



Anna City Lake

2023 FISHERIES STATUS SUMMARY

LOCATION: Anna City Lake is located in Anna, IL in Union County. The lake is located within Anna City Park.

DESCRIPTION: Anna City Lake is a 3-acre pond managed for recreational fishing. The perimeter of the pond is mowed often to provide easy access for anglers. The lake is largely devoid of complex fish habitat, such as aquatic plants and fallen trees.

STATUS OF THE SPORT FISHERY – Anna City Lake is primarily managed to provide a quality fishery for Bluegill and Redear Sunfish. Ideally, the lake would contain Bluegill and Redear Sunfish over 8 inches in length. However, all fish species appear to grow poorly in Anna City Lake. I suspect the lake may have been treated with Karmex (Diuron) by a local resident during 2020 or summer 2021, as aquatic plants that were present around the shoreline in previous years had been annihilated by the time the 2021 fall survey was conducted. Karmex is illegal to use in aquatic systems because it kills all photosynthetic life, including phytoplankton which constitute the base of the food web in aquatic systems. Therefore, fish often grow slowly or starve in ponds treated with Karmex. Future surveys will continue to monitor the fish population as it hopefully recovers. The following is a summary of game fish populations based on a 10-minute community electrofishing survey conducted during fall of 2022 by IDNR:

Bluegill – During the 2022 fall survey, only 22 Bluegill were collected, ranging in length from 1.7 to 7.1 inches. Body condition continues to be very poor at 79, which is well below the management goal of 90 and indicates poor growth. In summary, Bluegill growth appears to be stunted but the population does not seem overabundant.

Redear Sunfish – A total of 14 Redear were collected during the fall survey, ranging in length from 2.4 to 9.5 inches. Body condition was better than Bluegill at 85 but was still below the management goal of 90. Redear have an advantage over Bluegill as they can feed upon mollusks (aquatic snails and clams), while Bluegill cannot. In summary, Redear growth is slightly better than Bluegill, but is still relatively poor.

Largemouth Bass – A total of 34 Largemouth Bass were collected during the 10-minute electrofishing survey. The high bass catch rate of 204/hour is considered desirable for a small pond where quality panfish are desired. Bass ranged in length from 5.2 to 12.1 inches. Body condition was relatively good for a small pond at 94. In summary, the Largemouth Bass population is acceptable for a small pond managed for quality Bluegill and Redear. The goal is to have an abundance of small bass that thin the Bluegill and Redear population to improve their growth rates.

Channel Catfish – No Channel Catfish was collected during the survey. Two were observed while electrofishing but not captured. IDNR began annual stockings of Channel Catfish during 2020. This fishery should continue to develop as annual stockings continue.

Current vs. Recommended Fishing regulations:

Species	CURRENT REGULATIONS	
	Creel Limit	Minimum Length Limit
Channel Catfish	6	none
Bluegill or Redear Sunfish	10	8 inches
Largemouth Bass	3	15 inches
All Fish	2 Pole and Line Fishing Only	

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