



## Crump Park Lake 2010

Crump Park Lake, located on Courtney Road in Glen Allen, is owned and operated by Henrico County. The 2-acre lake is managed under the Department's Community Lakes Improvement Program (CLIP) and is stocked annually with harvestable-sized channel catfish. The lake also has self-sustaining populations of largemouth bass and sunfish. No boats are allowed, but most areas of the lake can be accessed along the shoreline.

On April 28<sup>th</sup>, 2009, the fish community of Crump Park Lake was sampled by boat electrofishing. A total of six species were collected with bluegill being by far the most abundant species collected, followed by redear sunfish, and largemouth bass (Table 1). The high catch rates for sunfish species are not uncommon for a small impoundment. The sunfish populations were dominated by small individual; only three quality-sized bluegill ( $\geq 6$  inches) were collected and no sunfish measuring 7 inches were collected. Additionally, sunfish were relatively skinny and in less than ideal condition. There is evidence (high abundance and low condition) that the sunfish in Crump Park Lake are stunted and could use some angler harvest.

The overall catch rate for largemouth bass was about average for a small impoundment, but the largemouth bass fishery in Crump Park Lake is limited. Only 8 of the 21 bass collected during the survey were adults ( $\geq 8$  inches). These adults ranged in size from 8 to 18 inches (Figure 1). Largemouth bass reproduction appears to be good with 62% of the bass collected being young fish ( $< 8$  inches). Although reproduction is good, it appears that only a small portion of these young fish are recruiting to the adult population, and fishing pressure at the lake makes these adult fish tough to catch. To protect the bass, the bass population in the lake is regulated under a minimum size limit of 18 inches with a harvest limit of one bass per day.

A number of black crappie were collected and all collected were small ( $< 6$  inches). The size of the lake is not conducive to a good crappie fishery and anglers should not expect to catch many large crappie. Finally, six channel catfish were collected during this sample which is surprising because the lake was not scheduled to be stocked until later in the summer. Many of the catfish stocked in the previous years are generally caught and harvested by anglers. Additionally, catfish are more difficult to catch with electrofishing gear. Channel catfish collected ranged in size from 9 to 16 inches (average size of 13 inches). Channel catfish continue to be stocked annually at high rates, so anglers always have a good chance of catching a few.

To fish Crump Park Lake, follow I-295 and exit onto Route 33 east. Turn left on Mountain Road, and watch for the park entrance signs on the left. The park does not have concessions, but bank fishing and picnicking are available.

For more information on Crump Park Lake, please contact:

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<b>Species</b>	<b>Number Collected</b>	<b>CPUE (fish/hour)</b>	<b>Percentage of Catch</b>
Black Crappie	4	16	1.8
Bluegill	153	612	67.7
Channel Catfish	6	24	2.7
Golden Shiner	1	4	0.4
Largemouth Bass	21	84	9.3
Redear Sunfish	41	164	18.1

Table 1. Species account and catch rates for fish collected throughout Crump Park Lake in 2009.

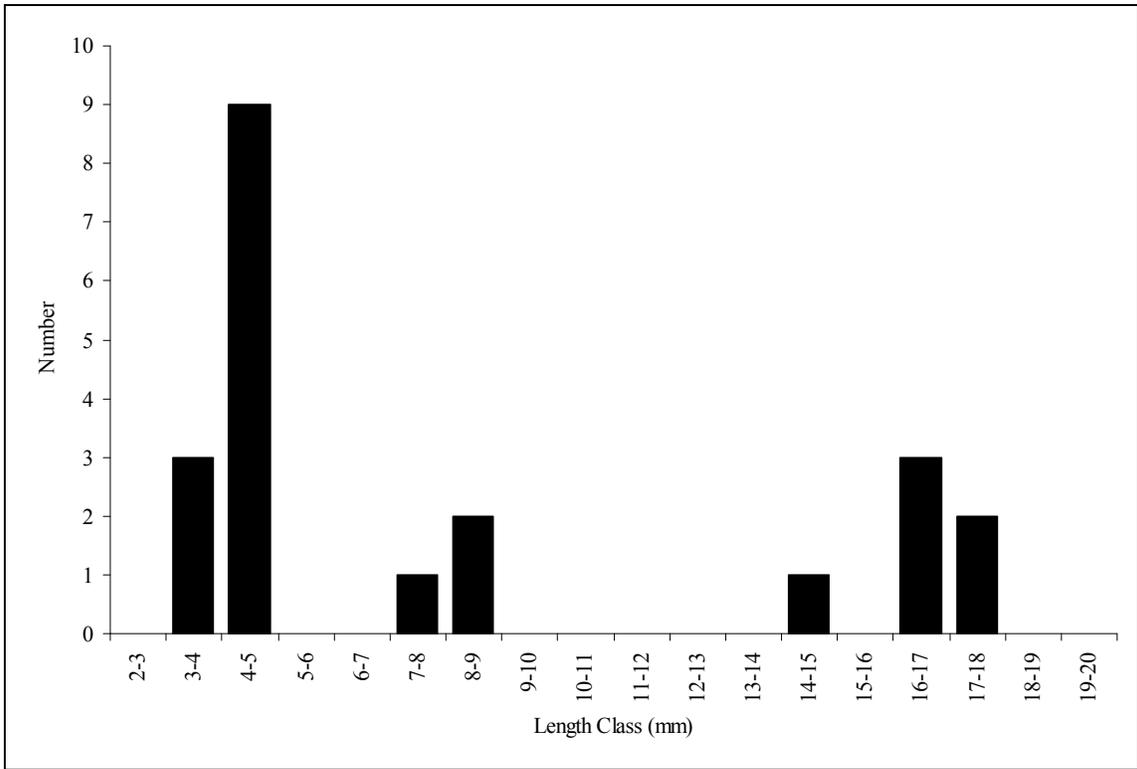


Figure 1. Length distribution of largemouth bass collected with electrofishing gear from Crump Lake Park in 2009.