

2004 Assessments – Minnesota River Basin

Professional judgment group Process Transparency form for assessed streams

Revision date: 3/25/2004

Introduction to the Process Transparency Document

(For a full description of the process for assessing water quality in Minnesota under the Clean Water Act, see “Guidance Manual for Assessing the Quality of Minnesota Surface Waters”, MPCA, January, 2004.

This document is available from the MPCA or to read and download from the MPCA Web site at:

<http://www.pca.state.mn.us/publications/manuals/tmdl-guidancemanual04.pdf>)

In general, the assessment process compares monitoring data with applicable water quality standards by stream reach. The Professional Judgment Group is composed of assessment staff who know how the preliminary assessments were done, and monitoring staff who advise on the correct interpretation of monitoring data collected by them or their organization.

The stream assessment Process Transparency Document is designed to provide both a template for considering preliminary assessments at the major river basin Professional Judgment Group (PJG) meetings, and also to provide an enduring record of any special factors discussed or involved in making an assessment on a stream reach.

This document builds on two technical reports, a Data Summary Report and a Preliminary Assessment Report, which are produced in an automated manner using the assessment methodology described in the guidance document referenced above. Often, the application of the methodology produces an assessment that is reviewed without additional comment. When additional factors must be considered, or additional review is performed, or recommendations are made, these are noted on the Process Transparency Document, along with significant comments that reinforce or pertain to the assessment for the reach.

Use the “find” capability when using this document in electronic format to find a particular AUID or stream name. The order of the notes varies according to how they were used in the PJG meeting.

Abbreviation Key:

AUID	Assessment Unit Identification Code – incorporates the 8-digit HUC (ie. 07020001 517)
NS	Non-supporting
FS	Fully-supporting
PS	Partially-supporting
NA	Not Assessed
IAR	Integrated Assessment Reporting

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AUID	Seg	Miles	Reach Name	Reach Description
07020001	517	006	7.12 Minnesota R	Lac Qui Parle Lk (below Emily Creek)
Aquatic life—preliminary assessment <u>FS</u> Final assessment <u>NA*</u> Based on _____				
AQL assessment quality (Excellent, good, fair, poor) _____				
Factors used, please describe				
A. Timing of exceedances _____				
B. Magnitude of exceedances _____				
C. Seasonality of exceedances _____				
D. Naturally occurring conditions _____				
E. Combination of narrative and numeric standards _____				
F. Known point and nonpoint influences in the watershed _____				
G. Additional data _____				
Aquatic recreation use—preliminary assessment <u>FS</u> Final assessment <u>NA*</u> _____				
AR assessment quality (Excellent, good, fair, poor) _____				
Fish consumption use _____				
1998 TMDL listing (Y/N) <u>Y</u> Which pollutants <u>Unionized ammonia</u> _____				
2002 TMDL listing (Y/N) <u>Y</u> Which pollutants <u>unionized ammonia</u> _____				
2004 Impairment (4 or 5) (Y/N) <u>Y</u> Which pollutants <u>unionized ammonia</u> _____				
Delisting status (if applicable) _____				
IAR category <u>5</u> _____				
Additional Comments: *2004 – Review group recommends assessing this waterbody as a lake (37-0046) rather than as a stream.				
(2002 - Carol and Louise reviewed the raw data on which the ammonia listing was based. Ammonia data for 1990-2000 is all from 1990-1994 time period. Exceedances are during 1985-1989. Exceedances were primarily during low flow times. Have not had data during low flow since then.)				

AUID	Seg	Miles	Reach Name	Reach Description
07020001	526	038	25.25 South Fork Yellow Bank	SD border to North FK Yellow Bank R
Aquatic life—preliminary assessment <u>FS</u> Final assessment <u>FS</u> Based on <u>Biota</u>				
AQL assessment quality (Excellent, good, fair, poor) <u>Good</u> _____				
Factors used, please describe				
A. Timing of exceedances _____				
B. Magnitude of exceedances _____				
C. Seasonality of exceedances _____				
D. Naturally occurring conditions _____				
E. Combination of narrative and numeric standards _____				
F. Known point and nonpoint influences in the watershed _____				
G. Additional data _____				
Aquatic recreation use—preliminary assessment <u>NA</u> Final assessment <u>NA</u> _____				
AR assessment quality (Excellent, good, fair, poor) _____				
Fish consumption use _____				
1998 TMDL listing (Y/N) <u>N</u> Which pollutants _____				
2002 TMDL listing (Y/N) <u>N</u> Which pollutants _____				
2004 Impairment (4 or 5) (Y/N) <u>N</u> Which pollutants _____				
Delisting status (if applicable) _____				
IAR category <u>2</u> _____				
Additional Comments _____				

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AUID 07020001 531 Seg Miles NA 4.19 Reach Name Stony Run Reach Description Unnamed Cr to Minnesota River
Aquatic life—preliminary assessment NS Final assessment NS Based on Biota
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use _____
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Impaired Biota
Delisting status (if applicable) _____
IAR category 5
Additional Comments _____

AUID 07020002 501 Seg Miles 001 47.85 Reach Name Pomme de Terre R Reach Description Muddy Cr to Minnesota R (Marsh Lk)
Aquatic life—preliminary assessment NS Final assessment NS Based on Turbidity
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NS Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use _____
1998 TMDL listing (Y/N) Y Which pollutants Low DO, fecal coliform
2002 TMDL listing (Y/N) Y Which pollutants Turbidity, low DO, fecal coliform
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Turbidity, low DO, fecal coliform
Delisting status (if applicable) Considered for delisting for low DO May 02, still enough violations to trigger listing—do not delist
IAR category 5
Additional Comments current dataset shows support for DO

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AUID Seg Miles Reach Name Reach Description
07020002 502 002 46.64 Pomme De Terre R Pomme de Terre Lk to Muddy Creek
Aquatic life—preliminary assessment FS Final assessment FS Based on _____
AQL assessment quality (Excellent, good, fair, poor) Fair
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use _____
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) N Which pollutants _____
Delisting status (if applicable) _____
IAR category 2
Additional Comments Based on DO, it is fully supporting aquatic life use.

AUID Seg Miles Reach Name Reach Description
07020002 511 111 21.84 Muddy Cr Class 7 to Pomme de Terre R
Aquatic life—preliminary assessment NS Final assessment NA* Based on **Use Class 7**
AQL assessment quality (Excellent, good, fair, poor) _____
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use _____
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) N Which pollutants _____
Delisting status (if applicable) _____
IAR category _____
Additional Comments ***Use class review indicates that this is a class 7, which is inappropriate for assessment.**

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AUID Seg Miles Reach Name Reach Description
07020002 515 NA 2.2 CD22 Unnamed Ditch to Unnamed Cr
Aquatic life—preliminary assessment NS Final assessment NA* Based on
AQL assessment quality (Excellent, good, fair, poor) _____
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA*
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use _____
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) N* Which pollutants _____
Delisting status (if applicable) _____
IAR category _____
Additional Comments * **no assessment: this stream reach is channelized with a drainage area of less than 20 sq. mi.**

AUID Seg Miles Reach Name Reach Description
07020003 501 002 25.23 Lac Qui Parle R West Br Lac Qui Parle R to Tenmile Cr
Aquatic life—preliminary assessment FS Final assessment **FS** Based on **current dataset**
AQL assessment quality (Excellent, good, fair, poor) _____
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NS
1998 TMDL listing (Y/N) Y Which pollutants Mercury
2002 TMDL listing (Y/N) Y Which pollutants Mercury, DO
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Mercury, DO
Delisting status (if applicable) _____
IAR category 5
Additional Comments **Wade G: all 11 sites throughout the LQP R exceed standard for fecal coliform, maybe turbidity too.**

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AUID **07020003** Seg Miles **507 115 9.33** Reach Name **Canby Cr** Reach Description **Downstream of trout section to Lazarus Cr**

Aquatic life—preliminary assessment **FS** Final assessment **FS** Based on **Biota**

AQL assessment quality (Excellent, good, fair, poor) **Good**

Factors used, please describe

- A. Timing of exceedances _____
 - B. Magnitude of exceedances _____
 - C. Seasonality of exceedances _____
 - D. Naturally occurring conditions _____
 - E. Combination of narrative and numeric standards _____
 - F. Known point and nonpoint influences in the watershed _____
 - G. Additional data _____
- Aquatic recreation use—preliminary assessment **NA** Final assessment **NA**
- AR assessment quality (Excellent, good, fair, poor) _____
- Fish consumption use _____
- 1998 TMDL listing (Y/N) **N** Which pollutants _____
- 2002 TMDL listing (Y/N) **N** Which pollutants _____
- 2004 Impairment (4 or 5) (Y/N) **N** Which pollutants _____
- Delisting status (if applicable) _____
- IAR category **2**
- Additional Comments **Wade G: good water quality overall**

AUID **07020003** Seg Miles **511 018 30.68** Reach Name **Tenmile Cr** Reach Description **Headwaters to Lac qui Parle R**

Aquatic life—preliminary assessment **NS** Final assessment **NS** Based on **Biota**

AQL assessment quality (Excellent, good, fair, poor) **Good**

Factors used, please describe

- A. Timing of exceedances _____
 - B. Magnitude of exceedances _____
 - C. Seasonality of exceedances _____
 - D. Naturally occurring conditions _____
 - E. Combination of narrative and numeric standards _____
 - F. Known point and nonpoint influences in the watershed _____
 - G. Additional data **11-13 sites throughout the LQP WD**
- Aquatic recreation use—preliminary assessment **NA** Final assessment **NA**
- AR assessment quality (Excellent, good, fair, poor) _____
- Fish consumption use _____
- 1998 TMDL listing (Y/N) **N** Which pollutants _____
- 2002 TMDL listing (Y/N) **N** Which pollutants _____
- 2004 Impairment (4 or 5) (Y/N) **Y** Which pollutants **Impaired Biota**
- Delisting status (if applicable) _____
- IAR category **5**
- Additional Comments **Wait to assess data at other LQP reaches with exceedances for FC and turbidity until next assessment – insufficient time to compile and process metadata and data for this cycle 11-24-03**

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AUID **07020004** Seg **501** Miles **019** Reach Name **11.43 Minnesota R** Reach Description **Chippewa R to Stony Run Cr**
Aquatic life—preliminary assessment NA Final assessment NA based on **inadequate current dataset**. (NS will be reported to carry forward past listing.)
AQL assessment quality (Excellent, good, fair, poor) Fair
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed Wegdahl is an unsewered community.
G. Additional data _____
Aquatic recreation use—preliminary assessment FS Final assessment NA based on current dataset
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NS
1998 TMDL listing (Y/N) Y Which pollutants Fecal coliform, mercury
2002 TMDL listing (Y/N) Y Which pollutants Turbidity, Fecal coliform, mercury
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Turbidity, Fecal coliform, mercury
Delisting status (if applicable) Considered delisting for fecal coliform May 02, new dataset not comparable to dataset used for listing –different months—do not delist
IAR category 5
Additional Comments: **TSS data used for turbidity listing in 2002 is all prior to 1993. No TMDL study yet.**

AUID **07020004** Seg **502** Miles **022** Reach Name **26.25 Yellow Medicine R** Reach Description **Spring Cr to Minnesota R**
Aquatic life—preliminary assessment NS Final assessment NS Based on **Turbidity**
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment PS Final assessment FS
AR assessment quality (Excellent, good, fair, poor) Good
Fish consumption use NS
1998 TMDL listing (Y/N) Y Which pollutants Fecal coliform, mercury
2002 TMDL listing (Y/N) Y Which pollutants Turbidity, Fecal coliform, mercury
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Turbidity, mercury
Delisting status (if applicable) Was considered for delisting May 02 and was delisted for fecal coliform
IAR category 5
Additional Comments: new data with exceedances since the delisting consideration in 2002. Recommend CLS review of dataset as a whole.

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AUID **07020004 509** Seg Miles **006 9.32** Reach Name **Minnesota R** Reach Description **Timms Cr to Redwood R**
 Aquatic life—preliminary assessment NS Final assessment NS Based on turbidity
 AQL assessment quality (Excellent, good, fair, poor) Good
 Factors used, please describe
 A. Timing of exceedances _____
 B. Magnitude of exceedances _____
 C. Seasonality of exceedances _____
 D. Naturally occurring conditions _____
 E. Combination of narrative and numeric standards _____
 F. Known point and nonpoint influences in the watershed _____
 G. Additional data _____
 Aquatic recreation use—preliminary assessment PS Final assessment FS
 AR assessment quality (Excellent, good, fair, poor) Fair
 Fish consumption use NS
 1998 TMDL listing (Y/N) Y Which pollutants Mercury and PCB
 2002 TMDL listing (Y/N) Y Which pollutants Mercury and PCB
 2004 Impairment (4 or 5) (Y/N) Y Which pollutants Mercury and PCB, turbidity
 Delisting status (if applicable) _____
 IAR category 5
 Additional Comments _____

AUID **07020004 521** Seg Miles **012 16.79** Reach Name **Hawk Cr** Reach Description **Chetomba Cr to Minnesota R**
 Aquatic life—preliminary assessment FS Final assessment NS Based on Turbidity est. from TSS
 AQL assessment quality (Excellent, good, fair, poor) Fair
 Factors used, please describe
 A. Timing of exceedances _____
 B. Magnitude of exceedances _____
 C. Seasonality of exceedances _____
 D. Naturally occurring conditions _____
 E. Combination of narrative and numeric standards _____
 F. Known point and nonpoint influences in the watershed _____
 G. Additional data CWP data shows impact
 Aquatic recreation use—preliminary assessment NA Final assessment FS
 AR assessment quality (Excellent, good, fair, poor) Good
 Fish consumption use _____
 1998 TMDL listing (Y/N) N Which pollutants _____
 2002 TMDL listing (Y/N) N Which pollutants _____
 2004 Impairment (4 or 5) (Y/N) Y Which pollutants Turbidity
 Delisting status (if applicable) _____
 IAR category 5
 Additional Comments Pat Baskfield contacted CWP’s Jim Doering after the PJG meeting to get dataset for FC and TSS, which was analyzed after the PJG. From Sylvia McCollor’s analysis of “Site 19 Hawk Outlet”: There is no turbidity data on that reach, but there are several TSS observations. It appears that there is sampling every one or two weeks, with additional observations during high flow weeks. To be consistent with the assessment methodology used on other reaches, we would consider that additional observations during a week are not "independent observations". Using this approach, there would be 55 independent TSS observations, of which 22 are greater than 58 (ecoregion expectation for Western Corn Belt Plains). The observations were for the time period June 1999 through September 2002. This would definitely be enough observations and enough "exceedances" to justify listing for turbidity (based on TSS) using our standard methodology.

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AUID Seg Miles Reach Name Reach Description
07020004 529 003 19.28 East Fk Beaver Cr Headwaters to West Fk Beaver Cr
Aquatic life—preliminary assessment NS Final assessment NS Based on **Biota**
AQL assessment quality (Excellent, good, fair, poor) **Good**
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use _____
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) Y Which pollutants **Impaired Biota**
Delisting status (if applicable) _____
IAR category 5
Additional Comments _____

AUID Seg Miles Reach Name Reach Description
07020004 538 023 38.17 Spring Cr Headwaters to Yellow Medicine R
Aquatic life—preliminary assessment NS Final assessment NS Based on Biota
AQL assessment quality (Excellent, good, fair, poor) **Good**
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) Y Which pollutants **Impaired Biota**
Delisting status (if applicable) _____
IAR category 5
Additional Comments: _____

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AUID **07020004** Seg Miles **555 110 4.08** Reach Name **Boiling Spring Cr** Reach Description **from Class 7 to Minnesota R**
Aquatic life—preliminary assessment FS Final assessment FS Based on Biota
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) N Which pollutants _____
Delisting status (if applicable) _____
IAR category 2
Additional Comments: _____

AUID **07020004** Seg Miles **562 None 2.22** Reach Name **Unnamed Cr** Reach Description **Unnamed Cr to Unnamed CR to NBr Yellow Medicine**
Aquatic life—preliminary assessment NS Final assessment NS Based on Biota
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use _____
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Impaired Biota
Delisting status (if applicable) _____
IAR category 5
Additional Comments: _____

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AUID **07020004** Seg Miles **566 none 2.48** Reach Name **Unnamed Cr*** Reach Description **Unnamed Cr to Unnamed Cr**
 Aquatic life—preliminary assessment NS Final assessment NS Based on **Biota**
 AQL assessment quality (Excellent, good, fair, poor) Good
 Factors used, please describe
 A. Timing of exceedances _____
 B. Magnitude of exceedances _____
 C. Seasonality of exceedances _____
 D. Naturally occurring conditions _____
 E. Combination of narrative and numeric standards _____
 F. Known point and nonpoint influences in the watershed _____
 G. Additional data _____
 Aquatic recreation use—preliminary assessment NA Final assessment NA
 AR assessment quality (Excellent, good, fair, poor) _____
 Fish consumption use _____
 1998 TMDL listing (Y/N) N Which pollutants _____
 2002 TMDL listing (Y/N) N Which pollutants _____
 2004 Impairment (4 or 5) (Y/N) Y Which pollutants Impaired Biota
 Delisting status (if applicable) _____
 IAR category 5
 Additional Comments *labeled County Ditch 104 in Gazetteer;

AUID **07020004** Seg Miles **568 None 1.14** Reach Name **Hawk Cr** Reach Description **Unnamed Cr to Unnamed Cr**
 Aquatic life—preliminary assessment FS Final assessment FS Based on Biota
 AQL assessment quality (Excellent, good, fair, poor) Good
 Factors used, please describe
 A. Timing of exceedances _____
 B. Magnitude of exceedances _____
 C. Seasonality of exceedances _____
 D. Naturally occurring conditions _____
 E. Combination of narrative and numeric standards _____
 F. Known point and nonpoint influences in the watershed _____
 G. Additional data _____
 Aquatic recreation use—preliminary assessment NA Final assessment NA
 AR assessment quality (Excellent, good, fair, poor) _____
 Fish consumption use NA
 1998 TMDL listing (Y/N) N Which pollutants _____
 2002 TMDL listing (Y/N) N Which pollutants _____
 2004 Impairment (4 or 5) (Y/N) N Which pollutants _____
 Delisting status (if applicable) _____
 IAR category 2
 Additional Comments: _____

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AUID	Seg	Miles	Reach Name	Reach Description
07020004 571	None	3.11	Unnamed Cr	Unnamed Cr to Unnamed Cr
Aquatic life—preliminary assessment <u> NS </u> Final assessment <u> NA* </u> Based on				
AQL assessment quality (Excellent, good, fair, poor)_____				
Factors used, please describe				
A. Timing of exceedances _____				
B. Magnitude of exceedances _____				
C. Seasonality of exceedances _____				
D. Naturally occurring conditions _____				
E. Combination of narrative and numeric standards _____				
F. Known point and nonpoint influences in the watershed _____				
G. Additional data _____				
Aquatic recreation use—preliminary assessment <u> NA </u> Final assessment <u> NA* </u>				
AR assessment quality (Excellent, good, fair, poor)_____				
Fish consumption use _____				
1998 TMDL listing (Y/N) <u> N </u> Which pollutants _____				
2002 TMDL listing (Y/N) <u> N </u> Which pollutants _____				
2004 Impairment (4 or 5) (Y/N) <u> N* </u> Which pollutants _____				
Delisting status (if applicable) _____				
IAR category _____				
Additional Comments <u> * no assessment: this stream reach is channelized with a drainage area of less than 20 sq. mi. </u>				

AUID	Seg	Miles	Reach Name	Reach Description
07020004 576	013*	11.78	Chetomba Cr	Class 7 portion
Aquatic life—preliminary assessment <u> NS </u> Final assessment <u> NA </u> Based on USE CLASS				
AQL assessment quality (Excellent, good, fair, poor)_____				
Factors used, please describe				
A. Timing of exceedances _____				
B. Magnitude of exceedances _____				
C. Seasonality of exceedances _____				
D. Naturally occurring conditions _____				
E. Combination of narrative and numeric standards _____				
F. Known point and nonpoint influences in the watershed _____				
G. Additional data _____				
Aquatic recreation use—preliminary assessment <u> NA </u> Final assessment <u> NA </u>				
AR assessment quality (Excellent, good, fair, poor)_____				
Fish consumption use _____				
1998 TMDL listing (Y/N) <u> N </u> Which pollutants _____				
2002 TMDL listing (Y/N) <u> N </u> Which pollutants _____				
2004 Impairment (4 or 5) (Y/N) <u> N </u> Which pollutants _____				
Delisting status (if applicable) _____				
IAR category _____				
Additional Comments _____				

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AUID 07020005 Seg Miles 502 001 3.2 Reach Name Chippewa R Reach Description Dry Weather Cr to Watson Sag Diversion
 Aquatic life—preliminary assessment NS Final assessment NA Based on _____
 AQL assessment quality (Excellent, good, fair, poor) _____
 Factors used, please describe _____
 A. Timing of exceedances _____
 B. Magnitude of exceedances _____
 C. Seasonality of exceedances _____
 D. Naturally occurring conditions _____
 E. Combination of narrative and numeric standards _____
 F. Known point and nonpoint influences in the watershed _____
 G. Additional data _____
 Aquatic recreation use—preliminary assessment NA Final assessment NA _____
 AR assessment quality (Excellent, good, fair, poor) _____
 Fish consumption use NS _____
 1998 TMDL listing (Y/N) Y Which pollutants Ammonia, fecal coliform (Seg 001) (see NHD event 501)
 2002 TMDL listing (Y/N) N Which pollutants _____
 2004 Impairment (4 or 5) (Y/N) N Which pollutants _____
 Delisting status (if applicable) not listed due to split based on distinct WQ _____
 IAR category _____
 Additional Comments: **Observations other than FCA are all downstream of the Diversion Channel (NHD event 501) ;**

AUID 07020005 Seg Miles 509 002 17.14 Reach Name Dry Weather Cr Reach Description Headwaters to Chippewa R
 Aquatic life—preliminary assessment FS Final assessment FS Based on BIOTA
 AQL assessment quality (Excellent, good, fair, poor) Good _____
 Factors used, please describe _____
 A. Timing of exceedances _____
 B. Magnitude of exceedances _____
 C. Seasonality of exceedances _____
 D. Naturally occurring conditions _____
 E. Combination of narrative and numeric standards _____
 F. Known point and nonpoint influences in the watershed _____
 G. Additional data 4 years of CWP monitoring not in STORET yet
 Aquatic recreation use—preliminary assessment NA Final assessment NA _____
 AR assessment quality (Excellent, good, fair, poor) _____
 Fish consumption use _____
 1998 TMDL listing (Y/N) N Which pollutants _____
 2002 TMDL listing (Y/N) N Which pollutants _____
 2004 Impairment (4 or 5) (Y/N) N Which pollutants _____
 Delisting status (if applicable) _____
 IAR category 2 _____
 Additional Comments _____

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AUID	Seg	Miles	Reach Name	Reach Description
07020005	511	123	4.63	Cottonwood Cr Class 1B,2A, 3B to Chippewa R
Aquatic life—preliminary assessment <u>NS</u> Final assessment <u>NA*</u> Based on				
AQL assessment quality (Excellent, good, fair, poor) _____				
Factors used, please describe				
A. Timing of exceedances _____				
B. Magnitude of exceedances _____				
C. Seasonality of exceedances _____				
D. Naturally occurring conditions _____				
E. Combination of narrative and numeric standards _____				
F. Known point and nonpoint influences in the watershed _____				
G. Additional data _____				
Aquatic recreation use—preliminary assessment <u>NA</u> Final assessment <u>NA</u>				
AR assessment quality (Excellent, good, fair, poor) _____				
Fish consumption use _____				
1998 TMDL listing (Y/N) <u>N</u> Which pollutants _____				
2002 TMDL listing (Y/N) <u>N</u> Which pollutants _____				
2004 Impairment (4 or 5) (Y/N) <u>N</u> Which pollutants _____				
Delisting status (if applicable) _____				
IAR category _____				
Additional Comments <u>Disc. of variability of the IBI results; anecdotal acct. of visit to stream offered better impression of WQ than score shows.</u>				
<u>*12-3-03 Bio Unit review determined that this is a coldwater stream, for which the IBI in inapplicable.</u>				

AUID	Seg	Miles	Reach Name	Reach Description
07020005	528	115	3.8	Signalness Cr Headwaters to Outlet Cr
Aquatic life—preliminary assessment <u>NS</u> Final assessment <u>FS</u> Based on Biota				
AQL assessment quality (Excellent, good, fair, poor) <u>Good</u>				
Factors used, please describe				
A. Timing of exceedances _____				
B. Magnitude of exceedances _____				
C. Seasonality of exceedances _____				
D. Naturally occurring conditions _____				
E. Combination of narrative and numeric standards _____				
F. Known point and nonpoint influences in the watershed _____				
G. Additional data _____				
Aquatic recreation use—preliminary assessment <u>NA</u> Final assessment <u>NA</u>				
AR assessment quality (Excellent, good, fair, poor) _____				
Fish consumption use _____				
1998 TMDL listing (Y/N) <u>N</u> Which pollutants _____				
2002 TMDL listing (Y/N) <u>N</u> Which pollutants _____				
2004 Impairment (4 or 5) (Y/N) <u>N</u> Which pollutants _____				
Delisting status (if applicable) _____				
IAR category <u>2</u>				
Additional Comments <u>This reach was originally assessed as non-supporting ALUS for Biota, and listed on the draft list, but was reassessed as supporting based on adjustments to the IBI scoring methodology in response to comments received during the public comment period. See BarrTMDLlist.doc.</u>				

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AUID 07020005 Seg Miles 544 None 3.01 Reach Name Spring Cr Reach Description CD 67 to CD 59
Aquatic life—preliminary assessment NS Final assessment NA* Based on
AQL assessment quality (Excellent, good, fair, poor)
Factors used, please describe
A. Timing of exceedances
B. Magnitude of exceedances
C. Seasonality of exceedances
D. Naturally occurring conditions
E. Combination of narrative and numeric standards
F. Known point and nonpoint influences in the watershed
G. Additional data
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor)
Fish consumption use
1998 TMDL listing (Y/N) N Which pollutants
2002 TMDL listing (Y/N) N Which pollutants
2004 Impairment (4 or 5) (Y/N) N Which pollutants
Delisting status (if applicable)
IAR category
Additional Comments * **no assessment: this stream reach is channelized with a drainage area of less than 20 sq. mi.**

AUID 07020005 Seg Miles 546 None 6.87 Reach Name Judicial Ditch 8 Reach Description Unnamed Cr to Unnamed Ditch
Aquatic life—preliminary assessment NS Final assessment NS Based on Biota
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances
B. Magnitude of exceedances
C. Seasonality of exceedances
D. Naturally occurring conditions
E. Combination of narrative and numeric standards
F. Known point and nonpoint influences in the watershed
G. Additional data
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor)
Fish consumption use
1998 TMDL listing (Y/N) N Which pollutants
2002 TMDL listing (Y/N) N Which pollutants
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Impaired Biota
Delisting status (if applicable)
IAR category 5
Additional Comments

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AUID 07020005 548 Seg Miles None 3.49 Reach Name Unnamed Ditch Reach Description Unnamed Cr to Unnamed Ditch
Aquatic life—preliminary assessment NS Final assessment NA* Based on
AQL assessment quality (Excellent, good, fair, poor) _____
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA*
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use _____
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) N* Which pollutants _____
Delisting status (if applicable) _____
IAR category _____
Additional Comments * no assessment: this stream reach is channelized with a drainage area of less than 20 sq. mi.

AUID 07020005 551 Seg Miles None 2.3 Reach Name Mud Cr Reach Description Class 1B, 2A,3B portion
Aquatic life—preliminary assessment FS Final assessment FS Based on Biota
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) N Which pollutants _____
Delisting status (if applicable) _____
IAR category 2
Additional Comments: _____

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AUID Seg Miles Reach Name Reach Description
07020006 501 001 4.05 Redwood R Ramsey Cr to Minnesota R

Aquatic life—preliminary assessment NS Final assessment NS Based on **Turbidity**
AQL assessment quality (Excellent, good, fair, poor) **Good**
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NS Final assessment **PS**
AR assessment quality (Excellent, good, fair, poor) **Excellent**
Fish consumption use NS
1998 TMDL listing (Y/N) **Y** Which pollutants **Fecal coliform, mercury**
2002 TMDL listing (Y/N) **Y** Which pollutants **Fecal coliform, mercury**
2004 Impairment (4 or 5) (Y/N) **Y** Which pollutants **Fecal coliform, mercury, turbidity**
Delisting status (if applicable) _____
IAR category **5**
Additional Comments: _____

AUID Seg Miles Reach Name Reach Description
07020006 502 106 26.25 Redwood R Below Trout Stream portion to Threemile Cr

Aquatic life—preliminary assessment NS Final assessment NS Based on **Biota**
AQL assessment quality (Excellent, good, fair, poor) **Good**
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NS- Final assessment NS
AR assessment quality (Excellent, good, fair, poor) **Good**
Fish consumption use NS
1998 TMDL listing (Y/N) **Y** Which pollutants **NH3, DO, mercury**
2002 TMDL listing (Y/N) **Y** Which pollutants **Fecal coliform, Biology, ammonia, mercury**
2004 Impairment (4 or 5) (Y/N) **Y** Which pollutants **Fecal coliform, Biology, ammonia, mercury**
Delisting status (if applicable) **Has been delisted for DO, delisting for ammonia was considered, there were QAQC issues, Carol is working with Roger—not yet ready to delist** _____
IAR category _____
Additional Comments: **Marshall Office set to do low flow ammonia monitoring if conditions occur this year.**

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AUID Seg Miles Reach Name Reach Description
0702006 505 009 32.71 Redwood R Headwaters to Coon Creek
Aquatic life—preliminary assessment FS Final assessment FS Based on Biota
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NS
1998 TMDL listing (Y/N) Y Which pollutants Mercury
2002 TMDL listing (Y/N) Y Which pollutants Mercury, biology
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Mercury, biology
Delisting status (if applicable) recommend delisting review for Biology
IAR category 5
Additional Comments: **Tim L.: this could be an actual iimprovement because of all the work in the WD; recommend for delisting; recent revisits (2001) for Bio show improvement**

AUID Seg Miles Reach Name Reach Description
07020006 506 010 24.83 Clear Cr Headwaters to Redwood R
Aquatic life—preliminary assessment FS Final assessment NA Based on _____
AQL assessment quality (Excellent, good, fair, poor) _____
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data WD has additional data that will be in STORET for next cycle
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) N Which pollutants _____
Delisting status (if applicable) _____
IAR category 2
Additional Comments (2001)Good IBI; Pat looked at this; Jim Doering at RCRCA says this is one of their nice small streams; TSS samples not really representative because of the design of monitoring to measure loads. More data will be available next cycle.

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AUID Seg Miles Reach Name Reach Description
07020006 509 203 13.43 Redwood R Clear Cr to dam, excluding Lk
Aquatic life—preliminary assessment FS Final assessment NS Based on turbidity
AQL assessment quality (Excellent, good, fair, poor) fair
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data **TSS is consistent with listing for turbidity; USACE has more data on this reach**
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NS
1998 TMDL listing (Y/N) Y Which pollutants Mercury
2002 TMDL listing (Y/N) Y Which pollutants Mercury, turbidity based on TSS
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Mercury, turbidity based on TSS
Delisting status (if applicable) _____
IAR category 5
Additional Comments Biology indicates fully supporting

AUID Seg Miles Reach Name Reach Description
07020006 511 007 32.42 Coon Cr Lk Benton to Redwood R
Aquatic life—preliminary assessment NS Final assessment NS Based on **Biota**
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use _____
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Impaired Biota
Delisting status (if applicable) _____
IAR category 5
Additional Comments Scott N.– some of the worst algae seen in a stream

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AUID Seg Miles Reach Name Reach Description
07020006 518 None 1.72 JD 33 CD 35 to Unnamed Cr

Aquatic life—preliminary assessment NS Final assessment NA* Based on
AQL assessment quality (Excellent, good, fair, poor) _____

Factors used, please describe

A. Timing of exceedances _____

B. Magnitude of exceedances _____

C. Seasonality of exceedances _____

D. Naturally occurring conditions _____

E. Combination of narrative and numeric standards _____

F. Known point and nonpoint influences in the watershed _____

G. Additional data _____ Aquatic recreation use—preliminary
assessment NA Final assessment NA*

AR assessment quality (Excellent, good, fair, poor) _____

Fish consumption use _____

1998 TMDL listing (Y/N) N Which pollutants _____

2002 TMDL listing (Y/N) N Which pollutants _____

2004 Impairment (4 or 5) (Y/N) N* Which pollutants _____

Delisting status (if applicable) _____

IAR category _____

Additional Comments * no assessment: this stream reach is channelized with a drainage area of less than 20 sq. mi.

AUID Seg Miles Reach Name Reach Description
07020006 512 209 5.01 JD 12 CD 14 to Redwood R

Aquatic life—preliminary assessment NA Final assessment NA Based on
AQL assessment quality (Excellent, good, fair, poor) _____

Factors used, please describe

A. Timing of exceedances _____

B. Magnitude of exceedances _____

C. Seasonality of exceedances _____

D. Naturally occurring conditions _____

E. Combination of narrative and numeric standards _____

F. Known point and nonpoint influences in the watershed _____

G. Additional data JD 12 aka Tyler Creek

Aquatic recreation use—preliminary assessment NA Final assessment _____

AR assessment quality (Excellent, good, fair, poor) _____

Fish consumption use _____

1998 TMDL listing (Y/N) N Which pollutants _____

2002 TMDL listing (Y/N) Y Which pollutants Fecal coliform

2004 Impairment (4 or 5) (Y/N) Y Which pollutants Fecal coliform

Delisting status (if applicable) _____

IAR category 5

Additional Comments: **Not enough TSS data; no new TSS data. Early MRAP IBI indicates support aquatic life use but it was judged inadequate for assessment at that time and will not be used now. Not enough additional data in the 2004 assessment time period to assess.**

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AUID Seg Miles Reach Name Reach Description
07020007 502 003 16.84 Minnesota R Blue Earth to Shahaska Cr

Aquatic life—preliminary assessment **FS** Final assessment **FS** Based on current dataset

AQL assessment quality (Excellent, good, fair, poor) Fair

Factors used, please describe

A. Timing of exceedances _____

B. Magnitude of exceedances _____

C. Seasonality of exceedances _____

D. Naturally occurring conditions _____

E. Combination of narrative and numeric standards _____

F. Known point and nonpoint influences in the watershed _____

G. Additional data _____

Aquatic recreation use—preliminary assessment NA Final assessment NS

AR assessment quality (Excellent, good, fair, poor) Fair

Fish consumption use NS

1998 TMDL listing (Y/N) Y Which pollutants Fecal coliform, mercury, PCB

2002 TMDL listing (Y/N) Y Which pollutants Turbidity; Fecal coliform, mercury, PCB

2004 Impairment (4 or 5) (Y/N) Y Which pollutants Turbidity; Fecal coliform, mercury, PCB

Delisting status (if applicable) _____

IAR category 5

Additional Comments: _____

AUID Seg Miles Reach Name Reach Description
07020007 503 010 7.2 Minnesota R Cottonwood R to Little Cottonwood R

Aquatic life—preliminary assessment NS Final assessment NS Based on Turbidity

AQL assessment quality (Excellent, good, fair, poor) Good

Factors used, please describe

A. Timing of exceedances _____

B. Magnitude of exceedances _____

C. Seasonality of exceedances _____

D. Naturally occurring conditions _____

E. Combination of narrative and numeric standards _____

F. Known point and nonpoint influences in the watershed _____

G. Additional data _____

Aquatic recreation use—preliminary assessment NS Final assessment **FS**

AR assessment quality (Excellent, good, fair, poor) Good

Fish consumption use NS

1998 TMDL listing (Y/N) Y Which pollutants Fecal coliform, mercury, PCB

2002 TMDL listing (Y/N) Y Which pollutants Turbidity, mercury, PCB

2004 Impairment (4 or 5) (Y/N) Y Which pollutants Turbidity, mercury, PCB

Delisting status (if applicable) Was delisted for fecal coliform

IAR category 5

Additional Comments: Good IBI score of 42 on this reach

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AUID **07020007 505** Seg Miles **005 8.44** Reach Name **Minnesota R** Reach Description **Swan Lk Outlet to Minneopa Cr**
Aquatic life—preliminary assessment NA Final assessment NA Based on **current dataset**
AQL assessment quality (Excellent, good, fair, poor) _____
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment PS Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NS
1998 TMDL listing (Y/N) N Which pollutants Mercury, PCBs
2002 TMDL listing (Y/N) Y Which pollutants Turbidity, mercury, PCBs
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Turbidity, mercury, PCBs
Delisting status (if applicable) _____
IAR category 5
Additional Comments _____

AUID **07020007 508** Seg Miles **011 19.87** Reach Name **Minnesota R** Reach Description **Eightmile Cr to Cottonwood R**
Aquatic life—preliminary assessment FS Final assessment FS Based on **current dataset - Biota**
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment PS Final assessment FS
AR assessment quality (Excellent, good, fair, poor) Fair
Fish consumption use NS
1998 TMDL listing (Y/N) Y Which pollutants Mercury, PCBs
2002 TMDL listing (Y/N) Y Which pollutants Mercury, PCBs, turbidity estimated from TSS
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Mercury, PCBs, turbidity estimated from TSS
Delisting status (if applicable) _____
IAR category 5
Additional Comments while current dataset of biological assessments indicates full support for ALUS, insufficient turbidity data is available to review for delisting

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AUID 07020007 Seg Miles 511 016 6.86 Reach Name Minnesota R Reach Description Fort Ridgely Cr to Spring Cr
Aquatic life—preliminary assessment FS Final assessment FS Based on Biota
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment FS Final assessment FS
AR assessment quality (Excellent, good, fair, poor) Fair
Fish consumption use NS
1998 TMDL listing (Y/N) Y Which pollutants Mercury, PCBs
2002 TMDL listing (Y/N) Y Which pollutants Mercury, PCBs
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Mercury, PCBs
Delisting status (if applicable) _____
IAR category 5
Additional Comments: **If 10 samples in Aug., Sept. don't violate, this is a good sign; looked at several contiguous segments – all support fully supporting for recreation.**

AUID 07020007 Seg Miles 512 018 14.12 Reach Name Minnesota R Reach Description Wabasha Cr to Fort Ridgely Cr
Aquatic life—preliminary assessment NA Final assessment NA Based on _____
AQL assessment quality (Excellent, good, fair, poor) _____
Factors used, please describe
A. Timing of exceedances **FC samples in Aug and Sept '97**
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment PS Final assessment FS
AR assessment quality (Excellent, good, fair, poor) Fair
Fish consumption use NS
1998 TMDL listing (Y/N) Y Which pollutants Mercury, PCBs
2002 TMDL listing (Y/N) Y Which pollutants Mercury, PCBs
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Mercury, PCBs
Delisting status (if applicable) _____
IAR category 5
Additional Comments Same data in 2002 indicated FS for recreation

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AUID Seg Miles Reach Name Reach Description
07020007 513 019 7.9 Minnesota R Birch Coulee to Wabasha Cr
Aquatic life—preliminary assessment NA Final assessment NA Based on _____
AQL assessment quality (Excellent, good, fair, poor) _____
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment _____
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NS _____
1998 TMDL listing (Y/N) Y Which pollutants Mercury, PCBs _____
2002 TMDL listing (Y/N) Y Which pollutants Mercury, PCBs _____
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Mercury, PCBs _____
Delisting status (if applicable) _____
IAR category 5 _____
Additional Comments Assessed for recreation in 2002—FS _____

AUID Seg Miles Reach Name Reach Description
07020007 514 021 9.12 Minnesota R Beaver Cr to Birch Coulee
Aquatic life—preliminary assessment FS Final assessment NS Based on Turbidity
AQL assessment quality (Excellent, good, fair, poor) Good _____
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NS Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NS _____
1998 TMDL listing (Y/N) Y Which pollutants Mercury, PCBs _____
2002 TMDL listing (Y/N) Y Which pollutants Turbidity, mercury, PCBs _____
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Turbidity, mercury, PCBs _____
Delisting status (if applicable) _____
IAR category 5 _____
Additional Comments TSS consistent with turbidity assessment. _____

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AUID Seg Miles Reach Name Reach Description
07020007 515 024 74.39 Little Cottonwood Headwaters to Minnesota R
Aquatic life—preliminary assessment FS Final assessment FS Based on Biota
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) N Which pollutants _____
Delisting status (if applicable) _____
IAR category 2
Additional Comments: **long reach but 2 sites upstream, 1 downstream. Let stand for now.**

AUID Seg Miles Reach Name Reach Description
07020007 516 NA 5.91 CD 46A Headwaters to Sevenmile Creek
Aquatic life—preliminary assessment NS Final assessment NA* Based on _____
AQL assessment quality (Excellent, good, fair, poor) _____
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA*
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use _____
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) N* Which pollutants _____
Delisting status (if applicable) _____
IAR category _____
Additional Comments * no assessment: this stream reach is channelized with a drainage area of less than 20 sq. mi.

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AUID Seg Miles Reach Name Reach Description
07020007 529 **023 12.8** **Spring Cr** **Headwaters to Minnesota R**
Aquatic life—preliminary assessment **FS** Final assessment **FS** Based on **Biota**
AQL assessment quality (Excellent, good, fair, poor) **Good**
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data **NA**
Aquatic recreation use—preliminary assessment **NA** Final assessment **NA**
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use _____
1998 TMDL listing (Y/N) **N** Which pollutants _____
2002 TMDL listing (Y/N) **N** Which pollutants _____
2004 Impairment (4 or 5) (Y/N) **N** Which pollutants _____
Delisting status (if applicable) _____
IAR category **2**
Additional Comments _____

AUID Seg Miles Reach Name Reach Description
07020007 547 **None 1.4** **Rogers Cr** **Unnamed Cr to Minnesota R**
Aquatic life—preliminary assessment **NS** Final assessment **NS** Based on **Biota**
AQL assessment quality (Excellent, good, fair, poor) **Good**
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment **NA** Final assessment **NA**
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use _____
1998 TMDL listing (Y/N) **N** Which pollutants _____
2002 TMDL listing (Y/N) **N** Which pollutants _____
2004 Impairment (4 or 5) (Y/N) **Y** Which pollutants **Impaired Biota**
Delisting status (if applicable) _____
IAR category **5**
Additional Comments _____

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AUID **07020007 548** Seg Miles **None 2** Reach Name **Unnamed Cr** Reach Description **Unnamed Cr to Little Cottonwood R**
Aquatic life—preliminary assessment FS Final assessment NA* Based on
AQL assessment quality (Excellent, good, fair, poor) _____
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA*
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use _____
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) N* Which pollutants _____
Delisting status (if applicable) _____
IAR category _____
Additional Comments * no assessment: this stream reach is channelized with a drainage area of less than 20 sq. mi.

AUID **07020007 549** Seg Miles **None 2.81** Reach Name **Unnamed Cr** Reach Description **Unnamed Cr to Unnamed Cr**
Aquatic life—preliminary assessment NS Final assessment NA* Based on
AQL assessment quality (Excellent, good, fair, poor) _____
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA*
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use _____
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) N* Which pollutants _____
Delisting status (if applicable) _____
IAR category _____
Additional Comments site sampled on this reach is 5 miles NE of Mankato
* no assessment: this stream reach is channelized with a drainage area of less than 20 sq. mi.

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AUID Seg Miles Reach Name Reach Description
07020008 501 001 23.98 Cottonwood R JD 30 to Minnesota R
Aquatic life—preliminary assessment NS Final assessment NS Based on **Turbidity**
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NS Final assessment PS
AR assessment quality (Excellent, good, fair, poor) Good
Fish consumption use NS
1998 TMDL listing (Y/N) Y Which pollutants Fecal coliform, mercury
2002 TMDL listing (Y/N) Y Which pollutants Turbidity, Fecal coliform, mercury
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Turbidity, Fecal coliform, mercury
Delisting status (if applicable) _____
IAR category 5
Additional Comments _____

AUID Seg Miles Reach Name Reach Description
07020008 502 011 37.63 Cottonwood R Headwaters to Meadow Cr
Aquatic life—preliminary assessment FS Final assessment FS Based on **Biota**
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment _____
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NS
1998 TMDL listing (Y/N) Y Which pollutants Mercury
2002 TMDL listing (Y/N) Y Which pollutants Mercury
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Mercury
Delisting status (if applicable) _____
IAR category 5
Additional Comments _____

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AUID **07020008 508** Seg Miles **005 23.09** Reach Name **Cottonwood R** Reach Description **Coal Mine Cr to Sleepy Eye Cr**
Aquatic life—preliminary assessment FS Final assessment **FS** Based on **Biota**
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment _____
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NS
1998 TMDL listing (Y/N) Y Which pollutants Mercury
2002 TMDL listing (Y/N) Y Which pollutants Mercury
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Mercury
Delisting status (if applicable) _____
IAR category 5
Additional Comments _____

AUID **07020008 512** Seg Miles **004 50.91** Reach Name **Sleepy Eye Cr** Reach Description **Headwaters to Cottonwood R**
Aquatic life—preliminary assessment NS Final assessment NS Based on **Biota**
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use _____
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Impaired Biota
Delisting status (if applicable) _____
IAR category 5
Additional Comments _____

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AUID Seg Miles Reach Name Reach Description
07020008 519* **015 38.62 Highwater Cr Headwaters to Dutch Charlie Cr**
This new reach is redefined into two reaches (539 and 519) based on distinctive water quality as reflected in biota, and hydrologic features.

07020008 539 Highwater Cr Headwaters to Double Lk Outlet
Aquatic life—preliminary assessment NS Final assessment NA* Based on
AQL assessment quality (Excellent, good, fair, poor) _____
Aquatic recreation use—preliminary assessment NA Final assessment NA*
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use _____
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) N* Which pollutants _____
Delisting status (if applicable) _____
IAR category _____
Additional Comments * no assessment: this stream reach is channelized with a drainage area of less than 20 sq. mi.

07020008 519 Highwater Cr Double Lk Outlet to Dutch Charlie Cr
Aquatic life—preliminary assessment NS Final assessment FS Based on **Biota**
AQL assessment quality (Excellent, good, fair, poor) _____
Aquatic recreation use—preliminary assessment NA Final assessment _____
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) N Which pollutants _____
Delisting status (if applicable) _____
IAR category 2
Additional Comments _____

AUID Seg Miles Reach Name Reach Description
07020008 521 017 22.16 Mound Cr Headwaters to Cottonwood R
Aquatic life—preliminary assessment FS Final assessment FS Based on **BIOTA**
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) N Which pollutants _____
Delisting status (if applicable) _____
IAR category 2
Additional Comments _____

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AUID	Seg	Miles	Reach Name	Reach Description
07020008 523	208	19.96	Pell Cr	Headwaters to Cottonwood R
Aquatic life—preliminary assessment <u>FS</u> Final assessment <u>FS</u> Based on BIOTA				
AQL assessment quality (Excellent, good, fair, poor) <u>Good</u>				
Factors used, please describe				
A. Timing of exceedances _____				
B. Magnitude of exceedances _____				
C. Seasonality of exceedances _____				
D. Naturally occurring conditions _____				
E. Combination of narrative and numeric standards _____				
F. Known point and nonpoint influences in the watershed _____				
G. Additional data _____				
Aquatic recreation use—preliminary assessment <u>NA</u> Final assessment <u>NA</u>				
AR assessment quality (Excellent, good, fair, poor) _____				
Fish consumption use <u>NA</u>				
1998 TMDL listing (Y/N) <u>N</u> Which pollutants _____				
2002 TMDL listing (Y/N) <u>N</u> Which pollutants _____				
2004 Impairment (4 or 5) (Y/N) <u>N</u> Which pollutants _____				
Delisting status (if applicable) _____				
IAR category <u>2</u>				
Additional Comments _____				

AUID	Seg	Miles	Reach Name	Reach Description
07020008 529	None	1.31	Unnamed Cr	Unnamed Cr to Dutch Charlie Cr
Aquatic life—preliminary assessment <u>FS</u> Final assessment <u>FS</u> Based on BIOTA				
AQL assessment quality (Excellent, good, fair, poor) <u>Good</u>				
Factors used, please describe				
A. Timing of exceedances _____				
B. Magnitude of exceedances _____				
C. Seasonality of exceedances _____				
D. Naturally occurring conditions _____				
E. Combination of narrative and numeric standards _____				
F. Known point and nonpoint influences in the watershed _____				
G. Additional data _____				
Aquatic recreation use—preliminary assessment <u>NA</u> Final assessment <u>NA</u>				
AR assessment quality (Excellent, good, fair, poor) _____				
Fish consumption use <u>NA</u>				
1998 TMDL listing (Y/N) <u>N</u> Which pollutants _____				
2002 TMDL listing (Y/N) <u>N</u> Which pollutants _____				
2004 Impairment (4 or 5) (Y/N) <u>N</u> Which pollutants _____				
Delisting status (if applicable) _____				
IAR category <u>2</u>				
Additional Comments _____				

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AUID Seg Miles Reach Name Reach Description
07020008 530 None 5.63 West Br JD 30 Unnamed Cr to East Br JD 30
Aquatic life—preliminary assessment NS Final assessment NA* Based on
AQL assessment quality (Excellent, good, fair, poor) _____
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the
watershed _____
G. Additional data **Low DO meas. With Bio collection**
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use _____
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) N* Which pollutants _____
Delisting status (if applicable) _____
IAR category _____
Additional Comments *** no assessment: this stream reach is channelized with a drainage area of less than 20 sq. mi.**

AUID Seg Miles Reach Name Reach Description
07020008 531 None 1.56 Unnamed Cr Unnamed Cr to Mound Cr
Aquatic life—preliminary assessment NS Final assessment NA* Based on
AQL assessment quality (Excellent, good, fair, poor) _____
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the
watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use _____
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) N* Which pollutants _____
Delisting status (if applicable) _____
IAR category _____
Additional Comments *** no assessment: this stream reach is channelized with a drainage area of less than 20 sq. mi.**

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AUID	Seg	Miles	Reach Name	Reach Description
07020009 501	001	3.2	Blue Earth R	Le Sueur R to Minnesota R

Aquatic life—preliminary assessment NS Final assessment NS Based on **Turbidity**
 AQL assessment quality (Excellent, good, fair, poor) _____
 Factors used, please describe
 A. Timing of exceedances _____
 B. Magnitude of exceedances _____
 C. Seasonality of exceedances _____
 D. Naturally occurring conditions _____
 E. Combination of narrative and numeric standards _____
 F. Known point and nonpoint influences in the watershed _____
 G. Additional data _____
 Aquatic recreation use—preliminary assessment NS Final assessment NS
 AR assessment quality (Excellent, good, fair, poor) **Good**
 Fish consumption use NS
 1998 TMDL listing (Y/N) Y Which pollutants **Fecal coliform**
 2002 TMDL listing (Y/N) **Y** Which pollutants **Turbidity, Fecal coliform, mercury in water column and fish tissue**
 2004 Impairment (4 or 5) (Y/N) Y Which pollutants **Turbidity, Fecal coliform, mercury in water column and fish tissue**
 Delisting status (if applicable) _____
 IAR category 5
 Additional Comments '97-'98 also exceeded for Hg in water column

AUID	Seg	Miles	Reach Name	Reach Description
07020009 502	004	42.03	Elm Cr	Cedar Cr to Blue Earth R

Aquatic life—preliminary assessment NA Final assessment NA Based on **inadequate current dataset**
 AQL assessment quality (Excellent, good, fair, poor) **Fair**
 Factors used, please describe
 A. Timing of exceedances _____
 B. Magnitude of exceedances _____
 C. Seasonality of exceedances _____
 D. Naturally occurring conditions _____
 E. Combination of narrative and numeric standards _____
 F. Known point and nonpoint influences in the watershed _____
 G. Additional data _____
 Aquatic recreation use—preliminary assessment NS- Final assessment PS
 AR assessment quality (Excellent, good, fair, poor) **Fair**
 Fish consumption use NA
 1998 TMDL listing (Y/N) Y Which pollutants **Turbidity and Fecal Coliform**
 2002 TMDL listing (Y/N) Y Which pollutants **Turbidity and Fecal Coliform**
 2004 Impairment (4 or 5) (Y/N) Y Which pollutants **Turbidity and Fecal Coliform**
 Delisting status (if applicable) _____
 IAR category 5
 Additional Comments _____

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AUID	Seg	Miles	Reach Name	Reach Description
07020009	503	010 23.33	Center Cr	Lily Cr to Blue Earth River
Aquatic life—preliminary assessment <u> NS </u> Final assessment <u> NS </u> Based on Biota, turbidity				
AQL assessment quality (Excellent, good, fair, poor) <u> Good </u>				
Factors used, please describe				
A. Timing of exceedances: _____				
B. Magnitude of exceedances _____				
C. Seasonality of exceedances _____				
D. Naturally occurring conditions _____				
E. Combination of narrative and numeric standards _____				
F. Known point and nonpoint influences in the watershed _____				
G. Additional data _____				
Aquatic recreation use—preliminary assessment <u> NS </u> Final assessment <u> PS </u>				
AR assessment quality (Excellent, good, fair, poor) <u> Good </u>				
Fish consumption use <u> NA </u>				
1998 TMDL listing (Y/N) <u> Y </u> Which pollutants <u> ammonia, Fecal coliform </u>				
2002 TMDL listing (Y/N) <u> Y </u> Which pollutants <u> Turbidity, Fecal coliform, ammonia, impaired biota </u>				
2004 Impairment (4 or 5) (Y/N) <u> Y </u> Which pollutants <u> Turbidity, Fecal coliform, ammonia, impaired biota </u>				
Delisting status (if applicable) <u> recommend review for delisting for ammonia based on new data. </u>				
IAR category <u> 5 </u>				
Additional Comments: Additional ambient data has been collected .				

AUID	Seg	Miles	Reach Name	Reach Description
07020009	504	019 5.58	Blue Earth R	West Br Earth R to Coon Cr
Aquatic life—preliminary assessment <u> NS </u> Final assessment <u> NS </u> Based on Biota and Turbidity				
AQL assessment quality (Excellent, good, fair, poor) <u> Excellent </u>				
Factors used, please describe				
A. Timing of exceedances _____				
B. Magnitude of exceedances _____				
C. Seasonality of exceedances _____				
D. Naturally occurring conditions _____				
E. Combination of narrative and numeric standards _____				
F. Known point and nonpoint influences in the watershed _____				
G. Additional data _____				
Aquatic recreation use—preliminary assessment <u> NS </u> Final assessment <u> NS </u>				
AR assessment quality (Excellent, good, fair, poor) _____				
Fish consumption use <u> NS </u>				
1998 TMDL listing (Y/N) <u> Y </u> Which pollutants <u> Fecal coliform, mercury </u>				
2002 TMDL listing (Y/N) <u> Y </u> Which pollutants <u> Turbidity, Fecal coliform, mercury </u>				
2004 Impairment (4 or 5) (Y/N) <u> Y </u> Which pollutants <u> Turbidity, Fecal coliform, mercury. biota </u>				
Delisting status (if applicable) _____				
IAR category <u> 5 </u>				
Additional Comments _____				

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AUID Seg Miles Reach Name Reach Description
07020009 508 015 10.33 Blue Earth R East Br Blue Earth R to South Cr
Aquatic life—preliminary assessment NS Final assessment NS Based on **Turbidity, Biota**
AQL assessment quality (Excellent, good, fair, poor) Excellent
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NS
1998 TMDL listing (Y/N) Y Which pollutants Mercury
2002 TMDL listing (Y/N) Y Which pollutants: Turbidity, Biology, Mercury
2004 Impairment (4 or 5) (Y/N) Y Which pollutants: Turbidity, Biology, Mercury
Delisting status (if applicable) _____
IAR category 5
Additional Comments: _____

AUID Seg Miles Reach Name Reach Description
07020009 509 102 8.78 Blue Earth R Rapidan dam to Le Sueuer R
Aquatic life—preliminary assessment NA Final assessment NS Based on **turbidity**
AQL assessment quality (Excellent, good, fair, poor) _____
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data MCES has grab and event data both indicating >25% exceedances
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NS
1998 TMDL listing (Y/N) Y Which pollutants Mercury
2002 TMDL listing (Y/N) Y Which pollutants Mercury
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Turbidity, Mercury in fish tissue and water column
Delisting status (if applicable) _____
IAR category 5
Additional Comments Good Fish IBI score, but significant turbidity problems

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AUID Seg Miles Reach Name Reach Description
07020009 555 024 12.33 Brush Cr Headwaters to East Br Blue Earth R

Aquatic life—preliminary assessment FS Final assessment NS Based on **BIOTA**
AQL assessment quality (Excellent, good, fair, poor) Good

Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____

Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NA

1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Impaired Biota

Delisting status (if applicable) _____
IAR category 5

Additional Comments **This reach was originally assessed as supporting ALUS based on Biota, but was reassessed as non-supporting based on adjustments to the IBI scoring methodology in response to comments received during the public comment period. Reassessment score was 29, which is below the IBI score threshold of 30 for the MN R Basin. See BarrTMDLlist.doc.**

AUID Seg Miles Reach Name Reach Description
07020010 501 001 17.53 Watonwan R Perch Cr to Blue Earth R

Aquatic life—preliminary assessment NS Final assessment NS Based on **Turbidity**
AQL assessment quality (Excellent, good, fair, poor) Good

Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____

Aquatic recreation use—preliminary assessment NS Final assessment NS
AR assessment quality (Excellent, good, fair, poor) Good

Fish consumption use NS

1998 TMDL listing (Y/N) Y Which pollutants Fecal coliform

2002 TMDL listing (Y/N) Y Which pollutant Turbidity, Fecal coliform, mercury in water column

2004 Impairment (4 or 5) (Y/N) Y Which pollutant Turbidity, Fecal coliform, mercury in water column

Delisting status (if applicable) _____
IAR category 5

Additional Comments _____

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AUID Seg Miles Reach Name Reach Description
07020010 503(Split) 209 15.63 St James Cr Above Class 7 Waters

-due to review of 7050 use classes and lakes on the reach, 503 is split into -528-532; the station with TSS data is on the 528 portion.

07020010 528 7.45 St. James Cr Headwaters to Kansas Lk

Aquatic life—preliminary assessment NS Final assessment NA Based on **current dataset**

AQL assessment quality (Excellent, good, fair, poor) _____

Factors used, please describe

A. Timing of exceedances _____

B. Magnitude of exceedances _____

C. Seasonality of exceedances _____

D. Naturally occurring conditions _____

E. Combination of narrative and numeric standards _____

F. Known point and nonpoint influences in the watershed _____

G. Additional data _____

Aquatic recreation use—preliminary assessment NA Final assessment NA

AR assessment quality (Excellent, good, fair, poor) _____

Fish consumption use _____

1998 TMDL listing (Y/N) N Which pollutants _____

2002 TMDL listing (Y/N) Y Which pollutants Turbidity estimated from TSS

2004 Impairment (4 or 5) (Y/N) Y Which pollutants Turbidity estimated from TSS

Delisting status (if applicable) _____

IAR category 5

Additional Comments: **Probably tertiary MRAP site so is not just event sampling in 1991 & 1992.**

No new data for 2004 assessment.

The station on this reach is SJC-21.2. The other station on old 503, SJC-14.4 on AUID 532 had only one TSS value.

AUID Seg Miles Reach Name Reach Description

07020010 505 NA 2.88 Unnamed Cr Headwaters to Mountain Lk

Aquatic life—preliminary assessment NS Final assessment NA* Based on

AQL assessment quality (Excellent, good, fair, poor) _____

Factors used, please describe

A. Timing of exceedances _____

B. Magnitude of exceedances _____

C. Seasonality of exceedances _____

D. Naturally occurring conditions _____

E. Combination of narrative and numeric standards _____

F. Known point and nonpoint influences in the watershed _____

G. Additional data _____

Aquatic recreation use—preliminary assessment NA Final assessment NA*

AR assessment quality (Excellent, good, fair, poor) _____

Fish consumption use _____

1998 TMDL listing (Y/N) N Which pollutants _____

2002 TMDL listing (Y/N) N Which pollutants _____

2004 Impairment (4 or 5) (Y/N) N* Which pollutants _____

Delisting status (if applicable) _____

IAR category _____

Additional Comments *** no assessment: this stream reach is channelized with a drainage area of less than 20 sq. mi.**

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AUID	Seg	Miles	Reach Name	Reach Description
07020010	517	010	20.47	South Fk Watonwan Willow Cr to Watonwan R
Aquatic life—preliminary assessment <u>FS</u> Final assessment <u>FS</u> Based on BIOTA				
AQL assessment quality (Excellent, good, fair, poor) <u>Good</u>				
Factors used, please describe				
A. Timing of exceedances _____				
B. Magnitude of exceedances _____				
C. Seasonality of exceedances _____				
D. Naturally occurring conditions _____				
E. Combination of narrative and numeric standards _____				
F. Known point and nonpoint influences in the watershed _____				
G. Additional data _____				
Aquatic recreation use—preliminary assessment <u>NA</u> Final assessment <u>NA</u>				
AR assessment quality (Excellent, good, fair, poor) _____				
Fish consumption use <u>NA</u>				
1998 TMDL listing (Y/N) <u>N</u> Which pollutants _____				
2002 TMDL listing (Y/N) <u>N</u> Which pollutants _____				
2004 Impairment (4 or 5) (Y/N) <u>N</u> Which pollutants _____				
Delisting status (if applicable) _____				
IAR category <u>2</u>				
Additional Comments _____				

AUID	Seg	Miles	Reach Name	Reach Description
07020010	523	015	9.91	Perch Cr Spring Cr to Watonwan R
Aquatic life—preliminary assessment <u>FS</u> Final assessment <u>FS</u> Based on BIOTA				
AQL assessment quality (Excellent, good, fair, poor) <u>Good</u>				
Factors used, please describe				
A. Timing of exceedances _____				
B. Magnitude of exceedances _____				
C. Seasonality of exceedances _____				
D. Naturally occurring conditions _____				
E. Combination of narrative and numeric standards _____				
F. Known point and nonpoint influences in the watershed _____				
G. Additional data _____				
Aquatic recreation use—preliminary assessment <u>NA</u> Final assessment <u>NA</u>				
AR assessment quality (Excellent, good, fair, poor) _____				
Fish consumption use <u>NA</u>				
1998 TMDL listing (Y/N) <u>N</u> Which pollutants _____				
2002 TMDL listing (Y/N) <u>N</u> Which pollutants _____				
2004 Impairment (4 or 5) (Y/N) <u>N</u> Which pollutants _____				
Delisting status (if applicable) _____				
IAR category <u>2</u>				
Additional Comments _____				

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AUID Seg Miles Reach Name Reach Description
07020011 501 001 5.92 Le Sueur Maple R to Blue Earth R
Aquatic life—preliminary assessment NA Final assessment **NA on current dataset; carry forward turbidity listing**
AQL assessment quality (Excellent, good, fair, poor) _____
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NS
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants **Turbidity, mercury in water column and fish tissue**
2004 Impairment (4 or 5) (Y/N) **Y** Which pollutants **Turbidity, mercury in water column and fish tissue**
Delisting status (if applicable) _____
IAR category 5
Additional Comments: _____

AUID Seg Miles Reach Name Reach Description
07020011 503 110 3.03 Unnamed Cr(Beauford Dt) Headwaters to Cobb R
Aquatic life—preliminary assessment FS Final assessment **NS** Based on **Turbidity***
AQL assessment quality (Excellent, good, fair, poor) Fair
Factors used, please describe
A. Timing of exceedances **_21% exceed on all, 17% exceed on grab in current MCES data**
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data ***2002 MCES data brought to PJG confirms continued turbidity non-support**
Aquatic recreation use—preliminary assessment NS Final assessment NS
AR assessment quality (Excellent, good, fair, poor) Good
Fish consumption use NS
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants **Turbidity, PCB & mercury in water column**
2004 Impairment (4 or 5) (Y/N) **Y** Which pollutants **Turbidity, Fecal Coliform, PCB & mercury in water column**
Delisting status (if applicable) _____
IAR category 5
Additional Comments: **Know that current BMPs are addressing FC, 2002 data set shows some FC data improvement since 1998; septic system upgraded with 319 money, and cattle moved. 2004—no new FC data since 2002.**

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AUID Seg Miles Reach Name Reach Description
07020011 504 018 16.27 Little Cobb R Bull Run Cr to Cobb R
Aquatic life—preliminary assessment FS Final assessment NS Based on **Turbidity and Biota**
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data with addition of MCES data, 30% grab samples exceed turbidity
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use _____
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants Turbidity, Biology
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Turbidity, Biology
Delisting status (if applicable) _____
IAR category 5
Additional Comments: **Scott called Kathy Lee for IBI from USGS.**

AUID Seg Miles Reach Name Reach Description
07020011 505 010 23.32 Cobb R Little Cobb R to End of Class 2c
(T107R27WS36)
Aquatic life—preliminary assessment NS Final assessment FS Based on Biota
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) N Which pollutants _____
Delisting status (if applicable) _____
IAR category 2
Additional Comments: **This reach was originally assessed as non-supporting (28) ALUS for Biota, and listed on the draft list, but was reassessed as supporting (32) based on adjustments to the IBI scoring methodology in response to comments received during the public comment period. See BarrTMDLlist.doc.**

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AUID Seg Miles Reach Name Reach Description
07020011 508 014 63.76 LeSueur R Headwaters to CD 6

Aquatic life—preliminary assessment FS Final assessment FS Based on **BIOTA**
AQL assessment quality (Excellent, good, fair, poor) Good

Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____

Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NA

1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) N Which pollutants _____
Delisting status (if applicable) _____
IAR category 2

Additional Comments based on USGS data collected in 1997

AUID Seg Miles Reach Name Reach Description
07020011 527 017 44.1 Cobb R Headwaters to Little Cobb R

Aquatic life—preliminary assessment NS Final assessment NS Based on **BIOTA**
AQL assessment quality (Excellent, good, fair, poor) Good

Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____

Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NS

1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Impaired Biota, Mercury in water column
Delisting status (if applicable) _____
IAR category 5

Additional Comments ALUS based on USGS data collected in 1997

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AUID Seg Miles Reach Name Reach Description
07020011 528 217 10.51 Cobb Cr Ditch to Cobb R
Aquatic life—preliminary assessment ___FS_ Final assessment _NA___ Based on **Use Class - 7**
AQL assessment quality (Excellent, good, fair, poor) _____
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment _NA___ Final assessment _____
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use _____ NA _____
1998 TMDL listing (Y/N) ___N_ Which pollutants _____
2002 TMDL listing (Y/N) ___N_ Which pollutants _____
2004 Impairment (4 or 5) (Y/N) ___ Which pollutants _____
Delisting status (if applicable) _____
IAR category _____
Additional Comments ___ **recommend reevaluation of Use Class assignment due to indications of healthy fish community** _____

AUID Seg Miles Reach Name Reach Description
07020011 531 003 23.05 Rice Cr Headwaters to Maple R
Aquatic life—preliminary assessment ___FS___ Final assessment _NA*___ Based on
AQL assessment quality (Excellent, good, fair, poor) _____
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment ___NA___ Final assessment ___NA*___
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use _____
1998 TMDL listing (Y/N) ___N_ Which pollutants _____
2002 TMDL listing (Y/N) ___N_ Which pollutants _____
2004 Impairment (4 or 5) (Y/N) ___N*___ Which pollutants _____
Delisting status (if applicable) _____
IAR category _____
Additional Comments _ *** no assessment: this stream reach is channelized with a drainage area of less than 20 sq. mi.** _____

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AUID Seg Miles Reach Name Reach Description
07020011 541 None 4.48 JD 51 Unnamed Ditch to Kremers Marsh

Aquatic life—preliminary assessment FS Final assessment NA* Based on
AQL assessment quality (Excellent, good, fair, poor) _____

Factors used, please describe

A. Timing of exceedances _____

B. Magnitude of exceedances _____

C. Seasonality of exceedances _____

D. Naturally occurring conditions _____

E. Combination of narrative and numeric standards _____

F. Known point and nonpoint influences in the watershed _____

G. Additional data _____

Aquatic recreation use—preliminary assessment NA Final assessment NA*
AR assessment quality (Excellent, good, fair, poor) _____

Fish consumption use _____

1998 TMDL listing (Y/N) N Which pollutants _____

2002 TMDL listing (Y/N) N Which pollutants _____

2004 Impairment (4 or 5) (Y/N) N* Which pollutants _____

Delisting status (if applicable) _____

IAR category _____

Additional Comments * no assessment: this stream reach is channelized with a drainage area of less than 20 sq. mi.

AUID Seg Miles Reach Name Reach Description
07020011 544 None 2.03 Unnamed Cr Unnamed Cr to Unnamed Cr

Aquatic life—preliminary assessment FS Final assessment NA* Based on
AQL assessment quality (Excellent, good, fair, poor) _____

Factors used, please describe

A. Timing of exceedances _____

B. Magnitude of exceedances _____

C. Seasonality of exceedances _____

D. Naturally occurring conditions _____

E. Combination of narrative and numeric standards _____

F. Known point and nonpoint influences in the watershed _____

G. Additional data _____

Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____

Fish consumption use NA _____

1998 TMDL listing (Y/N) N Which pollutants _____

2002 TMDL listing (Y/N) N Which pollutants _____

2004 Impairment (4 or 5) (Y/N) N Which pollutants _____

Delisting status (if applicable) _____

IAR category 2 _____

Additional Comments * no assessment: this stream reach is channelized with a drainage area of less than 20 sq. mi.

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AUID **07020011** Seg Miles **547 None 1.44** Reach Name **CD 70** Reach Description **Headwaters to Unnamed Cr**
Aquatic life—preliminary assessment NS Final assessment NA* Based on AQL assessment quality (Excellent, good, fair, poor) _____
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA*
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use _____
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) N* Which pollutants _____
Delisting status (if applicable) _____
IAR category _____
Additional Comments * no assessment: this stream reach is channelized with a drainage area of less than 20 sq. mi.

AUID **07020012** Seg Miles **501 004 8.51** Reach Name **Minnesota R** Reach Description **Bevens Cr to Sand Cr**
Aquatic life—preliminary assessment NS Final assessment NS Based on **turbidity**
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NS Final assessment PS
AR assessment quality (Excellent, good, fair, poor) Excellent
Fish consumption use NS
1998 TMDL listing (Y/N) Y Which pollutants Low DO, turbidity, mercury
2002 TMDL listing (Y/N) Y Which pollutants Turbidity, Fecal coliform, mercury.
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Turbidity, Fecal coliform, mercury (water column and FCA).
Delisting status (if applicable) Delisted for DO
IAR category 5
Additional Comments: _____

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AUID **07020012** Seg Miles **505 101 21.91** Reach Name **Minnesota R** Reach Description **RM 22 to Mississippi R**
Aquatic life—preliminary assessment NS Final assessment NS Based on **Turbidity**
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NS Final assessment FS
AR assessment quality (Excellent, good, fair, poor) Excellent
Fish consumption use NS
1998 TMDL listing (Y/N) Y Which pollutants Mercury, DO, Fecal coliform, turbidity, PCB
2002 TMDL listing (Y/N) Y Which pollutants Mercury, DO, Fecal coliform, turbidity, PCB
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Mercury(water column and FCA), DO, Fecal coliform, turbidity, PCB
Delisting status (if applicable) _____
IAR category 5
Additional Comments: TMDL plan for DO is seeking EPA approval; when approved, category will be 5b, which means approved TMDL plan for one or more pollutants, still needs TMDL plan for other pollutants.
Not enough metals samples to assess because 2 of 5 were taken during same day/storm event.

AUID **07020012** Seg Miles **506 201 10.27** Reach Name **Minnesota R** Reach Description **Carver Cr to RM 22**
Aquatic life—preliminary assessment NS Final assessment NS Based on **turbidity**
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment PS Final assessment FS
AR assessment quality (Excellent, good, fair, poor) Excellent
Fish consumption use NS
1998 TMDL listing (Y/N) Y Which pollutants Mercury, DO, turbidity, PCB
2002 TMDL listing (Y/N) Y Which pollutants Turbidity, Mercury, PCB
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Turbidity, Mercury(water column and FCA), PCB
Delisting status (if applicable) Delisted for DO
IAR category 5
Additional Comments _____

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AUID Seg Miles Reach Name Reach Description
07020012 507 020 12.8 Minnesota R Cherry Cr to Le Sueur Cr

Aquatic life—preliminary assessment NA Final assessment NA Based on _____
AQL assessment quality (Excellent, good, fair, poor) _____
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NS Final assessment NS _____
AR assessment quality (Excellent, good, fair, poor) Good _____
Fish consumption use NS _____
1998 TMDL listing (Y/N) Y Which pollutants Mercury, PCB _____
2002 TMDL listing (Y/N) Y Which pollutants Fecal coliform, mercury, PCB _____
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Fecal coliform, mercury, PCB _____
Delisting status (if applicable) _____
IAR category 5 _____
Additional Comments _____

AUID Seg Miles Reach Name Reach Description
07020012 510 NA 9.53 Bluff Cr Headwaters to Minnesota R

Aquatic life—preliminary assessment NS Final assessment NS Based on Biota
AQL assessment quality (Excellent, good, fair, poor) Good _____
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA _____
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NA _____
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants Turbidity _____
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Turbidity, biota _____
Delisting status (if applicable) _____
IAR category 5 _____
Additional Comments: **MCES turbidity data is not reflected in preliminary assessment due to workload, but was considered by PJG during review. MCES analysis (2002) *says greater than 25% exceedance, confirming non-support.**
Scott N: There were two sites on this stream that were in very close proximity to each other. Konrad Schmidt sampled these sites to investigate the effect on the fish community of an old railroad culvert that is acting as a fish migration barrier. He placed one site just above and another just below the barrier. Because of the likelihood that this barrier might be removed as part of restorative actions, the assessment reach was not split at the barrier.

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AUID Seg Miles Reach Name Reach Description
07020012 513 022 13.2 Sand Cr Porter Cr to Minnesota R

Aquatic life—preliminary assessment NS Final assessment NS Based on **Biota, turbidity**
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data MCES data also shows high nutrient here
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants Turbidity
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Turbidity
Delisting status (if applicable) _____
IAR category 5
Additional Comments: **MCES turbidity data is not reflected in preliminary assessment due to workload, but was considered by PJG during review. In 2002, MCES performed a second data analysis, using the yearly flow hydrograph to distribute datapoints realistically. MCES analysis shows 45% exceedance, confirming non-support.**

AUID Seg Miles Reach Name Reach Description
07020012 514 005 3.54 Bevens Cr Silver Cr to Minnesota R

Aquatic life—preliminary assessment FS Final assessment NS Based on **turbidity**
AQL assessment quality (Excellent, good, fair, poor) Poor
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NS Final assessment NS
AR assessment quality (Excellent, good, fair, poor) Poor
Fish consumption use NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants Turbidity, Fecal coliform
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Turbidity, Fecal coliform
Delisting status (if applicable) _____
IAR category 5
Additional Comments: **MCES turbidity data is not reflected in preliminary assessment due to workload, but was considered by PJG during review. MCES analysis (2002) *says 35% exceedance, confirming non-support.**

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AUID 07020012 515 Seg Miles 006 21.71 Reach Name Bevens Cr Reach Description Headwaters to Silver Cr
Aquatic life—preliminary assessment NA Final assessment NS Based on **chloride & turbidity**
AQL assessment quality (Excellent, good, fair, poor) Fair
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NS Final assessment NS
AR assessment quality (Excellent, good, fair, poor) Good
Fish consumption use NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants Turbidity, Fecal coliform, chloride
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Turbidity, Fecal coliform, chloride
Delisting status (if applicable) _____
IAR category 5
Additional Comments: **MCES turbidity data is not reflected in preliminary assessment due to workload, but was considered by PJG during review. MCES analysis (2002) *shows greater than 25% exceedance, confirming non-support.**

AUID 07020012 516 Seg Miles 002 29.02 Reach Name Carver Cr Reach Description Headwaters to Minnesota R
Aquatic life—preliminary assessment NA Final assessment NS Based on **turbidity**
AQL assessment quality (Excellent, good, fair, poor) Fair
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NS Final assessment NS
AR assessment quality (Excellent, good, fair, poor) Good
Fish consumption use NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants Turbidity, Fecal coliform
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Turbidity, Fecal coliform
Delisting status (if applicable) _____
IAR category 5
Additional Comments: **MCES turbidity data is not reflected in preliminary assessment due to workload, but was considered by PJG during review. In 2002, MCES analysis * says results in 47% exceedance, confirming non-support for turbidity. * MCES analysis gives different weights to event and grab samples.**

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AUID Seg Miles Reach Name Reach Description
07020012 517 C01 22.2 Credit R Headwaters to Minnesota R
Aquatic life—preliminary assessment NS Final assessment NS Based on **Turbidity**
AQL assessment quality (Excellent, good, fair, poor) _____
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NS Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NA _____
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants Turbidity _____
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Turbidity _____
Delisting status (if applicable) _____
IAR category 5 _____

Additional Comments: **MCES turbidity data is not reflected in preliminary assessment due to workload, but was considered by PJG during review. In 2002, MCES analysis * says results in 28% exceedance, confirming non-support for turbidity. * MCES analysis gives different weights to event and grab samples.**
This reach was originally assessed as non-supporting ALUS for Biota, and listed on the draft list, but was reassessed as supporting based on adjustments to the IBI scoring methodology in response to comments received during the public comment period. (Final IBI score =31)See BarrTMDLlist.doc.

AUID Seg Miles Reach Name Reach Description
07020012 518 701 14.26 Nine Mile Cr Headwaters to Minnesota R
Aquatic life—preliminary assessment NS Final assessment NS Based on **Biota, chloride**
AQL assessment quality (Excellent, good, fair, poor) Good _____
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA _____
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NA _____
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants Turbidity _____
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Turbidity, impaired biota, chloride _____
Delisting status (if applicable) _____
IAR category 5 _____

Additional Comments: **MCES turbidity data is not reflected in preliminary assessment due to workload, but was considered by PJG during review. In 2002, MCES analysis * results in 32% exceedances, confirming non-support. * MCES analysis gives different weights to event and grab samples. MDOT is starting a 2-yr study for chloride to supplement MCES monitoring.**

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AUID Seg Miles Reach Name Reach Description
07020012 519 D01 1.74 Eagle Cr Headwaters to Minnesota R
Aquatic life—preliminary assessment FS Final assessment FS Based on **BIOTA**
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) N Which pollutants _____
Delisting status (if applicable) _____
IAR category 2
Additional Comments _____

AUID Seg Miles Reach Name Reach Description
07020012 521 014 8.07 Rush R South Br Rush R to Minnesota R
Aquatic life—preliminary assessment FS Final assessment FS Based on Biota
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NS Final assessment NS
AR assessment quality (Excellent, good, fair, poor) Good
Fish consumption use NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants Fecal coliform
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Fecal coliform
Delisting status (if applicable) _____
IAR category 5
Additional Comments '97-'99 data for FC

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AUID Seg Miles Reach Name Reach Description
07020012 523 007 12.95 Silver Cr Headwaters to Bevens Cr
Aquatic life—preliminary assessment NA Final assessment NA Based on _____
AQL assessment quality (Excellent, good, fair, poor) _____
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NS Final assessment NS
AR assessment quality (Excellent, good, fair, poor) Fair
Fish consumption use _____
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants Fecal coliform
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Fecal coliform
Delisting status (if applicable) _____
IAR category 5
Additional Comments _____

AUID Seg Miles Reach Name Reach Description
07020012 589(replaces 529) 009 28.91 High Island Cr Unnamed Cr to Minnesota R
Aquatic life—preliminary assessment NS Final assessment PS Based on Biota
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NS Final assessment NS
AR assessment quality (Excellent, good, fair, poor) Good
Fish consumption use NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants Fecal coliform
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Fecal coliform, impaired biota
Delisting status (if applicable) _____
IAR category 5
Additional Comments: Assessment reach adjusted and AUID re-assigned by GIS unit, Sept. 2003; 12-3-03 Bio Unit review confirms PS on one of two samples within this split segment.

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AUID	Seg	Miles	Reach Name	Reach Description
07020012 540	026	21.56	Porter Cr	Headwaters to Sand Cr
Aquatic life—preliminary assessment <u> NS </u> Final assessment <u> FS </u> Based on Biota				
AQL assessment quality (Excellent, good, fair, poor) <u> Good </u>				
Factors used, please describe				
A. Timing of exceedances _____				
B. Magnitude of exceedances _____				
C. Seasonality of exceedances _____				
D. Naturally occurring conditions _____				
E. Combination of narrative and numeric standards _____				
F. Known point and nonpoint influences in the watershed _____				
G. Additional data _____				
Aquatic recreation use—preliminary assessment <u> NA </u> Final assessment <u> NA </u>				
AR assessment quality (Excellent, good, fair, poor) _____				
Fish consumption use _____				
1998 TMDL listing (Y/N) <u> N </u> Which pollutants _____				
2002 TMDL listing (Y/N) <u> N </u> Which pollutants _____				
2004 Impairment (4 or 5) (Y/N) <u> N </u> Which pollutants _____				
Delisting status (if applicable) _____				
IAR category <u> 2 </u>				
Additional Comments <u> collected by Konrad Schmidt </u>				
This reach was originally assessed as non-supporting (26) ALUS for Biota, and listed on the draft list, but was reassessed as supporting (31) based on adjustments to the IBI scoring methodology in response to comments received during the public comment period. See BarrTMDLlist.doc.				

AUID	Seg	Miles	Reach Name	Reach Description
07020012 548	015	10.93	Rush R	Middle Br Rush R to South Br Rush
Aquatic life—preliminary assessment <u> NS </u> Final assessment <u> FS </u> Based on Biota				
AQL assessment quality (Excellent, good, fair, poor) <u> Good </u>				
Factors used, please describe				
A. Timing of exceedances _____				
B. Magnitude of exceedances _____				
C. Seasonality of exceedances _____				
D. Naturally occurring conditions _____				
E. Combination of narrative and numeric standards _____				
F. Known point and nonpoint influences in the watershed _____				
G. Additional data _____				
Aquatic recreation use—preliminary assessment <u> NA </u> Final assessment <u> NA </u>				
AR assessment quality (Excellent, good, fair, poor) _____				
Fish consumption use _____				
1998 TMDL listing (Y/N) <u> N </u> Which pollutants _____				
2002 TMDL listing (Y/N) <u> N </u> Which pollutants _____				
2004 Impairment (4 or 5) (Y/N) <u> N </u> Which pollutants _____				
Delisting status (if applicable) _____				
IAR category <u> 2 </u>				
Additional Comments <u> This reach was originally assessed as non-supporting (26)ALUS for Biota, and listed on the draft list, but was reassessed as supporting (30)based on adjustments to the IBI scoring methodology in response to comments received during the public comment period. See BarrTMDLlist.doc.</u>				

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AUID	Seg	Miles	Reach Name	Reach Description
07020012 550	117	18.19	Middle Br Rush R	CD 42 to Rush R
Aquatic life—preliminary assessment <u>FS</u> Final assessment <u>NA</u> Based on <u>Class 7</u>				
AQL assessment quality (Excellent, good, fair, poor) _____				
Factors used, please describe				
A. Timing of exceedances _____				
B. Magnitude of exceedances _____				
C. Seasonality of exceedances _____				
D. Naturally occurring conditions _____				
E. Combination of narrative and numeric standards _____				
F. Known point and nonpoint influences in the watershed _____				
G. Additional data _____				
Aquatic recreation use—preliminary assessment <u>NA</u> Final assessment <u>NA</u> _____				
AR assessment quality (Excellent, good, fair, poor) _____				
Fish consumption use <u>NA</u> _____				
1998 TMDL listing (Y/N) <u>N</u> Which pollutants _____				
2002 TMDL listing (Y/N) <u>N</u> Which pollutants _____				
2004 Impairment (4 or 5) (Y/N) <u>N</u> Which pollutants _____				
Delisting status (if applicable) _____				
IAR category _____				
Additional Comments: IBI indicated FS, but not assessed because this is a Class 7 stream in 7050, which are not assessed according to the 2004 assessment methodology				

AUID	Seg	Miles	Reach Name	Reach Description
07020012 551	417	5.97	CD 42	Above Class 7
Aquatic life—preliminary assessment <u>FS</u> Final assessment <u>NA*</u> Based on _____				
AQL assessment quality (Excellent, good, fair, poor) _____				
Factors used, please describe				
A. Timing of exceedances _____				
B. Magnitude of exceedances _____				
C. Seasonality of exceedances _____				
D. Naturally occurring conditions _____				
E. Combination of narrative and numeric standards _____				
F. Known point and nonpoint influences in the watershed _____				
G. Additional data _____				
Aquatic recreation use—preliminary assessment <u>NA</u> Final assessment <u>NA*</u> _____				
AR assessment quality (Excellent, good, fair, poor) _____				
Fish consumption use _____				
1998 TMDL listing (Y/N) <u>N</u> Which pollutants _____				
2002 TMDL listing (Y/N) <u>N</u> Which pollutants _____				
2004 Impairment (4 or 5) (Y/N) <u>N*</u> Which pollutants _____				
Delisting status (if applicable) _____				
IAR category _____				
Additional Comments * no assessment: this stream reach is channelized with a drainage area of less than 20 sq. mi.				

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AUID Seg Miles Reach Name Reach Description
07020012 553 018 31.06 South Br Rush R Headwaters to Rush R
Aquatic life—preliminary assessment NS Final assessment FS Based on **Biota**
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use _____
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) N Which pollutants _____
Delisting status (if applicable) _____
IAR category 2

Additional Comments **___ This reach was originally assessed as non-supporting (26) ALUS for Biota, and listed on the draft list, but was reassessed as supporting (30) based on adjustments to the IBI scoring methodology in response to comments received during the public comment period. See BarrTMDLlist.doc.**

AUID Seg Miles Reach Name Reach Description
07020012 571 801 13.65 Purgatory Cr Headwaters to Minnesota R
Aquatic life—preliminary assessment NS Final assessment FS Based on **Biota**
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data small stream with large amount of urban development
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use _____
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) N Which pollutants _____
Delisting status (if applicable) _____
IAR category 2

Additional Comments **___ This reach was originally assessed as non-supporting (26) ALUS for Biota, and listed on the draft list, but was reassessed as supporting (34) based on adjustments to the IBI scoring methodology in response to comments received during the public comment period. See BarrTMDLlist.doc.**

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AUID Seg Miles Reach Name Reach Description
07020012 577 None 2.31 Unnamed Cr (Brewery Cr) Unnamed Cr to Minnesota R
Aquatic life—preliminary assessment FS Final assessment FS Based on Biota
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) N Which pollutants _____
Delisting status (if applicable) _____
IAR category 2
Additional Comments: _____

AUID Seg Miles Reach Name Reach Description
07020012 578 None 6.84 Buffalo Cr Unnamed Cr to High Island Cr
Aquatic life—preliminary assessment NS Final assessment NS Based on **Biota**
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use _____
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Impaired Biota
Delisting status (if applicable) _____
IAR category 5
Additional Comments '95 NS (20), '01 FS(46); discussion of possible basis for improvements in BMPs. Nothing is known to base overriding the methodology to use the FS over NS.

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AUID 07020012 Seg Miles 579 Reach Name None 3.71 Unnamed Cr Reach Description Unnamed Cr to Unnamed Cr
Aquatic life—preliminary assessment NS Final assessment NS Based on Biota
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use _____
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Impaired Biota
Delisting status (if applicable) _____
IAR category 5
Additional Comments: single low DO at the time of fish collection; super-saturated condition with dense macrophytes

AUID 07020012 Seg Miles 581 Reach Name None 2.94 Unnamed Cr (East Cr) Reach Description Unnamed Cr to Minnesota R
Aquatic life—preliminary assessment NS Final assessment NS Based on Biota
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Impaired Biota
Delisting status (if applicable) _____
IAR category 5
Additional Comments: _____

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AUID Seg Miles Reach Name Reach Description
07020012 582 None 2.54 Unnamed Cr (Assumption Cr) Headwaters to Minnesota R
Aquatic life—preliminary assessment FS Final assessment FS Based on Biota
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
 Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) N Which pollutants _____
Delisting status (if applicable) _____
IAR category 2
Additional Comments: Reach AUID Assessments added after the PJG meetings, based on December 3, 2003, PCA Biology Unit secondary review of IBI scores and use classes.

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AUID Seg Miles Reach Name Reach Description
07020012-589 009 28.91 HIGH ISLAND CR Unnamed Cr to Minnesota R
Aquatic life—preliminary assessment NS Final assessment NS Based on Biota
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Impaired Biota
Delisting status (if applicable) _____
IAR category 5

Additional Comments: Reach AUID Assessments added after the PJG meetings, based on December 3, 2003, PCA Biology Unit secondary review of IBI scores and use classes.

AUID Seg Miles Reach Name Reach Description
07010204-552 6.38 Unnamed Cr Class 2C (to Jewitts Cr) no previous id*
Aquatic life—preliminary assessment NS Final assessment NS Based on Biota
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Impaired Biota
Delisting status (if applicable) _____
IAR category 5

Additional Comments: Reach AUID Assessments added after the PJG meetings, based on December 3, 2003, PCA Biology Unit secondary review of IBI scores and use classes.

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AUID Seg Miles Reach Name Reach Description
07010205-502 -008 34.60 BUFFALO CR Headwaters to JD 15
Aquatic life—preliminary assessment NS Final assessment NS Based on Biota
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
 Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Impaired Biota
Delisting status (if applicable) _____
IAR category 5
Additional Comments: Reach AUID Assessments added after the PJG meetings, based on December 3, 2003, PCA Biology Unit secondary review of IBI scores and use classes.

AUID Seg Miles Reach Name Reach Description
07020001-528 EMILY CR Headwaters to Lac Qui Parle Lk
Aquatic life—preliminary assessment NS Final assessment NS Based on Biota
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
 Aquatic recreation use—preliminary assessment NA Final assessment NA
AR assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Impaired Biota
Delisting status (if applicable) _____
IAR category 5
Additional Comments: Reach AUID Assessments added after the PJG meetings, based on December 3, 2003, PCA Biology Unit secondary review of IBI scores and use classes.
