

**LAKE MANAGEMENT STATUS REPORT**

Date of Report: 12/30/2024	Fisheries Manager: Brennan Caputo	District: 1
Lake Name: Belvidere City Pond West	County: Boone	Water No: 11034
Ownership (STATE, PUBC, PUBO): Public Co-op City of Belvidere		Acreage: 5.0

LM STATUS REPORTS WILL INCLUDE THE FOLLOWING SECTIONS:

1. List of the Sport Fish Regulations in Effect
2. Listing of Stocked Fish
3. Fish Surveys
4. Lake Management Plan Progress Table
5. Recommendations for Observed Problem Trends

**1. SPORT FISH REGULATIONS IN EFFECT:**

Large or Smallmouth Bass . . . . . 1 Fish Daily Creel Limit (14" Minimum Length Limit)

**2. FISH STOCKING:**

2024:				
09/10/2024	Channel Catfish	2352	4.1"	Little Grassy Hatchery
2022:				
08/30/2022	Channel Catfish	135	8.0"	Jake Wolf Hatchery

**3. FISH SURVEYS:**

09/12/2024: Fall Community Sample  
 Tri-annual electrofishing survey using one DC electrofishing boat for 1 run, 10 minutes of total electrofishing time utilizing 1 dipper. Water temp was 70.7 F. A total of 56 fish were sampled from 3 species.

**4. LAKE MANAGEMENT PROGRESS TABLES:**

**Largemouth Bass:**

A total of 16 Largemouth Bass were collected ranging from 215 – 363 mm (8.5 – 14.3 in), with 16 of those fish ≥ Stock size (200 mm [7.1 in]). This survey did not meet the minimum required number of fish > Stock size (n = 30) to accurately quantify population demographics as set forth in the Lake Management Plan (LMP). This could be due to the large amount of aquatic vegetation on the lake and the low water level at the time of sampling. This lake will be reevaluated in 2027 to see if a supplemental stocking is needed.

Lake Management Plan:	Goal	2021	2024
# Stock (200mm)	>100	8	16
PSD	40-60	40	N/A
RSD 14	30-40	16	N/A
Wr	90-100	91	91

Fall diurnal DC electrofishing CPUE (fish/hr.) of each length group of Largemouth bass collected.

<u>Year</u>	<u>&lt;7.9"</u>	<u>7.9-11.8"</u>	<u>11.8-15"</u>	<u>15.1-20.1"</u>	<u>&gt;20.1"</u>	<u>Total</u>
2021	24	92	40	20	0	176
2024	0	40	24	0	0	64

**Bluegill:**

A total of 38 Bluegills were collected ranging from 30 – 184 mm (1.2 – 7.2 in), with 12  $\geq$  Stock size (80 mm [3.1 in]). This survey did not meet the minimum required number of fish > Stock size (n = 30) to accurately quantify population demographics as set forth in the Lake Management Plan (LMP). This could be due to the large amount of aquatic vegetation on the lake and the low water level at the time of sampling. This lake will be reevaluated in 2027 to see if a supplemental stocking is needed.

<u>Lake Management Plan: Goal</u>	<u>2021</u>	<u>2024</u>
#Stock(80mm)	>100	6 12
PSD	20-40	50 N/A
RSD 7	15-30	19 N/A
Wr	90-100	94 92

Fall diurnal DC electrofishing CPUE (fish/hr.) of each length group of Bluegill collected.

<u>Year</u>	<u>&lt;3.1"</u>	<u>3.1-5.9"</u>	<u>5.9-7.9"</u>	<u>7.9-9.8"</u>	<u>Total</u>
2021	24	72	68	4	168
2024	104	4	44	0	152

**5. RECOMMENDATIONS FOR OBSERVED PROBLEM TRENDS:**

1. Herbicide aquatic vegetation in early Spring to improve Largemouth forage
2. Placement of habitat in the lake could aid bass in feeding on smaller bluegill
3. Continue fish population surveys on a routine basis