

Brookville Reservoir 2015 Fall Striped Bass and Walleye Evaluation

Lake Information: 5,260 Acres
Located: Mounds SRA; Brookville, IN; Franklin County
GPS Coordinates: N 39.479219; W -84.965017
Ownership: DNR Division of State Parks; (765) 647-2657; www.in.gov/dnr/parklake/2961; Army Corps of Engineers; (765) 647-6701; <http://www.lrl.usace.army.mil/Missions/Civil-Works/Recreation/Lakes/Brookville-Lake/>
Fees: Entrance fee of \$7 per car at state recreation areas; \$25 DNR Lake Permit
Amenities: Beach; camping; 10 boat ramps.
Outboard Motor Restriction: None.
Special Regulations: Statewide size and bag limits apply.

Best Fishing: Walleye, Striped Bass, Crappie, Black Bass
Stockings: Annual fingerlings: Striped Bass; 66,000 Muskellunge; 33,500; Annual fry: Walleye 10,520,000
DNR Contact Information:
 Fish Management District 4
 2650 State Road 44
 Martinsville, IN 46151
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Report Approved By: Daniel P. Carnahan
Date Approved: October 2, 2017

Methods

A fall Striped Bass and Walleye stocking evaluation at Brookville Reservoir was conducted on October 13, 2015. Sampling effort consisted of 1.75 h of pulsed DC electrofishing at night with two dippers. Length and weight was collected for each fish along with otoliths for age and growth determination.

Summary

- A total of 34 Striped Bass were sampled that ranged in length from 4.0 in to 6.2 in and weighed a total of 1.6 lbs. All Striped Bass collected were age 0 for a catch rate of 19/h.
- Seventy-four Walleye were sampled that ranged in length from 5.1 to 16.6 in.
- Seven Walleye were 10 in or greater and 2 Walleye were 14 in or greater. The overall weight was 13.0 lbs.
- The Walleye fishery in Brookville Reservoir remains the highest priority stocking location in Indiana to maintain a reliable source of Walleye broodstock (Smyth 2008). Sixty-seven age-0 Walleye were collected for a catch rate of 38/h. This catch rate far exceeds the benchmark of 7/h for successful Walleye stocking.

Literature Cited

Smyth, J. L. 2008. Evaluation of the fish community and predator stockings at Brookville Reservoir. Indiana Department of Natural Resources. Indianapolis, Indiana. 7 pp.

Table1. Striped Bass and Walleye catch from the Brookville Reservoir 2015 fall Striped Bass and Walleye evaluation.

Species	Size		
	Class (in)	Number	Percent
Striped Bass	<12.0	34	100.0
	<10.0	67	90.5
Walleye	10.0-14.9	5	6.8
	15.0-19.9	2	2.7

