



IDNR Fisheries Lake Status Summary Bunker Hill City Lake

Location: Resides in south-central Macoupin County, 2 miles northwest of Bunker Hill, Illinois.

Area: 11.0 acres; shoreline length 0.7 miles; watershed 430 acres; maximum depth 28 feet; average depth 12 feet.

Lake history and characteristics: Bunker Hill City Lake is under a cooperative management agreement between The Illinois Department of Natural Resources, and the City of Bunker Hill. This agreement was forged on May 7, 1987 to improve fishing opportunities for the angling public. Bunker Hill City Lake has a trolling motor only motor size limit. There is one gravel ramp on the north end of the impoundment. Bait and tackle can be acquired in Bunker Hill. The Lake resides within James Bertagenolli Park.

Largemouth Bass: In 2017, 39 Largemouth Bass ranging from 4.7-19.7" were collected. 11% of Largemouth Bass exceeded 15", and 2.9% exceeded 18". Fish less than 6" were collected suggesting that natural reproduction is occurring. Most bass ranged from 8-12". The size structure of this bass fishery is not excellent; however, this is not a concern for this lake. This lake has historically been a respectable panfish lake, so having a high density of small bass should help maintain a quality panfish fishery.

Bluegill: Bluegill ranged from 2.8-8.7". Twenty-two fish (40.7%) were over 7". Eight fish (14.8%) exceeded 8". Bluegill in this lake have excellent body condition ($Wr=103$). The abundant bass population should keep the bluegill fishery under control.

Black and White Crappie: Black and White Crappie are in this lake; however Black Crappie are the dominant species in our surveys. Only 2 White Crappie were collected in 2017. Seven Black Crappie were collected ranging from 9.8-12.2". These species are very prolific and can stunt out quickly if they have a successful spawn. The crappie fishery appears to be in balance currently.

Channel Catfish: One Channel Catfish was collected, measuring 14". It's not uncommon to get a small sample of Channel Catfish as they often inhabit deeper waters outside the range of our sampling effectiveness during the daytime. Channel Catfish were stocked in 2017 and 2019. IDNR will continue to stock Channel Catfish as hatchery production allows.

Other fish species: Other species collected during the population survey included Common Carp 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.
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) 5/10/2017. 108 fish were collected, representing 7 species. Water temperature was 77F.
- Hatchery stocked 220 9.3" Channel Catfish on 9/8/2017.
- Hatchery stocked 154 7.5" Channel Catfish on 7/30/2019.