



IDNR Fisheries Lake Status Summary Greenfield City Lake

Location: Greenfield City Lake is in southeastern Greene County, one half mile east of Greenfield, Illinois. The lake is south of Chestnut Street and the boat ramp can be found from Rives Lake Drive.

Area: 58.8 acres; shoreline length 2.7 miles; maximum depth 21 feet; and average depth 10.01 feet.

Lake history and characteristics: Greenfield City Lake is under cooperative management between the Illinois Department of Natural Resources and the City of Greenfield. Greenfield City Lake is located within Patriot's Park and has a trolling motor only motor size limit. There is one gravel ramp on the northwest end of the water body. Bait and tackle can be acquired in Greenfield. Boat Stickers can be purchased from Midtown Mart at 501 Main Street. Camping, and picnicking are available on site.

Largemouth Bass: The 2021 survey yielded a catch rate of 172 Largemouth Bass per hour of electrofishing. Bass measured from 7.3-19.8" and weighed up to 4.0lbs. In 2019, the Largemouth Bass catch rate (CPUE=282) was very high and almost exceeded the highest recorded catch rate of 311 bass per hour, which occurred in 1995. This lake has consistently produced bass catch rates of over 100 fish/hour of electrofishing. The 2019 survey catch rate (CPUE=282) was more than double the 2017 catch rate (CPUE=124). 66% of the Largemouth Bass sampled in 2021 ranged from 10-14". The high density of bass in the 10-14" size range is keeping panfish numbers in balance and is promoting better panfish quality.

Bluegill: The 2021 survey showed a lower catch rate of Bluegill (CPUE=92), however more Preferred size fish were sampled and mean relative weights were excellent (Wr=110.5). 13.3% of the catchable Bluegill fishery exceeded 8".

Redear Sunfish: Redear Sunfish were collected at rate of 22 fish/hour of electrofishing in 2021. Fish ranged from 7.0-8.1". The Redear Sunfish structural indices are improving. All fish sampled were 7" (PSD=100.0) and some measured over 8" (RSD8=18.8). Mean relative weights remain high (Wr=104.8).

Black and White Crappie: Both White and Black Crappie are present in this lake. In 2021, 25 White Crappie and 1 Black Crappie were collected. White Crappie collected ranged from 6.9-10.4", and the single Black Crappie collected measured 8.8". 36% of the catchable sized White Crappie collected in 2021 exceeded 9" and 8% exceeded 10". The dense Largemouth Bass population should help keep these two species from overpopulating. Anglers should be encouraged to harvest crappie species.

Channel Catfish: Three Channel Catfish were collected in 2021. These fish ranged from 10.5-15.5".

Other fish species: Other species present in this lake include Bluegill x Green Sunfish Hybrid, Bluegill x Redear Sunfish Hybrid, Common Carp, Golden Shiner, and Green Sunfish.

Fishing Regulations: see the Illinois Fishing Information Booklet or www.IFISHILLINOIS.org for updates.

- Two pole and line fishing only and each pole must not have more than 2 hooks or lures attached while fishing.
- Largemouth Bass – 1 Fish greater than or equal to 15” and/or 5 Fish less than 12”, 6 Fish Daily Harvest Limit.
- Bluegill or Redear Sunfish – 25 Fish Daily Harvest Limit.
- Channel Catfish – 6 Fish Daily Harvest Limit.

Aquatic vegetation and/or chemical treatment:

- None

Fisheries Management Activities Completed:

- Conducted a spring population survey utilizing a standard sampling protocol. (1 – 30 min pulsed DC electrofishing run) 5/20/2021. 201 fish were collected, representing 9 species and two hybrid groups. Water temperature was 68.7F.
- Hatchery stocked 1,584 7.2” Channel Catfish on 8/6/2020.
- Conducted a spring population survey utilizing a standard sampling protocol. (1 – 30 min pulsed DC electrofishing run) 5/21/2019. 248 fish were collected, representing 8 species and two hybrid groups. Water temperature was 65.6F.
- Collected flesh samples from Largemouth Bass and Common Carp to submit to the Illinois Environmental Protection Agency on 5/21/2019.
- Hatchery stocked 1,479 7.3” Channel Catfish on 8/6/2018.
- Conducted a spring population survey utilizing a standard sampling protocol. (1 – 30 min AC electrofishing run) 5/11/2017. 211 fish were collected, representing 6 species. Water temperature was 68.0F.