



BRIMFIELD LAKE

CITY OF BRIMFIELD

FISHERIES STATUS SUMMARY

LOCATION: Brimfield Lake is located in Peoria County on the south edge of town near the baseball field and Interstate 74.

DESCRIPTION : Brimfield Lake is a borrow pit of 8.4 acres in size with a maximum depth of 22 feet. The majority of the shoreline is accessible to anglers. The water clarity averages over 10 feet.

Status of the Sport Fishery: In 2019, a fall D.C. boat electrofishing survey was used to evaluate the fish population with assistance from the Brimfield High School Biology Class. Aquatic vegetation control was completed in the spring of 2019.

Largemouth Bass: The largemouth bass population was evaluated by 38 bass from electrofishing. The largemouth bass population appears to be defined by a high percentage of fish from 3 to 15 inches in length. The body condition of these fish was only average with a Relative weight value of 89. The collection rate was .7 fish per minute.

Bluegill: The bluegill population was sampled by 40 fish in fall electrofishing survey. They ranged in size from 2.5 to 7 inches in length with an average body condition rating of 94. The current bluegill population is rated as good. A future improvement in the bass population size structure and annual aquatic vegetation control should help the bluegill size structure.

Black Crappie: One black crappie was sampled at 7.7 inches, and they are present in a low density.

Redear Sunfish: 4 redear sunfish were sampled from 3.9 to 12.6 inches in length. The average body condition of these fish was good with a Wr value of 92.

Channel Catfish: The channel catfish population was sampled by 3 fish at 16 to 17.5 inches in length. A low density population is present.

Fishing Regulations:

<u>Species</u>	<u>Size Limit</u>	<u>Creel Limit</u>
Large or Smallmouth Bass	15" minimum	1 fish/day
Channel catfish	12" minimum	6 fish/day

All fish 2 Pole and line fishing only.

CONTACT INFORMATION:

IDNR Fisheries County Fish Biologist: (309) 446-9143.
Illinois Fishing Information booklet and IFISHILLINOIS website <http://www.ifishillinois.org/>

