

STREAM ASSESSMENT



MINNESOTA DEPARTMENT OF NATURAL RESOURCES DIVISION OF FISH AND WILDLIFE

Report Date: January 14, 2008

Region	Area	Stream Name	Tributary No.	Stream Length
3	Lake City	Main Zumbro River	M-34	57.6 Miles

County	Watershed Name, No.	Source (T, R, S)	Mouth (T, R, S)
Wabasha	Zumbro, 41	109-14-27	110-9-31

Date(s) of Assessment: September 25, 2007

Assessment Purpose: Sampling smallmouth bass in the plunge pool below the Lake Zumbro dam.

Station	Similar Reach	Stream Mile	Length (ft)	Mean Width (ft)	Acres	Water Temp (F)	Air Temp (F)	Downstream UTM's	
								utm _x (↔)	utm _y (↑)
Plunge	2	57.6	NA	Variable	NA			541592	4895692

Summary:

A smallmouth bass population estimate was attempted in the plunge pool below the Lake Zumbro dam in late September. A single marking run was completed. A total of 56 smallmouth bass were captured and marked with a tail punch. We also marked 24 largemouth bass since a fishable population is present. Due to high water during October, recapture runs were not completed. Smallmouth bass mean length was 10.3 inches and ranged from 6.0 to 17.6 inches. Largemouth bass mean length was 11.3 inches and ranged from 7.0 to 16.0 inches.

Length Class Distributions

Stream Main Zumbro

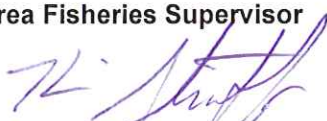
Tributary Number M-34

Species	SMB	LMB						
Station	Plunge	Plunge						
Length Class								
< 6.0								
6.0 - 6.9	3							
7.0 - 7.9	5	1						
8.0 - 8.9	6	1						
9.0 - 9.9	16	1						
10.0 - 10.9	12	6						
11.0 - 11.9	5	10						
12.0 - 12.9	3	3						
13.0 - 13.9	1	1						
14.0 - 14.9								
15.0 - 15.9	3	1						
16.0 - 16.9	1							
17.0 - 17.9	1							
18.0 - 18.9								
19.0 - 19.9								
20.0 - 20.9								
21.0 - 21.9								
22.0 - 22.9								
23.0 - 23.9								
24.0 - 24.9								
25.0 - 25.9								
26.0 - 26.9								
27.0 - 27.9								
28.0 - 28.9								
29.0 - 29.9								
30.0 - 34.9								
35.0 - 39.9								
40.0 - 44.9								
45.0 - 49.9								
50.0 +								
Mean Length	10.3	11.3						
Length Class	56	24						

Stream Main ZumbroTributary Number M-34**DISCUSSION OF FISHERY**

A smallmouth bass population estimate was attempted in the plunge pool below the Lake Zumbro dam in late September. A single marking run was completed. A total of 56 smallmouth bass were captured and marked with a tail punch. We also marked 24 largemouth bass since a fishable population is present. Due to high water during October, recapture runs were not completed. Smallmouth bass mean length was 10.3 inches and ranged from 6.0 to nearly 18.0 inches. Largemouth bass mean length was 11.3 inches and ranged from 7.0 to 16.0 inches.

Credits and Signatures

Field Crew:		
Report Completed by:		
Name: Jeff Weiss	Title: Fisheries Specialist	Date: 1/14/2008
Approved by:		
Area Fisheries Supervisor  3-26-08	Regional Fisheries Manager's Signature	Date

Zumbro River Plunge Pool

