

**2004 Assessments – St. Croix River Basin**  
**Professional judgment group transparency form for assessed streams**  
**This form does not include AUIDs that have only Mercury FCA information**  
Revision Date: 5/25/2004

**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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HUC      NHD event Seg Miles Reach Name      Reach Description  
**07030001 509      033 7.69 Upper Tamarack R      MN State Border to St. Croix R**

Aquatic life—preliminary assessment   NS   Final assessment   FS   Based on     
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   **3 of 6 IBI scores are in threshold between NS and FS; decision to go with FS based on knowledge of watershed land use**  

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HUC      NHD event Seg Miles Reach Name      Reach Description  
**07030001 529      na 10.95 Keene Cr      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   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   **only invert results, no habitat or fish; inadequate for assessment because sampling field methods were poor fit for stream type; fish gear unworkable at this site**  

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HUC      NHD event Seg Miles Reach Name      Reach Description  
**07030001 514      042 24.4 Lower Tamarack R      Headwaters to McDermott Cr**  
Aquatic life—preliminary assessment FS Final assessment FS Based on \_\_\_\_\_  
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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HUC      NHD event Seg Miles Reach Name      Reach Description  
**07030001 528      141 6.56 Squib Cr      Headwaters to McDermott Cr**  
Aquatic life—preliminary assessment FS Final assessment FS Based on \_\_\_\_\_  
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) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2004 Impairment (4 or 5) (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 2  
Additional Comments \_\_\_\_\_

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HUC NHD event Seg Miles Reach Name Reach Description  
**07030001 513 041 17.55 McDermott Cr Headwaters to Lower Tamarack R**

Aquatic life—preliminary assessment FS Final assessment FS Based on \_\_\_\_\_

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) \_\_\_\_\_ Which pollutants \_\_\_\_\_

2002 TMDL listing (Y/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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HUC NHD event Seg Miles Reach Name Reach Description  
**07030001 512 040 5.56 Lower Tamarack R McDermott Cr to Hay Cr**

Aquatic life—preliminary assessment FS Final assessment FS Based on \_\_\_\_\_

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) \_\_\_\_\_ Which pollutants \_\_\_\_\_

2002 TMDL listing (Y/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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HUC NHD event Seg Miles Reach Name Reach Description  
**07030001 511 039 19.78 Hay Cr MN State Border to Lower Tamarack R**

Aquatic life—preliminary assessment FS Final assessment FS Based on \_\_\_\_\_

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) \_\_\_\_\_ Which pollutants \_\_\_\_\_

2002 TMDL listing (Y/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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HUC NHD event Seg Miles Reach Name Reach Description  
**07030001 510 038 7.61 Lower Tamarack R Hay Cr to St. Croix R**

Aquatic life—preliminary assessment FS Final assessment FS Based on \_\_\_\_\_

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) \_\_\_\_\_ Which pollutants \_\_\_\_\_

2002 TMDL listing (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_

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

Delisting status(if applicable) \_\_\_\_\_

IAR category 2

Additional Comments highest scoring fish site in basin

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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030001 506            013 7.63 St. Croix R                      Lower Tamarack R to Crooked Cr**

Aquatic life—preliminary assessment FS Final assessment FS Based on \_\_\_\_\_  
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  
2002 TMDL listing (Y/N) Y Which pollutants Mercury FCA  
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Mercury FCA  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 5  
Additional Comments Fish collection performed but currently no IBI is available that applies to “big rivers”.

HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030001 515            044 18.87 Crooked Cr, East Fk                      Headwaters to Trout Stream Portion**

Aquatic life—preliminary assessment FS Final assessment FS Based on Biota (fish and invert)  
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) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/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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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030001 504            004 4.6      St. Croix R                      Clam R to Sand R 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 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 FCA  
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Mercury FCA  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 5  
Additional Comments **Fish collection performed but currently no IBI is available that applies to “big rivers”.**

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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030001 518            047 33.78      Bear Cr                      Headwaters to St. Croix 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 **1 NS IBI score, but near threshold, and land use problems are judged to be unlikely**  
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) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/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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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030001 502            002 5.93 St. Croix R                      Bear Cr to Kettle 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 \_\_\_\_\_  
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 FCA  
2004 Impairment listing (4 or 5)(Y/N) Y Which pollutants Mercury FCA  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 5  
Additional Comments Fish collection performed but currently no IBI is available that applies to “big rivers”.

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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030001 535            045\* 5.52 Crooked Cr, West Fk                      Trout Stream portion Class 1B,2A,3B**  
Aquatic life—preliminary assessment FS Final assessment FS Based on \_\_\_\_\_  
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) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/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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HUC NHD event Seg Miles Reach Name Reach Description  
**07030001 540 046\* 28.3 Sand Cr Trout stream portion to St. Croix R**

Aquatic life—preliminary assessment NS Final assessment FS Based on \_\_\_\_\_

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 Very recent logging upstream in an area crossed on the way to the sampling reach, but there is a minimum of disruption overall 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) \_\_\_\_\_ Which pollutants \_\_\_\_\_

2002 TMDL listing (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_

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

Delisting status(if applicable) \_\_\_\_\_

IAR category 2

Additional Comments ALUS fully supporting based on post-PJG Biology Unit review of the data. The sampling event that scored below the threshold for impairment was disregarded due to sampling inefficiencies. The segment now contains only the one IBI score, which is above the impairment threshold.

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HUC NHD event Seg Miles Reach Name Reach Description

**07030001 520 201 0.59 Redhorse Cr, West Fk Headwaters to Redhorse Cr**

Aquatic life—preliminary assessment FS Final assessment FS Based on \_\_\_\_\_

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) \_\_\_\_\_ Which pollutants \_\_\_\_\_

2002 TMDL listing (Y/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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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030001 519            101 4.51 Redhorse Cr                      Headwaters to St. Croix R**

Aquatic life—preliminary assessment FS Final assessment FS Based on \_\_\_\_\_  
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) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/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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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030003 540            na 2.71 CD #2                      Headwaters to Kettle Lk**

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) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2004 Impairment (4 or 5) (Y/N) N Which pollutants \_\_\_\_\_  
Delisting status(if applicable) \_\_\_\_\_  
IAR category \_\_\_\_\_  
Additional Comments: **\*not assessed because stream is channelized and drainage area is less than 20 sq. miles;** \_\_\_\_\_

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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030003 511            015 19.34 Kettle R                      Headwaters to West Br Kettle 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 NS  
1998 TMDL listing (Y/N) Y Which pollutants Mercury  
2002 TMDL listing (Y/N) Y Which pollutants Mercury FCA  
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Mercury FCA  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 5  
Additional Comments \_\_\_\_\_

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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030003 518            117 2.91 Unnamed Cr                      Unnamed Cr to Dead Moose R**

Aquatic life—preliminary assessment FS Final assessment FS Based on \_\_\_\_\_  
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) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/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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**2004 Assessments – St. Croix River Basin**  
**Professional judgment group transparency form for assessed streams**  
**This form does not include AUIDs that have only Mercury FCA information**  
Revision Date: 5/25/2004

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
<b>07030003</b>	<b>509</b>	<b>012</b>	<b>10.89</b>	<b>Gillespie Bk</b>	<b>Headwaters to Kettle R</b>
Aquatic life—preliminary assessment <u>FS</u> Final assessment <u>FS</u> Based on _____					
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) _____ Which pollutants _____					
2002 TMDL listing (Y/N) _____ 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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HUC	NHD event	Seg	Miles	Reach Name	Reach Description
<b>07030003</b>	<b>513</b>	<b>018</b>	<b>20.11</b>	<b>Split Rock R</b>	<b>Headwaters to Kettle R</b>
Aquatic life—preliminary assessment <u>FS</u> Final assessment <u>FS</u> Based on _____					
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) _____ Which pollutants _____					
2002 TMDL listing (Y/N) _____ 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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**2004 Assessments – St. Croix River Basin**

**Professional judgment group transparency form for assessed streams**

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Revision Date: 5/25/2004

HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030003 507            010 5.4    Kettle R                      Split Rock R to Birch Cr**

Aquatic life—preliminary assessment FS Final assessment FS Based on Biota (Invert)  
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 FCA  
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Mercury FCA  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 5  
Additional Comments Fish collection performed but currently no IBI is available that applies to “big rivers”.

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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030003 514            019 14.19 Birch Cr                      Headwaters to Kettle 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 NA  
1998 TMDL listing (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2004 Impairment (4 or 5) (Y/N) N Which pollutants \_\_\_\_\_  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 2  
Additional Comments Single NS score is close to threshold

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**2004 Assessments – St. Croix River Basin**

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HUC NHD event Seg Miles Reach Name Reach Description  
**07030003 506 009 2.14 Kettle R Birch Cr to Moose Horn R**

Aquatic life—preliminary assessment FS Final assessment FS Based on Biota (Invert)

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 FCA

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

Delisting status(if applicable) \_\_\_\_\_

IAR category 5

Additional Comments **Fish collection performed but currently no IBI is available that applies to “big rivers”.**

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HUC NHD event Seg Miles Reach Name Reach Description  
**07030003 523 506 1.89 Unnamed Cr Unnamed Cr (Tributary to Little Hanging Horn Lk)**

Aquatic life—preliminary assessment FS Final assessment FS Based on Biota (Fish)

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) \_\_\_\_\_ Which pollutants \_\_\_\_\_

2002 TMDL listing (Y/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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**2004 Assessments – St. Croix River Basin**

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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030003 521            306 2.96    Moose Horn R    West Br Moose Horn R to Hanging Horn Lk**  
Aquatic life—preliminary assessment FS Final assessment FS Based on Biota (Fish)  
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) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/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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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030003 505            005 4.59    Kettle R            Moose Horn R to Willow R**  
Aquatic life—preliminary assessment FS Final assessment FS Based on Biota (Invert)  
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 FCA  
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Mercury FCA  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 5  
Additional Comments **Fish collection performed but currently no IBI is available that applies to “big rivers”.**

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HUC      NHD event Seg Miles Reach Name      Reach Description  
**07030003 504      004 28.21 Willow R      Headwaters to Kettle 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) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/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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HUC      NHD event Seg Miles Reach Name      Reach Description  
**07030003 520      220 3.28 Unnamed Cr      Headwaters to Bremen Cr**

Aquatic life—preliminary assessment FS Final assessment FS Based on \_\_\_\_\_  
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) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/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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HUC      NHD event Seg Miles Reach Name      Reach Description  
**07030003 515      020 26.01 Pine R      Headwaters to Kettle R**

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 **land use 23% disturbed** \_\_\_\_\_  
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) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2004 Impairment (4 or 5) (Y/N) N Which pollutants \_\_\_\_\_  
Delisting status(if applicable) \_\_\_\_\_  
IAR category \_\_\_\_\_  
Additional Comments **conflict between fish and invert results hard to explain or resolve based on watershed characteristics; recommend revisit.**

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HUC      NHD event Seg Miles Reach Name      Reach Description  
**07030003 527      na 4.22 Unnamed Cr      Headwaters to Kettle R**

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 **Upstream land use is extensive sod farming with channelized stream** \_\_\_\_\_  
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) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/N) Y Which pollutants **Biology** \_\_\_\_\_  
2004 Impairment (4 or 5) (Y/N) N Which pollutants \_\_\_\_\_  
Delisting status(if applicable) \_\_\_\_\_  
IAR category \_\_\_\_\_  
Additional Comments: **\*not assessed because stream is channelized and drainage area is less than 20 sq. miles; draft list corrected in 2004** \_\_\_\_\_

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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030003 539            na 1.67   Unnamed Cr                      Headwaters to Cane 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) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2004 Impairment (4 or 5) (Y/N) N Which pollutants \_\_\_\_\_  
Delisting status(if applicable) \_\_\_\_\_  
IAR category \_\_\_\_\_  
Additional Comments: **\*not assessed because stream is channelized and drainage area is less than 20 sq. miles;** \_\_\_\_\_

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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030003 524            602 3.08   Wolf Cr                      Headwaters to Kettle R between Cane Cr and old dam**

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) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/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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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030003 517            102 7.22   Kettle R (below dam) Skunk Cr to Grindstone 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 \_\_\_\_\_  
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 FCA  
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Mercury FCA  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 5  
Additional Comments Fish collection performed but currently no IBI is available that applies to “big rivers”.

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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030003 522            502 3.52   Deer Cr                      Headwaters to Kettle R above Grindstone 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) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2004 Impairment (4 or 5) (Y/N) N Which pollutants \_\_\_\_\_  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 2  
Additional Comments one of the “best” invert sites in the basin, new genus of chironomid collected here

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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030003 526            na 5.83 JD #1                      Headwaters to South Br Grindstone R**

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 NA  
1998 TMDL listing (Y/N) N Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/N) Y Which pollutants Biology \_\_\_\_\_  
2004 Impairment (4 or 5) (Y/N) N Which pollutants \_\_\_\_\_  
Delisting status(if applicable) \_\_\_\_\_  
IAR category \_\_\_\_\_  
Additional Comments: **\*not assessed because stream is channelized and drainage area is less than 20 sq. miles; list corrected in 2004** \_\_\_\_\_  
**Not on preliminary assessment report**

HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030003 544            022\* 6.69 Grindstone R, North Br                      Trout stream to Grindstone 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 \_\_\_\_\_  
Aquatic recreation use—preliminary assessment NS Final assessment NS  
AR assessment quality (Excellent, good, fair, poor) Fair  
Fish consumption use NA  
Aquatic recreation use—preliminary assessment \_\_\_\_\_ 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 \_\_\_\_\_

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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030003 516              023 15.27 Grindstone R, South Br              Headwaters to Grindstone R**  
Aquatic life—preliminary assessment   NS   Final assessment   NS   Based on   Biota and FC    
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)   **Fair**    
Fish consumption use   NA    
1998 TMDL listing (Y/N)   N   Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/N)   Y   Which pollutants   **Fecal coliform, Biology**    
2004 Impairment (4 or 5) (Y/N)   Y   Which pollutants   **Fecal coliform, Biology**    
Delisting status(if applicable) \_\_\_\_\_  
IAR category   **5**    
Additional Comments \_\_\_\_\_

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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030003 501              121 6.34 Grindstone R                      Grindstone Reservoir to Kettle 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   NS   Final assessment   NS    
AR assessment quality (Excellent, good, fair, poor)   **Good**    
Fish consumption use   NA    
1998 TMDL listing (Y/N)   Y   Which pollutants   **Fecal coliform**    
2002 TMDL listing (Y/N)   Y   Which pollutants   **Fecal coliform**    
2004 Impairment (4 or 5) (Y/N)   Y   Which pollutants   **Fecal coliform, Biology**    
Delisting status(if applicable) \_\_\_\_\_  
IAR category   **5**    
Additional Comments   **Noted that same basis for ALUS listing last round, but not listed – oversight?**  

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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030003 502            001 17.04 Kettle R                      Grindstone R to St. Croix R**

Aquatic life—preliminary assessment FS Final assessment FS Based on Chemistry  
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) \_\_\_\_\_  
Fish consumption use NS  
1998 TMDL listing (Y/N) \_\_\_\_\_ Which pollutants Mercury  
2002 TMDL listing (Y/N) Y Which pollutants Mercury FCA  
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Mercury FCA  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 5  
Additional Comments Fish collection performed but currently no IBI is available that applies to “big rivers”.

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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030004 520            211 0.61 Unnamed Cr                      Unnamed Cr to Snake 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) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/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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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030004 541            na 1.99 Bergman Br                      Unnamed Cr to Snake 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) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/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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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030004 517            111 9.7 Cowan's Bk                      Headwaters to Snake 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) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/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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HUC      NHD event Seg Miles Reach Name      Reach Description  
**07030004 508      011 30.53 Snake R      Headwaters to Hay 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 NS  
1998 TMDL listing (Y/N) Y Which pollutants Mercury  
2002 TMDL listing (Y/N) Y Which pollutants Biology, Mercury FCA  
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Biology, Mercury FCA  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 5  
Additional Comments 3 upstream sites are FS; middle site is in channelized reach; downstream site is FS. Discussion of splitting, but since already listed, not enough gained in splitting now.

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HUC      NHD event Seg Miles Reach Name      Reach Description  
**07030004 509      012 10.99 Hay Cr      Headwaters to Snake 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) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/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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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030004 516            109 3.11    Unnamed Cr                      Unnamed Cr to Chelsey Bk**  
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) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/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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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030004 507            009 13.96    Chelsey Bk                      Headwaters to Snake 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) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/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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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030004 506            008 24.32 Snake R                      Chelsey Bk to Knife 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 NS  
1998 TMDL listing (Y/N) Y Which pollutants Mercury  
2002 TMDL listing (Y/N) Y Which pollutants Mercury FCA  
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Mercury FCA  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 5  
Additional Comments \_\_\_\_\_

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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030004 537            213 5.25 Dry Run                      Dry Run 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 Total disturbed land use = 40%  
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) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2004 Impairment (4 or 5) (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
Delisting status(if applicable) \_\_\_\_\_  
IAR category \_\_\_\_\_  
Additional Comments (aka: Knife R Headwaters) Invert results consistent with downstream segment.  
**\*12-3-03 Bio Unit review after use class review found that this reach is a class 7, therefore inappropriate to assess.**

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HUC NHD event Seg Miles Reach Name Reach Description  
**07030004 (510 Retired) 013 21.46 Knife R Headwaters to Snake R**  
**This reach was split due to Knife Lake and distinct WQ differences above and below it. Three AUID reaches resulted, with 2 assessed as follows, and the third being 07030004-550, Knife R, Knife Lk**

HUC NHD event Seg Miles Reach Name Reach Description  
**07030004-549 16.16 Knife R Class 7 to Knife 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) Y Which pollutants Biology  
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Biology  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 5  
Additional Comments Fish IBI listing reinforced by new invertebrate results. Note that downstream sites are FS for both fish and inverts, upstream site NS. Knife Lake may be break point.

HUC NHD event Seg Miles Reach Name Reach Description  
**07030004-551 4.69 Knife R Knife Lk to Snake 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 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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HUC	NHD event	Seg	Miles	Reach Name	Reach Description
<b>07030004</b>	<b>515</b>	<b>107</b>	<b>3.94</b>	<b>Spring Brook</b>	<b>Headwaters to Snake R</b>
Aquatic life—preliminary assessment <u>NS</u> Final assessment <u>NS</u> Based on <u><b>Biota (fish)</b></u>					
AQL assessment quality (Excellent, good, fair, poor) <u><b>Good</b></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><b>NA</b></u>					
AR assessment quality (Excellent, good, fair, poor) _____					
Fish consumption use <u><b>NA</b></u>					
1998 TMDL listing (Y/N) <u>N</u> Which pollutants _____					
2002 TMDL listing (Y/N) <u><b>Y</b></u> Which pollutants <u><b>Biology</b></u>					
2004 Impairment (4 or 5) (Y/N) <u><b>Y</b></u> Which pollutants <u><b>Biology</b></u>					
Delisting status(if applicable) _____					
IAR category <u><b>5</b></u>					
Additional Comments _____					

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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030004 518            114 8.76 Little Ann R                      Headwaters (Dewitt Pool) to Ann Lk**

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)    Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/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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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030004 511            014 13.36 Ann R                      Headwaters (Ann Lk) to Snake 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 Biology  
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Biology  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 5  
Additional Comments \_\_\_\_\_

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HUC      NHD event Seg Miles Reach Name      Reach Description  
**07030004 505      006 3.57 Snake R      Fish Lk Outlet to Groundhouse 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 \_\_\_\_\_  
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 FCA  
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Mercury FCA  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 5  
Additional Comments Fish collection performed but currently no IBI is available that applies to “big rivers”.

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HUC      NHD event Seg Miles Reach Name      Reach Description  
**07030004 513      016 26.53 Groundhouse R      Headwaters to South Fk Groundhouse 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 NS Final assessment NS  
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 Fecal coliform, biota  
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Fecal coliform, biota  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 5  
Additional Comments \_\_\_\_\_

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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030004 539                      017 17.16 South Fk Groundhouse R                      Headwaters to Groundhouse 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)    Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/N)    Which pollutants \_\_\_\_\_  
2004 Impairment (4 or 5) (Y/N)   Y   Which pollutants   Biology    
Delisting status(if applicable) \_\_\_\_\_  
IAR category   5    
Additional Comments   site is close to confluence, which may give appearance of a better fish community than actually exists throughout the reach  

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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030004 504                      004 25.57 Mud Cr (CD #10)                      Headwaters to Snake 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   Biology    
2004 Impairment (4 or 5) (Y/N)    Which pollutants   Biology    
Delisting status(if applicable) \_\_\_\_\_  
IAR category   5    
Additional Comments \_\_\_\_\_

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HUC      NHD event Seg Miles Reach Name      Reach Description  
**07030004 522      na 4.59 Hay Cr      Headwaters to Snake R (Pine County)**

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 NA

1998 TMDL listing (Y/N) N Which pollutants \_\_\_\_\_

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

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

Delisting status(if applicable) \_\_\_\_\_

IAR category \_\_\_\_\_

Additional Comments: **\*not assessed because stream is channelized and drainage area is less than 20 sq. miles; list corrected in 2004** \_\_\_\_\_

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HUC      NHD event Seg Miles Reach Name      Reach Description  
**07030004 503      003 12.61 Snake R      Mud Cr to Mission 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 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 FCA

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

Delisting status(if applicable) \_\_\_\_\_

IAR category 5

Additional Comments: **Fish collection performed but currently no IBI is available that applies to “big rivers”.**

**2004 Assessments – St. Croix River Basin**

**Professional judgment group transparency form for assessed streams**

**This form does not include AUIDs that have only Mercury FCA information**

Revision Date: 5/25/2004

HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030004 532            na4.01      Pokegama Cr                      East Pokegama 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   **intense land use, pasturing and feedlots**    
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)    Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/N)    Which pollutants \_\_\_\_\_  
2004 Impairment (4 or 5) (Y/N)   **Y**   Which pollutants   **Biology**    
Delisting status(if applicable) \_\_\_\_\_  
IAR category   **5**    
Additional Comments \_\_\_\_\_

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**Not on preliminary assessment report**

HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030004 547            002\* 16.22 Mission Cr                      Class 1B, 2Bd, 3B portion**  
Aquatic life—preliminary assessment    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    
Aquatic recreation use—preliminary assessment    Final assessment     
1998 TMDL listing (Y/N)   N   Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/N)   **Y**   Which pollutants   **Biology**    
2004 Impairment (4 or 5) (Y/N)   **Y**   Which pollutants   **Biology**    
Delisting status(if applicable) \_\_\_\_\_  
IAR category   **5**    
Additional Comments   **This is a split of 07030004-502 at class changes**

**2004 Assessments – St. Croix River Basin**

**Professional judgment group transparency form for assessed streams**

**This form does not include AUIDs that have only Mercury FCA information**

Revision Date: 5/25/2004

HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030004 514            101 3.94 Bear Cr                      Headwaters to Snake 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)    Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/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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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030004 501            001 16.91 Snake R                      Mission Cr to St. Croix R**  
Aquatic life—preliminary assessment FS Final assessment FS Based on Chemistry  
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  
2002 TMDL listing (Y/N) Y Which pollutants Mercury FCA  
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Mercury FCA  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 5  
Additional Comments \_\_\_\_\_

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**2004 Assessments – St. Croix River Basin**

**Professional judgment group transparency form for assessed streams**

**This form does not include AUIDs that have only Mercury FCA information**

Revision Date: 5/25/2004

HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030005 507            028 4.86 St. Croix R                      Snake R to Wood 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 \_\_\_\_\_  
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 FCA  
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Mercury FCA  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 5  
Additional Comments: **Fish collection performed but currently no IBI is available that applies to “big rivers”.**

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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030005 555            na 1.75 Unnamed Cr                      Unnamed Cr to Rock 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 Intense land use pressure  
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) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Biology  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 5  
Additional Comments \_\_\_\_\_

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**2004 Assessments – St. Croix River Basin**

**Professional judgment group transparency form for assessed streams**

**This form does not include AUIDs that have only Mercury FCA information**

Revision Date: 5/25/2004

HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030005 508            029 16.19 Rock Cr                      Headwaters to St. Croix 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 Intense land use pressure  
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) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/N) Y Which pollutants Biology  
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Biology  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 5  
Additional Comments \_\_\_\_\_

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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030005 506            025 4.24 St. Croix R                      Rock Cr to Rush 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 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 FCA  
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Mercury FCA  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 5  
Additional Comments: **Fish collection performed but currently no IBI is available that applies to “big rivers”.**

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**2004 Assessments – St. Croix River Basin**

**Professional judgment group transparency form for assessed streams**

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Revision Date: 5/25/2004

HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030005 509                      030 14.54 Rush Cr                      Rush Lk to St. Croix 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 Biology  
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Biology  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 5  
Additional Comments \_\_\_\_\_

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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030005 510                      032 19.82 Goose Cr                      Headwaters (Goose Lk) to St. Croix 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 Biology  
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Biology  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 5  
Additional Comments \_\_\_\_\_

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**2004 Assessments – St. Croix River Basin**

**Professional judgment group transparency form for assessed streams**

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Revision Date: 5/25/2004

HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030005 526            935 2.86 Sunrise R                      Upstream from Comfort Lk**

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 NA  
AR assessment quality (Excellent, good, fair, poor) \_\_\_\_\_  
Fish consumption use NA  
1998 TMDL listing (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2004 Impairment (4 or 5) (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
Delisting status(if applicable) \_\_\_\_\_  
IAR category \_\_\_\_\_  
Additional Comments \_\_\_\_\_

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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030005 527            735 4.15 Sunrise R                      Comfort Lk to Pool 1**

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 low DO  
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) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2004 Impairment (4 or 5) (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
Delisting status(if applicable) \_\_\_\_\_  
IAR category \_\_\_\_\_  
Additional Comments biologists' determination that methods inappropriate for stream type

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**2004 Assessments – St. Croix River Basin**

**Professional judgment group transparency form for assessed streams**

**This form does not include AUIDs that have only Mercury FCA information**

Revision Date: 5/25/2004

HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030005 529                      B35 16.07 West Br Sunrise R                      Martin Lake to Sunrise 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) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Biology  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 5  
Additional Comments sampled for DNR Metro survey by Konrad Schmidt

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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030005 542                      135 6.75 Sunrise R                      Kost Dam to North Br Sunrise R**

Aquatic life—preliminary assessment NS Final assessment NS Based on Biota (Invert)  
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 49% disturbed land use  
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) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Biology  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 5  
Additional Comments one of the most prolific mussel beds in the state on this reach; unique freshwater sponge population. Rusty crayfish invasion during time of sampling; invert habitat may have been under-sampled due to trying to avoid damage to mussel beds. Dam at park may be providing sediment protection for mussels. Invert population may be giving an early warning or could be limited by sampling approach. DNR study of clam population expressed concern about WQ upstream of the dam.

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**2004 Assessments – St. Croix River Basin**

**Professional judgment group transparency form for assessed streams**

**This form does not include AUIDs that have only Mercury FCA information**

Revision Date: 5/25/2004

HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030005 556      na 0.73 JD #4                      Unnamed Cr to North Br Sunrise 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 NA

1998 TMDL listing (Y/N) N Which pollutants \_\_\_\_\_

2002 TMDL listing (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_

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

Delisting status(if applicable) \_\_\_\_\_

IAR category \_\_\_\_\_

Additional Comments: **\*not assessed because stream is channelized and drainage area is less than 20 sq. miles;** \_\_\_\_\_

HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030005 514      134 3.75 CD #7                      Unnamed Cr to North Br Sunrise R**

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 NA

1998 TMDL listing (Y/N) N Which pollutants \_\_\_\_\_

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

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

Delisting status(if applicable) \_\_\_\_\_

IAR category \_\_\_\_\_

Additional Comments: **\*not assessed because stream is channelized and drainage area is less than 20 sq. miles; list corrected in 2004** \_\_\_\_\_

**2004 Assessments – St. Croix River Basin**

**Professional judgment group transparency form for assessed streams**

**This form does not include AUIDs that have only Mercury FCA information**

Revision Date: 5/25/2004

HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030005 501            034 19.21 Sunrise R, North Br                      Headwaters to Sunrise R**  
Aquatic life—preliminary assessment NS Final assessment NS Based on Biota & FC  
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) \_\_\_\_\_  
Fish consumption use NA  
1998 TMDL listing (Y/N) Y Which pollutants Fecal coliform  
2002 TMDL listing (Y/N) Y Which pollutants Fecal coliform, biota  
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Fecal coliform, biota  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 5  
Additional Comments TMDL study underway

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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030005 545            133 0.6 Hay Cr                      CD3 (aka Beaver Cr) to Sunrise R**  
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 NA  
1998 TMDL listing (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2004 Impairment (4 or 5) (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
Delisting status(if applicable) \_\_\_\_\_  
IAR category \_\_\_\_\_  
Additional Comments biologist's judgement that IBI is inappropriate for this stream type

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**2004 Assessments – St. Croix River Basin**

**Professional judgment group transparency form for assessed streams**

**This form does not include AUIDs that have only Mercury FCA information**

Revision Date: 5/25/2004

HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030005 543            033 3.85 Sunrise R                      North Br to St. Croix 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 FS

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

Fish consumption use NA

1998 TMDL listing (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_

2002 TMDL listing (Y/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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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030005 505            022 4.69 St. Croix R                      Sunrise R to Trade 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 \_\_\_\_\_

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 FCA

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

Delisting status(if applicable) \_\_\_\_\_

IAR category 5

Additional Comments: **Fish collection performed but currently no IBI is available that applies to “big rivers”.**

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**2004 Assessments – St. Croix River Basin**

**Professional judgment group transparency form for assessed streams**

**This form does not include AUIDs that have only Mercury FCA information**

Revision Date: 5/25/2004

HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030005 518            218 14.35 St. Croix R                      Trade R to Taylors Falls dam**

Aquatic life—preliminary assessment FS Final assessment FS Based on \_\_\_\_\_  
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) Poor  
Fish consumption use NS

1998 TMDL listing (Y/N) Y Which pollutants Mercury  
2002 TMDL listing (Y/N) Y Which pollutants Mercury FCA  
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Mercury FCA  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 5  
Additional Comments \_\_\_\_\_

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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030005 551            518 3.92 Lawrence Cr                      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 NA

1998 TMDL listing (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2004 Impairment (4 or 5) (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
Delisting status(if applicable) \_\_\_\_\_  
IAR category \_\_\_\_\_  
Additional Comments dry earlier in year; insufficient understanding of how this affects IBI

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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030005 513            118 35.69 St. Croix R                      Taylors Falls dam to Apple 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 \_\_\_\_\_  
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 FCA  
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Mercury FCA  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 5  
Additional Comments: **Fish collection performed but currently no IBI is available that applies to “big rivers”.**

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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030005 504            007 15.97 St. Croix R                      Apple R to Willow R**  
Aquatic life—preliminary assessment FS Final assessment FS Based on \_\_\_\_\_  
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) Excellent  
Fish consumption use NS  
1998 TMDL listing (Y/N) Y Which pollutants Mercury  
2002 TMDL listing (Y/N) Y Which pollutants Mercury FCA  
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Mercury FCA  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 5  
Additional Comments note high NO2NO3

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HUC      NHD event Seg Miles Reach Name                  Reach Description  
**07030005 559                  na 2.43 Silver Cr                  Headwaters to St. Croix R**

Aquatic life—preliminary assessment FS Final assessment FS Based on \_\_\_\_\_  
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 Good HBI scores reported for this site  
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) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2004 Impairment (4 or 5) (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 2  
Additional Comments This dataset results from a good monitoring design to measure pollutant load, but the condition assessment methodology over-represents high flow events when used with such a dataset. Therefore, MCES performed a second data analysis, using the yearly flow hydrograph to distribute datapoints realistically. This analysis showed this site to exceed the 25 NTU turbidity standard only 5% of the time.

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HUC      NHD event Seg Miles Reach Name                  Reach Description  
**07030005 557                  na 2.35 Unnamed Cr                  Headwaters to Brown 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 NA  
1998 TMDL listing (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2004 Impairment (4 or 5) (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
Delisting status(if applicable) \_\_\_\_\_  
IAR category \_\_\_\_\_  
Additional Comments **biologists' determination that IBI inappropriate for this stream type**

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**2004 Assessments – St. Croix River Basin**

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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030005 519                      \*      4.48      Browns Cr                      Headwaters to trout stream portion**  
Aquatic life—preliminary assessment NS Final assessment NS Based on **Biota (fish and invert)**  
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 **Biology**  
2004 Impairment (4 or 5) (Y/N) Y Which pollutants **Biology**  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 5  
Additional Comments \*-519 and -520 were split from the original -512

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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030005 520                      \*      3.42      Browns Cr                      Trout stream portion**  
Aquatic life—preliminary assessment PS 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 MCES invert HBI scores have been good at this site.  
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) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2004 Impairment (4 or 5) (Y/N) Y Which pollutants **Impaired Biota**  
Delisting status(if applicable) Discussion of delisting this portion of the split reach due to apparent difference in WQ. Decision that evidence isn't strong enough at this time to delist.  
IAR category 5  
Additional Comments After WOMP program review by MCES, the turbidity dataset was withdrawn from the assessment process when discussion with project staff indicated that some of the exceedances are erroneous due to equipment malfunction.8-13-03. \*-519 and -520 were split from the original -512

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**2004 Assessments – St. Croix River Basin**

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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030005 560            na 1.74 Valley Cr                      Unnamed Cr to St. Croix R**

Aquatic life—preliminary assessment \_\_\_\_\_ 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 \_\_\_\_\_ Final assessment NA  
AR assessment quality (Excellent, good, fair, poor) \_\_\_\_\_  
Fish consumption use NA  
1998 TMDL listing (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2002 TMDL listing (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
2004 Impairment (4 or 5) (Y/N) \_\_\_\_\_ Which pollutants \_\_\_\_\_  
Delisting status(if applicable) \_\_\_\_\_  
IAR category \_\_\_\_\_  
Additional Comments relatively short period of record shows 10% exceedances , but no hydrograph available for secondary data analysis. Since continued monitoring is planned, wait for next assessment round.

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HUC      NHD event Seg Miles Reach Name                      Reach Description  
**07030005 503            003 12.61 St. Croix R                      Willow R to Kinnickinnic R**

Aquatic life—preliminary assessment FS Final assessment FS Based on \_\_\_\_\_  
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) Good  
Fish consumption use NS  
1998 TMDL listing (Y/N) Y Which pollutants Mercury  
2002 TMDL listing (Y/N) Y Which pollutants Mercury FCA  
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Mercury FCA  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 5  
Additional Comments \_\_\_\_\_

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HUC NHD event Seg Miles Reach Name Reach Description  
**07030005 558 na 1.88 Unnamed Cr Headwaters to Eagle Point Lk**

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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HUC NHD event Seg Miles Reach Name Reach Description  
**07030005 502 0016.45 St. Croix R Kinnickinnic R to Mississippi R**

Aquatic life—preliminary assessment FS Final assessment FS Based on \_\_\_\_\_  
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) \_\_\_\_\_  
Fish consumption use NS  
1998 TMDL listing (Y/N) Y Which pollutants Mercury  
2002 TMDL listing (Y/N) Y Which pollutants Mercury FCA  
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Mercury FCA  
Delisting status(if applicable) \_\_\_\_\_  
IAR category 5  
Additional Comments \_\_\_\_\_

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## 2004 Assessments – St. Croix River Basin

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The following reaches were included in the original PJG Transparency Document used in the review, but were not assessed because the monitoring results expected were either unavailable or inappropriate for the data analysis used for this assessment. They are included here simply to avoid confusion in records.

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
<b>07030005</b>	<b>552</b>	<b>418</b>	<b>2.41</b>	<b>Lawrence</b>	<b>Unnamed Cr to St. Croix R</b>

Fish were collected for bioassessment on this reach, but it is a coldwater stream, for which the IBI developed for use in the integrated assessments is not appropriate. Therefore, this reach is not assessed.

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HUC	NHD event	Seg	Miles	Reach Name	Reach Description
<b>07030005</b>	<b>903</b>	<b>na</b>	<b>na</b>	<b>Falls Cr</b>	<b>? to St. Croix R</b>

Fish were collected for bioassessment on this reach, but it is a coldwater stream, for which the IBI developed for use in the integrated assessments is not appropriate. Therefore, this reach is not assessed.

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HUC	NHD event	Seg	Miles	Reach Name	Reach Description
<b>07030005</b>	<b>901</b>	<b>na</b>	<b>na</b>	<b>Unnamed Cr</b>	<b>? to St. Croix R</b>

Fish were collected for bioassessment on this reach, but it is a coldwater stream, for which the IBI developed for use in the integrated assessments is not appropriate. Therefore, this reach is not assessed.

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HUC	NHD event	Seg	Miles	Reach Name	Reach Description
<b>07030005</b>	<b>902</b>	<b>na</b>	<b>na</b>	<b>Gilbertson Cr</b>	<b>downstream of public access in Scandia, barrier</b>

Fish were collected for bioassessment on this reach, but it is a coldwater stream, for which the IBI developed for use in the integrated assessments is not appropriate. Therefore, this reach is not assessed.

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HUC	NHD event	Seg	Miles	Reach Name	Reach Description
<b>07030005</b>	<b>565</b>	<b>na</b>	<b>2.20</b>	<b>Unnamed Cr</b>	<b>Headwaters to St. Croix R</b>

Fish were collected for bioassessment on this reach, but it is a coldwater stream, for which the IBI developed for use in the integrated assessments is not appropriate. Therefore, this reach is not assessed.

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HUC	NHD event	Seg	Miles	Reach Name	Reach Description
<b>07030005</b>	<b>549</b>	<b>318</b>	<b>1.44</b>	<b>Roadside Ditch</b>	<b>Headwaters to St. Croix R</b>

Fish were collected for bioassessment on this reach, but it is a coldwater stream, for which the IBI developed for use in the integrated assessments is not appropriate. Therefore, this reach is not assessed.

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HUC	NHD event	Seg	Miles	Reach Name	Reach Description
<b>07030005</b>	<b>904</b>	<b>na</b>	<b>na</b>	<b>Willow Bk</b>	<b>upstream of Hwy 95</b>

Fish were collected for bioassessment on this reach, but it is a coldwater stream, for which the IBI developed for use in the integrated assessments is not appropriate. Therefore, this reach is not assessed.

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HUC	NHD event	Seg	Miles	Reach Name	Reach Description
<b>07030005</b>	<b>566</b>	<b>na</b>	<b>0.98</b>	<b>Valley Cr (Valley Branch)</b>	<b>Unnamed Cr to Unnamed Cr</b>

Fish were collected for bioassessment on this reach, but it is a coldwater stream, for which the IBI developed for use in the integrated assessments is not appropriate. Therefore, this reach is not assessed.

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HUC	NHD event	Seg	Miles	Reach Name	Reach Description
<b>07030005</b>	<b>567</b>	<b>na</b>	<b>1.78</b>	<b>Unnamed Cr</b>	<b>Unnamed Cr to Valley Cr</b>

Fish were collected for bioassessment on this reach, but it is a coldwater stream, for which the IBI developed for use in the integrated assessments is not appropriate. Therefore, this reach is not assessed.

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HUC	NHD event	Seg	Miles	Reach Name	Reach Description
<b>07030005</b>	<b>568</b>	<b>071</b>	<b>17.16</b>	<b>South Fk Groundhouse R</b>	<b>Headwaters to Groundhouse R</b>

568 is a typo error. The **correct NHD event** for this reach is **539**, an assessment for which is included earlier in this document.

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HUC	NHD event	Seg	Miles	Reach Name	Reach Description
<b>07030005</b>	<b>905</b>	<b>na</b>	<b>na</b>	<b>Unnamed Cr</b>	<b>first stream downstream of high RR bridge</b>

Fish were collected for bioassessment on this reach, but it is a coldwater stream, for which the IBI developed for use in the integrated assessments is not appropriate. Therefore, this reach is not assessed.

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