

2004 Assessments – Des Moines River Basin

Professional judgment group transparency form for assessed streams

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

Revision Date: 12/29/2003

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 AUID Seg Miles Reach Name Reach Description
07100002-501 013 10.93 DesMoines R JD66 to MN/IA border
Aquatic life—preliminary assessment NS Final assessment NS Based on Turbidity
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NS Final assessment NS
Aquatic recreation assessment quality (Excellent, good, fair, poor) Good
Fish consumption use NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Fecal Coliform and Turbidity
Delisting status (if applicable) _____
IAR category 5
Additional Comments WDM-3 Milestone location is about 3 miles upstream of border on this reach.

HUC AUID Seg Miles Reach Name Reach Description
07100003-501 021 31.34 DesMoines R, East Headwaters to Okamanpeedan Lk
Aquatic life—preliminary assessment NS Final assessment NS Based on Turbidity
AQL assessment quality (Excellent, good, fair, poor) Good
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NS Final assessment NA too few data _____
Aquatic recreation assessment quality (Excellent, good, fair, poor) _____
Fish consumption use NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants Turbidity
2004 Impairment (4 or 5) (Y/N) Y Which pollutants Turbidity
Delisting status (if applicable) _____
IAR category 5
Additional Comments _____

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HUC AUID Seg Miles Reach Name Reach Description
07100001-501 101 24.71 DesMoines R Windom Dam to Jackson Dam
Aquatic life—preliminary assessment NS Final assessment NS Based on Turbidity
AQL assessment quality (Excellent, good, fair, poor) **Good**
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NS Final assessment **PS**
Aquatic recreation assessment quality (Excellent, good, fair, poor) **Excellent**
Fish consumption use **NA**
1998 TMDL listing (Y/N) **Y** Which pollutants **Turbidity**
2002 TMDL listing (Y/N) **Y** Which pollutants **ammonia, dissolved oxygen, turbidity, fecal coliform**
2004 Impairment (4 or 5) (Y/N) **Y** Which pollutants **ammonia, dissolved oxygen, turbidity, fecal coliform**
Delisting status (if applicable) **review additional ammonia and DO data**
IAR category **5**
Additional Comments _____

HUC AUID Seg Miles Reach Name Reach Description
07010001-512 131 6.79 Okabena Cr Unnamed Cr to Elk Cr
No Assessment because this reach is a Use Class 7.

HUC AUID Seg Miles Reach Name Reach Description
07010001-527 015 15.83 Heron Lk Outlet Heron Lake to DesMoines R
No Assessment because this reach is a Use Class 7.

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HUC AUID Seg Miles Reach Name Reach Description
07100001-533 002 30.24 Des Moines R Lime Cr to Heron Lk Outlet
Aquatic life—preliminary assessment NS Final assessment NS Based on Turbidity
AQL assessment quality (Excellent, good, fair, poor) **Good**
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NS Final assessment **PS**
Aquatic recreation assessment quality (Excellent, good, fair, poor) **Good**
Fish consumption use **NA**
1998 TMDL listing (Y/N) **N** Which pollutants _____
2002 TMDL listing (Y/N) **N** Which pollutants _____
2004 Impairment (4 or 5) (Y/N) **Y** Which pollutants **Turbidity and Fecal Coliform**
Delisting status (if applicable) _____
IAR category **5**
Additional Comments _____

HUC AUID Seg Miles Reach Name Reach Description
07100001-535 114 23.59 Lime Cr Lime Lk to DesMoines R
Aquatic life—preliminary assessment NS Final assessment NS Based on Turbidity
AQL assessment quality (Excellent, good, fair, poor) **Good**
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Aquatic recreation use—preliminary assessment NS Final assessment **PS**
Aquatic recreation assessment quality (Excellent, good, fair, poor) **Good**
Fish consumption use **NA**
1998 TMDL listing (Y/N) **N** Which pollutants _____
2002 TMDL listing (Y/N) **N** Which pollutants _____
2004 Impairment (4 or 5) (Y/N) **Y** Which pollutants **Turbidity and Fecal Coliform**
Delisting status (if applicable) _____
IAR category **5**
Additional Comments _____

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HUC AUID Seg Miles Reach Name Reach Description
07100001-503 011 28.67 Beaver Cr CD 20 to W Fk DesMoines R

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