

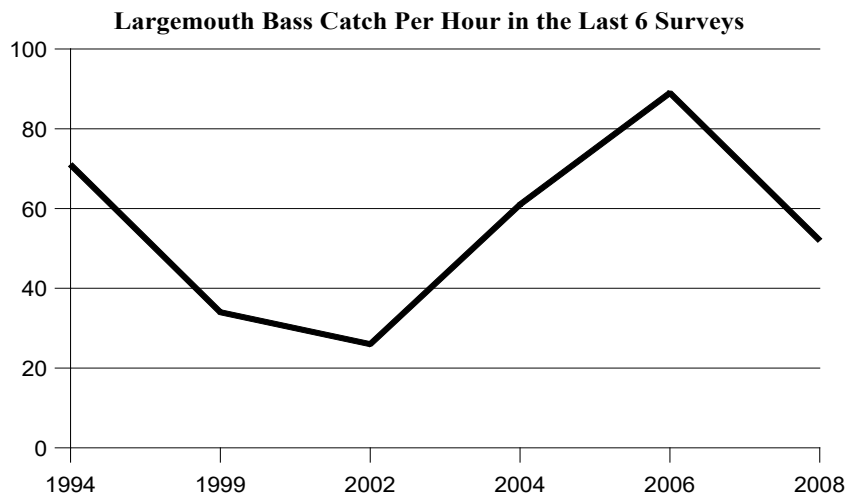
May 23, 2008  
Mr. Glenn Dalton  
# 1 Holiday Point Parkway  
Edwardsville, IL 62025

Dear Mr. Dalton,

The purpose of this letter is to summarize the results of the electrofishing survey conducted on Holiday Shores Lake on May 15, 2008. I will also compare this data to previous surveys and provide some management recommendations. The lake was sampled for 1 hour in two separate 30 minute electroshocking runs. We collected the following species and numbers:

Largemouth bass	52	Common carp	6
Bluegill	162	Gizzard shad	78
Black crappie	3	Golden shiner	2
Green sunfish	38	Warmouth	2
Yellow bass	160	Yellow bullhead	1

Largemouth bass - 52 largemouth bass were collected in one hour of shocking. This is down from 89 in the previous survey. Typically we like to see at least 60 bass per hour in this type of lake. However the drop in bass numbers from this survey is likely due to water conditions. The higher than normal rainfall this spring has caused the conductivity to drop and the turbidity to increase. These factors result in less effective shocking efficiency. The following graph shows the changes in bass numbers from the last 6 surveys.



The largemouth bass collected from this survey show a very desirable size distribution. Good numbers were collected in all size classes. 54% of the bass collected were over 15 inches. The bass collected show signs of good growth and very good condition.

<u>Largemouth Bass</u>	<u>1999</u>	<u>2002</u>	<u>2004</u>	<u>2006</u>	<u>2008</u>
0 - 12 inches	25%	51%	77%	10%	<b>23%</b>
12 - 15 inches	31%	18%	18%	19%	<b>23%</b>
15 - 18 inches	27%	21%	5%	55%	<b>37%</b>
over 18 inches	17%	10%	0%	16%	<b>17%</b>

This bass population should provide great angling opportunities for quality size fish. The only concern is the slightly low percentage of young bass collected. It appears natural reproduction of bass continues to be limited.

Smallmouth Bass - One was collected, it was approximately 7 inches and in good condition.

Bluegill - Bluegill were collected in good numbers. They ranged in size from 2 to 7 inches in length. The average size was about 5 inches. The quality of the bluegill is not great, but in lakes with gizzard shad and yellow bass present in high numbers that is to be expected.

Crappie - Only 3 black crappie were collected. They were approximately 7-8 inches. Electrofishing rarely produces accurate samples of crappie populations

Hybrid Striped Bass - None collected. We do not expect to get a good sample of these fish with an electrofishing survey. I would suspect these fish are doing well and growing well. There are plenty of gizzard shad, which is the primary food source for these fish. With periodic stocking these fish will provide good angling opportunities and help to reduce the shad population.

Channel Catfish - None collected.

Common Carp - 6 common carp were collected in this survey. Most were large fish in the 5 - 20 lb. range. These fish can provide a good angling opportunity for anyone interested in fishing for them. They can be caught on home-made dough bait or corn.

Summary and Recommendations - The water quality and a recent cold front likely limited the effectiveness of this survey. Considering this, I am pleased with the results of this survey. The slightly lower numbers of bass is likely a result of conditions and not a major concern. The largemouth bass size and condition look great. However, the bass population still shows signs of limited natural reproduction. This simply means that to maintain high numbers and quality sizes of largemouth bass periodic stocking will be necessary. We can only hope that the yellow bass numbers will decline sometime in the future and natural reproduction of largemouth bass will improve. Supplemental stockings of 6-8 inch largemouth bass, up to 25 per acre, every other year is recommended based on current conditions. It appears the recently stocked smallmouth bass have survived and are growing well. Additional stockings of this species may be considered. Continued stocking of hybrid striped bass will ensure improvement of this fishery. Supplemental stocking of channel catfish at a rate of up to 25 per acre is also a good option. Encourage harvest of yellow bass, bluegill, carp, crappie, and larger channel catfish.

If you need more information or have questions regarding this report please contact me.

Sincerely,

Fred A. Cronin  
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cc: Jim Gersman