

Professional judgement group transparency form for assessed streams –Minnesota River Basin—5-24-02

HUC NHD event Seg Miles Reach Name Reach Description
07020001 501 002 12.68 Minnesota R Lac Qui Parle Lk
 Aquatic life—preliminary assessment FS Final assessment NA Based on _____
 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 _____
 Swimming use—preliminary assessment FS Final assessment FS _____
 1998 TMDL listing (Y/N) Y Which pollutants Unionized ammonia _____
 2002 TMDL listing (Y/N) Y Which pollutants Keep unionized ammonia on list.
 Additional Comments: **Carol and Louise reviewed the raw data on which the ammonia listing was based. Ammonia data for 1990-2000 is all from 1990-1994 time period. Exceedances are during 1985-1989. Exceedances were primarily during low flow times. Have not had data during low flow since then.**

HUC NHD event Seg Miles Reach Name Reach Description
07020001 507 026 10.96 Fish Cr Headwaters to Big Stone Lk
 Aquatic life—preliminary assessment FS Final assessment NA Based on _____
 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 _____
 Swimming use—preliminary assessment NA Final assessment NA _____
 1998 TMDL listing (Y/N) N Which pollutants _____
 2002 TMDL listing (Y/N) N Which pollutants _____
 Additional Comments Too few parameters to make an assessment, barely enough observations

HUC NHD event Seg Miles Reach Name Reach Description
07020001 508 028 16.57 Little Minnesota R Jorgenson R to Big Stone Lk
 Aquatic life—preliminary assessment NS Final assessment FS Based on **Turbidity estimated from TSS**
 Factors used, please describe
 A. Timing of exceedances All TSS data is in 1991, it includes event sampling
 B. Magnitude of exceedances _____
 C. Seasonality of exceedances _____
 D. Naturally occurring conditions High gradient stream at point it enters the lake
 E. Combination of narrative and numeric standards _____
 F. Known point and nonpoint influences in the watershed There is some concern about manure spreading upstream in South Dakota
 G. Additional data _____
 Swimming use—preliminary assessment NA Final assessment NA _____
 1998 TMDL listing (Y/N) N Which pollutants _____
 2002 TMDL listing (Y/N) N Which pollutants _____
 Additional Comments FS based on pH and ammonia, there are barely enough TSS observations and they are all in 1991, so we are not using TSS.

HUC NHD event Seg Miles Reach Name Reach Description
07020002 501 001 47.85 Pomme de Terre R Muddy Cr to Minnesota R (Marsh Lk)
Aquatic life—preliminary assessment NS Final assessment NS Based on **Turbidity**
Factors used, please describe
A. Timing of exceedances **DO exceedances all before dam was flooded out, the most severe under ice.**
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 _____
Swimming use—preliminary assessment NS—go to Step 2 _____ Final assessment PS _____
1998 TMDL listing (Y/N) Y Which pollutants **Low DO, fecal coliform** _____
2002 TMDL listing (Y/N) Y Which pollutants **Turbidity, low DO, fecal coliform** _____
Additional Comments Should consider delisting for DO _____

HUC NHD event Seg Miles Reach Name Reach Description
07020002 502 002 46.64 Pomme De Terre R Pomme de Terre Lk to Muddy Creek
Aquatic life—preliminary assessment FS Final assessment FS Based on _____
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 _____
Swimming use—preliminary assessment NA Final assessment NA _____
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
Additional Comments Based on DO, it is fully supporting aquatic life use. _____

HUC NHD event Seg Miles Reach Name Reach Description
07020004 501 019 10.79 Minnesota R Chippewa R to Stony Run Cr
Aquatic life—preliminary assessment FS Final assessment PS Based on **Turbidity est. from TSS**
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 _____
Swimming use—preliminary assessment PS—go to step 2 _____ Final assessment FS _____
1998 TMDL listing (Y/N) Y Which pollutants **Fecal coliform** _____
2002 TMDL listing (Y/N) Y Which pollutants **Turbidity, Fecal coliform** _____
Additional Comments: **Consider delisting for Fecal coliform – no exceedances after treatment plant upgrade.** _____

HUC NHD event Seg Miles Reach Name Reach Description
07020004 502 022 26.25 Yellow Medicine R Spring Cr to Minnesota R
Aquatic life—preliminary assessment NS Final assessment NS Based on **Turbidity**
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 _____
Swimming use—preliminary assessment **PS—go to step 2** Final assessment FS
1998 TMDL listing (Y/N) Y Which pollutants Fecal coliform
2002 TMDL listing (Y/N) Y Which pollutants Turbidity, Fecal coliform
Additional Comments: **May be newer data here. Wade Gillingham says no new turbidity or TSS data, use what we have; consider for delisting for Fecal coliform.**

HUC NHD event Seg Miles Reach Name Reach Description
07020004 503 028 48.48 S Br Yellow Medicine R Headwaters to Yellow Medicine R
Aquatic life—preliminary assessment NS Final assessment NS Based on **Turbidity est. from TSS**
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 _____
Swimming use—preliminary assessment NS--go to Step 2 Final assessment Step 2 NS
1998 TMDL listing (Y/N) Y Which pollutants Fecal coliform
2002 TMDL listing (Y/N) Y Which pollutants Turbidity, Fecal coliform
Additional Comments: **Wade Gillingham says no new turbidity on TSS data; use what we have.**

HUC NHD event Seg Miles Reach Name Reach Description
07020004 505 020 15.29 Minnesota R Lac Qui Parle Lk to Chippewa R
Aquatic life—preliminary assessment FS Final assessment NA Based on _____
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 _____
Swimming use—preliminary assessment NA Final assessment NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
Additional Comments: **Only one parameter – ammonia; very few observations; very little extra drainage after Montevideo where it's assessed as fully supporting.**

HUC NHD event Seg Miles Reach Name Reach Description
07020004 507 008 4.01 Minnesota R Sacred Heart Cr to Timms Cr
Aquatic life—preliminary assessment NS Final assessment NS Based on **Turbidity**
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 _____
Swimming use—preliminary assessment **PS-go to Step 2** Final assessment **FS**
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants **Turbidity** _____
Additional Comments _____

HUC NHD event Seg Miles Reach Name Reach Description
07020004 509 006 9.32 Minnesota R Timms Cr to Redwood R
Aquatic life—preliminary assessment NA Final assessment NA Based on _____
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 _____
Swimming use—preliminary assessment **FS** Final assessment **FS**
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
Additional Comments _____

HUC NHD event Seg Miles Reach Name Reach Description
07020005 501 001 12.6 Chippewa R Watson Sag Diversion to Minnesota R
Aquatic life—preliminary assessment NS Final assessment NS Based on **Turbidity estimated from TSS**
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 _____
Swimming use—preliminary assessment **NS-go to Step 2** Final assessment **PS**
1998 TMDL listing (Y/N) Y Which pollutants **Ammonia, fecal coliform** _____
2002 TMDL listing (Y/N) Y Which pollutants **Turbidity, fecal coliform**
Additional Comments **It would be good to have a site above the discharger. We are working on delisting this segment for ammonia. We split segment 001 into 501 and 502, split at the Diversion Channel**

HUC NHD event Seg Miles Reach Name Reach Description
07020005 502 001 3.2 Chippewa R Dry Weather Cr to Watson Sag Diversion
Aquatic life—preliminary assessment NS Final assessment NA Based on
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 _____
Swimming use—preliminary assessment NA Final assessment NA
1998 TMDL listing (Y/N) Y Which pollutants Ammonia, fecal coliform (Seg 001) (see NHD event 501)
2002 TMDL listing (Y/N) N Which pollutants _____
Additional Comments: **Observations are all downstream of the Diversion Channel (NHD event 501)**

HUC NHD event Seg Miles Reach Name Reach Description
07020006 501 001 4.05 Redwood R Ramsey Cr to Minnesota R
Aquatic life—preliminary assessment NS Final assessment FS Based on **Good Biology**
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 _____
Swimming use—preliminary assessment NS-go to Step 2 Final assessment PS
1998 TMDL listing (Y/N) Y Which pollutants Fecal coliform
2002 TMDL listing (Y/N) Y Which pollutants Fecal coliform
Additional Comments: **Excellent IBI; Biology overrides Chemistry for use support; turbidity may be affecting aquatic life in other reaches.**

HUC NHD event Seg Miles Reach Name Reach Description
07020006 502 106 26.25 Redwood R Below Trout Stream portion to Threemile Cr
Aquatic life—preliminary assessment PS Final assessment PS Based on **Biology**
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 _____
Swimming use—preliminary assessment NS-go to Step 2 Final assessment NS
1998 TMDL listing (Y/N) Y Which pollutants NH3, DO
2002 TMDL listing (Y/N) Y Which pollutants Fecal coliform, Biology, ammonia
Additional Comments: **Fair IBI; can't use only 19 TSS obs; do not have additional TSS or turbidity data. TMDL has been completed for ammonia and DO. Has been delisted for DO, consider delisting for ammonia.**

HUC NHD event Seg Miles Reach Name Reach Description
07020006 503 004 29.3 Redwood R Threemile Cr to Clear Cr
Aquatic life—preliminary assessment PS Final assessment PS Based on **Biology**
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 _____
Swimming use—preliminary assessment NA Final assessment NA _____
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants Biology _____
Additional Comments Fair IBI _____

HUC NHD event Seg Miles Reach Name Reach Description
07020006 504 005 44.39 Threemile Cr Headwaters to Redwood R
Aquatic life—preliminary assessment PS Final assessment FS Based on
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 Additional TSS data consistent with turbidity listing. _____
Swimming use—preliminary assessment NA Final assessment NA _____
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
Additional Comments: **Fair IBI; poor biology at one site was not correct**

HUC NHD event Seg Miles Reach Name Reach Description
0702006 505 009 32.71 Redwood R Headwaters to Coon Creek
Aquatic life—preliminary assessment PS Final assessment PS Based on **Biology**
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 _____
Swimming use—preliminary assessment NA Final assessment NA _____
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants Biology _____
Additional Comments: **Fair IBI; Poor IBI is valid; area may go dry.**

HUC NHD event Seg Miles Reach Name Reach Description
07020006 506 010 24.83 Clear Cr Headwaters to Redwood R
Aquatic life—preliminary assessment PS Final assessment FS Based on **Biology**
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 _____
Swimming use—preliminary assessment NA Final assessment NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
Additional Comments Good IBI; Pat looked at this; Jim Doering at RCRCA says this is one of their nice small streams; TSS samples not really representative.

HUC NHD event Seg Miles Reach Name Reach Description
07020006 509 203 13.43 Redwood R Clear Cr to dam, excluding Lk
Aquatic life—preliminary assessment PS Final assessment FS Based on _____
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 Consistent with listing for turbidity
Swimming use—preliminary assessment NA Final assessment NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
Additional Comments Corps does have data on this segment, but don't use for now. Biology overrides Chemistry. Biology indicates fully supporting

HUC NHD event Seg Miles Reach Name Reach Description
07020006 512 209 5.01 JD 12 CD 14 to Redwood R
Aquatic life—preliminary assessment PS Final assessment FS Based on **Biology**
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 _____
Swimming use—preliminary assessment PS-go to Step 2 Final assessment PS
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants Fecal coliform
Additional Comments: Not enough TSS data; no new TSS data. IBI indicates fully supporting aquatic life use

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
07020006	513	206	6.38	Redwood R	Trout stream portion
Aquatic life—preliminary assessment <u> FS </u> Final assessment <u> FS </u> Based on <u> Biology </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 _____					
Swimming use—preliminary assessment <u> NA </u> Final assessment <u> NA </u>					
1998 TMDL listing (Y/N) <u> N </u> Which pollutants _____					
2002 TMDL listing (Y/N) <u> N </u> Which pollutants _____					
Additional Comments <u> Good IBI </u>					

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
07020007	501	002	6.39	Minnesota R	Shahaska Cr to Rogers Cr
Aquatic life—preliminary assessment <u> NS </u> Final assessment <u> NS </u> Based on Turbidity					
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 _____					
Swimming use—preliminary assessment <u> NS </u> Final assessment <u> NS </u>					
1998 TMDL listing (Y/N) <u> Y </u> Which pollutants <u> Fecal coliform </u>					
2002 TMDL listing (Y/N) <u> Y </u> Which pollutants <u> Turbidity, Fecal coliform </u>					
Additional Comments _____					

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
07020007	502	003	16.84	Minnesota R	Blue Earth to Shahaska Cr
Aquatic life—preliminary assessment <u> NS </u> Final assessment <u> NS </u> Based on Turbidity estimated from TSS					
Factors used, please describe					
A. Timing of exceedances <u> Timing was considered </u>					
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 _____					
Swimming use—preliminary assessment <u> NA </u> Final assessment <u> NA </u>					
1998 TMDL listing (Y/N) <u> Y </u> Which pollutants <u> Fecal coliform </u>					
2002 TMDL listing (Y/N) <u> Y </u> Which pollutants <u> Turbidity; keep Fecal coliform listing. </u>					

Additional Comments: **Some improvements in recent years, but still very turbid.**_____

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
07020007	503	010	7.2	Minnesota R	Cottonwood R to Little Cottonwood R

Aquatic life—preliminary assessment NS Final assessment NS Based on **Turbidity**
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances **Lead exceedance not much higher than standard, other values low.**
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 _____
Swimming use—preliminary assessment NS Final assessment Go to Step 2 **FS** _____
1998 TMDL listing (Y/N) Y Which pollutants Fecal coliform _____
2002 TMDL listing (Y/N) Y Which pollutants Turbidity _____
Additional Comments: **Only one lead exceedance; consider delisting for Fecal coliform.**_____

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
07020007	505	005	8.44	Minnesota R	Swan Lk Outlet to Minneopa Cr

Aquatic life—preliminary assessment NS Final assessment NS Based on **Turbidity**
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 _____
Swimming use—preliminary assessment PS Final assessment FS _____
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants Turbidity _____
Additional Comments _____

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
07020007	508	011	19.87	Minnesota R	Eightmile Cr to Cottonwood R

Aquatic life—preliminary assessment NA Final assessment NA Based on _____
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 _____
Swimming use—preliminary assessment PS-to to Step 2 Final assessment NA _____
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____

Additional Comments _____

HUC NHD event Seg Miles Reach Name Reach Description
07020007 511 016 6.86 Minnesota R Fort Ridgely Cr to Spring Cr
Aquatic life—preliminary assessment NA Final assessment NA Based on _____
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 _____
Swimming use—preliminary assessment FS Final assessment FS
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
Additional Comments: **If 10 samples in Aug., Sept. don't violate, this is a good sign; looked at several contiguous segments – all support fully supporting.** _____

HUC NHD event Seg Miles Reach Name Reach Description
07020007 512 018 14.12 Minnesota R Wabasha Cr to Fort Ridgely Cr
Aquatic life—preliminary assessment NA Final assessment NA Based on _____
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 _____
Swimming use—preliminary assessment PS-go to Step 2 Final assessment FS
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
Additional Comments _____

HUC NHD event Seg Miles Reach Name Reach Description
07020007 513 019 7.9 Minnesota R Birch Coulee to Wabasha Cr
Aquatic life—preliminary assessment NA Final assessment NA Based on _____
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 _____
Swimming use—preliminary assessment PS-go to Step 2 Final assessment FS
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____

Additional Comments _____

HUC NHD event Seg Miles Reach Name Reach Description
07020007 514 021 9.12 Minnesota R Beaver Cr to Birch Coulee
Aquatic life—preliminary assessment NS Final assessment NS Based on **Turbidity**
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 _____
Swimming use—preliminary assessment PS-go to Step 2 Final assessment FS
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants Turbidity
Additional Comments TSS consistent with turbidity assessment.

HUC NHD event Seg Miles Reach Name Reach Description
07020007 516 NA 5.91 CD 46A Headwaters to Sevenmile Creek
Aquatic life—preliminary assessment NS Final assessment NA Based on
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 _____
Swimming use—preliminary assessment NA Final assessment NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
Additional Comments **Scott says NA for biology; IBI does not apply here.**

HUC NHD event Seg Miles Reach Name Reach Description
07020008 501 001 23.98 Cottonwood R JD 30 to Minnesota R
Aquatic life—preliminary assessment NS Final assessment NS Based on Turbidity
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 _____
Swimming use—preliminary assessment NS-go to Step 2 Final assessment NS
1998 TMDL listing (Y/N) Y Which pollutants Fecal coliform
2002 TMDL listing (Y/N) Y Which pollutants Turbidity, Fecal coliform

Additional Comments _____

HUC NHD event Seg Miles Reach Name Reach Description
07020009 501 001 3.2 Blue Earth R Le Sueur R to Minnesota R
Aquatic life—preliminary assessment NS Final assessment NS Based on **Turbidity**
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 _____
Swimming use—preliminary assessment NS-go to Step 2 Final assessment NS
1998 TMDL listing (Y/N) Y Which pollutants Fecal coliform
2002 TMDL listing (Y/N) Y Which pollutants Turbidity, Fecal coliform
Additional Comments _____

HUC NHD event Seg Miles Reach Name Reach Description
07020009 503 010 23.33 Center Cr Lily Cr to Blue Earth River
Aquatic life—preliminary assessment NS Final assessment NS Based on **Turbidity**
Factors used, please describe
A. Timing of exceedances: **Need to look at flow – possibly ammonia still a problem if sampling at low flow.**
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 _____
Swimming use—preliminary assessment NS-to to Step 2 Final assessment Go to Step 2; NS
1998 TMDL listing (Y/N) Y Which pollutants ammonia, Fecal coliform
2002 TMDL listing (Y/N) Y Which pollutants Turbidity, Fecal coliform, ammonia
Additional Comments: **To be considered for delisting for ammonia. Additional ambient data collected by Fairmont indicates some problem with ammonia. Carol Sinden has the data.**

HUC NHD event Seg Miles Reach Name Reach Description
07020009 504 019 5.58 Blue Earth R West Br Earth R to Coon Cr
Aquatic life—preliminary assessment NS Final assessment NS Based on **Turbidity**
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 _____
Swimming use—preliminary assessment NS-go to Step 2 Final assessment NS
1998 TMDL listing (Y/N) Y Which pollutants Fecal coliform

2002 TMDL listing (Y/N) Y Which pollutants Turbidity, Fecal coliform
Additional Comments _____

HUC NHD event Seg Miles Reach Name Reach Description
07020009 505 204 6.18 JD 3 Headwaters to Elm Cr
Aquatic life—preliminary assessment PS Final assessment NA Based on _____
Factors used, please describe
A. Timing of exceedances 2 exceedances on the same day.
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions Intermittent stream.
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____
G. Additional data _____
Swimming use—preliminary assessment NA Final assessment NA
1998 TMDL listing (Y/N) Y Which pollutants Low DO
2002 TMDL listing (Y/N) Y Which pollutants Keep on list for DO
Additional Comments: **Was on 1998 TMDL list for DO – probably Lee’s project. Age of data few observations.**

HUC NHD event Seg Miles Reach Name Reach Description
07020009 507 003 35.43 Blue Earth R Willow Ck to Watonwan R
Aquatic life—preliminary assessment NS Final assessment FS Based on biology
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 _____
Swimming use—preliminary assessment NA Final assessment NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
Additional Comments: **Fair IBI; Biology indicates full support of aquatic life use. Segment 003 was split into 507 and 515 at Willow Creek because of the change in gradient; Biology overrides Chemistry.**

HUC NHD event Seg Miles Reach Name Reach Description
07020009 515 003 24.83 Blue Earth R Elm Ck to Willow Ck
Aquatic life—preliminary assessment NS Final assessment NS Based on **Biology, Turbidity**
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 _____
Swimming use—preliminary assessment NA Final assessment NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants Turbidity, biology

Additional Comments: **Segment 003 was split into 507 and 515 at Willow Creek because of change in gradient.**

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
07020009	508	015	10.33	Blue Earth R	East Br Earth R to South Cr
Aquatic life—preliminary assessment <u> NS </u> Final assessment <u> NS </u> Based on Turbidity, Biology					
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 _____					
Swimming use—preliminary assessment <u> NA </u> Final assessment <u> NA </u>					
1998 TMDL listing (Y/N) <u> N </u> Which pollutants _____					
2002 TMDL listing (Y/N) <u> Y </u> Which pollutants: <u> Turbidity, Biology </u>					
Additional Comments: Poor IBI _____					

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
07020009	509	102	8.78	Blue Earth R	Rapidan dam to Le Sueuer R
Aquatic life—preliminary assessment <u> NS </u> Final assessment <u> FS </u> Based on _____					
Factors used, please describe					
A. Timing of exceedances <u> Biology 1992; turbidity 1998 </u>					
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 _____					
Swimming use—preliminary assessment <u> NA </u> Final assessment <u> NA </u>					
1998 TMDL listing (Y/N) <u> N </u> Which pollutants _____					
2002 TMDL listing (Y/N) <u> N </u> Which pollutants _____					
Additional Comments <u> Good IBI; Biology overrides Chemistry </u>					

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
07020009	511	115	3.82	CD 60	Headwaters to Blue Earth R
Aquatic life—preliminary assessment <u> NS </u> Final assessment <u> NA </u> Based on Biology					
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 _____					
Swimming use—preliminary assessment <u> NA </u> Final assessment <u> NA </u>					
1998 TMDL listing (Y/N) <u> N </u> Which pollutants _____					
2002 TMDL listing (Y/N) <u> N </u> Which pollutants _____					

Additional Comments **Scott says IBI does not apply here.**

HUC NHD event Seg Miles Reach Name Reach Description
07020010 501 001 17.53 Watonwan R Perch Cr to Blue Earth R
Aquatic life—preliminary assessment NS Final assessment NS Based on **Turbidity**
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 _____
Swimming use—preliminary assessment NS Final assessment NS
1998 TMDL listing (Y/N) Y Which pollutants Fecal coliform
2002 TMDL listing (Y/N) Y Which pollutants Turbidity, Fecal coliform
Additional Comments _____

HUC NHD event Seg Miles Reach Name Reach Description
07020010 503 209 15.63 St James Cr Above Class 7 Waters
Aquatic life—preliminary assessment NS Final assessment NS Based on **Turbidity estimated from TSS**
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 _____
Swimming use—preliminary assessment NA Final assessment NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants Turbidity
Additional Comments: **Probably tertiary MRAP site so is not just event sampling in 1991 & 1992.**

HUC NHD event Seg Miles Reach Name Reach Description
07020010 505 NA 2.88 Unnamed Cr Headwaters to Mountain Lk
Aquatic life—preliminary assessment NA Final assessment NA Based on _____
Factors used, please describe
A. Timing of exceedances All data in 1991; BMPs since.
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 Known to have installed buffers since 1991, and BMP activity in watershed.
G. Additional data _____
Swimming use—preliminary assessment NA Final assessment NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____

Additional Comments: **No recent data; NA because of old data, actions have been taken since exceedances were observed.**_____

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
07020011	501	001	5.92	Le Sueur	Maple R to Blue Earth R
Aquatic life—preliminary assessment <u> NS </u> Final assessment <u> NS </u> Based on Turbidity					
Factors used, please describe					
A. Timing of exceedances _____					
B. Magnitude of exceedances <u> Consistently high turbidity exceedances </u>					
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 _____					
Swimming use—preliminary assessment <u> NA </u> Final assessment <u> NA </u>					
1998 TMDL listing (Y/N) <u> N </u> Which pollutants _____					
2002 TMDL listing (Y/N) <u> Y </u> Which pollutants <u> Turbidity </u>					
Additional Comments: Most of data is Met Council; Cathy's data shows consistently high exceedances even though we know it's some mix of grab and events. _____					

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
07020011	503	110	3.03	Unnamed Cr	Headwaters to Cobb R
Aquatic life—preliminary assessment <u> PS </u> Final assessment <u> PS </u> Based on Turbidity					
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 _____					
Swimming use—preliminary assessment <u> NS </u> Final assessment <u> NA </u>					
1998 TMDL listing (Y/N) <u> N </u> Which pollutants _____					
2002 TMDL listing (Y/N) <u> Y </u> Which pollutants <u> Turbidity </u>					
Additional Comments: Know that current BMPs are addressing FC, this data set shows some FC data improvement since 1998; septic system upgraded with 319 money, and cattle moved. _____					

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
07020011	504	018	16.27	Little Cobb R	Bull Run Cr to Cobb R
Aquatic life—preliminary assessment <u> NS </u> Final assessment <u> NS </u> Based on Turbidity, Biology					
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 _____					
Swimming use—preliminary assessment <u> NA </u> Final assessment <u> NA </u>					

2002 TMDL listing (Y/N) Y Which pollutants Turbidity, Fecal coliform
Additional Comments _____

HUC NHD event Seg Miles Reach Name Reach Description
07020012 505 101 21.91 Minnesota R RM 22 to Mississippi R
Aquatic life—preliminary assessment NS Final assessment NS Based on **Turbidity**
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 _____
Swimming use—preliminary assessment NS-go to Step 2 Final assessment PS
1998 TMDL listing (Y/N) Y Which pollutants Mercury, DO, Fecal coliform, turbidity
2002 TMDL listing (Y/N) Y Which pollutants Turbidity, Fecal coliform; keep on list for DO and mercury.
Additional Comments: **This segment stays on TMDL list for DO until flow is low enough to do low flow study.**

HUC NHD event Seg Miles Reach Name Reach Description
07020012 506 201 10.27 Minnesota R Carver Cr to RM 22
Aquatic life—preliminary assessment NS Final assessment NS Based on **Turbidity**
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 _____
Swimming use—preliminary assessment NS-go to Step 2 Final assessment FS
1998 TMDL listing (Y/N) Y Which pollutants Mercury, DO, turbidity
2002 TMDL listing (Y/N) Y Which pollutants Turbidity, stays on list for Mercury and DO
Additional Comments _____

HUC NHD event Seg Miles Reach Name Reach Description
07020012 507 020 12.8 Minnesota R Cherry Cr to Le Sueur Cr
Aquatic life—preliminary assessment NA Final assessment NA Based on _____
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 _____
Swimming use—preliminary assessment NS-go to Step 2 Final assessment PS
1998 TMDL listing (Y/N) N Which pollutants _____

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

HUC NHD event Seg Miles Reach Name Reach Description
07020012 510 NA 9.53 Bluff Cr Headwaters to Minnesota R
Aquatic life—preliminary assessment NS Final assessment NS Based on **Turbidity**
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 _____
Swimming use—preliminary assessment NA Final assessment NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants Turbidity
Additional Comments: **Cathy's data set confirmed.** _____

HUC NHD event Seg Miles Reach Name Reach Description
07020012 511 NA 4.76 Riley Cr Riley Lk to Minnesota R
Aquatic life—preliminary assessment PS Final assessment PS Based on **Turbidity**
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 _____
Swimming use—preliminary assessment NA Final assessment NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants Turbidity
Additional Comments _____

HUC NHD event Seg Miles Reach Name Reach Description
07020012 512 E01 5.93 Chaska Cr Headwaters to Minnesota R
Aquatic life—preliminary assessment NA Final assessment NA Based on _____
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 _____
Swimming use—preliminary assessment NS-go to Step 2 Final assessment NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____

Additional Comments _____

HUC NHD event Seg Miles Reach Name Reach Description
07020012 513 022 13.2 Sand Cr Porter Cr to Minnesota R
Aquatic life—preliminary assessment NS Final assessment NS Based on **Turbidity**
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 _____
Swimming use—preliminary assessment NA Final assessment NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants Turbidity
Additional Comments: **Fish data suggests it's highly impaired; Louise checked numbers with Terrie – numbers are OK. MCES analysis *says 45% exceedance, confirming non-support.** _____
*** MCES analysis gives different weights to event and grab samples.** _____

HUC NHD event Seg Miles Reach Name Reach Description
07020012 514 005 3.54 Bevens Cr Silver Cr to Minnesota R
Aquatic life—preliminary assessment NS Final assessment NS Based on **Turbidity**
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 _____
Swimming use—preliminary assessment NS Final assessment PS
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants Turbidity, Fecal coliform
Additional Comments : **MCES analysis * says 35% exceedance, confirming non-support**

HUC NHD event Seg Miles Reach Name Reach Description
07020012 515 006 21.71 Bevens Cr Headwaters to Silver Cr
Aquatic life—preliminary assessment NS Final assessment NS Based on **Turbidity, chloride**
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 _____
Swimming use—preliminary assessment NS-got to Step 2 Final assessment NS
1998 TMDL listing (Y/N) N Which pollutants _____

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

Additional Comments: Chloride maximum in Nov. & Dec. 1999 possible spill that no one knew, i.e., possible sand or salt at roadside.

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
07020012	516	002	29.02	Carver Cr	Headwaters to Minnesota R

Aquatic life—preliminary assessment NS Final assessment NS Based on **turbidity**
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 _____
Swimming use—preliminary assessment NS-go to Step 2 Final assessment PS
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants Turbidity, Fecal coliform
Additional Comments _____

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
07020012	517	C01	22.2	Credit R	Headwaters to Minnesota R

Aquatic life—preliminary assessment NS Final assessment NS Based on **Turbidity**
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 _____
Swimming use—preliminary assessment NA Final assessment NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants Turbidity
Additional Comments: MCES analysis * says results in 28% exceedance, confirming non-support.
* MCES analysis gives different weights to event and grab samples.

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
07020012	518	701	14.26	Ninemile Cr	Headwaters to Minnesota R

Aquatic life—preliminary assessment NS Final assessment NS Based on **Turbidity**
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 _____
Swimming use—preliminary assessment NA Final assessment NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants Turbidity

Additional Comments: **MCES analysis * results in 32% exceedances, confirming non-support.** _____

HUC NHD event Seg Miles Reach Name Reach Description
07020012 519 D01 1.74 Eagle Cr Headwaters to Minnesota R
Aquatic life—preliminary assessment PS Final assessment NA Based on _____
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 _____
Swimming use—preliminary assessment NA Final assessment NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
Additional Comments: **Trout stream; water quality standard is 10 (as opposed to 25).** _____
There are not enough independent observations to make an assessment, since there was more than one observation for the same event.

HUC NHD event Seg Miles Reach Name Reach Description
07020012 521 014 8.07 Rush R South Br Rush R to Minnesota R
Aquatic life—preliminary assessment NA Final assessment NA Based on _____
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 _____
Swimming use—preliminary assessment NS-go to Step 2 Final assessment PS
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants Fecal coliform
Additional Comments _____

HUC NHD event Seg Miles Reach Name Reach Description
07020012 523 007 12.95 Silver Cr Headwaters to Bevans Cr
Aquatic life—preliminary assessment NA Final assessment NA Based on _____
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 _____
Swimming use—preliminary assessment NS-go to Step 2 Final assessment Step 2 PS

1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants Fecal coliform _____
Additional Comments _____

HUC NHD event Seg Miles Reach Name Reach Description
07020012 529 009 28.91 High Island Cr Headwaters to Minnesota R
Aquatic life—preliminary assessment NA Final assessment NA Based on _____
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 **There is 2000 CWP data; Laurie & Pat follow up on 2000 data; not enough data for aquatic life assessment.**
Swimming use—preliminary assessment NS-go to Step 2 Final assessment PS _____
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants Fecal coliform _____
Additional Comments: **Note CAR4 not on the reach.** _____

HUC NHD event Seg Miles Reach Name Reach Description
07020012 531 NA 7.12 Willow Cr Crystal Lk to Minnesota R
Aquatic life—preliminary assessment FS Final assessment NA Based on _____
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 _____
Swimming use—preliminary assessment NA Final assessment NA _____
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) N Which pollutants _____
Additional Comments: **Monitoring station is not representative of surface water stream quality; CAR2 is not on this reach. It should be on reach 528.** _____
