

LAKE MANAGEMENT STATUS REPORT

DATE OF REPORT: 6/28/2024 FISHERIES MANAGER: ROB HILSABECK
DISTRICT NO.:4 LAKE NAME: Blandinsville South COUNTY:McDounough
WATER NO.: 4038 OWNERSHIP: Public-Coop ACREAGE: 8.0

D.F.M.	Date	R.F.M.	Date
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1. 1. All Fish - 2 pole and line fishing only.
Large or Smallmouth Bass:
- Protected Slot Length Limit with 1 fish greater than or equal to 15 inches and/or 2 fish less than 12 inches daily.
Bluegill or Redear Sunfish:
- 6 Fish Daily Harvest Limit

2.

IDNR Fisheries completed annual fall electrofishing survey on 10/20/2023.

A cooperative fish management agreement was completed between the city of Blandinsville and IDNR Fisheries in 2017.

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Blandinsville South LAKE

3. Lake Management Plan Progress Table:									
	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	2021	2023	LMP
Largemouth Bass									Objectives
Stock #	44	39	104	66	151	93	121	9	
PSD	64	46	35	32	15	29	65	67	40-60
RSD14	36	5	15	11	7	7	9	22	
RSD15	36	5	13	11	5	4	4	11	
RSD16	32	0	9	9	5	2	2	0	
RSD18	21	0	6	6	2	0	0	0	5-10
Wr	95	87	92	98	90	93	92	99	90-110
YAR	.1	.9	.9	2.9	5	0	.2	67	
CPUE (f/min)	2.2	1.6	6.1	2.6	6.6	4.7	6.1	.4	1/min
EFFORT	20	25	17	25	23	20	20	25	minutes
Bluegill									
Stock #	61	139	118	36	45	60	47	50	
PSD	21	22	18	86	100	98	53	38	20-40
RSD7	0	0	1	0	11	48	28	16	
RSD8	0	0	0	0	0	10	0	0	1-5
Wr	86	83	87	82	90	96	90	90	90-110
CPUE (f/min)	3.0	5.6	1.7	1.4	2.0	3	2.4	2	
Redear Sunfish									
Stock#	0	2	0	0	0	0	0	0	
PSD	0	50	0						30-50
RSD9	0	0	0						
Wr		89							90-100
CPUE (f/min)		.08	0						
Black Crappie									
Stock#	8	2	0	1	3	1	1	2	30-50
PSD	100	100	0	100	100	100		100	
RSD9	100	100	0	100	100	100		100	
RSD10	100	0	0	100	66	100		50	20-40
RSD11	63	0	0	100	66	0		50	5-10
Wr	83	84		83	87	96		96	90-100
CPUE (f/min)	.4	.1	0	.04	.13	.05	.05	.08	

Channel Catfish									
Stock#	0	0	2	0	1	0	0	0	
PSD			100		100				40-60
RSD18			100		100				10-20
Wr			122		119				90-100
CPUE (f/min)			.1		.04				

4. In 2023, a fall D.C. electrofishing survey was used to evaluate the fish population. The largemouth bass population was evaluated by 9 stock size bass from electrofishing.

The largemouth bass population appears to be defined by a very low density of fish from 6 to 15 inches in length, and a very high percentage of young of the year fish under 5 inches in length. The submerged aquatic vegetation level was approximately 80%. The submerged vegetation control will continue to be a challenge to manage in this water supply reservoir for water quality and for fish management.

The current bass regulation should remain in place for 2024. And the harvest of bass under 12 inches can be encouraged to help thin this part of the population.

The bluegill population was sampled by 50 fish in fall electrofishing survey. The current bluegill population is rated as average with a few fish sampled up to 7.5 inches in length. The population appeared to be improving in 2020 with 48% of the sample over 7 inches in length, but it has declined since then. This population is of high density and in average body condition with a Wr average of 90.

The redear sunfish population was sampled by 0 fish in the fall 2017 thru 2020 electrofishing surveys. This population is found in a very low density. A brood stocking maybe the next step to reestablish a population.

In 2023, the black crappie population was sampled by 5 fish and no white crappie in the fall electrofishing survey. The black crappie were up to 11 inches in length and the body condition was good at a Wr of 96. No harvest or length limit is necessary currently for the crappie population.

The channel catfish population was sampled by no fish in the fall electrofishing survey in 2023. A stocking of NVCC size channel catfish is the next step to reestablish a population.

Recommended Lake Management Activities with Rationale for Implementation:

Supplemental stocking is required for the following species due to no natural recruitment currently occurring in Blandinsville South Lake.

Channel Catfish: 80 every year at 8 inches which is 10/acre.

Biological Surveys - Conduct annual surveys to measure trends in fishery population dynamics, angling regulations and progress toward management goals. In the fall, utilize D.C. electrofishing to sample a target number of at least 50 stock-size largemouth bass, black crappie, bluegill, redear and channel catfish populations.

Aquatic Vegetation Control -apply aquatic herbicides as needed to manage exotic or nuisance aquatic plants for fishing access or sportfish management. In 2024, apply Sonar herbicide at the rate of 3 quarts in early spring. The submerged rooted plant control will allow the bass the opportunity to prey upon the panfish.