

LAKE MANAGEMENT STATUS REPORT

DATE OF REPORT: 6/28/2024 FISHERIES MANAGER: ROB HILSABECK
DISTRICT NO.:4 LAKE NAME: Blandinsville North COUNTY:McDounough
WATER NO.: 4039 OWNERSHIP: Public-Coop ACREAGE: 4.5

D.F.M.	Date	R.F.M.	Date
---------------	-------------	---------------	-------------

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.

Channel Catfish:

- 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.

Blandinsville stocked YOY walleye in the fall of 2019. It was reported that some mortality occurred due to warm water temperatures at stocking time.

LAKE MANAGEMENT STATUS REPORT
Blandinsville North 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	2022	2023	LMP
Largemouth Bass										Objectives
Stock #	27	82	65	30	54	92	96	82	98	
PSD	67	26	35	57	32	34	21	48	74	40-60
RSD14	15	13	19	13	13	7	3	6	12	
RSD15	15	10	17	10	4	7	2	4	3	
RSD16	15	9	14	10	0	2	2	4	2	
RSD18	11	5	8	10	0	2				5-10
Wr	90	94	92	91	86	89	87	93	96	90-110
YAR	2.3	1.3	2.0	.5	.8	.7	.2	.09	.1	
CPUE (f/min)	1.4	2.9	2.8	1.2	2.3	3.8	3.6	2.7	3.9	1/min
EFFORT	20	28	23	25	23	24	27	30	25	minutes
Bluegill										
Stock #	74	98	170	29	93	77	73	270	220	
PSD	22	14	30	59	22	25	90	76	68	20-40
RSD7	3	2	1	24	5	1	19	64	57	
RSD8	0	1	0	0	0	0	0	1	23	1-5
Wr	89	85	85	84	89	86	87	99	99	90-110
CPUE (f/min)	3.7	3.5	7.4	1.2	4.0	3.2	2.7	9	8.8	
White Crappie										
Stock#	1	7	2	2	1	1	1	0	0	
PSD	100	100	100	50	100	100	100			30-50
RSD9	0	43	50	50	100	100	100			
RSD10	0	29	50	0	0	100	100			
RSD11	0	29	0	0	0	0	100			
Wr	92	79	82	80	84	90	100			90-100
CPUE (f/min)	.05	.3	.09	.08	.04	.04	.04			
Black Crappie										
Stock#	3	2	28	8	15	6	10	6	8	30-50
PSD	67	50	100	50	87	100	100	100	100	
RSD9	33	0	4	38	40	100	100	100	75	
RSD10	0	0	0	13	0	33	90	100	25	20-40
RSD11	0	0	0	0	0	0	40	100	25	5-10
Wr	92	92	86	85	87	97	92	93	94	90-100

CPUE (f/min)	.2	.1	1.2	.3	.7	.3	.4	.2	.3	
	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	2021	2022	2023	
Channel Catfish										
Stock#	5	18	4	0	2	0	4	2	1	
PSD	0	56	75		100		100	100	100	40-60
RSD18	0	0	0		100		100	100	100	10-20
Wr	90	86	88		87		107	101	101	90-100
CPUE (f/min)	.3	.6	.2		.09		.15	.07	.04	

4. In 2023, a fall D.C. electrofishing survey was used to evaluate the fish population. The largemouth bass population was evaluated by 98 stock size bass from electrofishing.

The largemouth bass population appears to be defined by a high percentage of fish from 3.9 to 15 inches in length. The average Relative weight was very good at a value of 96. The bass population appears to have a high density and rapid recovery from the winter kill of 2013/2014.

The current bass regulation should remain in place for 2024. And the harvest of bass under 12 inches should be encouraged. But in the future, we may want to consider protecting the population to 18 inches.

The bluegill population was sampled by 220 fish in the fall electrofishing survey. The current bluegill population is rated as excellent with 23% of the fish sampled over 8 inches in length. This population is of high density and in good body condition with a Wr average of 99.

No redear sunfish were sampled in 2015 thru 2020. A brood fish stocking occurred in 2022, and 4 fish were sampled in 2023. Redear sunfish up to 10 inches are now present in a low density.

In 2023, the white and black crappie populations were sampled by no white crappie and 8 black crappie. The size ranged from 4.4 to 13.3 inches in length and the body condition was good at a value of 94. No harvest or length limit is necessary currently for the crappie population. The harvest of the numerous black crappie should be encouraged to lower their density.

In 2023, the submerged vegetation coverage was less than light band of southern naiad and coontail. This level of submerged aquatic plants is just right.

The channel catfish population was sampled by 1 large fish in the fall electrofishing survey in 2023. An annual NVCC size stocking is the next step to reestablish this 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 North Lake.

Channel Catfish: 50 fish 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 - Evaluate the submerged aquatic vegetation coverage in mid-May and apply an application of aquatic herbicides as needed to manage exotic or nuisance aquatic plants for sportfish management.

An intentional fall drawdown of 2 to 3 feet in the fall (September thru November) can occur if it is compatible with the water plant usage. This drawdown will allow the bass population to apply effective predation upon the panfish.