

Duman Lake

Cambria County

May 2022 Trap Net and Night Electrofishing Survey

Duman Lake is a 21-acre Pennsylvania Fish and Boat Commission (PFBC) owned lake located next to [Duman Lake County Park](#) in northwestern Cambria County. Boats with electric motors are permitted on the lake and a launch ramp is located on the west shore near the dam. The lake is stocked with adult trout once preseason, twice in-season, and once in the fall. It also contains populations of warmwater and coolwater gamefish and panfish. Duman Lake is managed under the [Big Bass Program](#) for bass. [Commonwealth Inland Waters regulations](#) are used to manage all other fish populations in the lake. Biologists from the Area 8 Fisheries Management Office in Somerset surveyed the lake in May 2022 using three overnight trap net sets and two night electrofishing runs to assess the warmwater and coolwater fisheries.

Largemouth Bass were targeted during the night electrofishing survey. A total of 44 Largemouth Bass were captured, 21 of which were over 12 inches and 5 over 15 inches (Table 1). Catch rates of Largemouth Bass for total number of fish, fish over 12 inches, and fish over 15 inches were 64, 30, and 7 fish per hour, respectively. The bass population has shown an improvement from previous surveys in 2001 and 2012 and should provide quality angling opportunities for bass (Figure 1).

Table 1. Length and frequency distribution of sampled fish from night electrofishing at Duman Lake in May 2022.

Species	Number caught	Size range (inches)	Comment
Largemouth Bass	44	4 - 18	48% ≥ 12 inches 11% ≥ 15 inches

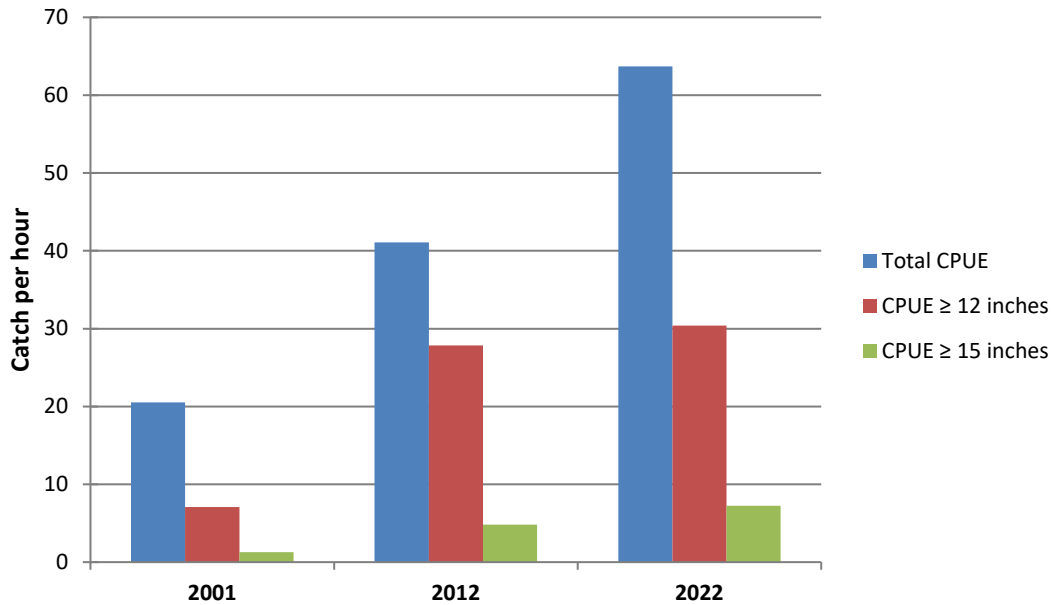


Figure 1. Largemouth Bass catch rates at Duman Lake in May 2001, 2012, and 2022.

The primary targets of the trap net survey at Duman Lake were the lakes resident panfish populations. Bluegill were the most common species captured with 195 individuals sampled (Table 2).

Table 2. Length and frequency distribution of sampled fish from trap netting at Duman Lake in May 2022.

Species	Number caught	Size range (inches)	Comments
Black Crappie	44	4 - 11	50% ≥ 9 inches
Bluegill	195	2 - 7	47% ≥ 7 inches
Pumpkinseed	52	4 - 7	38% ≥ 7 inches
Yellow Perch	31	7 - 12	90% ≥ 9 inches
Brown Bullhead	107	10 - 13	-
Yellow Bullhead	7	7 - 10	-
Chain Pickerel	2	16 - 21	Non-native in the Ohio River basin
Rainbow Trout - hatchery	13	Not measured	-
Golden Shiner	14	Not measured	-

Catch rates of Bluegills and Pumpkinseeds (sunfish) for total number of fish and fish over 7 inches were 4.84 and 2.16 fish per hour, respectively (Figure 2). Quality-sized sunfish (fish ≥ 7 inches) catch almost doubled from 1.13 fish per hour in 2012 to 2.16 fish per hour in 2022. The statewide guideline for a good quality sunfish population is 0.51 sunfish ≥ 7 inches per hour. Bluegills and Pumpkinseeds should provide excellent opportunities for anglers.

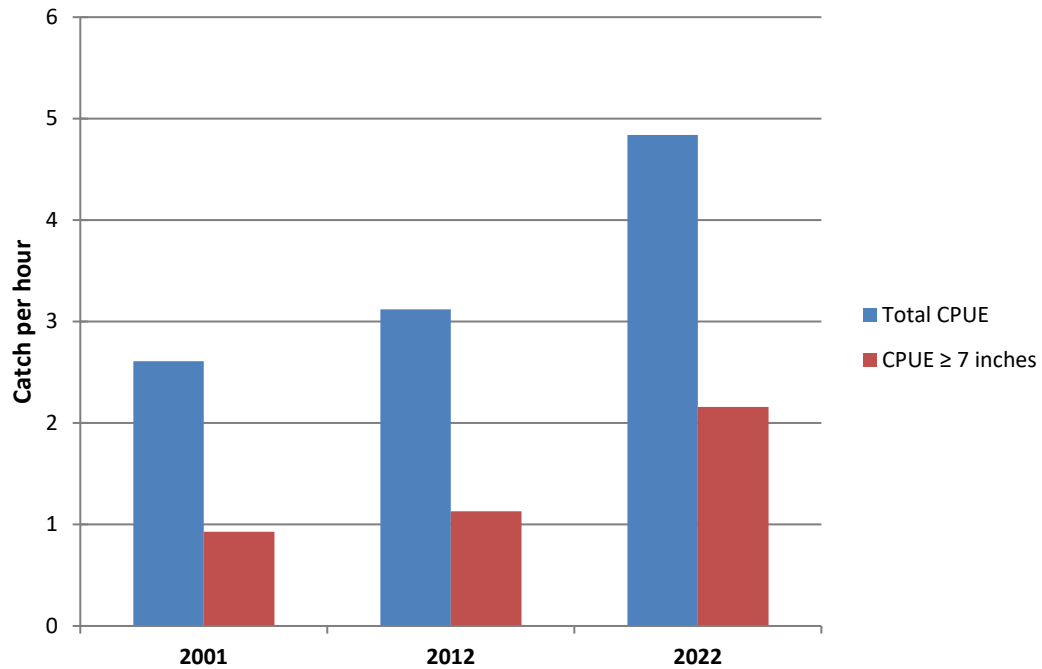


Figure 2. Bluegill and Pumpkinseed catch rates at Duman Lake in May 2001, 2012, and 2022.

Of the 44 Black Crappies and 31 Yellow Perch captured, 50% of the Black Crappies and 90% of the Yellow Perch were quality-sized fish (≥ 9 inches).



Area 8 Fisheries Manager Gary Smith with a Yellow Perch

Brown Bullheads were the second most common fish captured in our trap nets with a total of 107 individuals captured. Sizes of Brown Bullheads ranged from 10 to 13 inches. Duman Lake would provide a good area to target bullheads.

Chain Pickerel were captured in Duman Lake in 2022 and in previous surveys. They are non-native to the Ohio River basin and anglers are encouraged to harvest legal Chain Pickerel in this lake.

Duman Lake provides excellent opportunities for catching stocked trout, Largemouth Bass, panfish, and bullhead catfish.



Fisheries Biologist Aide Darby Byington with a Chain Pickerel

**Darby Byington
Area 8 Fisheries Biologist Aide**