



Illinois Department of Natural Resources

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Pat Quinn, Governor
Marc Miller, Director

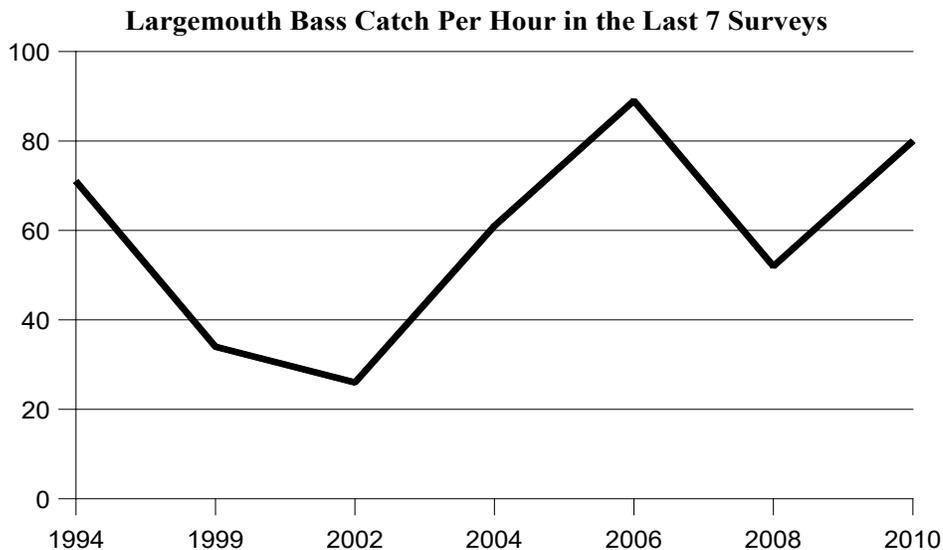
June 28, 2010
Mr. Glenn Dalton
1 Holiday Point Parkway
Edwardsville, IL 62025

Dear Mr. Dalton,

The purpose of this letter is to summarize the results of the electrofishing survey conducted on Holiday Shores Lake on May 11, 2010. 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 fish species and numbers:

Bluegill	324	Black crappie	10
Yellow bass	156	White crappie	7
Largemouth bass	80	Common carp	5
Gizzard shad	76	Yellow bullhead	2
Green sunfish	72	Channel catfish	1
Redear Sunfish	12	Smallmouth bass	1

Largemouth bass - 80 largemouth bass were collected in one hour of shocking. This is up from 52 in the previous survey. Typically we like to see at least 60 bass per hour in this type of lake, so it is good to see the number well above this goal. The following graph shows the changes in bass numbers from the last 7 surveys.



The largemouth bass collected from this survey show a very desirable size distribution. Good numbers were collected in all size classes. 43% of the bass collected were over 15 inches. The bass collected show signs of good growth and very good condition. This bass population should provide great angling opportunities for quality size fish. It is also good to see 35% under 12 inches. This suggests improved natural reproduction over the past 2 years.

<u>Largemouth Bass</u>	<u>1999</u>	<u>2002</u>	<u>2004</u>	<u>2006</u>	<u>2008</u>	<u>2010</u>
0 - 12 inches	25%	51%	77%	10%	23%	35%
12 - 15 inches	31%	18%	18%	19%	23%	23%
15 - 18 inches	27%	21%	5%	55%	37%	34%
over 18 inches	17%	10%	0%	16%	17%	9%

Smallmouth Bass - One was collected, it was approximately 8 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 - 10 black crappie and 7 white crappie were collected. They ranged from 6 to 9 inches.

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 - Only 1 collected, about 1.5 lbs.

Common Carp - 5 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 - Overall the fish population of the lake looks very healthy and balanced. I am pleased to see the largemouth bass numbers above our goal level. The size distribution and condition also look great. Periodic stocking may still be necessary to maintain a strong bass population. 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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