

Vann Park Pond
Warrick County
Supplemental Survey

Date of Survey: June 10, 2008

Biologist: Michelle L. Cain, Assistant Fisheries Biologist

Survey Objective: Evaluate the success of the 2007 stocking of 1,000 largemouth bass fingerlings.

Methods: Fish collection effort consisted of 0.36 h of day electrofishing with two dippers. Largemouth bass were measured to the nearest 0.1 in TL. Scales were removed from a subsample of small bass to determine their age.

Summary: A total of 30 largemouth bass was collected that weighed 23 lbs. They ranged in length from 3.5 to 19.6 in. The electrofishing catch rate was 83.3/h. Sixty-six percent of the bass collected were age 1. No bass were collected between 5.0 and 14.5 in.

The number of age-1 bass increased from past surveys. It is assumed the increase was a result of the 2007 stocking. Especially since bass recruitment has been poor to non-existent since 2002 (Carnahan 2003, Weinman 2007). It is recommended that 1,000 largemouth bass be stocked in 2008 that are marked with oxytetracycline (OTC). A supplemental survey should be conducted in June 2009 to evaluate stocking success. Stocking success will be evaluated by checking all the age-1 bass otoliths for the OTC mark.

Recommendations:

- Stock 1,000 fingerling largemouth bass in 2008 that are OTC marked.
- A supplemental survey at Vann Park Pond should be conducted in June 2009 to evaluate the largemouth bass stocking success.

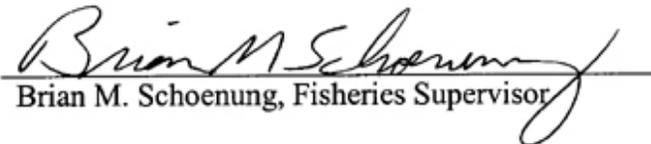
Literature Cited:

Carnahan, D. P. 2003. Vann Park Pond 2002 fish management report. Indiana Department of Natural Resources. Indianapolis. 12 pp.

Weinman, M. L. 2007. Vann Park Pond 2006 fish management report. Indiana Department of Natural Resources. Indianapolis. 18 pp.

Submitted by: Michelle L. Cain, Assistant Fisheries Biologist
Date: June 13, 2008

Approved by: Daniel P. Carnahan, Fisheries Biologist

Approved by: 
Brian M. Schoenung, Fisheries Supervisor

Date: December 17, 2008

LAKE SURVEY REPORT

Type of Survey	
<input type="checkbox"/> Initial Survey	<input checked="" type="checkbox"/> Re-Survey

Lake Name Vann Park Pond	County Warrick	Date of survey (Month, day, year) June 10, 2008
Biologist's name Michelle L. Cain		Date of approval (Month, day, year) December 17, 2008

LOCATION		
Quadrangle Name Yankeetown	Range 8W	Section 19
Township Name 6S	Nearest Town Boonville	

ACCESSIBILITY					
State owned public access site		Privately owned public access site		Other access site Warrick County Parks Dept.	
Surface acres 5.0	Maximum depth 8.0	Average depth 6.0	Acre feet 30.0	Water level 300 MSL	Extreme fluctuations None
Location of benchmark Unknown					

INLETS		
Name Surface runoff	Location	Origin

OUTLETS			
Name Emergency spillway	Location West end of pond		
Water level control			
POOL	ELEVATION (Feet MSL)	ACRES	Bottom type <input type="checkbox"/> Boulder <input type="checkbox"/> Gravel <input type="checkbox"/> Sand <input type="checkbox"/> Muck <input checked="" type="checkbox"/> Clay <input type="checkbox"/> Marl
TOP OF DAM			
TOP OF FLOOD CONTROL POOL			
TOP OF CONSERVATION POOL	390	5.0	
TOP OF MINIMUM POOL			
STREAMBED			
Watershed use Reclaimed strip mine ground.			
Development of shoreline None			
Previous surveys and investigations Fish management surveys in 1994, 1997, 1999, 2002, and 2006.			
Fisheries renovation in 1995.			

NUMBER, PERCENTAGE, WEIGHT, AND AGE OF LARGEMOUTH BASS

TOTAL LENGTH (inches)	NUMBER COLLECTED	PERCENT OF FISH COLLECTED	AVERAGE WEIGHT (pounds)	AGE OF FISH	TOTAL LENGTH (inches)	NUMBER COLLECTED	PERCENT OF FISH COLLECTED	AVERAGE WEIGHT (pounds)	AGE OF FISH
1.0					19.0				
1.5					19.5	1	3.3	4.04	Not aged
2.0					20.0				
2.5					20.5				
3.0					21.0				
3.5	11	36.7	0.03	1	21.5				
4.0	7	23.3	0.03	1	22.0				
4.5	2	6.7	0.04	1	22.5				
5.0					23.0				
5.5					23.5				
6.0					24.0				
6.5					24.5				
7.0					25.0				
7.5					25.5				
8.0					26.0				
8.5					TOTAL	30			
9.0									
9.5									
10.0									
10.5									
11.0									
11.5									
12.0									
12.5									
13.0									
13.5									
14.0									
14.5									
15.0	2	6.7	1.68	Not aged					
15.5	2	6.7	1.88	Not aged					
16.0	2	6.7	2.08	Not aged					
16.5	3	10.0	2.40	Not aged					
17.0									
17.5									
18.0									
18.5									

ELECTROFISHING CATCH	83.3/h	GILL NET CATCH	N/A	TRAP NET CATCH	N/A
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GPS LOCATION OF SAMPLING EQUIPMENT

GILL NETS			TRAP NETS			ELECTROFISHING		
1	N	W	1	N	W	1	N 37.983	W -87.346
	N	W	2	N	W		N 37.983	W -87.346
2	N	W	3	N	W	2	N	W
	N	W	4	N	W		N	W
3	N	W	5	N	W	3	N	W
	N	W	6	N	W		N	W
4	N	W	7	N	W	4	N	W
	N	W	8	N	W		N	W
5	N	W	9	N	W	5	N	W
	N	W	10	N	W		N	W
6	N	W	11	N	W	6	N	W
	N	W	12	N	W		N	W
7	N	W	13	N	W	7	N	W
	N	W	14	N	W		N	W
8	N	W	15	N	W	8	N	W
	N	W	16	N	W		N	W
9	N	W	17	N	W	9	N	W
	N	W	18	N	W		N	W
10	N	W	19	N	W	10	N	W
	N	W	20	N	W		N	W
11	N	W				11	N	W
	N	W					N	W
12	N	W				12	N	W
	N	W					N	W
13	N	W				13	N	W
	N	W					N	W
14	N	W				14	N	W
	N	W					N	W
15	N	W				15	N	W
	N	W					N	W
16	N	W				16	N	W
	N	W					N	W
17	N	W				17	N	W
	N	W					N	W
18	N	W				18	N	W
	N	W					N	W
19	N	W				19	N	W
	N	W					N	W
20	N	W				20	N	W
	N	W					N	W