

**Lake Information:** 170 acres; 33 feet max depth  
**Located:** Wolcottville, IN; LaGrange County  
**GPS Coordinates:** N 41.53938; W -85.41283  
**Access:** Public access ramp  
**Amenities:** N/A  
**Ownership:** Public  
**Special Restrictions:** N/A  
**Outboard Motor Restrictions:** 10 mph speed limit

**Best Fishing:** Bluegill, Redear Sunfish, Largemouth Bass, Northern Pike, Channel Catfish  
**Fees:** N/A  
**DNR Contact Information:**  
 Fish Management District 2  
 Matt Horsley, Fisheries Biologist  
 (260) 829-6241; [D2Fish@dnr.IN.gov](mailto:D2Fish@dnr.IN.gov)

## Highlights

- A total of 1,033 fish representing 18 species and 1 hybrid were collected during the survey (Table 1).
- Bluegill up to 9.1 inches were collected during the survey, with 17% of individuals collected being 6 inches or larger (Figures 1 and 2).
- Largemouth Bass up to 16.4 inches were collected during the survey, with only 3% of the individuals collected being 14 inches or larger (Figure 3).
- Bluegill growth was below average and Largemouth Bass grew slow at the 25% quartile (Figures 4 and 5).
- Redear Sunfish up to 8.0 inches were collected during the survey, the average length of the sample was 5.8 inches.
- Northern Pike up to 33.4 inches were collected during the survey, with 88 percent being over legal size of 24 inches.
- Four Channel Catfish that ranged from 20.9 to 26.3 inches were collected during the survey.

## Sport Fish

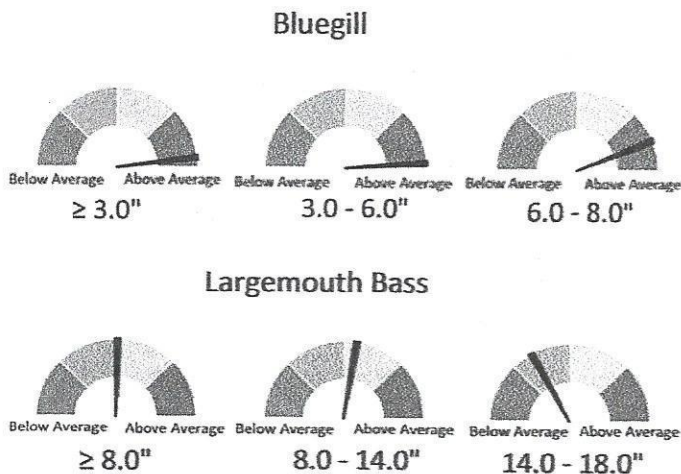


Figure 1. Bluegill and Largemouth Bass catch rates at Atwood Lake compared to regional averages among all glacial lakes in northern Indiana.

Table 1. Fish community species composition (by total number and percent of catch) and size range.

Species	#	%	Length Range (in)	
			Min	Max
Bluegill	646	62.5	1.6	9.1
Redear Sunfish	67	6.5	3.4	8.0
Largemouth Bass	61	5.9	3.8	16.4
Brown Bullhead	60	5.8	8.3	13.4
Brook Silverside	54	5.2	3.2	4.2
Warmouth	28	2.7	2.6	7.4
Black Crappie	27	2.6	5.7	10.3
Yellow Perch	22	2.1	4.4	8.6
Yellow Bullhead	17	1.6	5.1	10.7
Northern Pike	16	1.5	22.2	33.4
Hybrid Sunfish	11	1.1	5.2	6.9
Redfin Pickerel	7	0.7	7.3	10.5
Spotted Gar	5	0.5	20.4	37.8
Channel Catfish	4	0.4	20.9	26.3
Lake Chubsucker	3	0.3	7.4	7.9
Bowfin	2	0.2	17.8	18.4
Blackchin Shiner	1	0.1	2.1	2.1
Golden Shiner	1	0.1	6.6	6.6
Spotfin Shiner	1	0.1	2.8	2.8
<b>Total</b>	<b>1,033</b>			

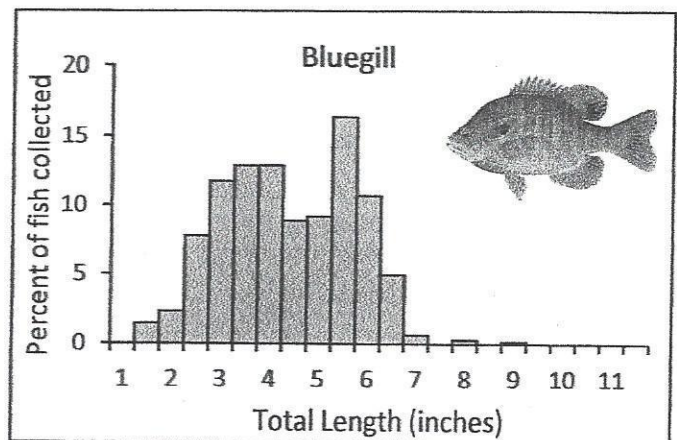


Figure 2. Bluegill length frequency for Atwood Lake.<sup>1</sup>



Your purchase of fishing equipment and motor boat fuel supports boating access

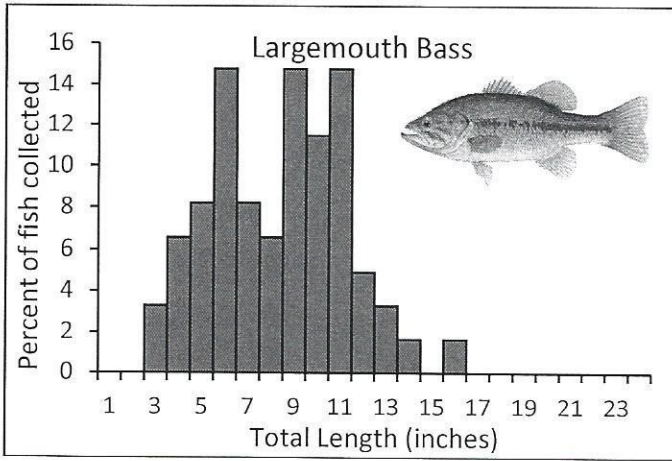


Figure 3. Largemouth Bass length frequency for Atwood Lake.<sup>1</sup>

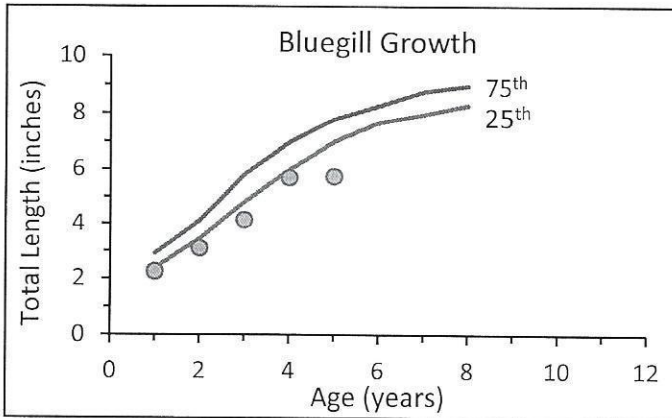


Figure 4. Bluegill average length at age for Atwood Lake compared to 25<sup>th</sup> and 75<sup>th</sup> growth percentiles for glacial lakes.

**Fish Survey Dates:** June 21, 2021 – June 22, 2021  
**Fish Survey Techniques:** 0.5 hours pulsed DC night electrofishing with 2 dippers; 2 trap net lifts; 2 gill net lifts  
**Water Quality Survey Dates:** June 21, 2021; August 30, 2021  
**Water Quality Survey Techniques:** Water clarity, conductivity, alkalinity, pH, temperature, and oxygen profiles  
**Vegetation Survey Dates:** August 18, 2021  
**Report Author:** Gretchen Luchauer, D2 Naturalist Aide  
**Report Approved By:** Dan Carnahan, Fisheries Supervisor  
**Date Approved:** February 9, 2022  
**Technical Report Publication:** 2022-OSR ANGLER-16

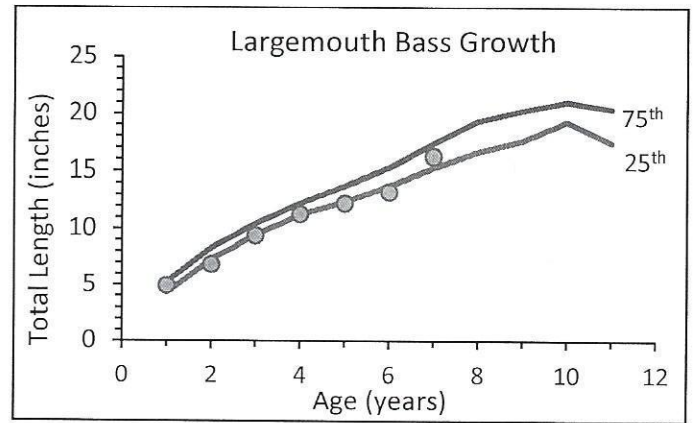


Figure 5. Largemouth Bass average length at age for Atwood Lake compared to 25<sup>th</sup> and 75<sup>th</sup> growth percentiles for glacial lakes.

## Habitat

- Dissolved oxygen levels were adequate for fish survival to approximately 14 ft in both June and August (Figure 6).

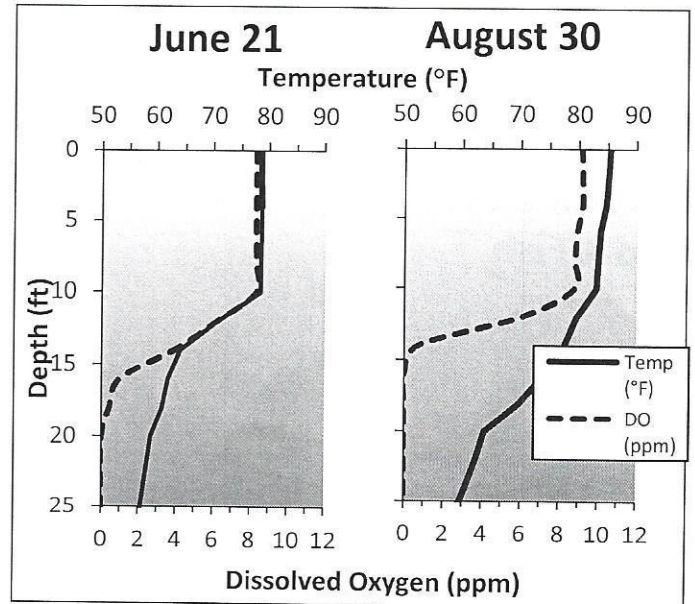
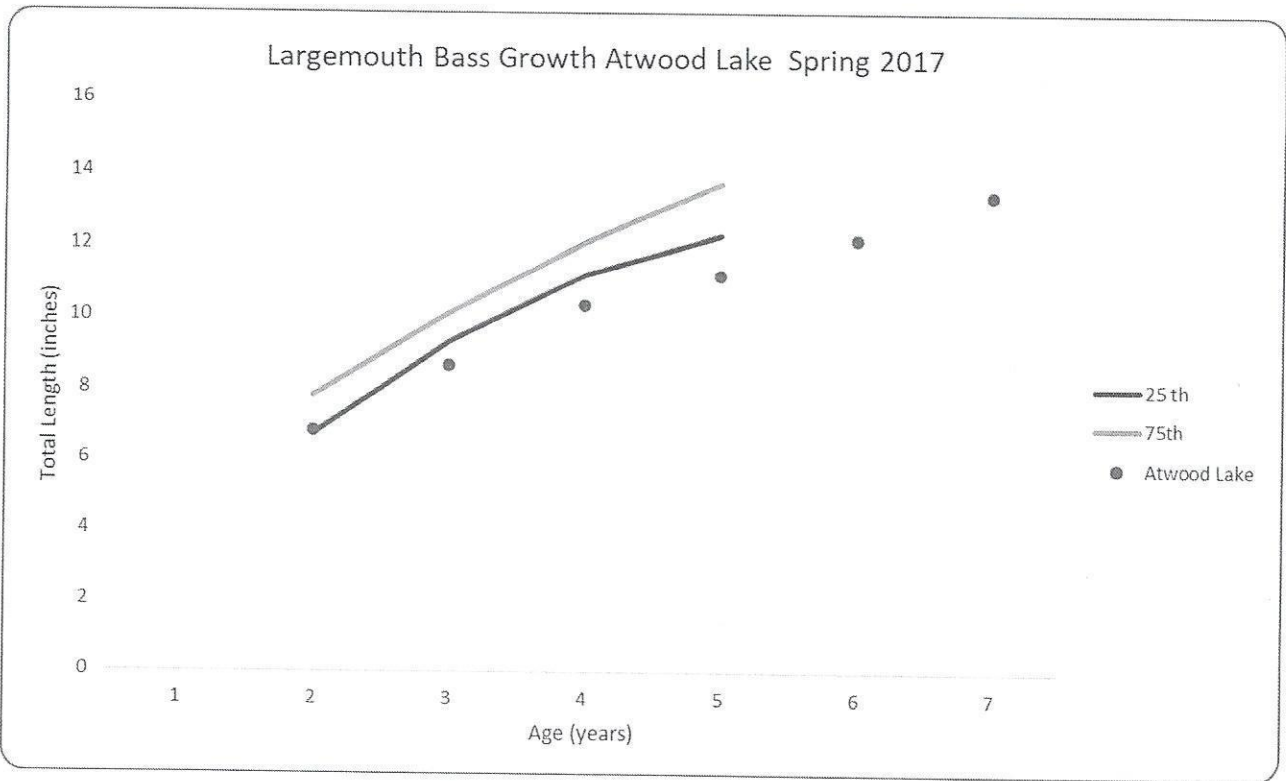


Figure 6. June and August temperature and oxygen profiles for Atwood Lake.

<sup>1</sup>Artwork by Rick Hill, Kentucky Department of Fish and Wildlife Resource



Your purchase of fishing equipment and motor boat fuel supports boating access and Sport Fish Restoration.



### Occurrence and Abundance of Submersed Aquatic Plants in Atwood Lake.

County: LaGrange	Secchi (ft): 3.5	Mean species/site: 1.80
Date: 8/18/2021	Sites with plants: 46	SE Mean species/site: 0.15
Littoral Depth (ft): 20.0	Sites with native plants: 45	Mean native species/site: 1.66
Littoral Sites: 50	Number of species: 12	SE Mean natives/site: 0.14
Total Sites: 50	Number of native species: 10	Species diversity: 0.81
	Maximum species/site: 4	Native species diversity: 0.78

All Depths Species	Frequency of Occurrence	Rake score frequency per species				Plant Dominance
		0	1	3	5	
Coontail	54.0	46.0	36.0	8.0	10.0	22.0
Chara spp.	40.0	60.0	16.0	12.0	12.0	22.4
Variable Pondweed	34.0	66.0	32.0	2.0	0.0	7.6
Sago Pondweed	14.0	86.0	12.0	2.0	0.0	3.6
Spiny Naiad	10.0	90.0	6.0	2.0	2.0	4.4
Slender Naiad	8.0	92.0	8.0	0.0	0.0	1.6
Nitella	6.0	94.0	6.0	0.0	0.0	1.2
Eurasian Watermillfoil	4.0	96.0	2.0	0.0	2.0	2.4
Small Pondweed	4.0	96.0	2.0	2.0	0.0	1.6
Bladderwort	2.0	98.0	2.0	0.0	0.0	0.4
Elodea	2.0	98.0	2.0	0.0	0.0	0.4
Flat Stem Pondweed	2.0	98.0	2.0	0.0	0.0	0.4

