



# Illinois Department of Natural Resources

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JB Pritzker, Governor  
Colleen Callahan, Director

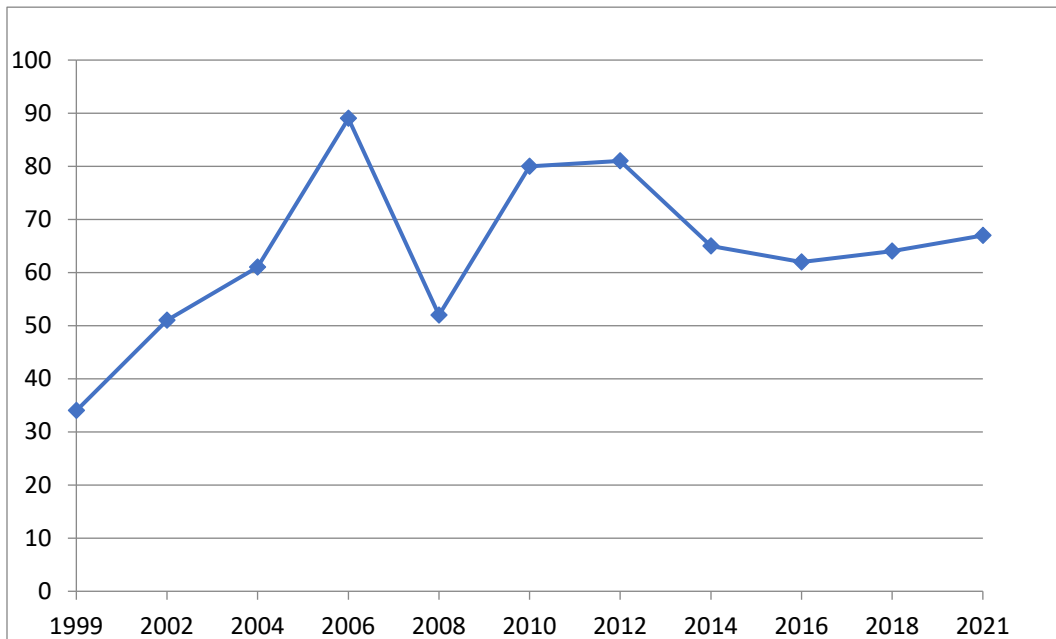
June 5, 2021  
Mr. Rob Clarkson  
# 1 Holiday Point Parkway  
Edwardsville, IL 62025

Dear Mr. Clarkson,

The purpose of this letter is to summarize the results of the electrofishing survey conducted on Holiday Shores Lake on May 19, 2021. 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 electro-shocking runs. We collected the following fish species and numbers:

Bluegill	442	White Crappie	7
Yellow Bass	370	Redear sunfish	5
Gizzard Shad	210	Black Crappie	2
Largemouth Bass	67	Channel Catfish	1
Green Sunfish	42	Common Carp	1

Largemouth bass - 67 largemouth bass were collected in one hour of shocking. This is about the same as the last 3 surveys. Typically we like to see at least 60 bass per hour in this type of lake, so we are still above this goal. The following graph shows the changes in bass numbers over the last 11 surveys.



The largemouth bass collected from this survey show good numbers of fish in all size classes. There appears to be a slight shift from the previous survey to a higher percentage of larger fish with 35% of the bass collected over 15 inches.

Largemouth Bass	2002	2004	2006	2008	2010	2012	2014	2016	2018	<b>2021</b>
0-12 inches	51%	77%	10%	23%	35%	42%	45%	37%	53%	<b>27%</b>
12-15 inches	18%	18%	19%	23%	23%	19%	25%	27%	31%	<b>37%</b>
15-18 inches	21%	5%	55%	37%	34%	27%	15%	19%	11%	<b>25%</b>
over 18 inches	10%	0%	16%	17%	9%	12%	15%	16%	5%	<b>10%</b>

Bluegill - Bluegill were collected in good numbers. They ranged in size from 1 to 8 inches in length with a fair number over 7 inches. The average size was 5.9 inches. The bluegill population is decent for numbers and quality.

Redear Sunfish – The redear sunfish look good. 5 were collected. They were all 8.5–9.5 inches with an average length of 9 inches. It is good to see the great growth of these fish.

Crappie – Few crappie were collected. Only 7 white crappie and 2 black crappie were collected. They were all about 7.5 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 was collected. It was over 21 inches and almost 5 lbs.

Flathead Catfish – No flathead catfish were collected in the 2021 survey.

Common Carp – 1 was collected and several more observed, all very large. 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 healthy and balanced. The largemouth bass numbers are about the same as the previous 3 surveys and remain above our goal level. The size distribution and condition also look good. After several years of low numbers the yellow bass appear to be back in high numbers. This may lead to reduced reproduction of the largemouth bass in the next few years. The redear sunfish collected this year were impressive and it shows they will grow to very desirable sizes. Continued stocking of this species would benefit this developing quality panfish population. Continued stocking of hybrid striped bass will ensure improvement of this fishery. Continued supplemental stocking of largemouth bass is still an option. Supplemental stocking of channel catfish at a rate of up to 25 per acre is also a good option. Encourage harvest of bluegill, yellow bass, 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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