



FISHERIES WARMWATER STREAM RECONNAISSANCE REPORT

REGION 5	AREA Lake City	STREAM NAME No.Br.Mi. Fork Zumbro	TRIBUTARY NO. M-34-56-14	LENGTH 25.8 mi
COUNTY Dodge		WATERSHED NAME, NO. Zumbro River - 35	SOURCE (T.R.S) 109N 18W S27	MOUTH (T.R.S) 109N 15W S32

DATE(S) OF ASSESSMENT: May 28,1998 - July 20, 1998 (Various).
REASON FOR ASSESSMENT: Warmwater inventory as requested by Area Supervisor.

SIMILAR REACH*	STATION	STREAM MILE	LENGTH (mi)	AVE. WIDTH (Ft)	ACRES
I	N/A	0.0-15.0	15.0	22.7	41.0
II	N/A	15.0-21.6	6.6	19.0	15.2
III	N/A	21.6-25.8	4.2	9.0	4.6

HABITAT SUMMARY

Habitat remains relatively unchanged since the 1983 Initial Survey. Near the source, the stream meanders through a moderately wide grassy/willow corridor, and in and out of wooded and pastured areas further downstream. Substrates are mostly sand and gravel, however, fractured limestone is common at several points throughout, particularly within wooded stretches. The stream does not provide adequate habitat to sustain smallmouth bass. In general, the objective of the survey was to collect base flow data and updated minnow species presence/absence.

BASE FLOW MEASUREMENTS

Location (mile)	21.3	13.7	.5			
Date	9/14/98	9/14/98	9/14/98			
Time	1100	1240	1335			
Flow (cfs)	0.33	7.7	15.9			

From mile 21.8 to the source, the stream was dry.

FISH SAMPLING SUMMARY

Gear	Seine*	Seine*	Seine*	Seine*
Date	6/22/98	6/22/98	6/22/98	6/22/98
Location (mile)	25.8	21.3	17.5	16.2
Effort	1 haul	1 haul	1 Haul	1 Haul
Species	Rel. Abundance	Rel. Abundance	Rel. Abundance	Rel. Abundance
Central stoneroller	Present	Occasional	Common	Abundant
Redside dace				Present
Common shiner	Present	Occasional		Abundant
Bigmouth shiner		Common		
Redfin shiner				Present
Redbelly dace sp.	Occasional	Occasional	Common	Common
Bluntnose minnow	Abundant	Abundant		
Fathead minnow	Abundant	Abundant		
Blacknose dace		Present		Present
Creek chub	Present	Common	Occasional	Abundant
White sucker	Present	Occasional		Common
Johnny darter	Occasional	Occasional	Common	
Crayfish	Present		Abundant	Present

Cont'd

Gear	Seine*	Seine*		
Date	6/22/98	6/22/98		
Location (mile)	11.5	5.3		
Effort	1 haul	1 haul		
Species	Rel. Abundance	Rel. Abundance	Rel. Abundance	Rel. Abundance
Central stoneroller		Abundant		
Common shiner		Abundant		
Bigmouth shiner	Abundant			
Redbelly dace sp.		Present		
Bluntnose minnow		Occasional		
Fathead minnow		Occasional		
Blacknose dace	Present			
Creek chub	Common	Common		
White sucker		Common		
Johnny darter		Occasional		

*Standard 50 ft.

Stream NBMFK Zumbro

Date 1998 - Various

DISCUSSION OF THE FISHERY

Summary:

The NBMFK Zumbro is valuable in terms of flow contribution to recreational fisheries downstream. Water appropriation permit applications should be reviewed carefully. The stream is a good source of bait minnows such as common shiner and fathead. As summarized in previous reports, habitat suitable to sustain a smallmouth bass fishery is very limited. At this time, the Middle Fork and SBMFK Zumbro Rivers have better potential at providing sport angling opportunities.

Credits and Signatures:

Field Crew: Al Schmidt, Dale Sogla, Al Stevens, Randy Binder

Report Completed by:

Name: Al Schmidt

Title: Fisheries Specialist

Date: 3/5/99

APPROVED BY:

Area Supervisor's Signature

Regional Fisheries Manager's Signature

Date

Tim Schlegel 4/1/99

Mark Hyslop

5/12/99