

Professional judgement group transparency form for assessed streams –Red River Basin 4-25-02

HUC NHD event Seg Miles Reach Name Reach Description
09020101 501 001 15.3 Bois De Sioux R Rabbit R to Otter Tail R
Aquatic life—preliminary assessment NS Final assessment NS Based on Biology, DO
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of 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 DO
2002 TMDL listing (Y/N) Y Which pollutants Biology, low DO
Additional Comments _____

HUC NHD event Seg Miles Reach Name Reach Description
09020101 502 114 22.24 Rabbit R Wilkin City Line to Bois De Sioux R
Aquatic life—preliminary assessment NS Final assessment NS 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) Y Which pollutants NH3, Turbidity
2002 TMDL listing (Y/N) Y Which pollutants Biology (New) Keep on list for NH3, turbidity_
Additional Comments _____

HUC NHD event Seg Miles Reach Name Reach Description
09020102 501 003 16.39 W Br Mustinka R Twelvemile Cr to Mustinka R
Aquatic life—preliminary assessment NS Final assessment NS 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 _____

HUC NHD event Seg Miles Reach Name Reach Description
09020103 501 014 39.05 Otter Tail R Headwaters to Pine Lk
Aquatic life—preliminary assessment FS Final assessment FS
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed Perham WWTP upgraded - but is downstream of these sites
G. Additional data _____
Swimming use—preliminary assessment NA Final assessment NA
1998 TMDL listing (Y/N) Y Which pollutants DO
2002 TMDL listing (Y/N) N Which pollutants _____
Additional Comments TMDL in process - can be considered for delisting for DO. Flows need to be taken into account.

HUC NHD event Seg Miles Reach Name Reach Description
09020103 502 101 7.96 Otter Tail R Breckenridge Lk to Bois de Sioux 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 PS—go to STEP 2 Final assessment PS
1998 TMDL listing (Y/N) Y Which pollutants Fecal, Turbidity
2002 TMDL listing (Y/N) Y Which pollutants turbidity, fecal coliform
Additional Comments _____

HUC NHD event Seg Miles Reach Name Reach Description
09020103 503 701 2.5 Otter Tail R Pelican R to Dayton Hollow Reservoir
Aquatic life—preliminary assessment FS Final assessment FS
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of 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) Y Which pollutants Turbidity
2002 TMDL listing (Y/N) Y Which pollutants Keep turbidity until delisting decision made
Additional Comments Consider delisting for Turbidity

HUC NHD event Seg Miles Reach Name Reach Description
09020103 506 301 7.51 Otter Tail R Orwell dam to JD #2
Aquatic life—preliminary assessment NS 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 Segment 301 split at JD # 2 FS based on chemistry at USGS site

HUC NHD event Seg Miles Reach Name Reach Description
09020103 504 301 19.04 Otter Tail R JD #2 to Breckenridge Lk
Aquatic life—preliminary assessment NS 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 More farming downstream of JD #2
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 Segment 301, split at JD #2 PS based on biology

HUC NHD event Seg Miles Reach Name Reach Description
09020104 502 102 21.51 Red R Fargo/Moorhead dam A to Sheyenne R (ND)
Aquatic life—preliminary assessment NS Final assessment NS Based on NH3
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of 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
2002 TMDL listing (Y/N) Y Which pollutants Unionized ammonia, fecal coliform
Additional Comments TMDL listed also for North Dakota. Swimming went from NS to PS because of loss of data. Metals monitoring does not use clean techniques, but is generally not contaminated. However, be wary of zinc values.

HUC NHD event Seg Miles Reach Name Reach Description
09020104 503 105 24.99 Red R Breckenridge dam to Whiskey Cr
Aquatic life—preliminary assessment FS 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 FS
1998 TMDL listing (Y/N) Y Which pollutants Turbidity
2002 TMDL listing (Y/N) Y Which pollutants Turbidity
Additional Comments Mike Ell considers it to be reference site. North Dakota says PS for fecal coliform.

HUC NHD event Seg Miles Reach Name Reach Description
09020104 504 202 5.04 Red R Fargo/Moorhead dam 1 to dam A
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 PS
1998 TMDL listing (Y/N) Y Which pollutants Turbidity, fecal coliform
2002 TMDL listing (Y/N) Y Which pollutants Turbidity, fecal coliform
Additional Comments _____

HUC NHD event Seg Miles Reach Name Reach Description
09020104 505 104 39.66 Red R Whiskey Cr to Comstock dam 3
Aquatic life—preliminary assessment FS Final assessment NA
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of 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 Not enough parameters

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
09020104	506	205	2.35	Red R	Otter Tail to Breckenridge dam
Aquatic life—preliminary assessment <u>FS</u> Final assessment <u>NA</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>Not enough parameters</u>					

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
09020104	508	402	9.89	Red R	Wild Rice R (ND) to Dam 2
Aquatic life—preliminary assessment <u>FS</u> Final assessment <u>NA</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 <u>Known to be as turbid as the upstream and downstream segments.</u>					
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 _____					

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
09020106	501	001	45.08	Buffalo R	South Br Buffalo R to Red R
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>NS—go to Step 2</u> Final assessment <u>NA</u>					
1998 TMDL listing (Y/N) <u>Y</u> Which pollutants <u>Turbidity</u>					

2002 TMDL listing (Y/N) N Which pollutants _____
Additional Comments For aquatic life, biology overrides Chemistry

HUC NHD event Seg Miles Reach Name Reach Description
09020106 502 108 12.83 Stony Cr Hay Cr to South Br Buffalo 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) Y Which pollutants Turbidity
2002 TMDL listing (Y/N) Y Which pollutants Turbidity
Additional Comments _____

HUC NHD event Seg Miles Reach Name Reach Description
09020106 503 002 16.28 S Br Buffalo R Stony Cr to Buffalo R
Aquatic life—preliminary assessment FS Final assessment FS
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of 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 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
09020106 504 003 10.4 S Br Buffalo R Whiskey Cr to Stony Cr
Aquatic life—preliminary assessment FS Final assessment FS
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of 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 _____

HUC NHD event Seg Miles Reach Name Reach Description
09020106 505 004 16.58 S Br Buffalo R Deerhorn Cr to Whiskey Cr
Aquatic life—preliminary assessment NS Final assessment NS 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 Downstream of bad biology, need more monitoring. Very few fish and very few species.

HUC NHD event Seg Miles Reach Name Reach Description
09020106 506 009 69.49 Buffalo R Headwaters to South Br Buffalo R
Aquatic life—preliminary assessment FS Final assessment FS
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of 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 Degradation is downstream of Buffalo River State Park.
 For aquatic life, biology overrides chemistry.

HUC NHD event Seg Miles Reach Name Reach Description
09020107 501 009 22.78 Red R Buffalo R to Elm R (ND)
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, Turbidity
2002 TMDL listing (Y/N) Y Which pollutants Turbidity, fecal coliform
Additional Comments _____

HUC NHD event Seg Miles Reach Name Reach Description
09020107 502 002 29.39 Red R Wild Rice R to Goose R (ND)
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 FS Final assessment FS
1998 TMDL listing (Y/N) Y Which pollutants Turbidity
2002 TMDL listing (Y/N) Y Which pollutants Turbidity
Additional Comments _____

HUC NHD event Seg Miles Reach Name Reach Description
09020107 503 010 49.54 Marsh R Headwaters to Red R
Aquatic life—preliminary assessment FS 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 - Some USGS chemistry data - Sept. 2000 turbidity problems, other chemistry good

HUC NHD event Seg Miles Reach Name Reach Description
09020108 501 001 30.58 Wild Rice R South Br Wild Rice R to Red R
Aquatic life—preliminary assessment FS Final assessment FS
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of 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 _____

HUC NHD event Seg Miles Reach Name Reach Description
09020108 502 002 56.42 South Br Wild Rice R Otto Lk to Wild Rice R
Aquatic life—preliminary assessment FS Final assessment FS
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of 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 _____

HUC NHD event Seg Miles Reach Name Reach Description
09020108 503 003 42.41 Wild Rice R Marsh Cr to South Br Wild Rice R
Aquatic life—preliminary assessment FS Final assessment FS
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of 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 _____

HUC NHD event Seg Miles Reach Name Reach Description
09020108 504 004 26.61 Wild Rice R White Earth R to Marsh Cr
Aquatic life—preliminary assessment FS Final assessment NA
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of 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 IBI for RRV site in NCHF, so won't use the data

HUC NHD event Seg Miles Reach Name Reach Description
09020108 505 005 24.37 White Earth R White Earth Lk to Wild Rice 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 None
Additional Comments IBI not for this ecoregion

HUC NHD event Seg Miles Reach Name Reach Description
09020108 506 006 25.3 Wild Rice R Twin Lake Cr to White Earth R
Aquatic life—preliminary assessment FS Final assessment NA
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of 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 IBI used was developed for RRV. This site is in NCHF.

HUC NHD event Seg Miles Reach Name Reach Description
09020108 507 014 15.1 Wild Rice R Upper Rice Lk to Lower Rice Lk
Aquatic life—preliminary assessment FS Final assessment NA
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of 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 IBI ecoregion
discrepancy _____

HUC NHD event Seg Miles Reach Name Reach Description
09020108 508 015 40.79 Marsh Ck Blair Lk to Wild Rice 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 IBI Ecoregion Discrepancy _____

HUC NHD event Seg Miles Reach Name Reach Description
09020301 501 004 8.01 Red R Wilson Cr (ND) to Red Lake 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 Turbidity _____
2002 TMDL listing (Y/N) Y Which pollutants Turbidity _____
Additional Comments _____

HUC NHD event Seg Miles Reach Name Reach Description
09020301 502 008 20.39 Red R Buffalo Coulee to Wilson Cr (ND)
Aquatic life—preliminary assessment NS Final assessment FS Based on _____
Factors used, please describe
A. Timing of exceedances Only NH3 exceedance is in 1992 _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____
E. Combination of narrative and numeric standards _____
F. Known point and nonpoint influences in the watershed _____

G. Additional data Metals each only have one exceedance
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 North Dakota assesses this reach as fully supporting. Arsenic shows no exceedances of aquatic life standard.

HUC NHD event Seg Miles Reach Name Reach Description
09020301 504 203 2.14 Red R Red Lk R to Grand Forks dam
Aquatic life—preliminary assessment FS Final assessment NA
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
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 be as turbid as upstream and downstream, but no turbidity data
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 Note no ammonia violations, possibly due to positive impact of Red Lake R (dilution)

HUC NHD event Seg Miles Reach Name Reach Description
09020303 501 003 30.52 Red Lake R Burnham Cr to Unnamed Cr
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 FS Final assessment FS
1998 TMDL listing (Y/N) Y Which pollutants Turbidity
2002 TMDL listing (Y/N) Y Which pollutants Turbidity
Additional Comments _____

HUC NHD event Seg Miles Reach Name Reach Description
09020303 503 001 1.88 Red Lake R Unnamed Cr to Red 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) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants Turbidity
Additional Comments _____

HUC NHD event Seg Miles Reach Name Reach Description
09020303 506 107 20.54 Red Lake R Crookston dam to Burnham Cr
Aquatic life—preliminary assessment FS Final assessment FS
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of 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
09020303 507 017 33.94 Black R Headwaters to Red Lake 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 _____

HUC NHD event Seg Miles Reach Name Reach Description
09020305 501 001 7.19 Clearwater R Lower Badger Cr to Red Lk 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 **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
09020305 502 002 11.9 Badger Cr CD 14 to Clearwater R

Aquatic life—preliminary assessment **FS** Final assessment **FS** _____
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of 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 _____

HUC NHD event Seg Miles Reach Name Reach Description
09020305 504 009 10.33 Poplar R Hwy 59 to Lost R

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 **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 **Mike V. talked to Ryan Odenbach - Red Lake Watershed. Ryan suggested splitting Seg 009 at Hwy 59, where it crosses the Poplar River. There is no confluence near where the DO changes. Site 023 on the upstream segment (NHD event 518) had more DO violations than 017 on the downstream segment (NHD event 504) . Large elevation drop - causes increase in DO at downstream site. Biology sites showing good biology are on the downstream segment** _____

HUC NHD event Seg Miles Reach Name Reach Description
09020305 518 009 34.82 Poplar R Spring Lk to Hwy 59

Aquatic life—preliminary assessment **FS** Final assessment **NS** Based on **low DO** _____
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions _____

E. Combination of narrative and numeric standards _____
 F. Known point and nonpoint influences in the watershed partially ground water driven - Low DO
 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) Y Which pollutants Low DO _____
 Additional Comments See above. Site 023 on the upstream segment (NHD event 518) had more DO violations than 017 on the downstream segment (NHD event 504) .

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
09020305	505	010	2.43	Lost R	Hill R to Poplar R

Aquatic life—preliminary assessment FS Final assessment FS _____
 Factors used, please describe
 A. Timing of exceedances _____
 B. Magnitude of exceedances _____
 C. Seasonality of 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
09020305	506	011	53.79	Hill R	Headwaters to Lost R

Aquatic life—preliminary assessment FS Final assessment FS _____
 Factors used, please describe
 A. Timing of exceedances _____
 B. Magnitude of exceedances _____
 C. Seasonality of 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
09020305	507	112	40.1	Lost R	Silver Cr to Hill 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 Monitoring site is right in Oklee

G. Additional data _____

Swimming use—preliminary assessment NS—go to Step 2 Final Assessment NS

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

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

Additional Comments **Recent USGS data shows OK DO. Check with Carol about treatment plant and check when upgrade done. Jim Courneyea says upgrade about 10 years ago. Biology overrides chemistry.**

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
09020305	508	NA	0.37	CD 57	Unnamed Ditch to Clearwater R

Aquatic life—preliminary assessment PS Final assessment PS Based on **Low DO**

Factors used, please describe

A. Timing of exceedances _____

B. Magnitude of exceedances _____

C. Seasonality of 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) Y Which pollutants Low DO

Additional Comments This data is from CWP project.

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
09020305	509	NA	4.82	Walker Bk	Walker Bk Lk to Clearwater R

Aquatic life—preliminary assessment NS Final assessment NS Based on **Low DO**

Factors used, please describe

A. Timing of exceedances _____

B. Magnitude of exceedances _____

C. Seasonality of 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 NA

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

2002 TMDL listing (Y/N) Y Which pollutants Low DO

Additional Comments _____

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
09020305	510	013	58	Clearwater R	Ruffy Bk to Lost R

Aquatic life—preliminary assessment PS Final assessment PS Based on **Low DO**

Factors used, please describe

A. Timing of exceedances _____

B. Magnitude of exceedances _____

C. Seasonality of 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 **NS** _____
1998 TMDL listing (Y/N) **N** Which pollutants _____
2002 TMDL listing (Y/N) **N** Which pollutants **Low DO, fecal coliform** _____
Additional Comments _____

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
09020305	511	007	13.26	Clearwater R	Lost R to Badger Cr

Aquatic life—preliminary assessment **FS** Final assessment **FS** _____
Factors used, please describe _____
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of 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 **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
09020305	512	212	8.47	Lost R	Pine Lk to Anderson Lk

Aquatic life—preliminary assessment **FS** Final assessment **FS** _____
Factors used, please describe _____
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of 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
09020305	513	014	20.95	Ruffy Bk	Headwaters to Clearwater R

Aquatic life—preliminary assessment **FS** Final assessment **FS** _____
Factors used, please describe _____
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of 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
09020305	514	015	16.83	Clearwater R	Clearwater Lk to Ruffy Bk

Aquatic life—preliminary assessment **FS** Final assessment **FS** _____
 Factors used, please describe
 A. Timing of exceedances _____
 B. Magnitude of exceedances _____
 C. Seasonality of 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
09020305	516	015	18	Clearwater R	Trout stream portion

Aquatic life—preliminary assessment **FS** Final assessment **FS** _____
 Factors used, please describe
 A. Timing of exceedances _____
 B. Magnitude of exceedances _____
 C. Seasonality of 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
09020305	517	015	29.49	Clearwater R	Headwaters to trout stream portion

Aquatic life—preliminary assessment **NS** Final assessment **NS** Based on **Low DO**
 Factors used, please describe
 A. Timing of exceedances **Fairly old data** _____
 B. Magnitude of exceedances _____
 C. Seasonality of exceedances _____
 D. Naturally **occurring** conditions **DO, ground water discharge to wetland** _____
 E. Combination of narrative and numeric standards _____

F. Known point and nonpoint influences in the watershed Heavily influenced by ground water, leads to low DO.

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 Mike talked with Jim Courneya where is outfall? Bagley outfall moved 4 years ago. Now goes to wetland system, then to tributary, then to clearwater. It was directly to discharger.

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
09020306	501	004	41.97	Red R	Grand Marais Cr to North Marais R (ND)

Aquatic life—preliminary assessment FS Final assessment NA

Factors used, please describe

A. Timing of exceedances _____

B. Magnitude of exceedances _____

C. Seasonality of exceedances _____

D. Naturally occurring conditions _____

E. Combination of narrative and numeric standards _____

F. Known point and nonpoint influences in the watershed Turbidity known problem - no data

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 Not enough parameters

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
09020309	501	001	9.11	Snake R	Middle R to Red R

Aquatic life—preliminary assessment NS Final assessment NS Based on **Low DO, 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 FS Final Assessment FS

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

2002 TMDL listing (Y/N) Y Which pollutants Low DO, turbidity

Additional Comments _____

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
09020309	503	003	15.37	Snake R	CD 7 to CD 3

Aquatic life—preliminary assessment NS Final assessment NS 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 _____

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
09020309	504	007	21.56	Snake R	South Br Snake R to CD 7

Aquatic life—preliminary assessment NS Final assessment NS 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 _____

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
09020309	505	011	88.93	Middle R	Headwaters to Snake 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 _____

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
09020309	506	009	29.16	Snake R	Headwaters to Snake R South Br

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 _____

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
09020311	501	002	2.82	Red R	Pembina R (ND) to Canadian Border

Aquatic life—preliminary assessment FS Final assessment FS _____
 Factors used, please describe
 A. Timing of exceedances _____
 B. Magnitude of exceedances _____
 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 be turbid, but no recent data _____
 G. Additional data _____
 Swimming use—preliminary assessment FS Final Assessment FS _____
 1998 TMDL listing (Y/N) Y Which pollutants Turbidity _____
 2002 TMDL listing (Y/N) Y Which pollutants Turbidity (keep on the list until new data shows it is OK) _____
 Additional Comments North Dakota says threatened for aquatic life based on toxics, fully supporting for swimming. This segment includes both USGS site 05102490 and ND site 38005. Arsenic shows no exceedances of aquatic life standard. _____

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
09020311	502	205	16.51	Red R	Tamarac R to Drayton dam

Aquatic life—preliminary assessment FS Final assessment NA _____
 Factors used, please describe
 A. Timing of exceedances _____
 B. Magnitude of exceedances _____
 C. Seasonality of 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 Not enough parameters _____

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
09020311	503	207	33.19	Tamarac R	Reservoir S of Florian to Stephen dam

Aquatic life—preliminary assessment NS Final assessment NS 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 Probably due to habitat _____

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
09020311	504	003	17.52	Red R	Two R to Pembina R (ND)

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 ND site 38005 was originally believed to be on this NHD event, it is actually on event 501, assessment for 504 is based on 3 IBI values from USGS NAWQA study _____

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
09020312	501	003	20.59	Two Rivers	Middle Br Two R to North Br Two R

Aquatic life—preliminary assessment FS Final assessment FS _____
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of 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 _____

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
09020312	502	204	39.89	Two R, South Br	Two R to Lk Bronson

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 _____

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
09020312	503	005	26.78	Middle Br Two Rivers	Headwaters to South Br Two R
Aquatic life—preliminary assessment <u>NS</u> Final assessment <u>NS</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>Y</u> Which pollutants Biology _____					
Additional Comments _____					

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
09020312	504	007	36.31	North Br Two Rivers	Headwaters to Little Joe R
Aquatic life—preliminary assessment <u>PS</u> Final assessment <u>PS</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>Y</u> Which pollutants Biology _____					
Additional Comments _____					

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
09020312	506	504	24.89	Two R, South Br	Unnamed Ditch to Lateral Ditch #2
Aquatic life—preliminary assessment <u>NS</u> Final assessment <u>NS</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 NA Final Assessment NA
1998 TMDL listing (Y/N) N Which pollutants _____
2002 TMDL listing (Y/N) Y Which pollutants Biology _____
Additional Comments _____

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
09020314	501	002	49.53	Roseau R	Hay Cr to Canada Border

Aquatic life—preliminary assessment PS Final assessment PS Based on **low DO**
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of exceedances _____
D. Naturally occurring conditions Possibly partially _____
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 NA
1998 TMDL listing (Y/N) Y Which pollutants DO _____
2002 TMDL listing (Y/N) Y Which pollutants low DO _____
Additional Comments IBI for RRV Site in NMW - don't use biology data. Only 8 fecal coliform observations _____

HUC	NHD event	Seg	Miles	Reach Name	Reach Description
09020314	503	004	44.9	South Fk Roseau R	Headwaters to Roseau R

Aquatic life—preliminary assessment FS Final assessment NA
Factors used, please describe
A. Timing of exceedances _____
B. Magnitude of exceedances _____
C. Seasonality of 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 IBI for RRV Site in NMW _____
