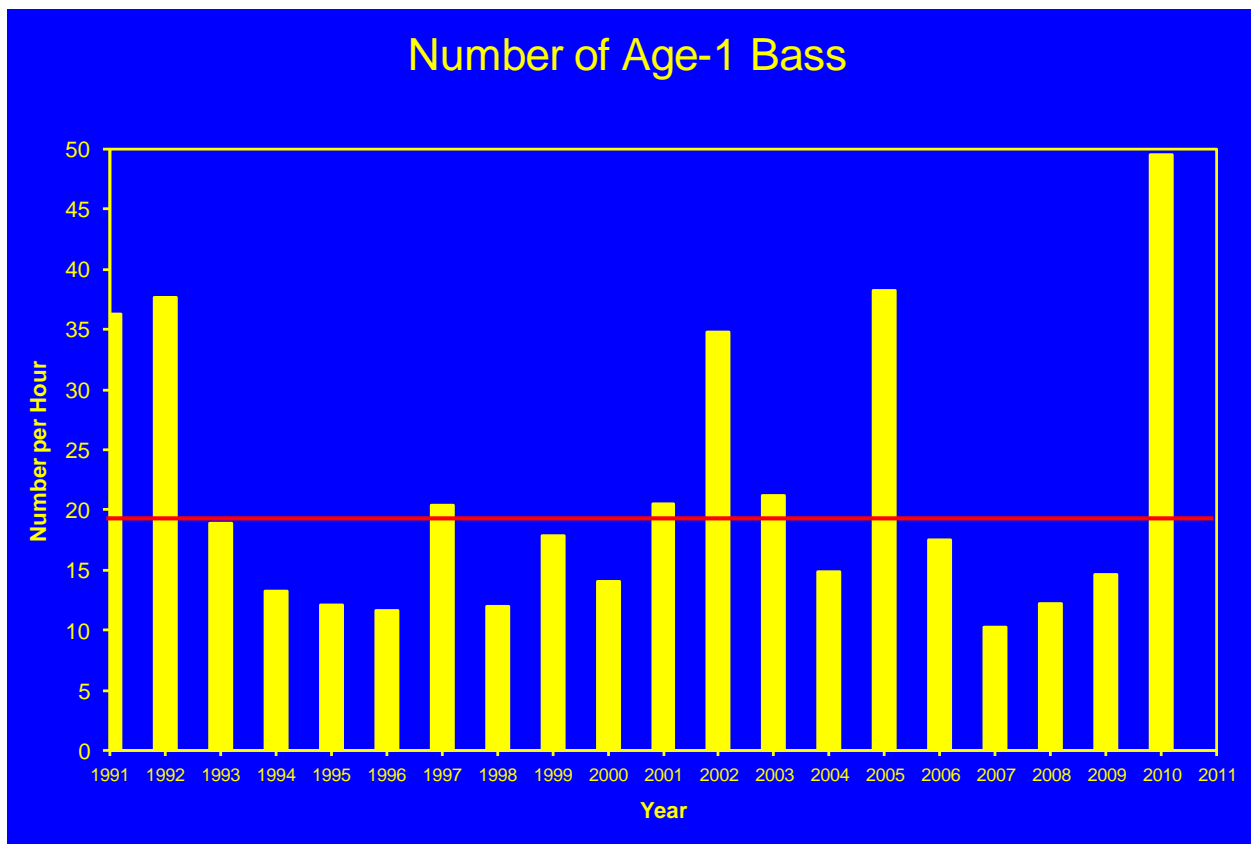
Parameter 1 – Length at age-3 (growth rate)

At Taylorsville Lake, the length of an age-3 largemouth bass has averaged slightly over 12.0-inches since impoundment and is represented by the red line. Compared to other reservoirs of a similar size, on average, largemouth bass generally exhibit good growth at Taylorsville Lake, even though the growth rate in any given year may range from poor to excellent. Growth rate can be variable and is generally related to factors such as population dynamics, food resources, and weather patterns. The last year that KDFWR aged largemouth bass at the lake was 2010. Growth during 2010 was ranked as being excellent. KDFWR biologists are planning to reevaluate the growth rates of largemouth bass at Taylorsville Lake during their 2014 spring sampling.



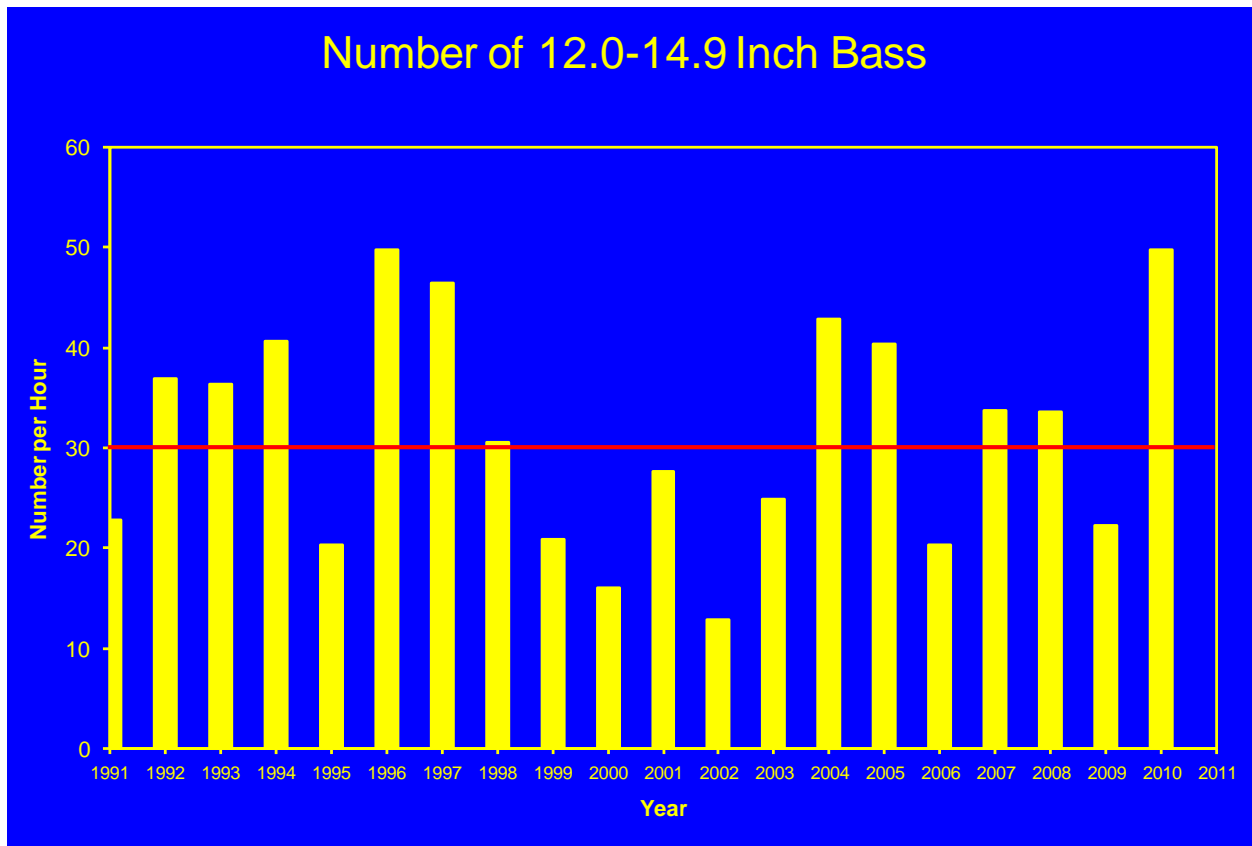
Parameter 2 – Numbers of age-1 bass (how good the spawn was)

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, age-1 largemouth bass catch rates have averaged less than 20.00 bass/hr of electrofishing as indicated by the red line and overall is ranked as being poor compared to other lakes of a 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 2010, the spring catch of age-1 largemouth bass was the highest catch for these fish in the history of the lake. This above average spawn may affect the fishery positively in the future.



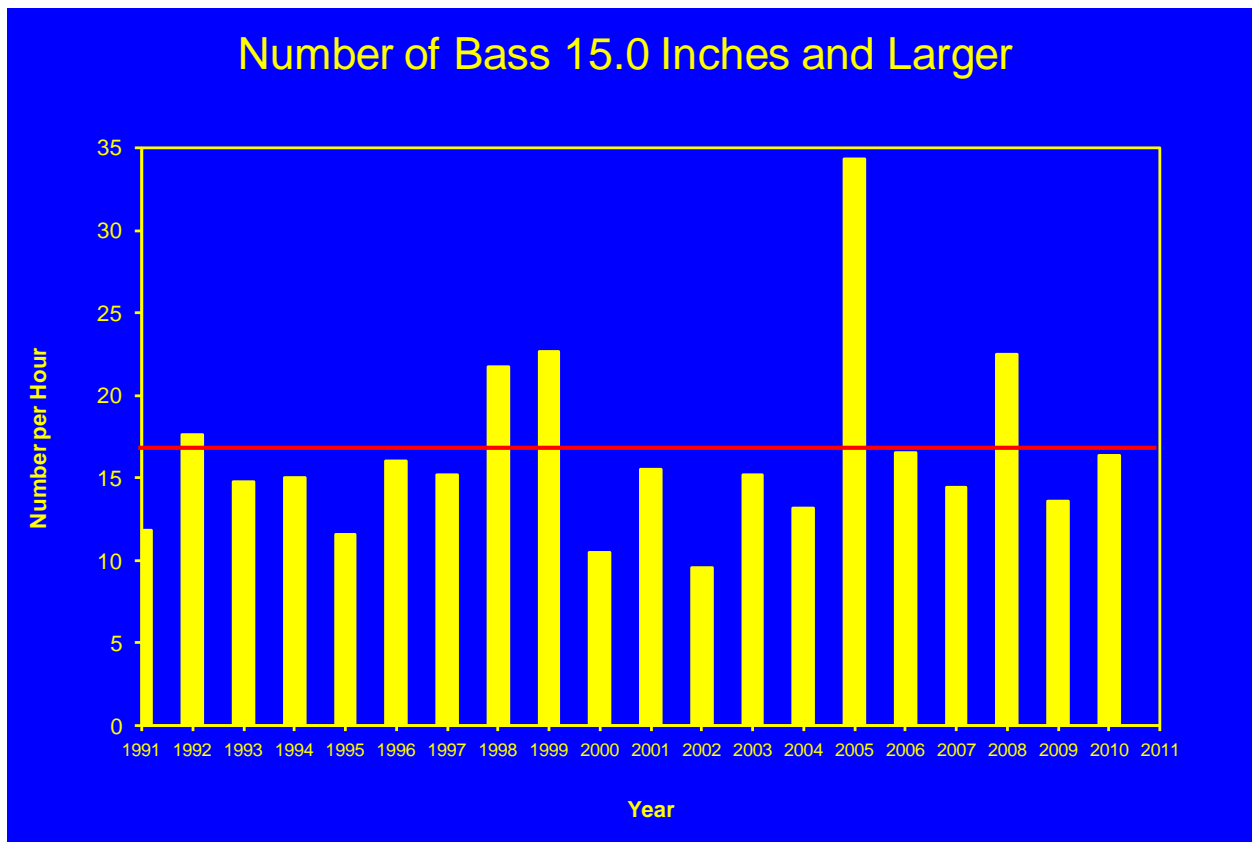
Parameter 3 – Numbers of 12.0-14.9 inch bass

The electrofishing catch of 12.0-14.9 inch largemouth bass has averaged around 30.00 fish/hr over the years as indicated by the red line. As compared to other lakes, this is a good catch rate for this size group of bass. Excluding 2009, KDFWR biologists have recorded good catch rates of this size group at Taylorsville Lake since 2007. This is important because these fish will grow to exceed the 15.0 inch legal size limit at the lake in the next year or two. Fishing at the lake is expected to improve over the next several years due to the good numbers of 12.0-14.9 inch fish seen in 2010.



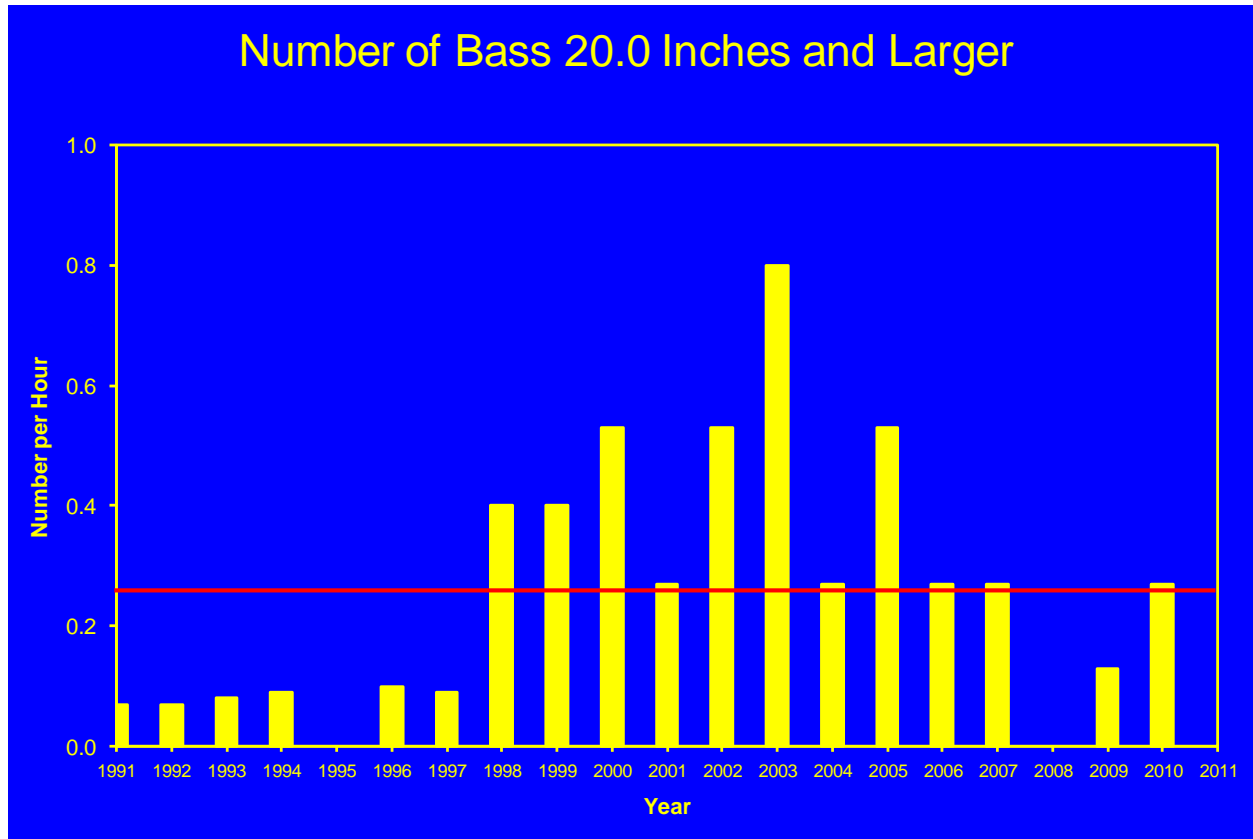
Parameter 4 – Numbers of 15.0 inch and larger bass

Electrofishing catch of 15.0 inch and larger largemouth bass have averaged over 15.00 fish/hr as indicated by the red line. Again, as compared to other lakes, this is a good catch rate for this size group. In 2010, biologist observed a good catch rate of largemouth bass in this size group. Combining what we observed with the catch rate of 12.0-14.9 inch and 15.0 inch and larger largemouth bass, the largemouth bass fishing at Taylorsville Lake looks to be very good over the next couple of years.



Parameter 5 – Numbers of 20.0 inch and larger bass

The electrofishing catch of 20.0 inch and larger largemouth bass has averaged about 0.20 fish/hr over the history of Taylorsville Lake as indicated by the red line. As compared to other lakes, this is a poor catch rate for this size group. On a positive note, the overall the catch of 20.0 inch and larger largemouth bass has increased since the early and mid-1990's.



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

Overall, the largemouth bass fishery at Taylorsville Lake has rated fair 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 2010, the overall assessment rating for the largemouth bass population at Taylorsville Lake was good. Therefore, the next couple of years look very promising for the largemouth bass population.

