



**FISHERIES  
STREAM POPULATION ASSESSMENT**

<b>REGION</b> 5	<b>AREA</b> Lake	<b>STREAM NAME</b> Dodge Center Creek	<b>TRIBUTARY NO.</b> <i>M-34-56-4-21</i>	<b>LENGTH</b> 28.1 miles
<b>COUNTY</b> Dodge		<b>WATERSHED NAME, NO.</b> Zumbro River, 34	<b>SOURCE (T.R.S)</b> T106N R18W S32	<b>MOUTH (T.R.S)</b> T107N R17W S14

**DATE(S) OF ASSESSMENT:** 8/14/00

**REASON FOR ASSESSMENT:** Assess the presence or absence of smallmouth bass and their size structure in a selected reach of the stream using angling techniques.

<b>SIMILAR REACH</b>	<b>STATION*</b>	<b>STREAM MILE</b>	<b>LENGTH</b>	<b>AVE. WIDTH**</b>	<b>ACRES</b>
I	14.0	14.0-19.0	5.0 mi.	30 ft.	18.2

**SUMMARY:** This assessment is a follow up to the reconnaissance survey completed in 1998. That survey was undertaken to determine current information on physical stream habitat for the entire stream, noting in particular, reaches containing good smallmouth bass habitat. Actual sampling of smallmouth bass was only completed in a cursory manner. Information from the 1998 reconnaissance and other past investigations were used in selecting specific reaches to intensively sample smallmouth bass.

Data collected during this assessment cannot be used comparatively with historic data because it is the first time angling was used to sample smallmouth bass. Estimates of relative abundance from these data should not be used to describe the fishery at this time. This may change in the future if methods can be standardized and sampling precision improves. Up to date documentation of the presence or absence of smallmouth bass and larger sample sizes (producing more accurate length frequencies) was the goal of this assessment. The stream miles sampled were chosen because they had been judged to contain good smallmouth bass habitat from previous reconnaissance surveys.

The stream was floated by canoe from mile 19.0 to mile 14.0, and intensively sampled using angling gear. Twelve angler hours (AngHrs) were expended, however only creek chubs were caught. No smallmouth bass were caught. Although habitat was noted as fair to good, it was not as rocky and had lower flow (volume) than the SBMF Zumbro at Wasioja. Dodge Center Creek contains good spawning and nursery habitat for smallmouth bass which should be considered when commenting on future environmental review project proposals.

\* Denotes the downstream end-point (stream mile) where sampling ended.  
 \*\* Taken from previous surveys.

Credits and Signatures:

Field Crew: Al Schmidt, Pat Rivers

Report Completed by:

Name Al Schmidt

Title Fisheries Specialist

Date 3/5/01

APPROVED BY:

Area Supervisor's Signature

Regional Fisheries Manager's Signature

Date

*For Schlageraft 4/30/01*

*Mark Hagedorn*

*5/14/01*