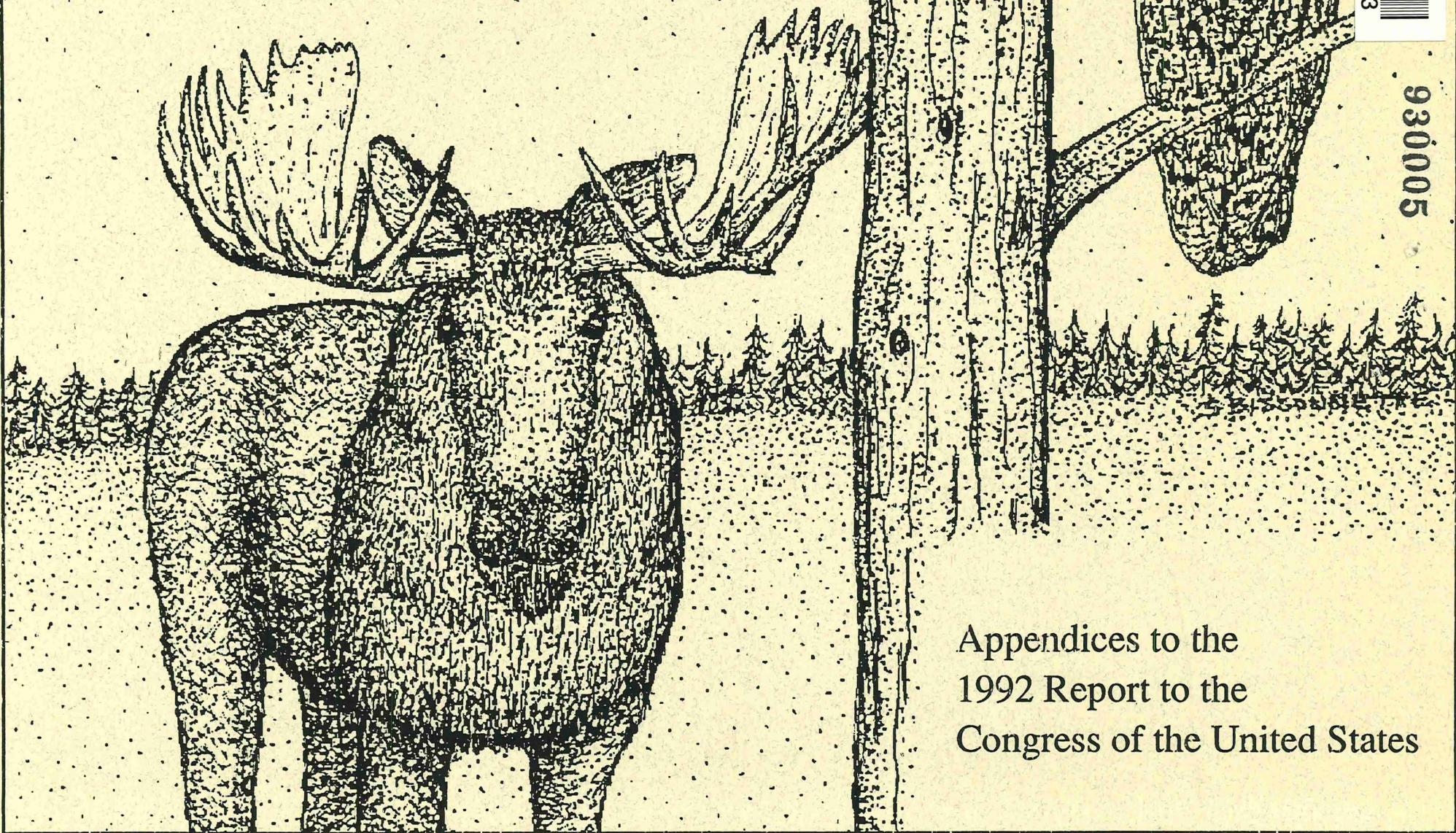


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Minnesota Water Quality

Water Years 1990 - 1991

 Minnesota Pollution Control Agency



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Appendices to the
1992 Report to the
Congress of the United States

The following list of appendices is included to aid the reader in cases where the text refers to an appendix number. However, none of these appendices are included in this published report. All the appendices are available by requesting the 1992 305(b) Report Appendices from:

The Minnesota Pollution Control Agency, Division of Water Quality, Assessment and Planning Section
520 Lafayette Road
St. Paul, MN 55155

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NOTES ON THE TABLE:

This table includes waterbody information based on monitoring data for streams, fish tissue data for lakes and streams, lake assessments, and data that may reflect nonpoint source pollution for streams. It also lists waterbodies for which use support assessments have not been made but which are included on the 304(l) medium list due to being receiving waters for certain types of dischargers. These discharger types are those which chlorinate but do not dechlorinate or those for whom effluent toxicity test results indicate a possible problem.

This table of all assessed waterbodies is organized by hydrologic unit code (HUC) and segment number (SEG) using the Environmental Protection Agency (EPA) reach system. For each group of waterbodies the name of the major watershed name and corresponding HUC is given. In some cases the SEG has been modified by the Minnesota Pollution Control Agency (MPCA) to accommodate tributaries or hydrologically important subdivisions of an EPA reach. For lakes, a lake identification number (from the Minnesota Department of Natural Resources system used extensively by the MPCA) is also included. The first two digits of the lake identification number are the county code. The last four digits are the lake number within the county. Usually, all the information for a specific lake or stream segment is listed on one line. However, for some waterbodies, there will be more than one line.

What follows is a detailed definition of terms used in this table. Use Support Assessments are listed for one or more of the individual beneficial uses: aquatic life support, fish consumption support, and swimming support. Support for all uses (ASUALL) on this table indicates support for all assessed uses, not necessarily all designated uses.

DEFINITION OF TERMS IN THE TABLE:**A. Size**

River miles represent stream segment length

Lake acres represent lake surface area

B. Ecoregion

(Aquatic Ecoregions developed by the EPA Corvallis Environmental Research Laboratory)

DA = Driftless Area

NCHF = North Central Hardwood Forests

NGP = Northern Glaciated Plains

NLF = Northern Lakes and Forests

NMW = Northern Minnesota Wetlands

RRV = Red River Valley

WCBP = Western Corn Belt Plains

C. Monitored/Evaluated

Evaluated waters are those waterbodies for which the assessment is based on information other than current site-specific ambient data, such as data on land use, location of sources, predictive modeling using estimated input variables, surveys of resource management personnel, citizen complaints, and ambient water quality data that is not considered to be "current." Monitored waters are those waterbodies for which the assessment is based on current site-specific ambient data. If both monitored and evaluated data are used, the value in ME column is set equal to M.

D. Use Support Status

Use support status is determined for aquatic life, fish consumption, swimmable use, and for all designated uses. The procedures for determining use support status are described in the Methodology discussion in Part III, Chapter One, Summary Data.

E. 303(d) Status

A waterbody is identified under 303(d) if the MPCA has determined that total maximum daily loads are required by Section 303(d) of the Clean Water Act. These are waterbodies where existing requirements are not adequate to maintain water quality standards.

F. 304(l) List Status

A waterbody is on the long list if any one of the following is true:

1. Greater than 10 percent of data values violate ambient water quality standards.
2. A fish consumption advisory is in effect.
3. Ambient data shows that water quality is lower than estimated to be attainable in the ecoregion.
4. For lakes, Carlson's Trophic Status Index values indicate nonsupport of swimmable use.
5. It is a receiving water for a discharger that chlorinates but does not dechlorinate or where effluent toxicity test results indicate possible problems.

A waterbody is on the medium list if any of the following is true:

1. Greater than 10 percent of data values violate ambient water standards for unionized ammonia as nitrogen.
2. A fish consumption advisory is in effect.
3. It is a receiving water for a discharger that chlorinates but does not dechlorinate or where effluent toxicity test results indicate possible problems.

A waterbody is on the 304(l) short list if it is on the medium list for a problem that is traceable to a specific discharger and the discharge has been demonstrated to be significant.

G. Potential Nonpoint Source Pollution (NPI)

NPI = Y = water quality less than achievable for the ecoregion.

NPI is based on a comparison of values for total phosphorus, nitrate/nitrite, total suspended solids and biochemical oxygen demand with an estimate of achievable values for these parameters for the waters of the respective ecoregion.

H. Pollution Kinds**1. Fish Advisory (FI)**

FI = A = Advisory

FI is based on fish consumption limitations advised in the Minnesota Department of Health's Fish Consumption Advisory issued in May 1992. A description of how the advisory was determined is given in Part III, Chapter Six, Public Health/Aquatic Life Concerns.

2. Trophic Status (TR)

TR is based on Carlson's Trophic Status Index (TSI) which is developed from the interrelationships of transparency measurements and concentrations of chlorophyll-a and total phosphorus (for more description of the index see Part III, Chapter Three, Lake Water Quality Assessment).

TSI ranges for each trophic state are:

TR = O = Oligotrophic	TSI < 40
TR = M = Mesotrophic	40 < TSI < 50
TR = E = Eutrophic	51 < TSI < 65
TR = H = Hypereutrophic	TSI > 65

3. Fecal Coliform (FC)

FC = F = significant level of fecal violations

FC is based on greater than 10 percent of observations violating ambient water quality standards for fecal coliform bacteria.

4. Dissolved Oxygen (DO)

DO = O = significant level of dissolved oxygen violations

DO is based on greater than 10 percent of observations violating ambient water quality standards for dissolved oxygen.

H. Pollution Kinds (continued)**5. Unionized Ammonia as Nitrogen (AN)**

AN = N = significant level of unionized ammonia violations

AN is based on greater than 10 percent of observations violating ambient water quality standards for unionized ammonia as nitrogen.

6. pH (pH)

pH = A = significant level of pH violations

Based on greater than 10 percent of observations violating ambient water quality standards for low pH (acidic).

pH = B = significant level of pH violations

Based on greater than 10 percent of observations violating ambient water quality standards for high pH (basic).

7. Other Causes

Number codes used are consistent with EPA's waterbody system, (WBS) except that 21 is used for "other" causes. EPA codes are listed on page B-19 of the Waterbody System User's Guide, November 1991.

For each code designation these parameters are used to determine cause:

PTX = 3 - priority toxics	dioxin, PCBs
MET = 5 - metals	mercury, arsenic, cadmium chromium, copper, lead, nickel, selenium, zinc
CL2 = 7 - chlorine	waterbody is receiving water for discharger which chlorinates but does not dechlorinate
NUT = 9 - nutrients	nitrate/nitrite or total phosphorus values that are higher than expected for ecoregion

BOD = 12 - organic
enrichment,
dissolved oxygen

biochemical oxygen demand
values higher than expected for
ecoregion

OTX = 21 - other causes

total suspended solids, turbidity, or
conductivity or if effluent toxicity
test results indicate possible
problems

I. Sources**1. Municipal "M" if one of the following:**

- Waterbody is a lake that is or has been a receiving water for a municipal discharger.
- Reach is a receiving water for a municipal discharger for which effluent toxicity test results indicate a possible problem.
- Reach is a receiving water for a municipal discharger that chlorinates but does not dechlorinate.

2. Industrial "I" if the following:

- Reach is a receiving water for a industrial discharger for which effluent toxicity test results indicate a possible problem.

3. NPDES permit number of facility on reach if one of the following:

- Reach is a receiving water for a discharger for which effluent toxicity test results indicate a possible problem.
- Reach is a receiving water for a discharger that chlorinates but does not dechlorinate.
- Special studies have identified an industrial discharger as a detrimental impact on reach.

SIZE LAKE ACRES OR RIVER MILES

ECOR NLF =NORTHERN LAKES AND FORESTS NGP =NORTHERN GLACIATED PLAINS WCBP =WESTERN CORN BELT PLAINS
DA =DRIFTLSS AREA NMW =NORTHERN MINNESOTA WETLANDS
NCHF =NORTH CENTRAL HARDWOOD FORESTS RRV =RED RIVER VALLEY

ME M=MONITORED (IF BOTH MONITORED AND EVALUATED DATA IS USED,
E=EVALUATED THIS VALUE IS SET=M)

SUPPORT CLASS FS =FULLY SUPPORTING ST = SUPPORTING BUT THREATENED PS =PARTIALLY SUPPORTING NS =NOT SUPPORTING

DESIGNATED USES SW =SWIMMABLE USE FIC =FISH CONSUMPTION USE
ALL =ALL USES AOL =AQUATIC LIFE USE

303(D) STATUS

D = SECTION 303(D) WATERS, REQUIRE TOTAL MAXIMUM DAILY LOAD DEVELOPMENT

304(L) LIST STATUS

A304L = ON LONG LIST M = ON MEDIUM LIST S = ON SHORT LIST

POLLUTION KINDS

NPI =POTENTIAL NONPOINT SOURCE POLLUTION	Y = WATER QUALITY LESS THAN ACHIEVABLE FOR THE ECOREGION BASED ON PARAMETER WHICH MAY REFLECT NONPOINT SOURCE POLLUTION
TR = TROPHIC STATUS	O = OLIGOTROPHIC M = MESOTROPHIC E = EUTROPHIC H = HYPEREUTROPHIC
FC = FECAL COLIFORM	F = SIGNIFICANT LEVEL OF VIOLATIONS
DO = DISSOLVED OXYGEN	D = SIGNIFICANT LEVEL OF VIOLATIONS
AN = UNIONIZED AMMONIA-AS N	N = SIGNIFICANT LEVEL OF VIOLATIONS
pH = pH	A = SIGNIFICANT LEVEL OF LOW VIOLATIONS, ACID
	B = SIGNIFICANT LEVEL OF HIGH VIOLATIONS, BASE
PTX	3 = PRIORITY TOXICS
MET	5 = METALS
NUT	9 = NUTRIENTS
BOD	12 = BOD
OTH	21 = OTHER CAUSES
CL	7 = FACILITY CHLORINATES AND DOES NOT DECHLORINATE

SOURCES

MU M = MUNICIPAL
IN I = INDUSTRIAL
NPDES = PERMIT NUMBER FOR FACILITY

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--- Assessments --- ---- Pollution Kinds ---- -- Sources --
--Support- 3 -304-

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A F A O N P M C N B O
Q I S L 3 P T F D A P T E L U O T M I

OBS	HUC	SEG	LAKEID	RCHNAME	SIZE	EQOR	E	L	C	W	L	d	L	M	S	I	R	C	O	N	H	X	T	2	T	D	X	U	N	NPDES
1	04010101		16-0023	ESTHER	76ac	NLF	M				FS	FS						M												
2	04010101		16-0027	MCFARLAND	384ac	NLF	M				FS	FS						O												
3	04010101		16-0029	DEVILFISH	398ac	NLF	E		PS		FS	PS		L	M			M						5						
4	04010101		16-0030	HIGHLANDER	29ac	NLF	E				FS	FS						M												
5	04010101		16-0033	CHESTER	49ac	NLF	M				FS	FS						M												
6	04010101		16-0035	JOHN	169ac	NLF	E				FS	FS						M												
7	04010101		16-0043	MOOSE	1030ac		M		PS		PS			L	M									3	5					
8	04010101		16-0049	TROUT	257ac	NLF	M		PS		FS	PS		L	M			O						3	5					
9	04010101		16-0086	WEST PIKE	3715ac	NLF	M		PS		FS	PS		L	M			O						5						
10	04010101		16-0096	ELBOW	437ac	NLF	E				FS	FS						O												
11	04010101		16-0114	ALDER	534ac	NLF	E				FS	FS						M												
12	04010101		16-0115	ROCKY	76ac	NLF	E				FS	FS						M												
13	04010101		16-0139	CLEARWATER	1325ac	NLF	M				FS	FS						O												
14	04010101		16-0141	CARIBOU	452ac	NLF	M				FS	FS						O												
15	04010101		16-0146	E. BEARSKIN	643ac	NLF	E		PS		FS	PS		L	M			M						5						
16	04010101		16-0147	FLOUR	319ac	NLF	E				FS	FS						M												
17	04010101		16-0150	DANIELS	489ac	NLF	M				FS	FS						O												
18	04010101		16-0164	BATH	30ac	NLF	E				FS	FS						M												
19	04010101		16-0170	LITTLE TROUT	123ac		M		PS		PS			L	M									5						
20	04010101		16-0182	BALL CLUB	188ac	NLF	M		ST		FS	ST						M												
21	04010101		16-0191	THRUSH	16ac	NLF	M		PS		FS	PS		L	M			O						5						
22	04010101		16-0192	THRASHER	27ac	NLF	E				FS	FS						M												
23	04010101		16-0193	MIT	80ac		M		PS		PS			L	M									5						
24	04010101		16-0198	LEO	1																									

				Assessments ---										Pollution Kinds ---										Sources ---									
				Support- 3 -304-																													
OBS	HUC	SEG	LAKEID	RCHNAME	SIZE	ECOR	M	Q	A	F	I	S	A	O	N	P	T	F	D	A	P	M	C	N	B	O	T	M	I	NPDES			
							E	L	C	W	L	d	L	M	S	I	R	C	O	N	H	X	T	2	T	D	X	U	N				
							Lake Superior (MN North)																										
52	04010101		16-0406	HOMER	516ac	NLF	E		PS	FS	PS				L	M		M															
53	04010101		16-0435	DAVIS	465ac	NLF	M		PS	FS	PS				L	M		M															
54	04010101		16-0456	NORTH TEMPERANCE	178ac	NLF	M			FS	FS							O															
55	04010101		16-0477	BURNT	327ac	NLF	E			FS	FS							M															
56	04010101		16-0486	BAKER	24ac	NLF	E			FS	FS							M															
57	04010101		16-0645	TOOHEY	406ac	NLF	M		PS	ST	PS				L	M		E															
58	04010101		16-0646	FINGER	193ac		E		PS		PS				L	M																	
59	04010101		16-0654	TIMBER	236ac	NLF	M		PS	FS	PS				L	M		M															
60	04010101		16-0805-01	ELBOW (MAIN BAY)	516ac		E		PS		PS				L	M																	
61	04010101		16-0806	FREAR	277ac		E		PS		PS				L	M																	
62	04010101		38-0024-01	CROOKED (EAST BAY)	183ac	NLF	M		PS	FS	PS				L	M		O															
63	04010101		38-0026	HARE 4 MI NW OF TA	48ac	NLF	E			FS	FS							M															
64	04010101		38-0028	ECHO 4.5 MI NW OF	46ac	NLF	E			FS	FS							O															
65	04010101		38-0029	GOLDENEYE	10ac	NLF	E			FS	FS							M															
66	04010101		38-0033	NINEMILE 4 MI NW	339ac	NLF	E			FS	FS							M															
67	04010101		38-0047	WILSON	622ac	NLF	M		PS	FS	PS				L	M		M															
68	04010101		38-0057	HOGBACK 5 MI E OF	44ac	NLF	E			FS	FS							M															
69	04010101		38-0058	SCARP 5.5 MI E OF																													

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--- Assessments --- ---- Pollution Kinds ---- -- Sources --

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--Support- 3 -304-

A F A O N P M C N B O
 M Q I S L 3 P T F D A P T E L U O T M I
 R E L C W L d L M S I R C O N H X T 2 T D X U N NPDES

OBS	HUC	SEG	LAKEID	RCHNAME	SIZE	ECOR	E	L	C	W	L	d	L	M	S	I	R	C	N	H	X	T	2	T	D	X	U	N	NPDES
----- 04010101 Lake Superior (MN North) -----																													
104	04010101	029	16-0391	MID CONE	73ac	NLF	M			FS	FS							M											
105	04010101	029	16-0393	LOWER CONE	67ac	NLF	M			FS	FS							M											
106	04010101	029	16-0398	WENCH	24ac	NLF	M		PS	FS	PS		L	M				M				5							
107	04010101	029	16-0402	JUNO	248ac	NLF	E			FS	FS							O											
108	04010101	029	16-0412	NORTH CONE	86ac	NLF	M		PS	FS	PS		L	M				O				5							
109	04010101	029	16-0446	CLIFF	87ac	NLF	M			FS	FS							M											
110	04010101	029	16-0457	SOUTH TEMPERANCE	204ac	NLF	M			FS	FS							M											
111	04010101	030		POPLAR R	7.4mi		M	FS		FS	FS						Y					9		21					
112	04010101	031		*A	6.4mi		M	FS		FS	FS																		
113	04010101	032	16-0252	PIKE	810ac	NLF	M		PS	FS	PS		L	M				O				5							
114	04010101	033		POPLAR R	10.1mi		M	FS		FS	FS																		
115	04010101	033	16-0365	CLARA	410ac	NLF	E			FS	FS							O											
116	04010101	033	16-0373	CHRISTINE	192ac	NLF	M		PS	FS	PS		L	M				M				5							
117	04010101	035	16-0453	RICE	182ac	NLF	E			FS	FS							M											
118	04010101	038	16-0388	BOUDER	136ac	NLF	E			FS	FS							M											
119	04010101	038	16-0454	CRESCENT	836ac	NLF	E		PS	ST	PS		L	M				E				5							
120	04010101	041	16-0496	SAWBILL	944ac	NLF	M		PS	FS	PS		L	M				M				5							
121	04010101	042	16-0622	ALTON	1034ac	NLF	M		PS	FS	PS		L	M				M				5							
122	04010101	046	16-0639	FOUR MILE	589ac		M		PS		PS		L	M								5							
123	04010101	047	38-0053	DAM FIVE	82ac	NLF	E			ST	ST							E											
124	04010101	050		BAPTISM R	7.7mi		M	FS		FS	FS						Y					9							
125	04010101	050	38-0242	JOHNSON	30ac	NLF	M			FS	FS							O											
126	04010101	052		BAPTISM R, W BR	12.3mi		M	FS		FS	FS																		
127	04010101	053	16-0031	LOFT	16ac		M		PS																				

					--- Assessments ---										----- Pollution Kinds -----										--- Sources ---				
					--Support- 3 -304-																								
OBS	HUC	SEG	LAKEID	RCHNAME	SIZE	ECOR	M	Q	I	S	A	O	N	P	T	F	D	A	P	T	E	L	U	B	O	T	M	I	NPDES
							E	L	C	W	L	d	L	M	S	I	R	C	N	H	X	T	2	T	D	X	U	N	
152	04010201		69-0414	MARKHAM	264ac	NLF	M				PS	PS																	
153	04010201		69-0493	LONG	208ac	NLF	E				FS	FS																	
154	04010201		69-0528	LITTLE LONG	19ac	NLF	E				FS	FS																	
155	04010201		69-0538	BERG	128ac	NLF	E				PS	PS																	
156	04010201		69-0542	WILSON	52ac	NLF	E				ST	ST																	
157	04010201		69-0544	DINHAM	210ac	NLF	E				ST	ST																	
158	04010201		69-0545	CAMERON	162ac	NLF	E				ST	ST																	
159	04010201		69-0546	SCHUBERT	218ac	NLF	M				FS	FS																	
160	04010201		69-0553	BASS	146ac	NLF	E				FS	FS																	
161	04010201		69-0562	COE	51ac	NLF	M			PS	ST	PS																	
162	04010201		69-0627	NICHOLS	41ac	NLF	M				ST	ST																	
163	04010201		69-0642	ELLIOT	398ac	NLF	E				ST	ST																	
164	04010201		69-0644	FIG	92ac	NLF	E				ST	ST																	
165	04010201		69-0646	MURPHY	395ac	NLF	M				ST	ST																	
166	04010201		69-0651	ST. MARY'S	216ac	NLF	M				FS	FS																	
167	04010201		69-0653	LONG	140ac	NLF	M				FS	FS																	
168	04010201		69-0700	MAPLE LEAF	90ac	NLF	M				FS	FS																	
169	04010201		69-0717	ELBOW	165ac	NLF	M			PS	NS	NS																	
170	04010201		69-0721	MAJESTIC	52ac	NLF	M				FS	FS																	
171	04010201		69-0763	DOHERTY (SPIRIT)	71ac	NLF	M				FS	FS																	
172	04010201		69-0775	MC QUADE	164ac	NLF	E				PS	PS																	
173	04010201		69-0840	SIX MILE	84ac	NLF	M			PS	PS	PS																	
174	04010201		69-0857-01	LONGYEAR (S. BAY)	70ac	NLF	M			PS	ST	PS																	
175	04010201		69-0857-02	LONGYEAR (N. BAY)	90ac	NLF	M			PS	NS	NS																	
176	04010201		69-0901	KELLY	21ac	NLF	M			PS	PS																		
177	04010201		69-1292	MESABI MT. PIT	33ac	NLF	M				FS	FS																	
178	04010201		69-1294	CANTON PIT	-ac	NLF	M				FS	FS																	
179	04010201		69-1303	FORSYTH	8ac	NLF	M			PS	PS																		
180	04010201	003		ST LOUIS R	6.0mi	NLF	M		NS	PS	NS	NS																	
181	04010201	006		ST LOUIS R	5.4mi	NLF	M			PS	PS																		
182	04010201	009		ST LOUIS R	10.1mi	NLF	M			PS	PS																		
183	04010201	010	09-0001	THOMSON RESERVOIR	384ac	NLF	M			PS	PS																		
184	04010201	012	69-0490	PIKE	508ac	NLF	M				FS	FS																	
185	04010201	013		ST LOUIS R	9.5mi	NLF	E		NS	FS	FS	NS																	
186	04010201	014		ST LOUIS R	1.5mi	NLF	E		FS	FS	FS	FS																	
187	04010201	016		ST LOUIS R	0.2mi	NLF	E		FS	FS	FS	FS																	
188	04010201	017		ST LOUIS R	19.2mi	NLF	E		FS	FS	FS	FS																	
189	04010201	018		ST LOUIS R	1.8mi	NLF	M		FS		FS	FS																	
190	04010201	019		ST LOUIS R	5.9mi	NLF	M		FS		FS	FS																	
191	04010201	020		WHITEFACE R	28.6mi	NLF	M		NS		FS	NS																	
192	04010201	022	69-0532	PIONEER	56ac	NLF	E				ST	ST																	
193	04010201	026	69-0375	WHITEFACE RESVR.	5600ac	NLF	M			PS	ST	PS																	
194	04010201	031		ST LOUIS R	15.7mi	NLF	M		FS		FS	FS																	
195	04010201	033	69-0044	LONG	433ac	NLF	E				ST	ST																	
196	04010201	035	69-0434	WYNNE	279ac	NLF	E				FS	FS																	
197	04010201	035	69-0496	EMBARRASS	650ac	NLF	M				ST	ST																	
198	04010201	035	69-0565	ESQUAGAMA	366ac	NLF	M				FS	FS																	
199	04010201	035	69-1306	GILBERT PIT	219ac	NLF	M			PS	PS																		
200	04010201	037	69-0725	MASHKENODE	101ac	NLF	E				NS	NS																	
201	04010201	103		MILLER CREEK	8.6mi	NLF	M		FS		FS	FS																	
202	04010201	109		ST LOUIS R BLW FOND DU LAC	4.5mi	NLF	M			PS	PS																		
203	04010201	132		TRIB TO ST LOUIS RIVER	1.0mi	NLF	E																						

[illegible]

										--- Assessments ---										Pollution Kinds ---										Sources ---									
										Support- 3 -304-																													
OBS	HUC	SEG	LAKEID	RCHNAME	SIZE	ECOR	E	A	F	A	O	N	P	T	F	D	A	P	M	C	N	B	O																
							Q	I	S	L	3	L	M	S	I	R	C	O	N	H	X	T	2	T	D	X	U	N	NPDES										
							L	C	W	L	d	L	M	S	I	R	C	O	N	H	X	T	2	T	D	X	U	N	NPDES										
----- 07010101 Mississippi River (Headwaters) -----																																							
300	07010101	003	31-0532-01	POKEGAMA (MAIN)	3180ac	NLF	M	PS	FS	PS		L	M		0																								
301	07010101	003	31-0532-02	POKEGAMA (WENDIGO)	12720ac	NLF	E		FS	FS					M																								
302	07010101	003	31-0554	SISEEBAKWET	1312ac	NLF	M		FS	FS					0																								
303	07010101	004		MISSISSIPPI R	7.3mi		M	PS	FS	PS		L		Y		D						9				21													
304	07010101	005		MISSISSIPPI R	6.4mi		M	PS	FS	PS		L				D																							
305	07010101	007	31-0719	DEER	3926ac	NLF	M		PS	FS	PS	L	M		0								5																
306	07010101	008		MISSISSIPPI R	6.0mi		M	PS	FS	PS		L				D																							
307	07010101	010	31-0812	BALL CLUB	3936ac	NLF	E	PS	FS	PS		L	M		M							5																	
308	07010101	013	31-0857-01	CUT FOOT SIOUX (MAI	2128ac	NLF	E	PS	PS	PS		L	M		E							5		9															
309	07010101	017	31-0921	DIXON	680ac	NLF	M		ST	ST					E																								
310	07010101	027	04-0038	ANDRUSIA	1510ac	NLF	E		ST	ST					E																								
311	07010101	027	04-0079	WOLF	1051ac	NLF	E		ST	ST					E																								
312	07010101	029	04-0110	LITTLE BASS	343ac	NLF	M		FS	FS					0																								
313	07010101	029	04-0130	BEMIDJI	6420ac	NLF	M	PS	ST	PS		L	M		E							5																	
314	07010101	029	04-0132	BIG BASS	380ac	NLF	M		FS	FS					M																								
315	07010101	029	04-2001	STUMP LAKE	6420ac		M	PS	PS			L	M									3	5																
316	07010101	032	04-0140	IRVINE	613ac	NLF	M		PS	PS		L			E																								

					--- Assessments ---										----- Pollution Kinds -----										-- Sources --						
					--Support- 3 -304-																										
					A	F	A	O	N	P	T	F	D	A	P	T	E	L	U	B	O	T	M	I							
OBS	HUC	SEG	LAKEID	RCHNAME	SIZE	ECOR	E	L	C	W	L	d	L	M	S	I	R	C	O	N	H	X	T	2	T	D	X	U	N	NPDES	
					Mississippi River (Brainerd)																										
502	07010104	01-0217	LITTLE TURTLE		11ac	NLF	M																								
503	07010104	01-2001	UNNAMED		135ac	NLF	E			ST	ST																				
504	07010104	18-0021	MILLER (ALMOND)		108ac	NLF	M			FS	FS																				
505	07010104	18-0034	BAY		2392ac	NLF	M			FS	FS																				
506	07010104	18-0038	CLEARWATER		917ac	NLF	M			FS	FS																				
507	07010104	18-0041-01	CROOKED-SUGAR BAY		120ac	NLF	M			FS	FS																				
508	07010104	18-0041-02	CROOKED-MAIN BASIN		320ac	NLF	M			FS	FS																				
509	07010104	18-0044	HANKS		171ac	NLF	M			FS	FS																				
510	07010104	18-0050	PORTAGE		292ac	NLF	M			FS	FS																				
511	07010104	18-0059	BLACK		105ac	NLF	M			FS	FS																				
512	07010104	18-0060	AGATE		184ac	NLF	E			ST	ST																				
513	07010104	18-0069	PORTAGE		120ac	NLF	M			FS	FS																				
514	07010104	18-0076	LONG		196ac	NLF	M			ST	ST																				
515	07010104	18-0090	SERPENT		1057ac	NLF	E			FS	FS																			M	
516	07010104	18-0093	RABBIT		531ac	NLF	M			FS	FS																			M	
517	07010104	18-0099	EAGLE		228ac	NLF	M			FS	FS																			M	
518	07010104	18-0117	BLACKHOOF		183ac	NLF	E			ST	ST																				
519	07010104	18-0127	COLE		114ac	NLF	E			PS	PS		L												9						
520	07010104	18-0155	CROW WING		373ac	NLF	M			ST	ST																				
521	07010104	18-0242	UPPER MISSION		817ac	NLF	M			ST	ST																				
522	07010104	18-0243	LOWER MISSION		698ac	NLF	M			ST	ST																				
523	07010104	18-0320-01	GILBERT (EAST BAY)		300ac	NLF	M			FS	FS																				
524	07010104	18-0320-02	GILBERT (WEST BAY)		60ac	NLF	M			FS	FS																				
525	07010104	18-0379	WHITE SAND		441ac	NLF	M			FS	FS																				
526	07010104	18-0439	PENNINGTON MINE PIT		57ac		M			FS	FS																				
527	07010104	49-0032	MICHAELS		68ac	NCHF	E			ST	ST																				
528	07010104	49-0035	GREEN PRAIRIE FISH		168ac	NCHF	E			ST	ST																				
529	07010104	49-0081	PINE		197ac	NCHF	M			FS	FS																				
530	07010104	77-0007	MOUND 3 MI SO OF		274ac	NCHF	M			FS	FS																				
531	07010104	77-0014	STUMP		34ac	NCHF	E			PS	PS		L												9						
532	07010104	77-0026	MOOSE 2 MI N OF B		124ac	NCHF	M			NS	NS		L												9						
533	07010104	77-0027	LONG 2 MI NW OF B		372ac	NCHF	M			FS	FS																				
534	07010104	77-0032	LADY 3 MI N OF GR		207ac	NCHF	M			ST	ST																				
535	07010104	001	MISSISSIPPI R		4.2mi		E	FS	PS	FS	PS		L	M											3	5					
536	07010104	003	MISSISSIPPI R		4.4mi		M	FS	PS	FS	PS		L	M											3	5					
537	07010104	005	MISSISSIPPI R		9.6mi		M	NS	PS	FS	NS		L	M		Y								3	5		9	12	21		
538	07010104	011 18-0096	UPPER (SOUTH) LONG		793ac	NLF	M			ST	ST																				
539	07010104	011 18-0104	NOKAY		660ac	NLF	M			ST	ST																				
540	07010104	011 18-0136	LONG (LOWER SOUTH)		1380ac	NLF	M			ST	ST																				
541	07010104	013	MISSISSIPPI R		8.7mi		M	FS	PS	FS	PS		L	M											3	5					
542	07010104	015	MISSISSIPPI RIVER		3.3mi		E						L	M											7				M	MN0020095	
543	07010104	025 01-0147	ESQUAGAMAH		835ac	NLF	M			PS	ST	PS	L	M											5						
544	07010104	026 18-0140	BLACK BEAR		217ac	NLF	E			FS	FS																				
545	07010104	026 18-0145	RICE		434ac	NLF	E			PS	ST	PS	L	M											5						
546	07010104	027	ELK R		11.4mi		M	PS		NS	NS		L																		
547	07010104	028	ELK R		11.8mi		M	FS		NS	NS		L																		
548	07010104	029	LITTLE ELK RIVER		11.8mi		M	NS		NS	NS		L	M																M	
549	07010104	030	SWAN RIVER		28.4mi		M	FS		PS	PS		L	M		Y														M	
550	07010104	030 77-0022	MONS		86ac	NCHF	E			FS	FS																				
551	07010104	030 77-0023	BIG SWAN		859ac	NCHF	E			ST	ST																				
552	07010104	030 77-0034	LITTLE SWAN		149ac	NCHF	E			FS	FS																				
553	07010104	102	MISSISSIPPI RIVER		4.4mi		E			PS	PS		L	M												3	5	7		M	MN0020761

						--- Assessments ---										----- Pollution Kinds -----										--- Sources ---				
						--Support- 3 -304-																								
OBS	HUC	SEG	LAKEID	RCHNAME	SIZE	ECOR	M	A	F	A	O	N	P	T	F	D	A	P	T	E	L	U	O	B	O	T	M	I	NPDES	
							EL	Q	I	S	L	3	L	M	S	I	R	C	O	N	H	X	T	2	T	D	X	U	N	
07010104 Mississippi River (Brainerd)																														
554	07010104	126		MISSISSIPPI RIVER	13.2mi	M		PS		PS				L	M								3	5	7		M		MN0049328	
555	07010104	202		MISSISSIPPI RIVER	2.6mi	M		PS		PS				L	M								3	5			I		MN0000302	
07010105 Pine River																														
556	07010105	01-0212		MOULTON	258ac	NLF	E	PS		FS	PS			L	M									5						
557	07010105	11-0037		LEAVITT	130ac	NLF	M			FS	FS																			
558	07010105	11-0045		MARGARET	15ac	NLF	E			FS	FS																			
559	07010105	11-0046		MARION	8ac	NLF	E			FS	FS																			
560	07010105	11-0053		LAWRENCE	230ac	NLF	E			FS	FS																			
561	07010105	11-0054		LITTLE ANDRUS	24ac	NLF	E			FS	FS																			
562	07010105	11-0055		PAVELGRIT	20ac	NLF	M			ST	ST																			
563	07010105	11-0059		WASHBURN	1768ac	NLF	M		PS	FS	PS			L	M								5							
564	07010105	11-0101		GEORGE	601ac	NLF	M			PS	PS			L											9					
565	07010105	11-0156		LOUISE	46ac	NLF	E			ST	ST																			
566	07010105	11-0237		DEEP PORTAGE	31ac	NLF	M			FS	FS																			
567	07010105	11-0246		SYLVAN	98ac	NLF	M			FS	FS																			
568	07010105	11-0250		ADA	975ac	NLF	M			FS	FS																			
569	07010105	11-0253		WEST TWIN	36ac	NLF	E			ST	ST																			
570	07010105	11-0307		NORWAY	505ac	NLF	M			ST	ST																			
571	07010105	11-0308-01		BIG PORTAGE (WEST B	733ac	NLF	M			FS	FS																			
572	07010105	11-0308-02		BIG PORTAGE(E BAY/R	185ac	NLF	M			FS	FS																			
573	07010105	11-0351		FIVE POINT	219ac	NLF	M			FS	FS																			
574	07010105	11-0355		OX YOKE	166ac	NLF	M			FS	FS																			
575	07010105	11-0358		HORSESHOE	225ac	NLF	M			FS	FS																			
576	07010105	11-0361		SANBURN	233ac	NLF	E			FS	FS																			
577	07010105	11-0367		LIND	377ac	NLF	E			ST	ST																			
578	07010105	11-0411		PINE MTN	1567ac	NLF	E			FS	FS																			
579	07010105	18-0165		ROSS	495ac	NLF	M			ST	ST																			
580	07010105	18-0183		ISLAND	240ac	NLF	M			ST	ST																			
581	07010105	18-0186		PERRY	144ac	NLF	E		PS	PS	PS			L	M								5		9					
582	07010105	18-0191		BASS	71ac	NLF	E			PS	PS			L											9					
583	07010105	18-0195		DOLNEY	264ac	NLF	M			ST	ST																			
584	07010105	18-0206		PAPPOOSE	94ac	NLF	M		PS	FS	PS			L	M									5						
585	07010105	18-0207		SQUAW	82ac	NLF	M		FS	ST	ST																			
586	07010105	18-0212		RUTH	623ac	NLF	M			FS	FS																			
587	07010105	18-0218		TROUT	121ac	NLF	M			ST	ST																			
588	07010105	18-0220		SMOKY HOLLOW	123ac	NLF	E			FS	FS																			
589	07010105	18-0224		FOOL	246ac	NLF	E			ST	ST																			
590	07010105	18-0225		ADNEY	322ac	NLF	M			FS	FS																			
591	07010105	18-0251-01		SANDBAR (HORSESHOE	560ac	NLF	M			FS	FS																			
592	07010105	18-0251-02		SANDBAR (HORSESHOE	415ac	NLF	M			FS	FS																			
593	07010105	18-0266		LITTLE PINE	384ac	NLF	M			ST	ST																			
594	07010105	18-0271		DAGGETT	225ac	NLF	M			FS	FS																			
595	07010105	18-0284		VELVET	160ac	NLF	M			FS	FS																			
596	07010105	18-0287		GREER	353ac	NLF	E			ST	ST																			
597	07010105	18-0294		MITCHELL	433ac	NLF	E			ST	ST																			
598	07010105	18-0296		EAGLE	356ac	NLF	M			ST	ST																			
599	07010105	18-0297		WEST FOX	472ac	NLF	M			FS	FS																			
600	07010105	18-0298		EAST FOX	234ac	NLF	M			FS	FS																			
601	07010105	18-0301		MEYER	53ac	NLF	E			FS	FS																			
602	07010105	18-0305		EDWARD	2032ac	NLF	E			FS	FS																			
603	07010105	18-0308		PELICAN	8253ac	NLF	M		PS	FS	PS			L	M									5			M			

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--- Assessments --- ---- Pollution Kinds ---- -- Sources --
--Support- 3 -304-

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										--- Assessments ---										Pollution Kinds ---										Sources ---									
										---Support- 3 -304-																													
OBS	HUC	SEG	LAKEID	RCHNAME	SIZE	ECOR	M Q	A F	I S	A O	N	P T	F D	A P	P M	C N	B O	T M	I	NPDES																			
----- 07010201 Mississippi River (Sartell) -----																																							
752	07010201		49-0015	LONG	120ac	NCHF	E			FS	FS																												
753	07010201		49-0016	SULLIVAN	1221ac	NCHF	M			FS	FS																												
754	07010201		49-0019	ROUND	113ac	NCHF	M			FS	FS																												
755	07010201		49-0024	PIERZ	170ac	NCHF	M			FS	FS																												
756	07010201		49-0030	PELKEY	113ac	NCHF	E			NS	NS	L																											
757	07010201		49-0140	CEDAR 4 MI W OF U	253ac	NCHF	M			FS	FS																												
758	07010201		73-0092	SAGATAGAN	159ac	NCHF	E			FS	FS																												
759	07010201		73-0102	BIG WATAB	227ac	NCHF	M			FS	FS																												
760	07010201		73-0106	BIG FISH	558ac	NCHF	M			FS	FS																												
761	07010201		73-0107	LONG	163ac	NCHF	E			ST	ST																												
762	07010201		73-0117	UPPER SPUNK	3ulac	NCHF	M			ST	ST																												
763	07010201		73-0118	PELICAN	344ac	NCHF	M			FS	FS																												
764	07010201		73-0128	MIDDLE SPUNK	231ac	NCHF	M			FS	FS																												
765	07010201		73-0199	SAND	202ac	NCHF	E			NS	NS	L																											
766	07010201	001		MISSISSIPPI R	2.4mi		E		NS	NS		L	M			3	5																						
767	07010201	003	05-0013	LITTLE ROCK	1384ac	NCHF	M		PS	NS	NS	L	M				5		9																				
768	07010201	004		MISSISSIPPI R	10.2mi		M		PS	PS		L	M				3	5																					
769	07010201	006	49-0025	RICE	323ac	NCHF	E			NS	NS	L							9																				
770	07010201	008		SKUNK RIVER	10.6mi		E					L	M																										
771	07010201	010	49-0005	PEAVEY	123ac	NCHF	E			ST	ST																												
772	07010201	012		MISSISSIPPI R	2.0mi		M		PS	PS		L	M				3	5																					
773	07010201	013		MISSISSIPPI R	3.4mi		M		PS	PS		L	M					3	5																				
774	07010201	014		MISSISSIPPI R	3.5mi		M		PS	PS		L	M					3	5																				
775	07010201	016	77-0019	MARY 4 MI W OF ST	111ac	NCHF	M			ST	ST																												
776	07010201	017		S TWO R	10.9mi		M	NS		NS	NS	L		Y	F	D			9																				
777	07010201	017	73-0138	TWO RIVERS	756ac	NCHF	M			ST	ST																												
778	07010201	018	73-0123	LOWER SPUNK	292ac	NCHF	E			FS	FS																												
779	07010201	019	73-0070	WATAB	95ac	NCHF	E			ST	ST																												
780	07010201	019	73-0072	ROSSIER	40ac	NCHF	E			PS	PS	L																											
781	07010201	102		MISS R BLW SARTELL DAM	2.8mi																																		

					--- Assessments ---										----- Pollution Kinds -----										-- Sources --	
					--Support- 3 -304-																					
OBS	HUC	SEG	LAKEID	RCHNAME	SIZE	ECOR	E L	C W	L d	M S	I R	C O	N H	X T	P M	C N	B O	T M	I						NPDES	
----- 07010202 Sauk River					-----																					
802	07010202		77-0009	TRACE	252ac	NCHF	E				NS	NS		L												
803	07010202		77-0010	BASS AT GREY EAGL	95ac	NCHF	M				ST	ST														
804	07010202		77-0084	BIG BIRCH	1980ac	NCHF	M				ST	ST														
805	07010202		77-0149-01	LONG (MAIN BASIN)	211ac	NCHF	M				FS	FS														
806	07010202		77-0149-02	LONG (SOUTH BAY)	70ac	NCHF	M				FS	FS														
807	07010202		77-0150-01	SAUK(SW BAY)	500ac	NCHF	M				NS	NS		L												
808	07010202		77-0181	MAPLE	367ac	NCHF	M				PS	PS		L												
809	07010202	A02		HORSESHOE LAKE	0.6mi		M	FS			FS	FS														
810	07010202	B02		SAUK R ABOVE HORSESHOE CHAI	28.8mi		M	FS			NS	NS		L		Y	F									
811	07010202	D02		LONG LAKE	1.0mi		M	NS			FS	NS		L	M	Y		N	B							
812	07010202	G02		EDEN LAKE OUTLET	1.9mi		M	PS			FS	PS		L		Y			B							
813	07010202	L02		UNNAMED CREEK TO EDEN LK OU	0.8mi		M	FS			FS	FS														
814	07010202	M02		BECKER LAKE	2.3mi		M	PS			FS	PS		L		Y			B							
815	07010202	P02		UNNAMED CREEK TO SAUK RIVER	5.3mi		M	NS			FS	NS		L					B							
816	07010202	R02		STONE RIVER	0.9mi		M	FS			FS	FS				Y										
817	07010202	001		SAUK R	13.3mi		E	PS		NS	NS	NS		L	M	Y	F		B	3	5			9	12	21
818	07010202	002	73-0083	GREAT NORTHERN	113ac	NCHF	M				NS	NS		L					H							M
819	07010202	002	73-0089	ZUMWALLES	111ac	NCHF	M				NS	NS		L					H							M
820	07010202	002	73-0133-03	CEDAR ISLAND (KOETT	995ac	NCHF	M				NS	NS		L					H							M
821	07010202	002	73-0133-04	CEDAR ISLAND (EAST	400ac	NCHF	M				NS	NS		L					H							M
822	07010202	002	73-0151	MUD (VAILS)	1/1ac	NCHF	M				NS	NS		L					H							M
823	07010202	002	73-0156	BECKER	176ac	NCHF	M				FS	FS							M							
824	07010202	003		GETCHELL CR	17.9mi		M	PS			FS	PS		L		Y			B							
825	07010202	004		SAUK R	9.1mi		E	NS		PS	NS	NS		L	M	Y	F		N	B	3	5			9	21
826	07010202	005	73-0249	SYLVIA	81ac	NCHF	M				FS	FS							M							
827	07010202	005	77-0089	LITTLE BIRCH	793ac	NCHF	M				ST	ST							E							
828	07010202	011	77-0150-02	SAUK (NORTH BAY)	1611ac	NCHF	M			PS	PS	PS		L	M				E					5	9	
829	07010202	013	77-0215	OSAKIS AT OSAKIS	6758ac	NCHF	M			PS	PS	PS		L	M				E					5	9	M
830	07010202	016	73-0037	PEARL	733ac	NCHF	E				FS	FS							M							
831	07010202	016	73-0055	GRAND	666ac	NCHF	M				FS	FS							M							
832	07010202	016	73-0076	GOODNERS	150ac	NCHF	E				FS	FS							M							
833	07010202	102		SAUK RIVER	5.5mi		E	NS		PS	FS	NS		D	L	M	Y		N	B	3	5	7	9		21
834	07010202	105		ADLEY CR	4.7mi		M	NS			NS	NS		L	M	Y	F		N	B					9	21
835	07010202	106		SAUK RIVER	2.6mi		E	FS		PS	NS	NS		L	M	Y	F							3	5	7
836	07010202	202		SAUK RIVER ABV COLD SPRING	1.5mi		E			PS		PS		L	M											
837	07010202	204		CD 44(CD #9)	11.4mi		M	PS			FS	PS		L		Y			B						9	21
838	07010202	206		SAUK R ABV MELROSE DAM	16.0mi		E	NS		PS	PS	NS		L	M	Y	F		N	B	3	5			9	12
839	07010202	702		KOETTER LAKE	1.1mi		M	FS			FS	FS														
----- 07010203 Mississippi River (St. Cloud)					-----																					
840	07010203		71-0055	ELK	353ac	NCHF	M				NS	NS		L					H							9
841	07010203		71-0057	BIRCH	149ac	NCHF	M				PS	PS		L					E							9
842	07010203		71-0069	ANN	184ac	NCHF	M				FS	FS							E							
843	07010203		71-0081	MITCHELL	170ac	NCHF	M				ST	ST							E							
844	07010203		71-0082	BIG	251ac	NCHF	M				FS	FS							M							
845	07010203		71-0145	JULIA	142ac	NCHF	M				NS	NS		L					H							9
846	07010203		71-0146	BRIGGS	406ac	NCHF	M				PS	PS		L					E							9
847	07010203		71-0147	RUSH	161ac	NCHF	M				NS	NS		L					H							9
848	07010203		71-0158	PICKEREL	121ac	NCHF	M				FS	FS							M							
849	07010203		71-0159	LONG	182ac	NCHF	M				FS	FS							M							
850	07010203		71-0167	ROUND	37ac	NCHF	M				FS	FS							M							
851	07010203		73-0004	LONG	49ac	NCHF	M				FS	FS							M							

[illegible]

--- Assessments --- ---- Pollution Kinds ---- -- Sources --
--Support- 3 -304-

A F A 0 N P M C N B O
 M Q I S L 3 P T F D A P T E L U O T M I
 E L C W L d L M S I R C O N H X T 2 T D X U N NPDES
 er (Twin Cities) -----

[illegible]

						--- Assessments ---										----- Pollution Kinds -----										--- Sources ---				
						---Support- 3 -304-																								
OBS	HUC	SEG	LAKEID	RCHNAME	SIZE	ECOR	E	A	F	A	O	N	P	T	F	D	A	P	T	E	L	U	B	O	T	M	I	NPDES		
								M	Q	I	S	L	3	L	M	S	I	R	C	O	N	H	X	T	2	T	D	X	U	N
						Mississippi River (Twin Cities)																								
1054	07010206	27-0133-13	MINNETONKA	(NORTH A	326ac	NCHF	M					ST	ST																	
1055	07010206	27-0133-14	MINNETONKA	(WEST AR	825ac	NCHF	M					NS	NS											9				M		
1056	07010206	27-0133-15	MINNETONKA	(JENNING	297ac	NCHF	M					NS	NS											9				M		
1057	07010206	27-0134	MOONEY		111ac	NCHF	M					NS	NS											9						
1058	07010206	27-0137	CHRISTMAS		276ac	NCHF	M					PS	FS	PS										3	5					
1059	07010206	27-0139	FOREST		81ac	NCHF	M					PS	PS											9						
1060	07010206	27-0157	WOLSFELD		36ac	NCHF	E					NS	NS											9						
1061	07010206	27-0160	LONG		272ac	NCHF	M					PS	NS	NS										3	5					
1062	07010206	27-0179-02	LONG	(NORTH BAY)	80ac	NCHF	M					FS	FS																	
1063	07010206	27-0181	DUTCH		160ac	NCHF	M					NS	NS											9						
1064	07010206	27-0182	LANGDON		141ac	NCHF	M					NS	NS											9						
1065	07010206	27-0656	TWIN		-ac	NCHF	M					NS	NS											9						
1066	07010206	62-0001	SILVER		68ac	NCHF	M					PS	ST	PS										3	5					
1067	07010206	62-0002	BALD EAGLE		1012ac	NCHF	M					PS	PS											9						
1068	07010206	62-0006	KOHLMAN		72ac	NCHF	M					NS	NS											9						
1069	07010206	62-0007	GERVAIS		213ac	NCHF	M					ST	ST																	
1070	07010206	62-0010	KELLER		68ac	NCHF	M					NS	NS											9						
1071	07010206	62-0011	WAKEFIELD		23ac	NCHF	M					NS	NS											9						
1072	07010206	62-0012	ROUND		30ac	NCHF	M					NS	NS											9						
1073	07010206	62-0013	PHALEN		218ac	NCHF	M					PS	ST	PS										5						
1074	07010206	62-0016	BEAVER		84ac	NCHF	M					NS	NS											9						
1075	07010206	62-0018	DEEP		73ac	NCHF	M					NS	NS											9						
1076	07010206	62-0024	BIRCH		127ac	NCHF	M					ST	ST																	
1077	07010206	62-0028	SUCKER		60ac	NCHF	M					ST	ST																	
1078	07010206	62-0034	GOOSE		152ac	NCHF	E					NS	NS											9						
1079	07010206	62-0036	PRIEBE		17ac	NCHF	M					NS	NS											9						
1080	07010206	62-0037	GEM		20ac	NCHF	M					ST	ST																	
1081	07010206	62-0038-01	VADNAIS	(EAST VADNA	369ac	NCHF	M					ST	ST																	
1082	07010206	62-0040	WILLOW		75ac	NCHF	M					ST	ST																	
1083	07010206	62-0046	PLEASANT		593ac	NCHF	M					ST	ST																	
1084	07010206	62-0048	BENNETT		41ac	NCHF	M					NS	NS											9						
1085	07010206	62-0049-01	LANGTON	(NORTH BAY)	20ac	NCHF	M					NS	NS											9						
1086	07010206	62-0049-02	LANGTON	(SOUTH BAY)	15ac	NCHF	M					NS	NS											9						
1087	07010206	62-0054	MC CARRON		81ac	NCHF	M					ST	ST																	
1088	07010206	62-0055	COMO		70ac	NCHF	M					PS	NS	NS										3	5					
1089	07010206	62-0056	OWASSO		357ac	NCHF	M					PS	PS											9						
1090	07010206	62-0057	JOSEPHINE		109ac	NCHF	M					ST	ST																	
1091	07010206	62-0058	LITTLE JOHANNA		18ac	NCHF	E					NS	NS											9						
1092	07010206	62-0061	TURTLE		444ac	NCHF	M					FS	FS																	
1093	07010206	62-0062	CHARLEY		32ac	NCHF	M					PS	PS											9						
1094	07010206	62-0067	LONG		184ac	NCHF	M					PS	NS	NS										3						
1095	07010206	62-0069	PIKE		36ac	NCHF	M					NS	NS											9						
1096	07010206	62-0070	ROUND		122ac	NCHF	M					ST	ST																	
1097	07010206	62-0071	VALENTINE		60ac	NCHF	M					NS	NS											9						
1098	07010206	62-0072	KARTH		15ac	NCHF	M					PS	PS											9						
1099	07010206	62-0073	SNAIL		157ac	NCHF	M					FS	FS																	
1100	07010206	62-0074	GRASS		146ac	NCHF	M					ST	ST																	
1101	07010206	62-0075-01	ISLAND	(BASIN SOUTH	36ac	NCHF	M					NS	NS											9						
1102	07010206	62-0075-02	ISLAND	(BASIN NORTH	20ac	NCHF	M					PS	PS											9						
1103	07010206	62-0078	JOHANNA		230ac	NCHF	M					ST	ST																	
1104	07010206	62-0080	EMILY		12ac	NCHF	M					ST	ST																	
1105	07010206	62-0081	MUD		16ac	NCHF	M					NS	NS											9						

					--- Assessments ---										----- Pollution Kinds -----										-- Sources --							
					--Support- 3 -304-																											
OBS	HUC	SEG	LAKEID	RCHNAME	SIZE	ECOR	E	L	C	W	L	d	L	M	S	I	R	C	N	H	X	T	2	T	D	X	U	N	NPDES			
					07010206	Mississippi River	(Twin Cities)																									
1106	07010206		62-0082	WABASSO	46ac	NCHF	M																									
1107	07010206		62-0095	EVERGREEN PONDS (KE	26ac	NCHF	M																									
1108	07010206		82-0101	DEMONTREVILLE	140ac	NCHF	M																									
1109	07010206		82-0103	OLSON	79ac	NCHF	M																									
1110	07010206		82-0104	JANE	159ac	NCHF	M																									
1111	07010206		82-0106	ELMO	304ac	NCHF	M																									
1112	07010206		82-0115	TANNERS	70ac	NCHF	M																									
1113	07010206		82-0122	PINE TREE	170ac	NCHF	M																									
1114	07010206		82-0130	LONG	48ac	NCHF	M																									
1115	07010206		82-0140	ONEKA	381ac	NCHF	M																									
1116	07010206		82-0153	SUNSET	124ac	NCHF	M																									
1117	07010206		82-0163	CLEAR	400ac	NCHF	M																									
1118	07010206		82-0167	WHITE BEAR	2585ac	NCHF	M																									
1119	07010206		82-0168	MUD	-ac	NCHF	M																									
1120	07010206	001	19-0005-01	SPRING (L&D 2 POOL)	-ac	NCHF	M																									
1121	07010206	001	19-0005-02	BALDWIN (L&D2 POOL)	-ac	NCHF	M																									
1122	07010206	001	19-0005-03	RIVER (L&D 2 POOL)	-ac	NCHF	M																									
1123	07010206	001	19-0079	PICKERAL	52ac	E																										
1124	07010206	001	62-0004	PIGSEYE	511ac	NCHF	E																									
1125	07010206	001	82-0474	UNNAMED	-ac	NCHF	M																									
1126	07010206	002	02-0071	SPRING	60ac	NCHF	M																									
1127	07010206	002	02-0075-01	MOORE (WEST BAY)	80ac	NCHF	M																									
1128	07010206	002	27-0014	POWDERHORN	11ac	NCHF	M																									
1129	07010206	002	27-0019	NOKOMIS	204ac	NCHF	M																									
1130	07010206	002	62-0083	SILVER	69ac	NCHF	M																									
1131	07010206	003	02-0052	NETTA	168ac	NCHF	M																									
1132	07010206	003	02-0053	HAM	193ac	NCHF	M																									
1133	07010206	003	02-0072	LADDIE	77ac	NCHF	E																									
1134	07010206	003	02-0084	CROOKED	130ac	NCHF	M																									
1135	07010206	005		MISSISSIPPI R	0.4mi	M																										
1136	07010206	006		MISSISSIPPI RIVER	8.3mi	M																										
1137	07010206	007	27-0061	CHAMPLIN MILL POND	38ac	NCHF	M																									
1138	07010206	007	27-0165	JUBERT	64ac	NCHF	M																									
1139	07010206	008	10-0018	SCHUTZ	105ac	NCHF	M																									
1140	07010206	008	10-0041	ZUMBRA	162ac	NCHF	M																									
1141	07010206	008	10-2001	CURRY FARM POND A	-ac	NCHF	M																									
1142	07010206	008	27-0133-01	MINNETONKA (GRAYS B	188ac	NCHF	M																									
1143	07010206	008	27-0133-02	MINNETONKA (LOWER L	6128ac	NCHF	M																									
1144	07010206	008	27-0133-03	MINNETONKA (CARSONS	116ac	NCHF	M																									
1145	07010206	008	27-0133-04	MINNETONKA (ST. ALBAN	168ac	NCHF	M																									
1146	07010206	008	27-0133-05	MINNETONKA (UPPER LA	4280ac	NCHF	M																									
1147	07010206	008	27-0133-09	MINNETONKA (HALSTED	544ac	NCHF	M																									
1148	07010206	008	27-0133-10	MINNETONKA (CRYSTAL	830ac	NCHF	M																									
1149	07010206	008	27-0133-11	MINNETONKA (MAXWELL	297ac	NCHF	M																									
1150	07010206	008	27-0138	PEAVEY	10ac	NCHF	M																									
1151	07010206	008	27-0141	TANAGER	50ac	NCHF	M																									
1152	07010206	008	27-0144	GALPIN	48ac	NCHF	M																									
1153	07010206	101		MISSISSIPPI R BLW LOCK/DAM	3.7mi	M																										
1154	07010206	102		MISS R BLW FORD PLANT DAM	3.8mi	M																										
1155	07010206	104		MISS R BLW COON RAPIDS DAM	1.0mi	M																										
1156	07010206	201		MISSISSIPPI RIVER	14.8mi	M																										
1157	"	"	"	"	"	"																										


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--- Assessments --- ---- Pollution Kinds ---- -- Sources --
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OBS	HUC	SEG	LAKEID	RCHNAME	SIZE	ECOR	A M E	F Q L	I C	S W	L d	3 L M S	P I R C N H X T 2 T	D A P T E L U O B T M I	N P D E S
----- 07020006 Redwood River -----															
1298	07020006		42-0093	EAST GOOSE	139ac	NGP	M								
1299	07020006	001		REDWOOD R	2.9mi		M	NS	PS						
1300	07020006	007	41-0021	DEAD COON 7 MI N	576ac	NGP	M								
1301	07020006	008	41-0043	BENTON AT LAKE BE	2857ac	NGP	M								
1302	07020006	103		REDWOOD R blw dam abv Ramse	1.2mi		M		PS						
1303	07020006	106		REDWOOD RIVER	28.3mi		M	NS							MN0022179
----- 07020007 Minnesota River (Mankato) -----															
1304	07020007		07-0047	GEORGE	141ac	WCBP	M								
1305	07020007		07-0098	CRYSTAL	397ac	WCBP	M								
1306	07020007		40-0119	SCOTCH	565ac	NCHF	E								
1307	07020007		40-0124	EMILY	235ac	NCHF	E								
1308	07020007		52-0034	SWAN	6500ac	WCBP	E								
1309	07020007	001		MINNESOTA R	1.2mi		E	FS	NS	NS	NS				
1310	07020007	002		MINNESOTA R	5.7mi		E	FS	NS	NS	NS				
1311	07020007	003		MINNESOTA RIVER	14.9mi		E	FS	PS	NS	NS				
1312	07020007	004		MINNESOTA R	2.8mi		M	FS	PS	NS	NS				
1313	07020007	005		MINNESOTA R	8.1mi		M	FS	PS	NS	NS				
1314	07020007	008		MINNESOTA R	9.1mi		M	FS	PS	NS	NS				
1315	07020007	009		MINNESOTA R	0.4mi		M	FS	PS	NS	NS				
1316	07020007	010		MINNESOTA R	5.2mi		M	FS	PS	NS	NS				
1317	07020007	011		MINNESOTA RIVER	15.7mi		E	FS	NS	PS	NS				
1318	07020007	013		MINNESOTA R	1.5mi		E	FS	NS	PS	NS				
1319	07020007	015		MINNESOTA R	5.4mi		E	FS	NS	PS	NS				
1320	07020007	016		MINNESOTA R	4.8mi		E	FS	NS	PS	NS				
1321	07020007	018		MINNESOTA R	10.1mi		E	FS	NS	PS	NS				
1322	07020007	019		MINNESOTA RIVER	5.9mi		E	FS	NS	PS	NS				
1323	07020007	021		MINNESOTA R	5.1mi		M	NS		PS	NS				
1324	07020007	026	07-0097	MILLS	235ac		M		FS		FS				
1325	07020007	026	07-0101	LILY	142ac	WCBP	M			ST	ST				
1326	07020007	028	40-0117	WASHINGTON	1505ac	NCHF	M			PS	PS				
1327	07020007	226		MINNEOPA CREEK	4.6mi		M	FS		FS	FS				
1328	07020007	426		MINNEOPA CREEK	7.5mi		M	FS		FS	FS				
1329	07020007	726		CO DITCH 27	4.9mi		M	FS		FS	FS				
----- 07020008 Cottonwood River -----															
1330	07020008		08-0011	CLEAR	335ac	WCBP	E								
1331	07020008		08-0045	SLEEPY EYE (WHOLE L	251ac	WCBP	E								
1332	07020008		42-0052	ROCK	422ac	NGP	M								
1333	07020008		51-												

										Assessments										Pollution Kinds										Sources									
										Support- 3 -304-																													
OBS	HUC	SEG	LAKEID	RCHNAME	SIZE	ECOR	E	F	S	A	O	N	P	T	F	D	A	P	M	C	N	B	O																
						Q	I	W	L	d	L	M	S	I	R	C	O	N	H	X	T	2	T	D	X	U	N	NPDES											
1344	07020009	001		BLUE EARTH R	3.4mi		E	FS	PS	NS	NS				Y	F			3		9	12	21																
1345	07020009	003		BLUE EARTH RIVER	46.7mi		E					D	L	M							7				M		MN0025267												
1346	"	"	"	"																				M		MN0030490													
1347	07020009	004		ELM CR	30.4mi	M	FS		NS	NS	L			Y	F						9	12	21																
1348	07020009	006		ELM CR	17.6mi	M	FS		FS	FS																													
1349	07020009	010		CENTER CREEK	19.4mi	E	NS	PS	NS	NS	D	L	M	Y	F	D	N	3		7	9	12	21	M		MN0030112													
1350	07020009	011	46-0109	FOX	1041ac	WCBP	M		PS	PS	L				E						9																		
1351	07020009	012	46-0030	BUDD	207ac	WCBP	M		PS	PS	L				E						9																		
1352	07020009	012	46-0031	HALL	552ac	WCBP	M		PS	NS	NS	L	M		H			3		9																			
1353	07020009	019		BLUE EARTH R	4.2mi	M	FS		NS	NS	D	L				F							21																
1354	07020009	025	22-0007	RICE	268ac	M		FS		FS																													
1355	07020009	025	22-0023	WALNUT	827ac	M		FS		FS																													
1356	07020009	102		BLUE EARTH R BLW RAPIDAN DA	3.7mi	E		PS		PS	L	M						3																					
1357	07020009	105		CEDAR RUN CREEK	8.7mi	M	FS		FS	FS	L	M									7			M		MN0022071													
1358	07020009	110		JD 40	3.4mi	M	FS		FS	FS																													
1359	07020009	112		CENTER CR	0.9mi	E		PS		PS	L	M						3																					
1360	07020009	202		BLUE EARTH R ABV RAPIDAN DA	8.8mi	E		PS		PS	D	L	M					3	5																				
1361	07020009	405		CEDAR RUN CREEK	15.3mi	M	NS		NS	NS	L	M		Y	F	D	N				9	12	21																
----- 07020010 Watonwan River -----																																							
1362	07020010		08-0026	HANSKA	1844ac	WCBP	E		NS	NS	L				H						9																		

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										--- Assessments ---										Pollution Kinds										--- Sources ---									
										---Support- 3 -304-																													
OBS	HUC	SEG	LAKEID	RCHNAME	SIZE	ECOR	E	A	F	S	A	O	N	P	T	F	D	A	P	T	E	L	U	B	O	T	M	I	NPDES										
										(Shakopee)																													
1444	07020012	001	19-0153	UNNAMED (HEINE)	-ac	NCHF	M				FS	FS																											
1445	07020012	001	27-0076	RED ROCK	92ac	NCHF	M				NS	NS	L			H								9															
1446	07020012	002	10-0066	WINKLER	129ac	NCHF	E				NS	NS	L			H								9															
1447	07020012	002	10-0078	RICE	347ac	NCHF	E				NS	NS	L			H								9															
1448	07020012	002	10-0088	HYDES	226ac	NCHF	M				NS	NS	L			H								9															
1449	07020012	003		MINNESOTA R	5.1mi		M			NS	NS		L	M							3	5																	
1450	07020012	004		MINNESOTA R	3.7mi		M	FS	NS	NS	NS		L	M			F				3	5																	
1451	07020012	006	72-0017	WASHINGTON	630ac	WCBP	E				NS	NS	L			H								9			M												
1452	07020012	008		MINNESOTA R	17.8mi		M	FS	NS	NS	NS		L	M			F				3	5																	
1453	07020012	009		HIGH ISLAND CREEK	22.6mi		M	NS		NS	NS		L	M			F	D	N	A			7			21	M	MN0020834											
1454	07020012	013		MINNESOTA RIVER	9.0mi		E	FS	NS	NS	NS		L	M		Y	F				3		7	9	12	21	M	MN0023621											
1455	07020012	019		MINNESOTA R	1.6mi		E	FS	NS	NS	NS		L	M			F				3																		
1456	07020012	020		MINNESOTA R	8.6mi		E	FS	NS	NS	NS		L	M			F				3						21												
1457	07020012	021	40-0079	CLEAR	313ac	NCHF	E				NS	NS	L			H								9															
1458	07020012	024		RAVEN STREAM	13.1mi		M	NS			FS	NS	L	M							5						21												
1459	07020012	025	40-0020	GREENLEAF 2 MI SW	306ac	NCHF	M				NS	NS	L			H								9															
1460	07020012	101		MINNESOTA RIVER	22.0mi		M	NS			NS	NS	D	L	M	Y	F		N					9	12	21	M	MN0029882											
1461	"	"	"	"																							M	MN0029882											
1462	"	"	"	"																							M	MN0030007											
1463	07020012	109		TRIB TO HIGH ISLAND CR	4.3mi		M	FS			FS	FS																											
1464	07020012	118		DITCH,CD 40A,JD 1A	17.5mi		M	FS			FS	FS																											
1465	07020012	124		E BR RAVEN STREAM	10.1mi		M	NS			FS	NS	L	M					N				5				21												
1466	07020012	224		E BR RAVEN STRM TRIB	6.2mi		M	NS			NS	NS	L	M			F																						

[illegible]

					--- Assessments ---										----- Pollution Kinds -----										--- Sources ---							
					---Support- 3 -304-																											
OBS	HUC	SEG	LAKEID	RCHNAME	SIZE	ECOR	E	L	C	W	L	d	L	M	S	I	R	C	N	H	X	T	2	T	D	X	U	N	NPDES			
----- 07030004 Snake River (St. Croix River)																																
1543	07030004	004	33-0015	MUD	214ac	NCHF	M						L				H							9								
1544	07030004	007		SNAKE RIVER	5.0mi		E						L	M										7		M		MN0021156				
1545	07030004	008	33-0024	FULL OF FISH	51ac	NCHF	E			ST	ST						E															
1546	07030004	014	33-0036	FISH	311ac	NCHF	E			NS	NS		L				H							9								
1547	07030004	014	33-0040	ANN	653ac	NCHF	E			NS	NS		L				H							9								
1548	07030004	016		GROUNDHOUSE RIVER	19.8mi		M	FS		NS	NS		L	M		Y	F							7	9	21	M	MN0021997				
----- 07030005 St. Croix River (Lower)																																
1549	07030005		02-0022	ISLAND	65ac	NCHF	M			ST	ST						E															
1550	07030005		02-0026	LINWOOD	567ac	NCHF	M			PS	PS		L				E								9							
1551	07030005		02-0034	MARTIN	218ac	NCHF	M			NS	NS		L				H								9							
1552	07030005		02-0035	FAWN	71ac	NCHF	M			ST	ST						E															
1553	07030005		02-0042	COON	1466ac	NCHF	M		PS	ST	PS		L	M			E								5							
1554	07030005		13-0012-01	CHISAGO (NORTH BAY)	650ac	NCHF	M			PS	PS		L				E									9						
1555	07030005		13-0012-02	CHISAGO (SOUTH BAY)	280ac	NCHF	M			PS	PS		L				E									9						
1556	07030005		13-0027	SOUTH CENTER	836ac	NCHF	M			NS	NS		L				H									9						
1557	07030005		13-0028	SOUTH LINDSTROM	450ac	NCHF	M			ST	ST						E															
1558	07030005		13-0032	NORTH CENTER	726ac	NCHF	M			NS	NS		L				H									9		M				
1559	07030005		13-0033	LITTLE	159ac		E		PS		PS		L	M												5						
1560	07030005		13-0041-01	GREEN(LITTLE GREEN)	280ac	NCHF	M			PS	PS		L				E										9					
1561	07030005		13-0041-02	GREEN(MAIN BASIN)	1550ac	NCHF	M			ST	ST						E															
1562	07030005		13-0053	COMFORT	219ac	NCHF	M		PS	FS	PS		L	M			M									3	5					
1563	07030005		13-0068	FISH	306ac	NCHF	E			ST	ST						E															
1564	07030005		30-0009	TYPO	295ac	NCHF	E			NS	NS		L				H										9					
1565	07030005		82-0021	LONG	96ac	NCHF	M			NS	NS		L				H										9					
1566	07030005		82-0023	LILY	52ac	NCHF	M			ST	ST						E															
1567	07030005		82-0031	NORTH TERRAPIN	85ac	NCHF	E			ST	ST						E															
1568	07030005		82-0033	MAYS	25ac	NCHF	E			ST	ST						E															
1569	07030005		82-0045	CLEAR	31ac	NCHF	E			FS	FS						M															
1570	07030005		82-0046	SQUARE	210ac	NCHF	M			FS	FS						O															
1571	07030005		82-0049	BIG CARNELIAN	444ac	NCHF	M		PS	FS	PS		L	M			M										5					
1572	07030005		82-0052	BIG MARINE	1577ac	NCHF	M		PS	ST	PS		L	M			E										5					
1573	07030005		82-0054	BONE	206ac	NCHF	M			PS	PS		L				E											9				
1574	07030005		82-0080	HALFBREED	74ac	NCHF	M			ST	ST						E															
1575	07030005		82-0159	FOREST	1098ac	NCHF	M		FS	PS	PS		L				E											9				
1576	07030005	001		ST CROIX R	6.6mi		M	FS	PS	FS	PS		L	M													3	5				
1577	07030005	003		LAKE SAINT CROIX	12.1mi		M	FS	PS	FS	PS		L	M		Y											3	5	7	9		
1578	07030005	003	82-0001	ST CROIX	8209ac	NCHF	M			ST	ST						E												M	MN0029912		
1579	07030005	007		SAINT CROIX RIVER	13.5mi		M	NS	PS	FS	NS		L	M		Y											3	5	7	9	M	MN0029998
1580	07030005	031	13-0069-01	RUSH (EAST BAY) 5 M	1360ac	NCHF	M			NS	NS		L				H											9				
1581	07030005	031	13-0069-02	RUSH (WEST BAY) 6	1460ac	NCHF	M			PS	PS		L				E											9				
1582	07030005	032	13-0083-02	GOOSE (SOUTH)	470ac	NCHF	M			ST	ST						E															
1583	07030005	034		SUNRISE R, N BR	19.4mi		M	FS		NS	NS		L				F															
1584	07030005	035		SUNRISE R	26.5mi		M	NS		FS	NS		L					D														
1585	07030005	118		ST CROIX R BLW TAYLOR FALL	37.9mi		M		NS		NS		L	M														3	5			
1586	07030005	218		ST CROIX R ABV TAYLOR FALL	13.7mi		M		PS		PS		L	M															5			
1587	07030005	333		BEAVER CREEK	6.8mi		M	FS		NS	NS		L				F												21			
1588	07030005	433		DT TO BEAVER CREEK	4.3mi		M	FS		FS	FS																					
1589	07030005	435		undone new	0.0mi		M	NS		FS	NS		L					D														
1590	07030005	535		undone new	0.0mi		M	NS		FS	NS		L					D														
1591	07030005	635		undone new	0.0mi		M	NS		FS	NS		L					D														
1592	07040001		19-0003	REBECCA	41ac		M		PS		PS		L	M															3	5		

OBS	HUC	SEG	LAKEID	RCHNAME	SIZE	ECOR	Assessments										Pollution Kinds										Sources
							A E	F L	I C	S W	A L	O 3	N L	P M	T S	F I	D R	A C	N O	H N	X H	T X	U T	B D	O O	M T	
----- 07040004 Zumbro River -----																											
1691	07040004	010		M FK ZUMBRO RIVER	7.6mi																						
1692	07040004	010	55-0005	SHADY	204ac	WCBP																					
1693	07040004	013		S BR M FK ZUMBRO R.	24.4mi																						
1694	07040004	016		ZUMBRO R, S FK	11.7mi																						
1695	07040004	016	55-0003	SILVER	62ac																						
1696	07040004	021		S FK ZUMBRO RIVER	16.5mi																						
1697	"	"	"	"																							
1698	07040004	107		PEARL CREEK	3.6mi																						
1699	07040004	108		ZUMBRO RIVER	4.0mi																						
1700	07040004	118		S FK ZUMBRO R BLW SLVER LK	0.2mi																						
1701	07040004	320		SALEM CREEK	9.7mi																						
----- 07040006 Mississippi River (La Crosse) -----																											
1702	07040006	001		MISSISSIPPI R	4.3mi																						
1703	07040006	002		MISSISSIPPI R	0.8mi																						
1704	07040006	009		MISSISSIPPI R	8.2mi																						
1705	07040006	108		MISSISSIPPI RIVER	4.3mi																						
1706	07040006	208		MISSISSIPPI R ABV LOCK/DAM	7.0mi																						
----- 07040008 Root River -----																											
1707	07040008	001		ROOT R	6.0mi																						
1708	07040008	002		ROOT R	11.3mi																						
1709	07040008	003		ROOT RIVER	3.6mi																						
1710	07040008	009		ROOT RIVER	16.9mi																						
1711	"	"	"	"																							
1712	07040008	010		ROOT RIVER	12.4mi																						

										--- Assessments ---										----- Pollution Kinds -----										-- Sources --									
										--Support- 3 -304-																													
OBS	HUC	SEG	LAKEID	RCHNAME	SIZE	ECOR	M	A	F	I	S	A	O	N	P	T	F	D	A	P	M	C	N	B	O	T	M	I	NPDES										
							E	L	C	W	L	d	L	M	S	I	R	C	O	N	H	X	T	2	T	D	X	U	N										
----- 07080201 Cedar River (Headwaters) -----																																							
1731	07080201	015		CEDAR R	4.0mi		M		NS		NS		L	M								3	5																
1732	07080201	016		CEDAR R	8.4mi		M	NS	NS	NS	NS		L	M		Y		F		N		3	5	9		21													
1733	07080201	018		CEDAR R	3.2mi		M		NS		NS		L	M								3	5																
1734	07080201	019		CEDAR R	1.4mi		M		NS		NS		L	M								3	5																
1735	07080201	020	50-0002	EAST SIDE	42ac	WCBP	M				NS	NS	L				H							9			M												
1736	07080201	023		CEDAR R	21.6mi		E	NS	PS	FS	NS		L	M					D			5																	
1737	07080201	109		TRIB TO LITTLE CEDAR R	11.2mi		E						L	M									7				M	MN0021261											
1738	07080201	121		CEDAR RIVER	0.6mi		M		NS		NS		L	M								3	5				M	MN0022683											
1739	07080201	122		ROBERTS CREEK	5.3mi		M	NS			NS	NS	L	M				F	D	N																			
1740	07080201	222		TRIB TO ROBERTS CREEK	9.2mi		M	FS			FS	FS																											
1741	07080201	321		CEDAR R ABV UPPER AUSTIN DA	4.9mi		E	FS	PS	NS	NS		L	M		Y		F				5	9		21														
1742	07080201	322		ROBERTS CREEK	7.1mi		M	NS			NS	NS	L					F	D																				
1743	07080201	422		TRIB TO ROBERTS CREEK	0.6mi		M	FS			FS	FS																											
1744	07080201	423		CR TO E FK CEDAR R	1.6mi		E						L	M									7			M	MN0023612												
1745	07080201	622		TRIB TO ROBERTS CREEK	0.6mi		M	FS			FS	FS																											
----- 07080202 Shell Rock River -----																																							
1746	07080202	009		SHELL ROCK R	9.8mi		M	NS			NS	NS	L	M		Y		F		N	B	5	9	12	21														
1747	07080202	011	24-0014	ALBERT LEA	2453ac	WCBP	M				NS	NS	L				H						9			M													
1748	07080202	013	24-0018-01	FOUNTAIN (EAST BAY)	320ac	WCBP	M		PS		NS	NS	L	M			H					3	9			M													
----- 07080203 Winnebago River -----																																							
1749	07080203	24-0030		STATE LINE	446ac	WCBP	E					NS	NS	L			H							9															
----- 07100001 Des Moines River (Headwaters) -----																																							
1750	07100001	17-0022		COTTONWOOD	152ac	WCBP	E				NS	NS	L				H							9															
1751	07100001	32-0057-01		HERON (NORTH MARSH)	400ac	WCBP	M				NS	NS	L				H							9			M												
1752	07100001	32-0057-02		HERON (DUCK LAKE) A	600ac	WCBP	M				NS	NS	L				H							9			M												
1753	07100001	32-0057-05		HERON (NORTH HERON)	2900ac	WCBP	M				NS	NS	L				H							9			M												
1754	07100001	32-0057-07		HERON (SOUTH HERON)	3500ac	WCBP	M				NS	NS	L				H							9			M												
1755	07100001	42-0047		YANKTON	382ac	NGP	M				NS	NS	L				H							9															
1756	07100001	51-0020		SECOND FULDA	61ac	WCBP	M				NS	NS	L				H							9															
1757	07100001	51-0021		FIRST FULDA	118ac	WCBP	M				NS	NS	L				H							9															
1758	07100001	51-0068		SUMMIT	77ac	WCBP	M				PS	PS	L				E							9															
1759	07100001	51-0082		CURRANT	394ac	NGP	M				NS	NS	L				H							9															
1760	07100001	53-0020		EAST GRAHAM	523ac	WCBP	E				NS	NS	L				H							9															
1761	07100001	53-0021		WEST GRAHAM	526ac	WCBP	M				NS	NS	L				H							9															
1762	07100001	001		W FK DES MOINES RIVER	33.4mi		E						L	M									7			M	MN0022217												
1763	07100001	005	51-0040	BLOODY 4 MI N OF	267ac	WCBP	M				NS	NS	L				H							9															
1764	07100001	005	51-0046	SHETEK 3 MI E OF	3351ac	WCBP	M		FS		NS	NS	L				H							9															
1765	07100001	006	51-0063	SARAH	1093ac	NGP	M				NS	NS	L				H							9															
1766	07100001	013	51-0081	WILSON	164ac	WCBP	M				NS	NS	L				H							9															
1767	07100001	101		DES MOINES R BLW WINDOM DAM	24.6mi		M	NS			NS	NS	D	L	M		Y		F	D	N	5	9	12	21														
1768	07100001	127		JD 3	2.2mi		E						L	M									7			M	MN0020427												
1769	07100001	131		OKABENA CREEK	11.0mi		M	NS			NS	NS	L	M		Y		F				5	9	12	21														
1770	07100001	231		OKABENA CREEK	8.4mi		M	NS			NS	NS	L					F	D																				
----- 07100002 Des Moines River (Estherville) -----																																							
1771	07100002	013		DES MOINES R	26.8mi		M	FS			NS	NS	L			Y		F						9	12	21													
----- 07100003 Clear -----																																							
1772	07100003	46-0096		CLEAR	273ac	WCBP	E				NS	NS	L				H							9															

										--- Assessments ---										Pollution Kinds										--- Sources ---									
										--Support- 3 -304-																													
										A F A O N										P T F D A P T P M C N B O																			
										M Q I S L 3										R C O N H X T 2 T										D X U N									
OBS	HUC	SEG	LAKEID	RCHNAME		SIZE	ECOR	E L C W L d L M S		I R C O N H X T 2 T		D X U N		NPDES																									
										07100003 East Fork Des Moines River																													
1773	07100003	019	46-0052	BRIGHT		648ac	WCBP	E		NS NS		L		H		9																							
1774	07100003	021		DES MOINES R, E BR		28.5mi		M NS		NS NS		L M		Y		5 9 12 21																							
1775	07100003	221		UNN TRIB TO E FK DES MOINES		5.3mi		M NS		NS NS		L		F D																									
										09020101 Bois de Sioux River																													
1776	09020101	010	78-0025	TRAVERSE		11528ac	NGP	E		FS NS NS		L		H		9																							
1777	09020101	114		RABBIT R		22.3mi		M NS		PS NS		L M		Y		9 12 21																							
										09020102 Mustinka River																													
1778	09020102		26-0282	LIGHTNING		500ac	NGP	M		NS NS		L		H		9																							
1779	09020102	005	75-0267	PETERSON SLOUGH		52ac	NGP	E		NS NS		L		H		9																							
1780	09020102	005	75-0268	LUNDBERG		91ac	NGP	E		NS NS		L		H		9																							
1781	09020102	010	26-0235	MUSTINKA R. FLOWAGE		106ac	NGP	M		ST ST				E																									
										09020103 Otter Tail River																													
1782	09020103		03-0107	TOAD		1666ac	NCHF	M		ST ST				E																									
1783	09020103		03-0134	GREEN WATER		71ac	NLF	E		FS FS				M																									
1784	09020103		03-0136	JUGGLER		365ac	NCHF	M		FS FS				O																									
1785	09020103		03-0153	ISLAND		1160ac	NCHF	M		FS FS				M																									
1786	09020103		03-0159	ELBOW		1001ac	NCHF	M		FS FS				M																									
1787	09020103		03-0163	LIZZIE		89ac	NCHF	E		FS FS				M																									
1788	09020103		03-0180	NORTH TWIN		139ac	NCHF	E		FS FS				M																									
1789	09020103		03-0189	LITTLE TOAD		345ac	NCHF	M		ST ST				E																									
1790	09020103		03-0286	COTTON		1668ac	NCHF	E		FS FS				M																									
1791	09020103		03-0358	FOX		135ac	NCHF	M		FS FS				M																									
1792	09020103		03-0359	SALLIE		1267ac	NCHF	M		PS ST PS		L M		E		5																							
1793	09020103		03-0383	LONG		357ac	NCHF	M		FS FS				O																									
1794	09020103		03-0386	LITTLE FLOYD		205ac	NCHF	E		FS FS				M																									
1795	09020103		03-0387	FLOYD		1234ac	NCHF	M		FS FS				M																									
1796	09020103		03-0475	MELISSA		1855ac	NCHF	M		FS FS				M																									
1797	09020103		03-0500	MAUD		540ac	NCHF	M		FS FS				M																									
1798	09020103		03-0503	EUNICE		324ac	NCHF	M		FS FS				O																									
1799	09020103		03-0506	LITTLE CORMORANT		924ac	NCHF	M		ST ST				E																									
1800	09020103																																						

										--- Assessments ---										Pollution Kinds										--- Sources ---									
										---Support- 3 -304-																													
OBS	HUC	SEG	LAKEID	RCHNAME	SIZE	ECOR	E	A	F	S	A	O	N	P	T	F	D	A	P	M	C	N	B	O	T	M	I	NPDES											
							Q	I	L	C	W	L	d	L	M	S	I	R	C	O	N	H	X	T	2	T	D	X	U	N									
							----- 09020103 Otter Tail River -----																																
1819	09020103		56-0307	NO NAME	44ac	NCHF	E																																
1820	09020103		56-0308	NO NAME	46ac	NCHF	E																																
1821	09020103		56-0328	LITTLE MCDONALD	1174ac	NCHF	M																																
1822	09020103		56-0358	SCALP (SEVEN) 1 M	244ac	NCHF	M																																
1823	09020103		56-0360	ROSE	1145ac	NCHF	M																																
1824	09020103		56-0369	SIX	181ac	NCHF	M																																
1825	09020103		56-0382	EAST TWIN	333ac	NCHF	M																																
1826	09020103		56-0383	DEAD	7901ac	NCHF	E																																
1827	09020103		56-0385	STAR	4721ac	NCHF	E																																
1828	09020103		56-0386-03	BIG MCDONALD (WEST	-ac	NCHF	E																																
1829	09020103		56-0388	LONG	1273ac	NCHF	M																																
1830	09020103		56-0449	PLEASANT	370ac	NCHF	M																																
1831	09020103		56-0475	PICKEREL	829ac	NCHF	M																																
1832	09020103		56-0476	MAINE	83ac	NCHF	E																																
1833	09020103		56-0569-01	NORWAY (EAST BAY)	217ac	NCHF	M																																
1834	09020103		56-0658	WALL	683ac	NCHF	M																																
1835	09020103		56-0684	FISH	888ac	NCHF	E																																
1836	09020103		56-0695	HEILBERGER 14 MI	224ac	NCHF	M																																
1837	09020103		56-0747-01	LIDA (MAIN BASIN)	5564ac	NCHF	E																																
1838	09020103		56-0749	CRYSTAL	1317ac	NCHF	E																																
1839	09020103		56-0759	FRANKLIN	1336ac	NCHF	E																																
1840	09020103		56-0781	SWAN	689ac	NCHF	M																																
1841	09020103		56-0784	LONG 11 MI N OF F																																			

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--- Assessments --- ---- Pollution Kinds ---- -- Sources --
--Support- 3 -304-

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OBS	HUC	SEG	LAKEID	RCHNAME	SIZE	ECOR	A E	M L	Q C	I W	S L	L d	3 L	M	S	N I	P R	T C	F O	D N	A H	P X	T T	E 2	L T	U T	O D	B X	M U	I N	NPDES	
----- 09020106 Buffalo River -----																																
1869	09020106		03-0350	BUFFALO	381ac	NCHF	M				FS	FS																				
1870	09020106		03-0619	LEE (TALLAC)	91ac	NCHF	M				ST	ST																				
1871	09020106		14-0030	FIFTEEN	139ac	NCHF	E				FS	FS																				
1872	09020106	009	03-0647	STINKING	370ac	NCHF	E				NS	NS		L												9			M			
----- 09020107 Red River of the North (Hillsboro) -----																																
1873	09020107	001		RED R	0.6mi		E		NS		NS			L	M										3	5						
1874	09020107	002		RED RIVER OF THE NORTH	14.4mi		E		NS		NS			L	M										3	5	7			M		MN0020770
1875	09020107	003		RED R	4.6mi		E		NS		NS			L	M										3	5						
1876	09020107	009		RED R	18.0mi		M	FS	PS	NS	NS			L	M		Y		F						3	5		9	12	21		
----- 09020108 Wild Rice River (MN) -----																																
1877	09020108		03-0323	STRAWBERRY	1522ac		E		PS		PS			L	M											5						
1878	09020108		03-0328	WHITE EARTH	2005ac	NCHF	M		PS		FS	PS		L	M											5						
1879	09020108		44-0001	SIMON	370ac	NCHF	M				FS	FS																				
1880	09020108		44-0003	TULABY	773ac	NCHF	M				FS	FS																				
1881	09020108		44-0014	SOUTH TWIN	1000ac	NCHF	E				FS	FS																				
1882	09020108	003		WILD RICE R	30.1mi		M	NS			PS	NS		L	M		Y		F		N	B				9			21			
1883	09020108	007	44-0023	NORTH TWIN	901ac	NCHF	E				ST	ST																				
----- 09020301 Red River of the North - Sandhill River -----																																
1884	09020301		60-0069	SAND HILL	598ac	NCHF	M				ST	ST																				
1885	09020301		60-0217	UNION	734ac	NCHF	M				FS	FS																				
1886	09020301		60-0305	MAPLE	1445ac	NCHF	M		PS		ST	PS		L	M											3	5					
1887	09020301	001		RED R	0.4mi		E		PS		PS			L	M											3	5					
1888	09020301	004		RED R	6.3mi		E	PS	NS	PS	NS			L	M		Y		F						3	5		9		21		
1889	09020301	008		RED R	14.8mi		E		NS		NS			L	M																	


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--- Assessments --- ---- Pollution Kinds ---- -- Sources --
--Support- 3 -304-

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A F A O N P M C N B O
 M Q I S L 3 P T F D A P T E L U O T M I
 R E L C W L d L M S I R C O N H X T 2 T D X U N NPDES

OBS	HUC	SEG	LAKEID	RCHNAME	SIZE	ECOR	E	L	C	W	L	d	L	M	S	I	R	C	N	H	X	T	2	T	D	X	U	N	NPDES
				09030001	Rainy River	(Headwaters)																							
1952	09030001		16-0328	IRON	105ac	NLF	E			FS	FS							M											
1953	09030001		16-0337	MAYHEW	202ac	NLF	E			FS	FS							O											
1954	09030001		16-0342	E. POPE	30ac	NLF	E			ST	ST							E											
1955	09030001		16-0356	GUNFLINT	4047ac	NLF	E		PS	FS	PS		L	M				M					5						
1956	09030001		16-0357	CRAB	91ac	NLF	E			FS	FS							O											
1957	09030001		16-0448	LOON	1197ac	NLF	M		PS	FS	PS		L	M				M					5						
1958	09030001		16-0460	LONG ISLAND	901ac	NLF	M			FS	FS							O											
1959	09030001		16-0463	MAGNETIC	431ac	NLF	M			FS	FS							O											
1960	09030001		16-0524	CHEROKEE	974ac	NLF	M			FS	FS							O											
1961	09030001		16-0526	CROSS BAY	52ac	NLF	M			FS	FS							O											
1962	09030001		16-0527	SNIPE	112ac	NLF	M			FS	FS							O											
1963	09030001		16-0535	HOWL	18ac	NLF	M			FS	FS							M											
1964	09030001		16-0537	HUBBUB	10ac	NLF	M			ST	ST							E											
1965	09030001		16-0538	COPPER	34ac	NLF	M			FS	FS							O											
1966	09030001		16-0544	RIB	82ac	NLF	M			FS	FS							O											
1967	09030001		16-0546	LOWER GEORGE	17ac	NLF	M			FS	FS							M											
1968	09030001		16-0569	GORDON	139ac	NLF	M			FS	FS							O											
1969	09030001		16-0571	FROST	236ac	NLF	M		PS	FS	PS		L	M				O					5						
1970	09030001		16-0580	GRANITE	302ac	NLF	M			FS	FS							O											
1971	09030001		16-0600	BRANDT	104ac	NLF	M			FS	FS							O											
1972	09030001		16-0602	FLYING	45ac	NLF	M			FS	FS							M											
1973	09030001		16-0603	GOTTER	21ac	NLF	M			FS	FS							M											
1974	09030001		16-0604	EDITH	10ac	NLF	M			FS	FS							M											

					--- Assessments ---										----- Pollution Kinds -----										--- Sources ---						
					--Support- 3 -304-																										
OBS	HUC	SEG	LAKEID	RCHNAME	SIZE	ECOR	A E	F L	S C	A W	O L	N d	P L	T M	F S	D L	A M	P S	C I	N R	M C	P H	T X	B T	O D	X T	M U	I N	NPDES		
					09030001	Rainy River	(Headwaters)																								
2004	09030001		38-0780	BROWNS	206ac	NLF	E			FS	FS																				
2005	09030001		38-0784	NEWTON	500ac	NLF	E			FS	FS																				
2006	09030001		38-0785	TIN CAN MIKE	147ac	NLF	E			FS	FS																				
2007	09030001		38-0786	SANDPIT	65ac	NLF	M		PS	FS	PS		L	M											5						
2008	09030001		38-0792	HORSE	647ac	NLF	E			FS	FS																				
2009	09030001		38-0810	CEDAR	489ac	NLF	E			FS	FS																				
2010	09030001		38-0811	FALL	2173ac	NLF	M		PS	FS	PS		L	M											5			M			
2011	09030001		38-0816	MOOSECAMP	190ac	NLF	E			FS	FS																				
2012	09030001		69-0004	WHITE IRON	3429ac	NLF	E		PS	ST	PS		L	M											5						
2013	09030001		69-0063	BASS	144ac	NLF	E			FS	FS																				
2014	09030001		69-0071	HIGH	277ac	NLF	E		ST	FS	ST																				
2015	09030001		69-0080	NELS	143ac	NLF	E			ST	ST																				
2016	09030001		69-0082	GRASSY	213ac	NLF	E			ST	ST																				
2017	09030001		69-0084	SLETTEN	18ac	NLF	M		PS	FS	PS		L	M											5						
2018	09030001		69-0086	LITTLE SLETTEN	14ac	NLF	E			ST	ST																				
2019	09030001		69-0088	WAGOSH	49ac	NLF	E			ST	ST																				
2020	09030001		69-0093	GUN	336ac	NLF	E			FS	FS																				
2021	09030001		69-0100	BOOT	308ac	NLF	E			FS	FS																				
2022	09030001		69-0115	BEAR ISLAND	2667ac	NLF	E		PS	FS	PS		L	M											5						
2023	09030001		69-0116	MITCHELL	241ac	NLF	E			ST	ST																				
2024	09030001		69-0119	FIRST	17ac	NLF	E			ST	ST																				
2025	09030001		69-0181	SLIM	296ac	NLF	E		PS	FS	PS		L	M											5						
2026	09030001		69-0190	BIG	1740ac	NLF	E		PS	FS	PS		L	M											5						
2027	09030001		69-0199	ED SHAVE	97ac	NLF	E			ST	ST																				
2028	09030001		69-0205	STUART	752ac	NLF	E		PS	FS	PS		L	M											5						
2029	09030001		69-0220	CRAB	219ac	NLF	E			FS	FS																				
2030	09030001		69-0224	LAC LA CROIX	34070ac	NLF	M		PS	FS	PS		L	M											5						
2031	09030001		69-0329	MEANDER	139ac	NLF	M		PS	FS	PS		L	M											5						
2032	09030001		69-0330	OYSTER	714ac	NLF	E		PS	FS	PS		L	M											5						
2033	09030001		69-0339	RAMSHEAD	480ac	NLF	E			ST	ST																				
2034	09030001		69-0342	ROCKY	114ac	NLF	E			FS	FS																				
2035	09030001		69-0343	HUSTLER	272ac	NLF	M		PS	FS	PS		L	M											5						
2036	09030001		69-0452	BOOTLEG	352ac	NLF	E			FS	FS																				
2037	09030001		69-0456	JEANETTE	293ac	NLF	M		PS	ST	PS		L	M											5						
2038	09030001		69-0461	SHELL	484ac	NLF	E			ST	ST																				
2039	09030001		69-0464	UPPER PAUNESS	215ac	NLF	E			ST	ST																				
2040	09030001		69-0470	LOON	2616ac	NLF	E		PS	FS	PS		L	M											5						
2041	09030001	006		BIRCH L	21.6mi		M	NS		FS	NS		L	M		Y									5			9			
2042	09030001	006	69-0003	BIRCH	7628ac	NLF	M		PS	ST	PS		L	M											3	5					
2043	09030001	006	69-0058	PERCH	91ac	NLF	E			ST	ST																				
2044	09030001	006	69-0061	ONE PINE	363ac	NLF	E			FS	FS																				
2045	09030001	006	69-0117	JOHNSON	465ac	NLF	E			FS	FS																				
2046	09030001	011		STONY R	36.8mi		M	NS		FS	NS		L			Y								A				9			
2047	09030001	011	38-0656	GREENWOOD	1469ac	NLF	E		PS	PS	PS		L	M											5			9			
2048	09030001	011	38-0659	SOUTH MCDUGAL	262ac	NLF	E			NS	NS		L															9			
2049	09030001	011	38-0664	DUNNIGAN	83ac	NLF	M		PS	FS	PS		L	M											5						
2050	09030001	011	38-0666	SLATE	235ac	NLF	M		PS	ST	PS		L	M											5						
2051	09030001	011	38-0673	HIGHLIFE	20ac	NLF	M		PS	ST	PS		L	M											5						
2052	09030001	011	38-0674	EAST CHUB	64ac	NLF	M		PS	FS	PS		L	M											5						
2053	09030001	011	38-0686	NORTH MCDUGAL	240ac	NLF	E			FS	FS																				
2054	09030001	011	38-0735	SAND	506ac	NLF	M		PS	ST	PS		L	M											5						
2055	09030001	013		KAWISHIWI R	5.1mi		M	NS		FS	NS		L	M		Y									5			9			

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--- Assessments --- ---- Pollution Kinds ---- -- Sources --
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A	F	A	O	N				P	M	C	N	B	O											
M	Q	I	S	L	3			P	T	F	D	A	P	T	E	L	U	O	T	M	I			
R	E	L	C	W	L	d	L	M	S	I	R	C	O	N	H	X	T	2	T	D	X	U	N	NPDES

[illegible]

										Assessments										Pollution Kinds										Sources									
										Support- 3 -304-																													
OBS	HUC	SEG	LAKEID	RCHNAME	SIZE	ECOR	A E	F L	I C	S W	A L	O L	3 d	N L	M S	P I	T R	F C	D O	A P	P T	E L	M C	N N	B U	O O	T D	M X	I U	NPDES									
					09030001	Rainy River	(Headwaters)																																
2108	09030001	021	38-0722	CLEAR	236ac	NLF	E				ST	ST										E																	
2109	09030001	021	38-0724	TOFTE	134ac	NLF	E				FS	FS										M																	
2110	09030001	021	38-0727	ELLA HALL	511ac	NLF	E				FS	FS										M																	
2111	09030001	021	38-0729	WOOD	643ac	NLF	E				FS	FS										M																	
2112	09030001	021	38-0741	PICKEREL	184ac	NLF	E				FS	FS										M																	
2113	09030001	022	16-0629	SEA GULL	3736ac	NLF	M		PS		FS	PS		L	M								5																
2114	09030001	023	38-0529	SNOWBANK	3303ac	NLF	M		PS		FS	PS		L	M								5																
2115	09030001	024	69-0069	SHAGAWA	2370ac	NLF	M		PS		ST	PS		L	M							E		5					M										
2116	09030001	025	69-0065	MINISTER	50ac	NLF	E				PS	PS		L								E			9														
2117	09030001	025	69-0066	LITTLE LONG	293ac	NLF	M				FS	FS										O																	
2118	09030001	025	69-0085	FENSKE	105ac	NLF	M				FS	FS										M																	
2119	09030001	025	69-0118	BURNTSIDE	10236ac	NLF	M		PS		FS	PS		L	M							O			3	5													
2120	09030001	025	69-0120	EVERETT	109ac	NLF	E				ST	ST										E																	
2121	09030001	025	69-0161	WOLF	299ac	NLF	E				FS	FS										M																	
2122	09030001	026	69-0604	DOVRE	120ac	NLF	E				FS	FS										M																	
2123	09030001	028	69-0213	TOE	484ac	NLF	E				FS	FS										O																	
2124	09030001	028	69-0350	GE-BE-ON-EQUAT	607ac	NLF	E		PS		FS	PS		L	M							O				5													
2125	09030001	028	69-0369	TAKUCMICH	320ac	NLF	E				FS	FS										O																	
2126	09030001	028	69-0481	FAT	102ac	NLF	M		PS		FS	PS		L	M							O				5													
2127	09030001	028	69-0484	LITTLE LOON	175ac	NLF	E				FS	FS										M																	
2128	09030001	028	69-0487	GUN	158ac	NLF	E																																

										--- Assessments ---										--- Pollution Kinds ---										--- Sources ---									
										--Support- 3 -304-																													
										A F A O N										P T F D A P T M C N B O																			
										M Q I S L 3																													
										E L C W L d L M S																													
OBS	HUC	SEG	LAKEID	RCHNAME	SIZE	ECOR	(Headwaters)																																
----- 09030001 Rainy River (Headwaters) -----																																							
2160	09030001	045	16-0793	RED ROCK	353ac	NLF	E	PS	FS	PS	L	M																											
2161	09030001	046	16-0610	MARABOEUF	902ac	NLF	M		FS	FS																													
2162	09030001	103	69-0150		32ac		E		FS	FS	L	M																											
2163	09030001	105		KEELY CREEK	6.2mi		M	NS	FS	NS	L																												
2164	09030001	541		BEAR ISLAND R	8.1mi		M	NS	FS	NS	L			Y																									
----- 09030002 Vermilion River (Rainy River) -----																																							
2165	09030002		69-0217	WEST ROBINSON	135ac	NLF	E		PS	PS	L																												
2166	09030002		69-0277	CLEAR	119ac	NLF	E		ST	ST																													
2167	09030002		69-0381	BUCK	194ac	NLF	E		FS	FS																													
2168	09030002		69-0448	PINE	912ac	NLF	E		ST	ST																													
2169	09030002		69-0457	NIGH	38ac	NLF	E		ST	ST																													
2170	09030002		69-0588	PAULINE	62ac	NLF	E		ST	ST																													
2171	09030002		69-0590	MAUDE	88ac	NLF	E		PS	PS	L																												
2172	09030002		69-0591	PICKET	312ac	NLF	E		FS	FS																													
2173	09030002		69-0598	ASTRID	109ac	NLF	E		ST	ST																													
2174	09030002		69-0615	ECHO	1054ac	NLF	E	PS	ST	PS	L	M																											
2175	09030002		69-0690	WINCHESTER	360ac	NLF	E		FS	FS																													
2176	09030002		69-0748	KJOSTAD	444ac	NLF	M	PS	FS	PS	L	M																											
2177	09030002		69-0755	MARION	163ac	NLF	E		FS	FS																													
2178	09030002		69-0764	SUNSET	309ac	NLF	E		ST	ST																													
2179	09030002		69-0802	HOODOO	252ac	NLF	E		FS	FS																													
2180	09030002	003																																					

				--- Assessments ---										----- Pollution Kinds -----										-- Sources --				
				---Support- 3 -304-																								
OBS	HUC	SEG	LAKEID	RCHNAME	SIZE	ECOR	A	F	I	S	L	3	N	P	T	F	D	A	P	T	E	L	U	O	T	M	I	NPDES
							M	Q	I	S	L	3	N	P	T	F	D	A	P	T	E	L	U	O	T	M	I	
							E	L	C	W	L	d	L	M	S	I	R	C	N	H	X	T	2	T	D	X	U	N
				09030006 Big Fork River																								
2255	09030006		31-0311	ERSKINE	39ac	NLF	M				FS	FS																
2256	09030006		31-0316	BASS	125ac	NLF	M		PS	FS	PS		L	M										5				
2257	09030006		31-0317	LARSON	187ac	NLF	M				FS	FS																
2258	09030006		31-0329	LITTLE HORSESHOE	11ac	NLF	M				PS	PS		L											9			
2259	09030006		31-0422	RUBY	229ac	NLF	M				FS	FS																
2260	09030006		31-0460	EAST	156ac		M		PS		PS		L	M										5				
2261	09030006		31-0480	GUNN	342ac	NLF	E				FS	FS																
2262	09030006		31-0481	HIGHLAND	102ac	NLF	M				FS	FS																
2263	09030006		31-0490	ELIZABETH	193ac		M		PS		PS		L	M											5			
2264	09030006		31-0524-02	COON (SE BAY (SANDW	285ac	NLF	E				FS	FS																
2265	09030006		31-0530	BUSTIES	252ac	NLF	M				ST	ST																
2266	09030006		31-0540	CLUBHOUSE	210ac	NLF	M				FS	FS																
2267	09030006		31-0616	EAST SMITH	145ac	NLF	E				FS	FS																
2268	09030006		31-0620	CARIBOU	251ac	NLF	M				FS	FS																
2269	09030006		31-0622	DEAD HORSE	97ac	NLF	E				ST	ST																
2270	09030006		31-0623	BOY	27ac	NLF	E				ST	ST																
2271	09030006		31-0624	GRAVE	503ac	NLF	E				FS	FS																
2272	09030006		31-0649	DOCK	30ac	NLF	E				FS	FS																
2273	09030006		31-0653	NORTH STAR	1052ac	NLF	E				FS	FS																
2274	09030006		31-0654	BURNS	144ac	NLF	E				FS	FS																
2275	09030006		31-0656	BIG DICK	246ac	NLF	M				FS	FS																
2276	09030006		31-0663	FOREST	36ac	NLF	E				FS	FS																
2277	09030006		31-0664	RANIER	72ac	NLF	M		PS		FS	PS		L	M										5			
2278	09030006		31-0666	UNNAMED	-ac	NLF	M				FS	FS																
2279	09030006		31-0671	BIG ISLAND 5 MI E	193ac	NLF	M				FS	FS																
2280	09030006		31-0679	LITTLE SMITH	27ac	NLF	E				FS	FS																
2281	09030006		31-0687	JOHNSON	305ac	NLF	E				FS	FS																
2282	09030006		31-0690	ASPEN	96ac	NLF	E		PS		FS	PS		L	M										5			
2283	09030006		31-0704	BATSON	110ac	NLF	E				FS	FS																
2284	09030006		31-0725	(BIG) TURTLE	2018ac	NLF	M				FS	FS																
2285	09030006		31-0726	BELLO	493ac	NLF	E		PS		FS	PS		L	M										5			
2286	09030006		31-0786	JESSIE	1635ac	NLF	M		PS		ST	PS		L	M										5			
2287	09030006		31-0913	ISLAND	2999ac	NLF	M				FS	FS																
2288	09030006	001		BIG FORK R	7.0mi		M	FS			FS	FS				Y								9		21		
2289	09030006	002		BIG FORK R	32.5mi		M	FS			FS	FS																
2290	09030006	008		BIG FORK R	5.4mi		E		PS		PS			L	M										5			
2291	09030006	009		BIG FORK R	32.5mi		E		PS		PS			L	M										5			
2292	09030006	009	31-0524-01	COON (NW BAY/COON L	310ac	NLF	E				FS	FS																
2293	09030006	009	31-0837	NOMA	59ac	NLF	M				FS	FS																
2294	09030006	009	31-0848	BEAVER	32ac	NLF	M				ST	ST																
2295	09030006	011	31-0882	DORA	735ac	NLF	M				ST	ST																
2296	09030006	012	31-0877	SQUAW	2158ac	NLF	E				ST	ST																
2297	09030006	014	31-0896	ROUND	2964ac	NLF	E		PS		NS	NS		L	M									5		9		
2298	09030006	015	31-0826	SAND	4306ac	NLF	E				ST	ST																
2299	09030006	016	31-0813	BOWSTRING	9220ac	NLF	M		PS		PS	PS		L	M									5		9		
2300	09030006	019	31-0188	LORRAINE	31ac	NLF	E				FS	FS																
2301	09030006	019	31-0334	DEER	1748ac	NLF	M				ST	ST																
2302	09030006	019	31-0339	PICKEREL	293ac	NLF	E				FS	FS																
2303	09030006	021		BEAR CR	20.0mi		M	FS			FS	FS				Y								9	12	21		
2304	09030007	001		RAPID R	7.2mi		M	FS			FS	FS				Y								9		21		

NOTES ON TABLE: This table includes those waterbodies identified by local resource managers as being impaired or threatened by nonpoint source pollution.

Respondents were asked to identify a waterbody if it is threatened or impaired by nonpoint source pollution. For the purposes of the survey, "impaired" waterbodies show definite signs of degradation, and "threatened" waterbodies may not show signs of degradation, but watershed conditions are likely to cause problems that will impair the waterbody.

The table of all assessed waterbodies is organized by hydrologic unit code (HUC). At the beginning of each HUC group is the name of the major watershed that corresponds to that HUC. County codes are also listed for each waterbody (CO). A table of county code numbers can be found on page 2.

A new survey was done in December, 1991. Prior to it, the old results were merged by CO HUC SEG AUXID where this combination was unique. Counties were asked to confirm, delete or update the old results (as merged if unique). Eight counties did not reply. Old results (8m= 86+87+89 merge; 8z= clarified old) were added to the table for those waterbodies without new information.

HUC/SEG	Hydrologic unit codes (HUCs) and segment numbers (SEGs) from the EPA reach system are included for stream segments and lakes described adequately to determine them. Stream reach names are entered in lowercase letters when the complete HUC and SEG are not determinable.
CO	County code numbers are given on page 2.
AUXID	Lake identification number from the system developed by the Minnesota Department of Natural Resources.
WBT	Waterbody types are L = lake, R = river, A = aquifer, and W = wetland.
RCHNAME	Waterbodies are listed by names supplied by those surveyed.
SIZE	The affected surface area or the stream length of the waterbody is estimated by the respondent. This information is presented in the measurement units and form used by the respondent.
NRMO	Number of resource management organizations (RMOs) which identified this waterbody as either threatened or impaired
NT	Number of resource management organizations (RMOs) which identified this waterbody as threatened
NI	Number of resource management organizations (RMOs) which identified this waterbody as impaired
BYR	Year of the first survey in which this waterbody was identified
EYR	Year of the most recent survey in which this waterbody was identified

In the remaining columns, the number of RMOs designating each response in each of the following categories is given.

POLLUTION KINDS, "Effects"	Respondents assessed nonpoint source pollution effects using a table of codes, Table A, page 3.
SOURCES	Respondents assessed nonpoint sources of pollution from a table of codes, Table B, page 3.
USES, ACTUAL	Respondents evaluated waterbodies for actual uses with codes from Table C, page 3.
USES, POTENTIAL	Respondents evaluated waterbodies for potential uses with codes from Table C, page 3.

COUNTY CODES

County	Code
Aitkin.....	1
Anoka.....	2
Becker.....	3
Beltrami.....	4
Benton.....	5
Big Stone.....	6
Blue Earth.....	7
Brown.....	8
Carlton.....	9
Carver.....	10
Cass.....	11
Chippewa.....	12
Chisago.....	13
Clay.....	14
Clearwater.....	15
Cook.....	16
Cottonwood.....	17
Crow Wing.....	18
Dakota.....	19
Dodge.....	20
Douglas.....	21
Faribault.....	22
Fillmore.....	23
Freeborn.....	24
Goodhue.....	25
Grant.....	26
Hennepin.....	27
Houston.....	28
Hubbard.....	29

County	Code
Isanti.....	30
Itasca.....	31
Jackson.....	32
Kanabec.....	33
Kandiyohi.....	34
Kittson.....	35
Koochiching.....	36
Lac Qui Parle.....	37
Lake.....	38
Lake of the Woods.....	39
Le Sueur.....	40
Lincoln.....	41
Lyon.....	42
McLeod.....	43
Mahnomen.....	44
Marshall.....	45
Martin.....	46
Meeker.....	47
Mille Lacs.....	48
Morrison.....	49
Mower.....	50
Murray.....	51
Nicollet.....	52
Nobles.....	53
Norman.....	54
Olmsted.....	55
Otter Tail.....	56
Pennington.....	57
Pine.....	58

County	Code
Pipestone.....	59
Polk.....	60
Pope.....	61
Ramsey.....	62
Red Lake.....	63
Redwood.....	64
Renville.....	65
Rice.....	66
Rock.....	67
Roseau.....	68
St. Louis.....	69
Scott.....	70
Sherburne.....	71
Sibley.....	72
Stearns.....	73
Steele.....	74
Stevens.....	75
Swift.....	76
Todd.....	77
Traverse.....	78
Wabasha.....	79
Wadena.....	80
Waseca.....	81
Washington.....	82
Watonwan.....	83
Wilkin.....	84
Winona.....	85
Wright.....	86
Yellow Medicine.....	87

TABLE A

Types of Nonpoint Source Effects

If the Effect is:	Indicate:
Oxygen depletion.....	A
Eutrophication (heavy algal blooms, etc).....	B
Bacteria contamination.....	C
Bottom sedimentation.....	D
Toxicity due to pesticides, dissolved metals, etc....	E
Turbid waters.....	F
Physical habitat alteration.....	G
Unknown.....	H
Other.....	I

TABLE C

Actual or Potential Uses

If the actual or potential use is:	Indicate:
Fishing (poor).....	S
Fishing (moderate).....	T
Fishing (good).....	U
Fishing (Unique)*.....	V
Swimming (poor).....	W
Swimming (good).....	X
Unknown.....	Y
Other.....	Z

* Consider a fishery unique if it represents a species uncommon to the area such as a trout fishery where warmwater conditions normally prevail or the waterbody supports an endangered or rare species.

TABLE B

NPS Categories

If the NPC category is:	Indicate:
Agriculture	
Non-irrigated crop production.....	11
Irrigated crop production.....	12
Specialty crop production (orchards etc.).....	13
Pasture land.....	14
Feedlots (total confinement).....	16
Animal holding/management areas.....	18
Agri-chemical application (pesticides & fertilizers).....	19
Silviculture	
Harvesting, reforestation, residue mgmt.....	21
Forest mgmt (herbicide application etc).....	22
Road construction/maintenance.....	23
Construction	
Highway/road/bridge.....	31
Land development.....	32
Urban Runoff	
Storm sewers.....	41
Surface runoff.....	43
Resource Extraction/Exploration/Development	
Surface mining.....	51
Subsurface mining.....	52
Mill tailings.....	56
Mine tailings.....	57
Land Disposal (Runoff/Leachate)	
Sludge.....	61
Wastewater.....	62
Landfills.....	63
Industrial land treatment.....	64
On-site wastewater systems (septic tanks).....	65
Hazardous wastes.....	66
Hydrologic/Habitat Modification	
Channelization.....	71
Dredging.....	72
Dam construction.....	73
Flow regulation/modification.....	74
Bridge construction.....	75
Removal of riparian vegetation.....	76
Streambank modification/destabilization.....	77
Other.....	80
Source Unknown.....	90

					----- Number of RMO's Designating -----																							
					Pollution*----- Sources -----**----- Uses -----*																							
					Kinds													Actual Poten-										
					'effects'1111111122223334445555666666777777789													tial										
HUC	SEG CO	AUXID	W B T	RCHNAME	S I E	N R O	M T	N I	Y R	E R	ABCDEFGHIJ0123468901230120130126701234560123456700STUVWXYZSTUVWXYZ																	
					----- huc missing -----																							
84	aqf-?	A	Buffalo Aquifer	all	6	4	1	91	91	3	4	1	5212236			1	2			1	5					4		4
71	aqf-112brdo	A		40ac	1	1	0	8m	8m	1			1							1						1		1
27	aqf-112brd0	A	Glacial Drift Aquif		4	1	2	8m	91	3	3	1	1	13						1141						3		2
71	aqf-112otsh	A			1	1	0	8m	8m	1	1		1							1	11					1		1
27	aqf-1120tsh	A	Glacial Drift Aquif		3	3	0	8m	8m	1	2		2	1						2121						2		1
20	aqf-344cdvl	A	Cedar Valley AquifSW		1	0	0	91	91	1			1	11						1						1		1
55	aqf-364glen	A	Galena Aqf		3	0	2	8m	91	2	3	12	3	1233	1		21			12	32					3		3
55	aqf-364stpr	A	St Peter Aqf		2	0	2	8m	91	2	2	2	2	12222	112	11	21			111122						2		2
85	aqf-371figv	A	Franconia-Ironton--		1	1	0	91	91	1		1	1	11111	111					1	1		1			1		1
55	aqf-371frnc	A	Franconia Aqf		1	1	0	8m	8m	1	1		1													1		1
27	aqf-371jrdn	A	Prairie Du Chien-j-		2	2	0	8m	8m	2	2	1	1	1111	1		1			11122						2		1
27	aqf-371mshk	A	Mt.simon-hinkley A-		1	1	0	8m	8m																	1		
85	aqf-371msmn	A	Mt. Simon Aquifer -		1	1	0	91	91		1	1	1	11111	111					1	1		1			1		1
23	aqf-378pdci	A	Prairie Du Chien/J-		1	0	1	8m	8m	1	1	11	1	111			1			11	11					1		1
27	aqf-378pdci	A	Prairie Due Chien--		2	1	1	8m	91	2	2	1	1	11111	111	11	1			111222						2		1
27	aqf-378pdjc	A	Prairie Du Chien-j-		1	1	0	8m	8m																	1		
02	02-0018w	W	Columbus Lk	37ac	1	0	1	8m	8m											1								
02	02-0086w	W	Unnamed	100ac	1	0	1	8m	8m		1					11				1						1		
02	02-0087w	W	Unnamed		1	0	1	8m	8m		1					1				11						1		
02	02-0088w	W	Leeman Lk (Unnamed)		1	0	1	8m	8m	1		1								11						1		
02	02-0107w	W	Frank Lk (Unnamed)	3.3ac	1	1	0	8m	8m		1					11									1		1	
02	02-0108w	W	Loch (Unnamed)	5.2ac	1	1	0	8m	8m		1					11									1		1	
02	02-0109w	W	Shack Eddy Lk	12ac	1	1	0	8m	8m		1					1									1		1	
02	02-0113w	W	Sunfish (Grass)	30ac	1	1	0	8m	8m		1	1				1									1		1	
					aaaaaaaaaaffffcccuuuueeeeddhhhhhhhhho?AAAAAAAAPPPPPPP																							
					ABCDEFGHIJ0123468901230120130126701234560123456700STUVWXYZSTUVWXYZ																							
02	02-0116w	W	Magnesium St. Pond	12ac	1	1	0	8m	8m		1					1										1		1
02	02-0117w	W	Industry Ave. Pond	40ac	1	1	0	8m	8m		1					1										1		1
02	02-0118w	W	Industry Ave. Pond	17ac	1	1	0	8m	8m		1					1										1		1
02	02-0119w	W	Mineral Pond (Unna)	12.1ac	1	1	0	8m	8m		1					11										1		1
02	02-0629w	W	(Unnamed)	1.3ac	1	1	0	8m	8m		1					11										1		1
02	02-0630w	W	(Unnamed)	53ac	1	1	0	8m	8m		1					11										1		1
02	02-0686w	W	Clover Pond (Unnam)	3ac	1	1	0	8m	8m	1	1					11												
02	02-0687	L	LaBelle Pond	9ac	1	1	0	91	91	1	1					11									1		1	
02	02-0688	L	Nature Cent. Ponds-		1	1	0	91	91		1					11									1		1	
02	02-630w	W	Sunny Acres Pond	53ac	1	1	0	8m	8m		1					11										1		1
03	03-?	L	E LaBelle Lk		1	0	1	91	91	11	1	1		1												1		1
03	03-0180w	W	North Twin Lk	146	1	1	0	91	91		1					1				1						1		1
08	08-?	L	Mound Cr Res		1	1	0	91	91	1	1	11		1	11	1				1						1		1
08	08-0060	L	Wood Lk		1	1	0	8m	8m		1					1									1			
10	10-0097w	W	Little Lk (Unnamed)	27ac	1	1	0	8m	8m	11	11		1		1											1		1
10	10-0120w	W	Smith Lk	23ac	1	1	0	8m	8m	11	11		1		1											1		1
11	11-?	L	Trillium Lk		1	1	0	91	91	11						1	1	1								1		1
13	13-0119	L	Cross Lk	1013	1	1	0	91	91	11		1		1		11				1		1	11		1	1	1	1
13	13-0142	L	Pokegama Lk	1621	1	1	0	91	91	11		1		1		11				1		1	11		1	1	1	1
15	15-0024w	W	Duncan Lk	30ac	1	1	0	91	91	11	11		1	11	1										1			
15	15-0039w	W	Clearbrook Lk	60ac	1	1	0	91	91	11	11		1	1	1											1		
15	15-0041w	W	Unnamed	25ac	1	1	0	91	91	11	11		1	1	1											1		
15	15-0049w	W	Unnamed	40ac	1	1	0	91	91	1	1		1	1	1	11												
15	15-0051w	W	Unnamed	30ac	1	1	0	91	91	1	11		1	1	1	1				1						1		

HUC	SEG	CO	AUXID	W B T	RCHNAME	S I Z E	N R M O T	B N Y I R	E Y R	Pollution*	Number of RMO's Designating Sources	*--**-- Uses ----*	
									Kinds	'effects'	Actual	Poten- tial	
									ABCDEF	GHIJ	KLMNOP	QRSTU	VWXYZ
15	15-	0053w	W Unnamed	40ac	1 1 0 91 91	1 1 1	1 1 1	1 1 1	1 1 1	1	1	1	
15	15-	0080w	W Moon Lk	100ac	1 0 1 91 91	1 1 1	1 1 1	1 1 1	1 1 1	1	1	1	
15	15-	0088w	W Unnamed	10ac	1 1 0 8m 8m	1 1	1	1	1	1	1	1	
15	15-	0089w	W Steenerson Lk	5ac	1 1 0 91 91	1	1	1	1	1	1	1	
15	15-	0143w	W Unnamed	20ac	1 1 0 8m 8m	1 1	1	1	1	1	1	1	
15	15-	0160w	W Talge Lk	20ac	1 1 0 91 91	1 1 1	1	1 1 1	1	1	1	1	
15	15-	0161w	W Larson Lk	10ac	1 1 0 8m 8m	1	1	1	1	1	1	1	
15	15-	0231	L Al Johnson Pond	15ac	1 1 0 91 91	1 1	1	1	1	1	1	1	
15	15-	0232w	W Unnamed	5ac	1 1 0 8m 8m	1 1	1	1	1	1	1	1	
15	15-	0233w	W Unnamed	10ac	1 1 0 8m 8m	1 1	1	1	1	1	1	1	
15	15-	0234w	W Unnamed	5ac	1 1 0 91 91	1 1	1	1 1 1	1	1	1	1	
15	15-	0235w	W Anderson Lk	5ac	1 1 0 8m 8m	1 1	1	1	1	1	1	1	
15	15-	0291w	W Unnamed	80ac	1 1 0 91 91	1 1	1	1 1 1	1	1	1	1	
15	15-	0292w	W Unnamed See 23 T14	40ac	1 1 0 8m 8m	1 1	1	1	1	1	1	1	
15	15-	0293	L Unnamed	160ac	1 1 0 91 91	1 1	1	1	1	1	1	1	
15	15-	0294w	W Unnamed	5ac	1 1 0 91 91	1	1	1	1	1	1	1	
15	15-	0298w	W Unnamed See 20 T14	10ac	1 1 0 91 91	1 1	1	1	1	1	1	1	
15	15-	0300w	W Unnamed	10ac	1 1 0 91 91	1 1	1	1	1	1	1	1	
15	15-	0301w	W Unnamed	5ac	1 1 0 91 91	1 1	1	1	1	1	1	1	
15	15-	0347w	W Unnamed	20	1 1 0 91 91	1 1	1	1	1	1	1	1	
15	15-	0353w	W Little Carver Lk	5ac	1 1 0 91 91	1 1	1	1	1	1	1	1	
15	15-	0447w	W Unnamed	40ac	1 1 0 91 91	1 1	1	1 1 1	1	1	1	1	
15	15-	0450w	W Unnamed	10ac	1 1 0 91 91	1 1	1	1 1	1	1	1	1	
15	15-	0452w	W Unnamed See 7 T14	840ac	1 1 0 91 91	1 1 1 1	1	1 1 1	1	1	1	1	
15	15-	0454w	W Unnamed See 19 T14	460ac	1 1 0 91 91	1 1	1	1	1	1	1	1	
aaaaaaaffffccuuueeeeddhhhhhho?AAAAAAAPPPPPP													
ABCDEFGHIJ123468901230120130126701234560123456700STUVWXYZSTUVWXYZ													
15	15-	0455w	W Unnamed	30ac	1 1 0 91 91	1 1	1	1	1	1	1	1	
17	17-	0042	L Oaks Lk	44	1 0 1 91 91	1 1 1	1	1 1	1	1	1	1	
18	18-	0085w	W Mud Lk	5	1 0 1 91 91	1	1	1	1	1	1	1	
19	19-	0024w	W Unnamed Wetland	19ac	1 1 0 8m 8m	1	1	1 1	1	1	1	1	
19	19-	0028w	W Unnamed Wetland	26ac	1 1 0 8m 8m	1	1	1 1	1	1	1	1	
19	19-	0039w	W Marcott #3 Lk	16	1 0 1 8m 8m	1	1	1	1	1	1	1	
19	19-	0040w	W Marcott #2 Lk	10ac	1 0 1 8m 8m	1	1	1	1	1	1	1	
19	19-	0045	L McGraarty Lk (Unna)	17ac	1 0 1 8m 8m	1	1	1	1	1	1	1	
19	19-	0048w	W Thompson Lk	10ac	1 0 1 8m 8m	1 1	1	1	1	1	1	1	
19	19-	0053w	W LP-30 (Unnamed)	9ac	1 0 1 8m 8m	1 1	1	1 1	1	1	1		

				----- Number of RMO's Designating -----													**----- Uses -----*	
				Pollution*----- Sources -----													Actual	Poten-
				Kinds														tial
				'effects'1111111222233344455555666666777777789														
HUC	SEG	CO	AUXID	W	RCHNAME	S	I	N	B	E	Y	R	Y	R	Y	R	Y	
				T		Z	M	N	N	Y	R	Y	R	Y	R	Y		
						E	O	T	I	R	Y	R	Y	R	Y	R		
				huc missing													STUVWXYZSTUVWXYZ	
19	19-0084w			W Lilly Lk	7ac	1	0	1	8m	8m	11	1					1	1
19	19-0085w			W Mud Lk	5ac	1	0	1	8m	8m	1	1					1	1
19	19-0086			L Unnamed	5ac	1	0	1	8m	8m	1	1					1	1
19	19-0087			L Unnamed	4ac	1	0	1	8m	8m	1	1					1	1
19	19-0088w			W Unnamed	3ac	1	0	1	8m	8m	1	1					1	1
19	19-0089			L Unnamed	6	1	0	1	8m	8m	1	1					1	1
19	19-0091			L Marthaler Pond (Un	4ac	1	0	1	8m	8m	1	1					1	1
19	19-0094			L Unnamed	3ac	1	0	1	8m	8m	1	1					1	1
19	19-0094w			W (unnamed)	3	1	0	1	8m	8m	1	1					1	1
19	19-0095			L Siedels Pond (Unna	4ac	1	0	1	8m	8m	1	1					1	1
19	19-0095w			W Siedels Pond (Unna	4	1	0	1	8m	8m	1	1					1	1
19	19-0097w			W Unnamed	7ac	1	0	1	8m	8m	1	1					1	1
19	19-0098w			W Unnamed	3ac	1	0	1	8m	8m	1	1					1	1
19	19-0100w			W Unnamed	5ac	1	0	1	8m	8m	1	1					1	1
19	19-0101w			W Unnamed	3ac	1	0	1	8m	8m	1	1					1	1
19	19-0102w			W Unnamed	8ac	1	0	1	8m	8m	1	1					1	1
19	19-0103			L Unnamed	100ac	1	0	1	8m	8m	1	1					1	1
19	19-0108w			W Unnamed	19ac	1	0	1	8m	8m	1	1					1	1
19	19-0114w			W Jp-6	-	1	0	1	91	91	11	1					1	1
19	19-0115w			W Unnamed Wetland	13ac	1	1	0	8m	8m	1						1	1
19	19-0116w			W Unnamed Wetland	13ac	1	1	0	8m	8m	1						1	1
19	19-0123w			W DP-12 (Unnamed)	5ac	1	0	1	8m	8m	1	1					1	1
19	19-0128w			W Cp-9	-	1	1	0	91	91							1	1
19	19-0144w			W JP-6 (Unnamed)	8ac	1	0	1	8m	8m	1	1					1	1
19	19-0150w			W AP-3 (Cedar Pond)	3ac	1	0	1	8m	8m	1	1					1	1
aaaaaaaaaffffccuuueeeeddhhhhhhho?AAAAAAAPPPPPPP																		
ABCDEFGHIJ0123468901230120130126701234560123456700STUVWXYZSTUVWXYZ																		
19	19-0152w			W Unnamed Wetland	10ac	1	1	0	8m	8m	1						1	1
19	19-0153w			W Heine Pond (Unname	8ac	1	0	1	8m	8m	1	1					1	1
19	19-0155w			W Quigley Lk (Carlso	16ac	1	0	1	8m	8m	11	1					1	1
19	19-0161w			W E. Thomas Lk	9ac	1	0	1	8m	8m	11	1					1	1
19	19-0169w			W LP-37 (Unnamed)	4ac	1	0	1	8m	8m	1	1					1	1
19	19-0170w			W Unnamed Wetland	6ac	1	1	0	8m	8m	1						1	1
19	19-0171w			W Unnamed Wetland	6ac	1	1	0	8m	8m	1						1	1
19	19-0172w			W Unnamed Wetland	13ac	1	1	0	8m	8m	1						1	1
19	19-0173w			W LP-20 (Unnamed)	8ac	1	0	1	8m	8m	1						1	1
19	19-0174w			W Unnamed Wetland	7ac	1	1	0	8m	8m	1						1	1
19	19-0175w			W Ap-34	-	1	0	1	91	91	11	1					1	1
19	19-0176w			W LP-5 (Unnamed)	5ac	1	0	1	8m	8m	1	1					1	1
19	19-0178w			W LP-13 (Unnamed)	13ac	1	0	1	8m	8m	11	1					1	1
19	19-0179w			W LP-14 (Unnamed)	5ac	1	0	1	8m	8m	11	1					1	1
19	19-0180w			W LP-15 (Unnamed)	7ac	1	0	1	8m	8m	11	1					1	1
19	19-0181w			W LP-66 (Unnamed)	1ac	1	0	1	8m	8m	1						1	1
19	19-0192w			W Unnamed Wetland	13ac	1	1	0	8m	8m	1						1	1
19	19-0193w			W Unnamed Wetland	16ac	1	1	0	8m	8m	1						1	1
19	19-0194w			W Unnamed Wetland	6ac	1	1	0	8m	8m	1						1	1
19	19-0195w			W Unnamed Wetland	6ac	1	1	0	8m	8m	1						1	1
19	19-0210w			W Unnamed Wetland	10ac	1	1	0	8m	8m	1						1	1
19	19-0211w			W Unnamed Wetland	16ac	1	1	0	8m	8m	1						1	1
19	19-0227w			W (unnamed)	4	1	0	1	8m	8m	1	1					1	1
19	19-0231w			W King Pond (Unname	4ac	1	0	1	8m	8m	1	1					1	1

HUC	SEG	CO	AUXID	W B T	RCHNAME	S I Z E	N R O T	B M N	E Y R	Kinds	'effects'	Pollution*	Number of Known Designating Sources	Uses			
										Actual	Poten-	tial					
										ABCDEF	GHIJ	KLMNOP	QRSTU	VWXYZ	STUVWXYZ	STUVWXYZ	
19	19-0232w	W Unnamed	5ac	1	0	1	8m	8m	1	1			1	1	1		
19	19-0233w	W Antique Pond (Unna	8ac	1	0	1	8m	8m	1	1			1	1	1		
19	19-0234w	W Owens Pond (Unname	4ac	1	0	1	8m	8m	1	1			1	1	1		
19	19-0235w	W Unnamed	3ac	1	0	1	8m	8m	1	1				1	1		
19	19-0237w	W Unnamed	5ac	1	0	1	8m	8m	1	1				1	1		
19	19-0241w	W Unnamed	10ac	1	0	1	8m	8m	1	1				1	1		
19	19-0245w	W Gun Club Pond (Unn	7ac	1	0	1	8m	8m	1	1			1	1	1		
19	19-0246w	W Unnamed	4	1	0	1	8m	8m	1	1				1	1		
19	19-0256w	W FP-9 (Unnamed)	8ac	1	0	1	8m	8m	1	1			1	1	1		
19	19-0259w	W Burr Oak Pond	-	1	0	1	91	91	1	1			1	1	1		
19	19-0263w	W Unnamed	5ac	1	0	1	8m	8m	1	1				1	1		
19	19-0264w	W Unnamed	5ac	1	0	1	8m	8m	1	1				1	1		
19	19-0267w	W Unnamed	5ac	1	0	1	8m	8m	1	1				1	1		
19	19-0269w	W Simley H.S. Pond	(3ac	1	0	1	8m	8m	1	1			1	1	1		
19	19-0272w	W Unnamed	7ac	1	0	1	8m	8m	1	1				1	1		
19	19-0274w	W Unnamed	2.5ac	1	0	1	8m	8m	1	1				1	1		
19	19-0275w	W Unnamed	2.5ac	1	0	1	8m	8m	1	1				1	1		
19	19-0276w	W Unnamed	2.5ac	1	0	1	8m	8m	1	1				1	1		
19	19-0277w	W Unnamed	5ac	1	0	1	8m	8m	1	1				1	1		
19	19-0281w	W Unnamed	5ac	1	0	1	8m	8m	1	1				1	1		
19	19-0285w	W Unnamed	8ac	1	0	1	8m	8m	1	1				1	1		
19	19-0291w	W Unnamed Wetland	4ac	1	1	0	8m	8m	1	1				1	1		
19	19-0292w	W LP-48 (Unnamed)	5ac	1	0	1	8m	8m	1	1			1	1	1		
19	19-0295w	W Unnamed	5ac	1	0	1	8m	8m	1	1			1	1	1		
19	19-0296w	W Unnamed	-	1	0	1	8m	8m	1	1			1	1	1		
										aaaaaaaaaffffcccuuuueeeeddddddhhhhhho?	AAAAAAAAAPPPPPP	ABCDEF	GHIJ	KLMNOP	QRSTU	VWXYZ	STUVWXYZ
19	19-0298w	W Unnamed	9ac	1	0	1	8m	8m	1	1				1	1		
19	19-0301w	W Unnamed	5ac	1	0	1	8m	8m	1	1				1	1		
19	19-0303w	W Unnamed	5ac	1	0	1	8m	8m	1	1			1	1	1		
19	19-0308w	W LP-22 (Unnamed)	30ac	1	0	1	8m	8m	1	1				1	1		
19	19-0310w	W Unnamed	16ac	1	0	1	8m	8m	1	1			1	1	1		
19	19-0359w	W Unnamed Wetland	10ac	1	1	0	8m	8m	1	1				1	1		
19	19-0360w	W Unnamed Wetland	8ac	1	1	0	8m	8m	1	1			1	1	1		
19	19-0361w	W Unnamed Wetland	5ac	1	1	0	8m	8m	1	1			1	1	1		
19	19-0362w	W Unnamed Wetland	6ac	1	1	0	8m	8m	1	1			1	1	1		
19	19-0364w																

			----- Number of RMO's Designating -----										Pollution*----- Sources -----**		Uses -----*																				
			Kinds										Actual		Poten-																				
			'effects'111111122223334445555666666777777789										Actual		Poten-																				
HUC	SEG	CO	AUXID	W	RCHNAME	Z	I	M	N	Y	B	E	Y	ABC	DEF	GHI	IO1	234	567	890	123	456	789	012	345	678	901	STU	VWX	YZ	STU	VWX	YZ		
				T		E	O	T	I	R	R	R	R	huc	missing																				
	27	27-0249w		W	Wetland	16ac	1	0	1	8m	8m			1																					
	27	27-0501w		W	Thomas Lk	-	1	1	0	8m	8m			11																					
	27	27-0559w		W	Unnamed	8ac	1	0	1	8m	8m			1																					
	27	27-0560w		W	Unnamed	26ac	1	0	1	8m	8m			1																					
	27	27-0562w		W	Unnamed	17ac	1	0	1	8m	8m			1																					
	27	27-0563w		W	Unnamed	130ac	1	0	1	8m	8m			1																					
	27	27-0593		L	Curtis Lk	31ac	1	0	1	8m	8m			1																					
	27	27-0593w		W	Curtis Lk	31ac	1	0	1	8m	8m			1																					
	27	27-0634		L	Success Lk (Unname	8ac	1	0	1	8m	8m			1																					
	27	27-0655		L	Loring Lk	-	1	1	0	91	91			1																					
	27	27-1045		L	Normandale Lk	107ac	1	0	1	91	91			1																					
	28	28-0006		L	Hayshore Lk	-	1	1	0	91	91			1111																					
	31	31-0077w		W	Spot Lk	25ac	1	1	0	8m	8m			1																					
	34	34-0054w		W	Hubbard Lk	44ac	1	0	1	91	91			11																					
	35	35-0005w		W	Stella Lk	25ac	1	0	1	91	91			11111111																					
	35	35-0006		L	Twistal Swamp	1700ac	1	1	0	91	91																								

			Number of RMO's Designating										*----- Sources -----*		*----- Uses -----*						
			Pollution*-----										Actual		Potential						
			Kinds																		
			'effects'11111111222233344455556666667777777789																		
			ABCDEFGHIJ0123468901230120130126701234560123456700STUVWXYZSTUVWXYZ																		
HUC	SEG	CO	AUXID	W B T	RCHNAME	S I Z E	N R O T	M N T	B Y R	E Y R	huc missing										
65	65-0004w	W	Unknown	-	1	1	0	91	91	11	11111										
65	65-0082w	W	Unknown	-	1	1	0	91	91	11	11111										
65	65-0117w	W	Unknown	-	1	1	0	91	91	11	11111										
65	65-0144w	W	Unknown	-	1	1	0	91	91	11	11111										
66	66-0095	L	Lyman Lk	-	1	0	1	8m	8m	1	1111	1	1	1	1	1	1	1			
68	68-0021	L	Hank's Lk	60ac	1	1	0	8m	8m	1	11	1	1	11	1	1	1	1			
69	69-?	L	Dewy Lk	-	1	0	0	91	91					1							
69	69-1012	L	Bryan Lk	.5mi	1	1	0	8m	8m	1				1	1	1	1				
69	69-1012w	W	Bryan Lk	-	1	1	0	8m	8m	1				1	1	1	1				
70	70-0003w	W	Unnamed	40	1	1	0	8m	8m		1		1	1		1	1				
70	70-0059w	W	Wetland	-	1	1	0	8m	8m	1	1		1	1	11		1				
70	70-0065w	W	Buck Lk	3402ac	1	0	1	8m	8m	1			1	1	1		1				
70	70-0067w	W	Wetland	-	1	1	0	8m	8m	1	1		1	1	11		1				
70	70-0068w	W	Wetland	-	1	1	0	8m	8m	1	1		1	1	11		1				
70	70-0077w	W	Wetland	-	1	0	1	8m	8m	1	1		1	1	11		1				
70	70-0112w	W	Wetland	-	1	1	0	8m	8m	1	1		1	1	11		1				
70	70-0145w	W	Wetland	-	1	1	0	8m	8m	1		1				11	1				
70	70-0153w	W	Wetland	-	1	1	0	8m	8m	1	1					11	1				
70	70-0168w	W	Wetland	-	1	1	0	8m	8m	1	1		1	1	11		1				
70	70-0173w	W	Wetland	-	1	1	0	8m	8m	1	1					11	1				
70	70-0180w	W	Wetland	-	1	1	0	8m	8m	1	1					11	1				
70	70-0181w	W	Wetland	-	1	1	0	8m	8m	1	1					11	1				
70	70-0183w	W	Wetland	-	1	1	0	8m	8m	1	1					11	1				
70	70-0186w	W	Wetland	-	1	1	0	8m	8m	1	1		1	1	11		1				
70	70-0191w	W	Wetland	-	1	1	0	8m	8m	1	1		1	1	11		1				
aaaaaaaaaffffcccuueeeeeeddddddhhhhhhho?AAAAAAAAAPPPPPPP																					
ABCDEFGHIJ0123468901230120130126701234560123456700STUVWXYZSTUVWXYZ																					
70	70-0192dw	W	Unnamed	-	1	1	0	8m	8m	1	1		1	1	11		1				
72	70-0192w	W	Wetland	-	1	1	0	8m	8m	1	1		1	1	11		1				
70	70-0193w	W	Wetland	-	1	1	0	8m	8m	1	1		1	1	11		1				
70	70-0194w	W	Wetland	-	1	1	0	8m	8m	1	1		1	1	11		1				
70	70-0206w	W	Wetland	-	1	1	0	8m	8m	1	1		1	1	11		1				
70																					

				Number of RMO's Designating										Pollution*		Sources		Uses	
HUC	SEG	CO	AUXID	W B T	RCHNAME	S I Z E	N R O T	M N T	B Y I R	E Y R	Kind 'effects'	111111112222333444555556666666777777789	111111112222333444555556666666777777789	Actual	Poten-				

04010201 St. Louis River																			
04010201	69	69-0700	L Maple Leaf Lk	109		1	0	1	8m	8m	1			1	1	1			
04010201	69	69-0717	L Elbow Lk	-		1	0	1	8m	8m	11		1	1	1	1			
04010201	69	69-0721	L Majestic Lk	-		1	1	0	8m	8m	11	1	1	1	1	1			
04010201	69	69-0763	L Doherty Lk	71		1	0	0	91	91									
04010201	69	69-0775	L McQuade Lk	178		1	0	0	91	91									
04010201	69	69-0781	L Kinney Pit	36ac		1	1	0	91	91		11							
04010201	69	69-0840	L Six Mile Lk	92ac		1	0	1	91	91	1								
04010201	69	69-0857	L Longyear K1	3mi		1	1	0	8m	8m	11	1		11					
04010201	69	69-0857-01	L Longyear Lk	-		1	1	0	8m	8m	111	1		1	1	1			
04010201	69	69-0857-02	L Longyear Lk	-		1	1	0	8m	8m	111	1		1	1	1			
04010201	69	69-0887	L Janette Lk	135		1	0	0	91	91									
04010201	003	69	R ST LOUIS R			2	1	1	8m	8m	121211		1	11	11	12			
04010201	004	09	R ST LOUIS R			1	0	1	8m	8m	1	1							
04010201	005	09	R ST LOUIS R			1	0	1	8m	8m	1	1							
04010201	006	69	R ST LOUIS R	18mi		2	1	1	8m	8m	121211		1	11	11	12			
04010201	007	09	R ST LOUIS R			1	0	1	8m	8m	1	1							
04010201	008	09	R ST LOUIS R	30mi		1	0	1	8m	8m	1	1							
04010201	009	09	R ST LOUIS R			2	0	2	8m	8m	121		1	1	11	11			
04010201	010	09	R MIDWAY R	-		1	1	0	8m	8m	1111	1		111					
04010201	011	09	R ST LOUIS R	-		2	0	2	8m	8m	1121		1	1	112	1			
04010201	012	69	L Pike Lk	508		1	1	0	8m	8m	11								
04010201	013	69	R ST LOUIS R			1	0	1	8m	8m	11		1		1	1			
04010201	014	69	R ST LOUIS R			1	0	1	8m	8m	11		1		1	1			
04010201	016	69	R ST LOUIS R			1	0	1	8m	8m	11		1		1	1			
04010201	017	69	R ST LOUIS R			1	0	1	8m	8m	11		1		1	1			
aaaaaaaaffffccuuuuueeeeddddddhhhhhhho?AAAAAAAAPPPPPPP																			
ABCDEFGHI0123468901230120130126701234560123456700STUVWXYZSTUVWXYZ																			

04010201	018	69	R ST LOUIS R			1	0	1	8m	8m	11		1		1	1			
04010201	019	69	R ST LOUIS R	50mi	</														

										Number of RMO's Designating Sources										Pollution*-----Kinds 'effects'										Actual Potential Uses																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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07010204	47	47-0082	L Dunns Lk	150	1 0 1 91 91	11111	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
07010204	47	47-0088	L Richardson Lk	127	1 0 1 91 91	11111	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
07010204	47	47-0102	L Round Lk	280	1 0 1 91 91	11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
07010204	47	47-0183	L Hope Lk	638	1 0 1 91 91	111	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
07010204	47	47-0193	L Wilcox Lk	193	1 0 1 91 91	11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
07010204	47	47-0194	L Miller Lk	96	1 0 1 91 91	11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
07010204	47	47-0198	L Peterson Lk	143	1 0 1 91 91	111	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
07010204	73	73-0196	L Rice Lk	1600ac	1 0 1 91 91	11111111	11	1111	11	1111	11	1111	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
07010204	73	73-0258	L George Lk	all	1 0 1 91 91	11	1	11	11	11	1	11	11	1	1	11	11	1	1	11	11	1	1	11	11	1	1	11	11	1	1	11	11	1	1
07010204	73	73-0278	L Tamarack Lk	all	1 0 1 91 91	11	1	11	11	11	1	11	11	1	1	11	11	1	1	11	11	1	1	11	11	1	1	11	11	1	1	11	11	1	1
07010204	73	73-0279	L Crow Lk	all	1 0 1 91 91	11	1	11	11	11	1	11	11	1	1	11	11	1	1	11	11	1	1	11	11	1	1	11	11	1	1	11	11	1	1
07010204	86	86-0001	L Foster Lk	124ac	1 1 0 91 91	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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HUC	SEG	CO	AUXID	W B T	RCHNAME	E	O	T	I	R	R	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

HUC	SEG CO	AUXID	W B T	RCHNAME	S I Z E	N R M N Y Y	B E Y Y	Pollution*	Number of RMO's Designating	*-- Sources *	Actual Uses	Poten-
					E	O T I R R	R	Kinds			tial	ential
								'effects'	11111112222333444555566666777777789			
								ABCDEFHIO123468901230120130126701234560123456700STUVWXYZSTUVWXYZ				
07010206	27	27-0127	L	French Lk	218ac	1 0 1 91 91	1	1			1	1
07010206	27	27-0128	L	Hayden Lk	-	1 1 0 8m 8m	1	1			1	1
07010206	27	27-0130	L	Powers Lk	-	1 1 0 8m 8m	1	1			1	1
07010206	27	27-0134	L	Mooney Lk	118ac	1 0 1 8m 8m	11 1	1 1		1 1	1	1
07010206	27	27-0137	L	Christmas Lk	-	1 0 0 8m 8m	1	1			1	1
07010206	27	27-0139	L	Forest Lk	127ac	1 1 0 8m 8m	1	1		11	1	1
07010206	27	27-0151	L	Sarah Lk	586ac	1 0 1 91 91	1	1 11		1	1 1	1 1 1
07010206	27	27-0156	L	Thies Lk	11ac	1 1 0 8m 8m	1	1 1			1	1
07010206	27	27-0157	L	Wolsfeld Lk	45ac	1 0 1 8m 8m	1	1 1			1	1
07010206	27	27-0158	L	Holy Name Lk	80ac	1 0 1 8m 8m	11	1 1			1	1
07010206	27	27-0160	L	Long Lk	320ac	1 0 1 8m 8m	11	11 1 1 1		11 11	1	1
07010206	27	27-0161	L	Dickeys Lk	13ac	1 1 0 8m 8m	1	1			1	1
07010206	27	27-0175	L	Heny Lk	-	1 1 0 8m 8m	1	1 1 1			1	1
07010206	27	27-0179	L	Little Long	65ac	1 1 0 91 91	1	1			1 1	1 1
07010206	27	27-0181	L	Dutch Lk	241ac	1 1 0 8m 8m	1	1 1 1		11	1	1
07010206	27	27-0182	L	Langdon Lk	182ac	1 0 1 8m 8m	11 1	1		11	1 1	1 1
07010206	27	27-0185	L	Whaletail Lk	582ac	1 0 1 91 91	1	1 1			1	1
07010206	27	27-0656	L	Twin Lk	13ac	1 0 1 8m 8m	11 1111	11 11			1	1
07010206	62	62-0001	L	Silver Lk	70ac	1 0 1 8m 8m	1 1	11			1 1 1	1 1
07010206	62	62-0002	L	Bald Eagle Lk	10120ac	1 0 1 8m 8m	11 1	11		1 1	1111 1	1 1
07010206	62	62-0006	L	Kohlman Lk	84ac	1 0 1 8m 8m	1 1	11			1 1	1 1
07010206	62	62-0007	L	Lk Gervais	234ac	1 0 1 8m 8m	1 1 1	11 11			1 1 1	1 1
07010206	62	62-0010	L	Keller Lk	72ac	1 0 1 8m 8m	1 1	11			1 1	1 1
07010206	62	62-0011	L	Wakefield Lk	23ac	1 0 1 8m 8m	1 1	11			1 1	1 1
07010206	62	62-0012	L	Round Lk	23ac	1 0 1 8m 8m	1 1	11			1 1	1 1
aaaaaaaaffffccuuueeeeddhhhhhho?AAAAAAAAAPPPPPP ABCDEFHIO123468901230120130126701234560123456700STUVWXYZSTUVWXYZ												
07010206	62	62-0013	L	Lk Phalen	153	1 0 1 91 91	1 1	11 11			1 1	1 1
07010206	62	62-0016	L	Beaver Lk	65ac	1 0 1 8m 8m	11 1	11			1 1	1 1
07010206	62	62-0024	L	Birch Lk	127ac	1 0 1 8m 8m	1	1			1	1
07010206	62	62-0028	L	Sucker Lk	59ac	1 1 0 91 91	1111	1 11		1	1	1
07010206	62	62-0036	L	Priebe Lk	6ac	1 0 1 8m 8m	1	1			1	1
07010206	62	62-0038-01	L	Vadnais Lk	477ac	1 1 0 8m 8m	1111	1 11		1 1	1	

				Number of RMO's Designating										*--*--*--*											
				Sources										Actual		Poten-									
				Pollution*										Uses		-----*									
				Kinds																					
				'effects'																					
				11111111222233344455556666667777777789																					
				ABCDEFGHIJ0123468901230120130126701234560123456700STUVWXYZSTUVWXYZ																					
HUC	SEG	CO	AUXID	W B T	RCHNAME	E	S I Z E	N R M N Y	B E Y	E Y															
----- 07020001 Minnesota River (Headwaters) -----																									
07020001	013	37		R	MARSH L		1	0	1	91	91	1	11111	1	11	11		1	1	1	1	1	1	1	1
07020001	016	06		R	MARSH L (MINNESOTA-		2	1	1	91	91	1	1	21	11	1		2	1		2	1			
07020001	017	06		R	MARSH L (MINNESOTA		2	1	1	91	91	1	1	21	11	1		2	1		2	1			
07020001	018	06		R	MINNESOTA R		2	1	1	91	91	1112221	1	22	2112										
07020001	019	06		R	MINNESOTA R		2	1	1	91	91	1112221	1	22	2112		1	1	22	111	22	2	111	2	111
07020001	020	06		R	MINNESOTA R		2	1	1	91	91	1112221	1	22	2112		1	1	22	111	22	2	111	2	111
07020001	022	06	06-0152	L	Big Stone Lk	729800a	1	0	1	91	91	1111	1	1	11	1111	1	11	1	1	1	1	1	1	1
07020001	028	78		R	LITTLE MINNESOTA R2mi		1	1	0	91	91	11	111	1	1	1		1	1						
07020001	036	37		R	YELLOW BANK R		1	0	1	91	91	1111111	1	11	1	11		1	11	1	111	1	1		1
07020001	037	37		R	YELLOW BANK R, N F-		1	0	1	91	91	1111111	1	11	1	11		1	11	1	111	1	1		1
07020001	038	37		R	YELLOW BANK R, S F		1	0	1	91	91	1111111	1	11	1	11		1	11	1	111	1	1		1
07020001	042	12		R	L QUI PARLE (MINNE		1	1	0	91	91														
07020001	046	37		R	MARSH L (MINNESOTA		1	0	1	91	91	1		1											
----- 07020002 Pomme de Terre River -----																									
07020002	06	06-0002		L	Artichoke Lk	201lac	1	1	0	91	91	1	1	1	1				1	1	1				
07020002	21	21-0353		L	Anka Lk	200	1	0	1	91	91	11	1	1	1	1	1		1			1			
07020002	21	21-0355		L	Ina Lk	220	1	0	1	91	91	11	1	1	1	1	1		1			1			
07020002	21	21-0375		L	Christina Lk	3950	1	0	1	91	91	11	1	11	1	1	11	1	1			1	1		1
07020002	56	56-0253		L	Eagle Lk	853	1	1	0	91	91	1	1	1	1111			1							

[illegible]

HUC	SEG	CO	AUXID	W B T	RCHNAME	S I Z E	N R O T	B M N	E Y Y	Pollution Kinds 'effects'	Number of RMO's Designating Sources	Actual Uses	Poten- tial					
						Z E	O T	I R	R R	ABCEFGHI0123468901230120130126701234560123456700STUVWXYZSTUVWXYZ								
07020005 Chippewa River																		
07020005	21	21-0079	L Maple Lk		835ac	1	1	0	91	91	1	1	1	1	1	1	1	1
07020005	21	21-0145	L Chippewa Lk		1760	1	1	0	91	91	1	1	1	1	1	1	1	1
07020005	21	21-0154	L South Oscar Lk		55ac	1	1	0	91	91	1	1	1	1	1	1	1	1
07020005	21	21-0156	L North Oscar Lk		256ac	1	1	0	91	91	1	1	1	1	1	1	1	1
07020005	21	21-0160	L Rachel Lk		380ac	1	1	0	91	91	1	1	1	1	1	1	1	1
07020005	21	21-0162	L Freeborn Lk		all	1	0	1	91	91	1	1	1	1	1	1	1	1
07020005	21	21-0171	L Mattson Lk		264ac	1	0	1	91	91	1	1	1	1	1	1	1	1
07020005	21	21-0177	L West Olaf Lk		54ac	1	0	1	91	91	1	1	1	1	1	1	1	1
07020005	21	21-0178	L East Olaf Lk		102ac	1	0	1	91	91	1	1	1	1	1	1	1	1
07020005	21	21-0185	L Minister Lk		97ac	1	0	1	91	91	1	1	1	1	1	1	1	1
07020005	21	21-0187	L Williams Lk		261ac	1	0	1	91	91	1	1	1	1	1	1	1	1
07020005	21	21-0189	L Gilbert Lk		51ac	1	0	1	91	91	1	1	1	1	1	1	1	1
07020005	21	21-0190	L Elizabeth Lk		76ac	1	0	1	91	91	1	1	1	1	1	1	1	1
07020005	21	21-0208	L Lower Hunt Lk		120ac	1	0	1	91	91	1	1	1	1	1	1	1	1
07020005	21	21-0213	L Devils Lk		221ac	1	0	1	91	91	1	1	1	1	1	1	1	1
07020005	21	21-0216	L Whiskey Lk		162ac	1	0	1	91	91	1	1	1	1	1	1	1	1
07020005	21	21-0222	L Aldrich Lk		178ac	1	0	1	91	91	1	1	1	1	1	1	1	1
07020005	21	21-0226	L Moon Lk		127Aac	1	0	1	91	91	1	1	1	1	1	1	1	1
07020005	21	21-0230	L Long Lk		190ac	1	0	1	91	91	1	1	1	1	1	1	1	1
07020005	21	21-0231	L Nelson Lk		102ac	1	0	1	91	91	1	1	1	1	1	1	1	1
07020005	21	21-0233	L Upper Hunt Lk		106ac	1	0	1	91	91	1	1	1	1	1	1	1	1
07020005	21	21-0242	L Lk Aaron		545ac	1	0	1	91	91	1	1	1	1	1	1	1	1
07020005	21	21-0245	L Lk Moses		822ac	1	0	1	91	91	1	1	1	1	1	1	1	1
07020005	21	21-0257	L Lake Oscar		806ac	1	0	1	91	91	1	1	1	1	1	1	1	1
07020005	21	21-0261	L Lake Thorstad		276ac	1	0	1	91	91	1	1	1	1	1	1	1	1
aaaaaaaaffffcccuuuueeeeddddddhhhhhho?AAAAAAAAPPPPPP																		
ABCEFGHI0123468901230120130126701234560123456700STUVWXYZSTUVWXYZ																		
07020005	21	21-0274	L Eng Lk		185ac	1	0	1	91	91	1	1	1	1	1	1	1	1
07020005	21	21-0281	L Roland Lk		88ac	1	0	1	91	91	1	1</						

HUC	SEG CO	AUXID	W B T	RCHNAME	S I Z E	N M N Y O T I R	B E Y R	Pollution*	Number of RMO's Designating Sources	*--** Uses -----*
						O T I R	E Y R <td>Kinds Effects'1111111122223334445555666677777789</td> <td></td> <td>Actual Potent- tial</td>	Kinds Effects'1111111122223334445555666677777789		Actual Potent- tial
						O T I R	E Y R	ABCDEFGHIJ10123468901230120130126701234560123456700STUVWXYZSTUVWXYZ		
07040002	75	74-0024	L Long Lk	-	all	1 0 1 8m	8m 1 1 11	1 11		1 1 1
07040002	74	74-0036	L Swan Lk	-	-	1 1 0 91	91 1 1	1		1 1 1
07040002	81	81-0013	L Watkins Lk	-	-	1 0 1 91	91 1111111	1 1 1	1 1	1 1 1
07040002	81	81-0014	L Clear Lk	-	-	1 0 1 91	91 1 1		11	1 1 1
07040002	81	81-0015	L Loon Lk	-	-	1 0 1 91	91 11 111		11	1 1 1
07040002	81	81-0016	L Gouse Lk	-	-	1 0 1 91	91 1 1 1	1 1		1 1 1
07040002	81	81-0018	L Gaiter Lk	-	-	1 0 1 91	91 11 111		11	1 1 1
07040002	81	81-0022	L Rice Lk	-	-	1 0 1 91	91 1 1	1 1		1 1 1
07040002	81	81-0058	L Tuner Lk	-	-	1 0 1 91	91 1 1	1 1		1 1 1
07040002	81	81-0067	L Lilly Lk	-	-	1 0 1 91	91 1 111	1	1	1 1 1
07040002	001	25	R CANNON R	-	-	2 1 1 8m	8m 1 2221	1 2	12	1 21 2 2
07040002	002	25	R CANNON R	-	-	2 1 1 8m	8m 1 2221	1 2	12	1 21 2 2
07040002	003	19	R PINE CR	-	-	2 2 0 8m	8m 121 1	2 1	1	11 11
07040002	004	25	R CANNON R	-	all	2 1 1 8m	8m 1 2221	1 2	12	1 21 2 2
07040002	005	25	R CANNON R	-	-	2 1 1 8m	8m 1 2221	1 2	12	1 21 2 2
07040002	006	25	R CANNON R	-	-	2 1 1 8m	8m 1 2221	1 2	12	1 21 2 2
07040002	006	19	L Lk Byllesby	-	1500ac	1 1 0 91	91 1111 11	1 1	1	1 1 1
07040002	007	19	R CHUB CR	-	-	1 0 1 8m	8m			
07040002	008	66	R CANNON R	-	46mi	1 1 0 91	91 1111111	1 1 1 11	1 1111	1 111 1 1
07040002	009	66	R HEATH CR	-	5	1 1 0 8m	8m 1111	1 1		11 1 1
07040002	010	66	R CANNON R	-	-	1 1 0 91	91 1111111	1 1 1 11	1 1111	1 111 1 1
07040002	011	66	R WOLF CR	-	3	1 1 0 8m	8m 1111	1 1		11 1 1
07040002	012	66	R CANNON R	-	-	2 1 0 91	91 1112222	1 2 1 12	1 1111	1 121 1 1
07040002	013	66	R CANNON R	-	-	2 1 0 91	91 1112222	1 2 1 12	1 1111	1 121 1 1
07040002	014	66	R CANNON L (CANNON R	-	-	1 1 0 8m	8m 111111	1 1 1 11	1 11	1 111 1 1
07040002	015	66	R Cannon Lk	-	1476ac	1 1 0 91	91 1111 11	1 1 11	1 1 11	1 1 1 1
07040002	016	66	R Cannon Lk	-	-	1 1 0 91	91 1111111	1 1111	1 1111	1 1 1 1
07040002	017	66	R CANNON R	-	-	1 0 1 91	91 111111	1 11	1 1111	1 1 1 1
07040002	017	40	L Upper Sakatah Lk	-	-	1 0 1 91	91 11	1 11 1	11	1 1 1 1
07040002	017	40	L Sabre Lk	-	-	1 0 1 91	91 111	1 11 1		1 1 1 1
07040002	017	40	L Tetonka	-	-	1 0 1 91	91 11	1 11 1	11	1 1 1 1
07040002	017	40	L Gorman Lk	-	-	1 0 1 91	91 11	1 11 1		1 1 1 1
07040002	017	66	L Hunt Lk	-	190ac	1 1 0 91	91 1	1 1 1		11 1 1
07040002	018	66	R STRAIGHT R	-	10mi	1 1 0 91	91 1111111	1 1 1 11	1 1111	1 11 1 1
07040002	019	74	R STRAIGHT R	-	45mi	2 1 1 91	91 12222221	21 2122	11 12221	12 2 11

				S I Z E		N M N Y		B E		Pollution*-----		Number of RMO's Designating		Sources -----		**-----		Uses -----*					
HUC	SEG	CO	AUXID	W B T	RCHNAME		O T I R	R	Y	'effects'	1111111122223334445555666666777777789	10123468901230120130126701234560123456700	STUVWXYZ	STUVWXYZ	Actual	Poten- tial							
07040008	003	28		R	ROOT R		1	1	0	8m	8m	1111	1	1	1		1	1	1	11	11	1	
07040008	004	28		R	MONEY CR	10	1	0	1	8m	8m	1	111111	1	1	11		11		11	1		
07040008	005	28		R	ROOT R		1	1	0	8m	8m	1111	1	1	1		1	1	1	11	11	1	
07040008	006	85		R	RUSH CR		2	1	1	91	91	2212	1	1111		2		11		2			
07040008	007	85		R	RUSH CR	-	2	1	1	91	91	2212	1	1111		2		11		2			
07040008	008	23		R	PINE CR	-	1	0	1	91	91	1	11	111	1	1	11	1	11		1		
07040008	010	23		R	ROOT R, M BR		1	1	0	8m	8m	11	1				1		1		1		
07040008	012	23		R	ROOT R, M BR		2	1	1	8m	8m	12	21	1	1	11		11		1	2	1	
07040008	013	23		R	ROOT R, M BR		2	1	1	8m	8m	12	21	1	1	11		11		1	2	1	
07040008	015	23		R	ROOT R, M BR		2	1	1	8m	8m	12	21	1	1	11		11		1	2	1	
07040008	016	55		R	ROOT R, N BR		2	0	2	8m	8m	21222221	2	2122			1		1	211	1112	12	1122
07040008	018	20		R	ROOT R, N BR	all	1	0	0	91	91	1	111	1	1	11				1		1	
07040008	019	23		R	ROOT R, M BR		1	1	0	8m	8m	11	1			1		1			1		
07040008	021	23		R	ROOT R, M BR		1	1	0	8m	8m	11	1			1		1			1		
07040008	022	50		R	BEAR CR		1	1	0	91	91	1111	1	1111			1		1		1		
07040008	024	50		R	BEAR CR	-	1	1	0	91	91	1111	1	1111			1		1		1		
07040008	025	23		R	ROOT R, M BR	-	1	1	0	8m	8m	11	1			1		1		1		1	
07040008	026	50		R	DEER CR	-	1	1	0	91	91	1111	1	1111			1		1		1		
07040008	027	23		R	SPRING VALLEY CR	-	1	0	1	91	91	1111	1	1		1		1		1		1	
07040008	029	23		R	ROOT R, S BR		1	0	1	91	91	1	111111	1	1	11	1		1		1	11	
07040008	030	23		R	ROOT R, S BR		1	0	1	91	91	1	111111	1	1	11	1		1		1	11	
07040008	031	23		R																			

07060001 012 28

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1 1 0 8m 8m 1 1111 1 1 1 1 1 1 11 11 1 1 11 1 1

										Pollution*										Sources										Uses																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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HUC	SEG	CO	AUXID	W B T	RCHNAME	SI ZE E	MR NN Y Y	BE IR R	Y	'effects'	1111111122223334445555666666777777789	1230120130126701234560123456700	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	STUVWXYZ	ST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				----- Number of RMO's Designating -----										Uses -----*														
				Pollution*----- Sources -----**										Actual Potent-														
				Kinds 'effects'1111111222233344455556666667777777789										tial														
HUC	SEG	CO	AUXID	W B T	RCHNAME	S I Z E	N R O	M N T	B Y I	E Y R	ABC	DEF	GHI	IO1	234	567	890	123	456	789	00	STU	VWX	YZ	STU	VWX	YZ	
09020102 Mustinka River -----																												
09020102	004	78		R	MUSTINKA R, W BR	18mi	1	1	0	91	91	11	111	1	1	1						1	1	1	1	1	1	1
09020102	006	78		R	MUSTINKA R		1	0	1	91	91	1111111	1	111			11				1	111	1		11	11		
09020102	007	78		R	FIVEMILE CR	12mi	1	1	0	91	91	11	111	1	1	1					1	1	1		1	1		
09020102	010	78		R	MUSTINKA R		2	0	2	91	91	2222221	2	112			11			1	1	1	111	1	11	11	1111	
09020102	014	78		R	MUSTINKA R		2	0	2	91	91	1	1211	2	1	2	11			1	1	1	1	1	11	1	1	
09020102	101	78		R	EIGHTEEN MILE CREEK	11mi	1	1	0	91	91	11	111	1	1	1					1	1	1		1	1		
09020102	205	78		R	12 MILE CREEK (CD		2	2	0	91	91	1111111	11	1	1						1	1	1		1	1		
09020103 Otter Tail River -----																												
09020103	03	03-0160		L	Dead Lk	131	2	0	2	91	91	12	111	2	11	2	1			1			1	1	1	1	1	
09020103	03	03-0189		L	Little Toad Lk	434	1	0	1	91	91	1			111		1		1				1	1	1	1		
09020103	03	03-0195		L	Height Of Land Lk	3943	1	0	1	91	91	11	1	1			1		1			1	1	1	1	1		
09020103	03	03-0265		L	Eagle Lk	265	1	1	0	91	91	1			1				1			1	1	1	1	1		
09020103	03	03-0286		L	Cotton Lk	1916	1	0	1	91	91	1		1			1		1			1	1	1	1	1		
09020103	03	03-0357		L	Monson Lk	139	1	1	0	91	91	1					1		1			1		1	1	1		
09020103	03	03-0358		L	Fox Lk	149	1	1	0	91	91	1					1		1			1		1	1	1		
09020103	03	03-0359		L	Lk Sallie	1287	1	0	1	91	91	11	11			11		1	1			1	1	1	1	11		
09020103	03	03-0360		L	Muskrat Lk	65	1	0	1	91	91	1			1			1		1		1		1	1	1		
09020103	03	03-0382		L	St Clair Lk	242	1	0	1	91	91	1111111			11		11		1			1	1	1	1	1		
09020103	03	03-0386		L	Little Floyd Lk																							

HUC	SEG	CO	AUXID	W B T	RCHNAME	S I E	N R O	M N T	B Y I	E Y R	Pollution*	Number of RMO's Designating	*-- Sources	--* Uses	*-- Actual	*-- Potential
											Kinds					
											'effects'	11111111222233344455556666777777789				
											ABCDEFGHIJ0123468901230120130126701234560123456700STUVWXYZSTUVWXYZ					
09020301	008	60		R	RED R	Red	River	of	the	North - Sandhill River						
09020301	010	60		R	RED R						11	11	11	11	11	11
09020301	011	60		R	RED R						11	11	11	11	11	11
09020301	012	60		R	SAND HILL CR						11	11	11	11	11	11
09020301	013	60		R	SAND HILL CR	31mi	2	1	1	91	91	221	2	1112	1	1
09020302	04	04-0035	L	Red Lk	-	1	0	0	91	91	11	11	11	1	1	1
09020302	04	04-0122	L	Medicine Lk	-	1	0	0	91	91	1	1	1	1	1	1
09020302	04	04-0124	L	Sandy Lk	242	1	1	0	91	91	1	1	1	1	1	1
09020302	04	04-0166	L	Julia Lk	-	1	0	0	91	91	1	1	1	1	1	1
09020302	04	04-0198	L	Puposky Lk	3sqmi	1	1	0	91	91	1	1	1	1	1	1
09020302	04	04-0304	L	Myrtle Lk	-	1	0	0	91	91	1	1	1	1	1	1
09020302	04	04-0329	L	Balm Lk	-	1	0	0	91	91	1	1	1	1	1	1
09020302	04	04-0331	L	Delwater Lk	141	1	1	0	91	91	1	1	1	1	1	1
09020302	04	04-0344	L	Parks Lk	50ac	1	1	0	91	91	1	1	1	1	1	1
09020302	15	15-0002	L	Haggerty Lk	160ac	1	1	0	91	91	1	1	1	1	1	1
09020302	36	36-0018	L	Bartlett Lk	-	1	0	1	91	91	11	1	1	1	1	1
09020302	019	04	R	MUD R	16	1	0	1	91	91	1	111	1	1	1	1
09020302	025	04	R	LOWER RED L (BLACK	-	1	1	0	91	91	1	1	1	1	1	1
09020302	026	04	R	BLACKDUCK R	-	1	1	0	91	91	11	1	1	1	1	1
09020302	027	04	R	BLACKDUCK R	-	1	1	0	91	91	11	1	1	1	1	1
09020302	029	04	R	BLACKDUCK R	-	1	1	0	91	91	11	1	1	1	1	1
09020302	030	04	L	Blackduck Lk	-	1	1	0	91	91	1111	1	1	1	1	1
09020302	031	04	R	CORMORANT R, S BR	9mi	1	1	0	91	91	1	1	1	1	1	1
09020302	034	04	R	CORMORANT R	9mi	1	1	0	91	91	1	11	11	1	1	1
09020302	037	04	R	BATTLE R, S BR	-	1	1	0	91	91	1111	1	1	1	1	1
09020302	038	04	R	BATTLE R, S BR	-	1	1	0	91	91	1111	1	1	1	1	1
09020302	039	04	R	BATTLE R, W BR	-	1	0	1	91	91	1111	1	1	1	1	1
09020302	043	04	R	SHOTLEY BK	9mi	1	0	1	91	91	1	1	1	1	1	1
09020302	045	04	R	TAMARACK R	5mi	1	1	0	91	91	1	11	11	1	1	1
09020302	130	04	R													

HUC	SEG	CO	AUXID	WBT	RCHNAME	SIZ	IR	B	E	Kinds	'effects'	Number of Kinds Designating	Sources	**	Uses	*Actual	Poten-					
				T		M N N Y	O T I R	R	Y	ABCDEF	GH I J	K L M N O P Q R S T U V W X Y Z					tial					
						Red	River of the North - Tamarack River															
09020311	005	45		R	RED R	50mi	2 2 0	91	91	111112121	211	2	112	1	1	121	2 1	1 111				
09020311	006	45		R	RED R	-	2 1 1	91	91	1 12111	211	2	111	1	1	11	2 1	1 111				
09020311	007	45		R	TAMARAC R	-	1 1 0	91	91	1 111 1	1	11		1	1	11	11	1 1				
09020311	107	45		R	TAMARAC RIVER	25mi	1 1 0	91	91	1 1		1				1	1	1				
09020311	207	45		R	TAMARAC RIVER	-	1 1 0	91	91	1 1		1				1	1	1				
							Two Rivers															
09020312	35	35-0001	L	Upper Twin Lk	220	1 1 0	91	91	1	11 1	1	1			1		1	1				
09020312	35	35-0002	L	Lower Twin Lk	240	1 1 0	91	91	1	11 1	1	1			1		1	1				
09020312	35	35-0004	L	Scully Lk	35ac	1 1 0	91	91	1	11 1	1	11			1		1	1				
09020312	001	35	R	TWO RIVERS	-	1 1 0	91	91	1	1111 1	1	11			1	1	111 11	1 1				
09020312	003	35	R	TWO RIVERS	-	1 1 0	91	91	1	1111 1	1	11			1	1	111 11	1 1				
09020312	004	35	R	TWO RIVERS, S BR	-	1 1 0	91	91	1	1111 1	1	11			1	1	111 11	1 1				
09020312	004	35	L	Bronson Lk	1	1 0 1	91	91	1	111111	11	11			1	1	1111 11	1 1				
09020312	005	35	R	TWO RIVERS, M BR	-	1 1 0	91	91	1	1111 1	1	11			1	1	1 11 11	1 1				
09020312	006	35	R	TWO RIVERS, N BR	-	1 1 0	91	91	1	111	1	1					1 1	1				
09020312	007	35	R	TWO RIVERS, N BR	-	1 1 0	91	91	1	1111 1	1	11			1	1	1 11 11	1 1				
09020312	104	68	R	LATERAL 2 OF STATE	-	1 1 0	8m	8m	11	1	1	1					1	1				
							Roseau River															
09020314	002	68	R	ROSEAU R	-	1 1 0	8m	8m	1	11111	1	1 11			1	1	1 11	1 1				
09020314	003	68	R	ROSEAU R	-	1 1 0	8m	8m	1	11111	1	1 11			1	1	1 11	1 1				
09020314	004	68	R	ROSEAU R, S FK	-	1 1 0	8m	8m	1	1	1	1			1	1	1 1	1 1				
09020314	005	68	R	ROSEAU R	-	1 1 0	8m	8m	1	11111	1	1 11			1	1	1 11	1 1				
09020314	006	68	R	HAY CR	-	1 1 0	8m	8m	11	1	1	1			1	1	1 1	1 1				
												aaaaaaaaaffffcccuueeeeeeddddddhhhhhho?AAAAAAAPPPPPPP ABCDEFGHIJ10123468901230120130126701234560123456700STUVWXYZSTUVWXYZ										
09020314	102	68	R	DT TO ROSEAU RIVER-	-	1 1 0	8m	8m	11	1	1	1			1	1	1	1				
09020314	202	68	R	BADGER CREEK	-	1 1 0	8m	8m	11	1	1	1			1	1	1	1				
							Rainy River (Headwaters)															
09030001	38	38-0568	L	Flathorn Lk	-	1 0 1	8m	8m	1			1										
09030001	38	38-0811	L	Fall Lk	-	1 1 0	8m	8m	111	1					1							

				----- Number of RMO's Designating -----																									
				Pollution*----- Sources -----**----- Uses -----*																									
HUC	SEG	CO	AUXID	W B T	RCHNAME	S I Z E	N M N O	B N T	E Y R	'effects'	1111111122223334445555666666777777789	10123468901230120130126701234560123456700	STUVWXYZ	STUVWXYZ	Actual	Poten-											tial		
09030007	009	36		R	RAPID R, E FK		1	0	0	8m	8m	1	1	1	1													1	1
09030007	011	36		R	RAPID R, E FK		1	0	0	8m	8m	1	1	1	1													1	1
				----- 09030008 Rainy River (Baudette) -----																									
09030008	001	39		R	RAINY R	-	2	0	1	91	91	2	1			1111	1	2	2	1								2	11
09030008	005	39		R	RAINY R		2	0	1	91	91	2	1			1	11		2	1	1	11						2	1
09030008	007	39		R	RAINY R		2	0	1	91	91	2	1			1	11		2	1	1	11						2	1
				----- 09030009 Lake of the Woods -----																									
09030009	39	39-0002		L	Lk Of The Woods	-	1	0	0	91	91	1						1	1	1							1	1	
09030009	008	68		R	WARROAD R	-	1	1	0	8m	8m	11	1	1	1				1	1									
09030009	009	68		R	WARROAD R, W BR		1	1	0	8m	8m	11	1	1	1														
09030009	010	68		R	WARROAD R, E BR		1	1	0	8m	8m	11	1	1	1														
09030009	116	39		R	WILLIAMS CK (CD-1)-		1	1	0	91	91	1111			1		11									1	1		
				----- 10170202 Big Sioux River (Headwaters) -----																									
				----- 10170203 Big Sioux River (Lower) -----																									
10170203	59	59-0001		L	Split Rock Lk	24.0sqm	1	0	1	91	91	1111	11	1	1111		11	11	1	1	1	1	1	11	1		1	1	
10170203	020	67		R	BEAVER CR	25	1	1	0	91	91	1	1			1											1	1	
10170203	021	67		R	BEAVER CR		1	1	0	91	91	1	1			1											1	1	
10170203	022	67		R	BEAVER CR	25	1	1	0	91	91	11	1			1											1	1	
10170203	024	67		R	BEAVER CR		2	1	1	91	91	111111	1	1111	1	1111	1	1	1	1	1	1	1	1	1	1	1	1	1
10170203	028	59		R	SPLIT ROCK CR		1	0	1	91	91	11	11	1	1111	11	11	1	1	1	1	1	1	1	1	1	1	1	1
				----- aaaaaaaaffffcccuueeeeddhhhhhhho?AAAAAAAPPPPPPP ABCDEFGHI0123468901230120130126701234560123456700STUVWXYZSTUVWXYZ -----																									
10170203	029	59		R	SPLIT ROCK CR		1	0	1	91	91	11	11	1	1111		11	11	1	1	1	1	1	1	1	1	1	1	1
10170203	031	67		R	SPLIT ROCK CR	4	2	1	1	91	91	121111	1	1111	1	1111		11	11	1	1	1	1	1	1	1	1	1	1
10170203	032	67		R	SPLIT ROCK CR		2	1	1	91	91	121111	1	1111	1	1111		11	11	1	1	1	1	1	1	1	1	1	1
10170203	033	59		R	PIESTONE CR	134.8sq	1	1	0	91	91	1111	111	11	1111	11	1111		1111	1	1	1	1	1	1	1	1	1	1
10170203	034	59		R	PIESTONE CR		1	1	0	91	91	1111	111	11	1111	11	1111		1111	1	1	1	1	1	1	1	1	1	1
10170203	036	59		R	W PIPESTONE CR	20.7sqm	1	0	1	91	91	1	11	1	1111				1	1	1	1	1	1	1	1	1	1	1
10170203	053	59		R	SPRING CR	1.5sqm	1	0	1	91	91			1	1111				1							1	1	1	
10170203	148	59		R	FLANDREAU CREEK	55.8sqm	1	0	1	91	91	11	11	1	1111		1		1	1	1	1	1	1	1	1	1	1	1
10170203	248	59		R	FLANDREAU CREEK		1	0	1	91	91	11	11	1	1111		1		1	1	1	1	1	1	1	1	1	1	1
				----- 10170204 Rock River -----																									
10170204	013	53		R	LITTLE ROCK R		1	1	0	91	91	1111			1	1111		1		1							1		
10170204	014	53		R	LITTLE ROCK R	23mi	1	1	0	91	91	11111111	1	1111	1	1111		1	1	1						1	1	1	1
10170204	015	53		R	*C	31mi	1	1	0	91	91	1111		1	1111		1		1							1			
10170204	020	67		R	KANARANZI CR		2	1	1	91	91	121121111	1	1111	1	1111		1	11		1	1	2	111	1		2	1	2
10170204	021	53		R	*D	22mi	1	1	0	91	91	11111111	1	1111	1	1111		1	11		1	1	1	111	1		1	1	1
10170204	022	67		R	KANARANZI CR	8	2	2	0	91	91	112111	1	1111	1	1111		11		1	2		11	1		1	1	1	1
10170204	023	53		R	KANARANZI CR		1	1	0	91	91	11111111	1	1111	1	1111		1	11		1	1	1	111	1		1	1	1
10170204	025	67		R	ROCK R	30	1	0	1	91	91	11	1	1	11				1						11		1	1	1
10170204	026	67		R	ELK CR	10	2	1	1	91	91	21221111	2	2222	1			1	1	2			111			2	2	2	2
10170204	027	67		R	ROCK R		1	0	1	91	91	11	1	1	11			1							11		1	1	1
10170204	028	67		R	CHAMPEPADAN CR	5	2	2	0	91	91	12112111	1	1111	1	1111		1		1	2		111	1		2	1	2	2
10170204	029	67		R	ROCK R		1	0	1	91	91	11	1	1	11										11		1	1	1
10170204	031	67		R	ROCK R		1	0	1	91	91	11	1	1	11										11		1	1	1

										----- Number of RMO's Designating -----										**----- Uses -----*	
										Pollution*----- Sources -----										Actual Potent-	
										Kinds										tial	
										'effects'11111112223334445555666666777777789											
HUC	SEG	CO	AUXID	W B T	RCHNAME	S I Z E	N R M O T	B N Y I R	E Y R	ABCDEF	GHIJ	KLMN	OPQR	STUV	WXYZ	STUV	WXYZ				
										10170204 Rock River											
10170204	032	67		R	ROCK R		1	0	1	91	91	1	1	1		1	1				
10170204	033	67		R	ROCK R		2	2	0	91	91	1	1111	2	122	1	1				
10170204	034	59		R	CHANARAMBIE CR	14.0sqm	0	1	0	91	91	1	11	11	1	1	1				
10170204	036	59		R	POPLAR CR	3	1	1	0	91	91	1	1111	1	1111	11	11				
10170204	037	67		R	*G	4	1	1	0	8m	8m	11	1			1	1				
10170204	038	67		R	MUD CR	10	1	1	0	91	91	1	1	1		1	1				
10170204	135	67		R	ROCK RIVER		2	2	0	91	91	1	1111	2	122	1	1				
10170204	235	67		R	ROCK RIVER		2	2	0	91	91	1	1111	2	122	1	1				
10170204	335	67		R	ROCK RIVER		2	2	0	91	91	1	1111	2	122	1	1				
10170204	435	59		R	E BR ROCK RIVER	114.0sq	1	0	1	91	91	1	111111	1	1111	11	11				
										10230003 Little Sioux River											
10230003	32	32-0008		L	Chandler Lk	40ac	1	1	0	91	91	1	11	1	1		1				
10230003	32	32-0023		L	Spirit Lk	-	1	1	0	91	91	1	1	1	1		1				
10230003	32	32-0024		L	Little Spirit Lk	600ac	1	1	0	91	91	1	11	1	1		1				
10230003	32	32-0031		L	Rush Lk	320ac	1	1	0	91	91	1	11	1	1		1				
10230003	32	32-0033		L	Pearl Lk	160ac	1	1	0	91	91	1	11	1	1		1				
10230003	32	32-0059		L	Skunk Lk	180ac	1	1	0	91	91	1	11	1	1		1				
10230003	32	32-0063		L	Rush Lk	160ac	1	1	0	91	91	1	11	1	1		1				
10230003	32	32-0071		L	Plum Lk	120ac	1	1	0	91	91	1	11	1	1		1				
10230003	32	32-0072		L	Illinois Lk	200ac	1	1	0	91	91	1	11	1	1		1				
10230003	32	32-0084		L	Iowa Lk	235ac	1	1	0	91	91	1	111111	1	1111	1	1				
10230003	53	53-0009		L	Maroney (Woolstenc	220ac	1	0	1	91	91	1	11	11	11	1	1111				
10230003	53	53-0024		L	Ocheda Lk	2060ac	1	0	1	91	91	1	11	11	11	1	1111				
10230003	053	32-0020		L	Loon Lk	600ac	1	1	0	91	91	1	11111111	1	1		1				
										aaaaaaaaaffffccuuueeeeee dddddd hhhhhh hho?AAAAAAAPPPPPP											
										ABCDEFGHIJ KLMNOPQRSTUVWXYZ											
10230003	055	32-0022		L	Clear Lk	600ac	1	1	0	91	91	1	11	1	1		1				
10230003	057	32		R	LITTLE SIOUX R	-	1	1	0	91	91	1	1	1	1		1				
10230003	059	32		R	LITTLE SIOUX R		1	1	0	91	91	1	1	1	1		1				
10230003	060	32		R	LITTLE SIOUX R		1	1	0	91	91	1	1	1	1		1				
10230003	067	32-0069		L	Round Lk	800ac	1	1	0	91	91	1	11	1	1		1				
10230003	068	53-0007		L	Indian Lk	260ac	1	0	1	91	91	1	111	1	1	1111	1				
10230003	084	53-0028		L	Okabena Lk	762ac	1	1	0	91	91	1	11	11	11	1	11				

MINNESOTA POLLUTION CONTROL AGENCY
Ground Water Monitoring and Assessment Program (GWMAP)

Table 1: Number of Wells Monitored in Each Aquifer

	NUMBER
AQUIFER	OF WELLS
SURFICIAL OUTWASH SANDS	99
BURIED OUTWASH SANDS	80
UNDIFFERENTIATED CRETACEOUS	31
CEDAR VALLEY LIMESTONE	7
MAQUOKETA-DUBUQUE	1
GALENA LIMESTONE	3
ST. PETER SANDSTONE	47
PRAIRIE DU CHIEN LIMESTONE	23
JORDAN SANDSTONE	44
FRANCONIA FORMATION	17
IRONTON-GALESVILLE SANDSTONE	9
MT. SIMON-HINKLEY SANDSTONE	39
BIWABIK IRON FORMATION	7
NORTH SHORE VOLCANICS	5
UNDIFFERENTIATED PRECAMBRIAN	13
PROTEROZOIC METASEDIMENTARY	1
SIOUX QUARTZITE	8
TOTAL -	434

MINNESOTA POLLUTION CONTROL AGENCY
Ground Water Monitoring and Assessment Program (GWMAP)

Table 2: General Chemistry Summary, Quaternary Aquifers, 1978-1990

	SURFICIAL OUTWASH SANDS			BURIED OUTWASH SANDS			
	NUMBER OF WELLS SAMPLED			NUMBER OF WELLS EXCEEDING RAL			
	MEDIAN VALUE			MEDIAN VALUE			
	NUMBER OF WELLS EXCEEDING RAL			NUMBER OF WELLS EXCEEDING RAL			
	RAL *			RAL *			
Bicarbonate, mg/l	95	215	NA	80	320	NA	NA
Calcium, mg/l	98	170	NA	80	200	NA	NA
Chloride, mg/l	99	6.4	NA	80	6.35	NA	NA
Fluoride, mg/l	92	0.11	NA	78	0.24	NA	NA
Iron, ug/l	99	200	NA	80	940	NA	NA
Magnesium, mg/l	98	75	NA	80	125	NA	NA
Manganese, ug/l	98	115	17	80	80	11	600
Nitrate, mg/l	99	0.63	15	80	0.01	5	10
Potassium, mg/l	98	1.7	NA	79	3.8	NA	NA
Sodium, mg/l	98	4.4	NA	79	38.9	NA	NA
Sulfate, mg/l	99	13.8	NA	80	51	NA	NA

* Recommended Allowable Limit

MINNESOTA POLLUTION CONTROL AGENCY
Ground Water Monitoring and Assessment Program (GWMAP)

Table 3: General Chemistry Summary, Mesozoic Aquifer, 1978-1990

	UNDIFFERENTIATED CRETACEOUS		MEDIAN VALUE		RAL *
	NUMBER OF WELLS SAMPLED		NUMBER OF WELLS EXCEEDING RAL		
Bicarbonate, mg/l	31	370	NA	NA	
Calcium, mg/l	31	440	NA	NA	
Chloride, mg/l	31	5.21	NA	NA	
Fluoride, mg/l	12	0.29	NA	NA	
Iron, ug/l	31	1900	NA	NA	
Magnesium, mg/l	31	250	NA	NA	
Manganese, ug/l	31	120	2	600	
Nitrate, mg/l	31	0.01	0	10	
Potassium, mg/l	31	7.2	NA	NA	
Sodium, mg/l	31	67.9	NA	NA	
Sulfate, mg/l	31	560	NA	NA	

* Recommended Allowable Limit

MINNESOTA POLLUTION CONTROL AGENCY
Ground Water Monitoring and Assessment Program (GWMAP)

Table 4: General Chemistry Summary, Paleozoic Aquifers, 1978-1980

	CEDAR VALLEY LIMESTONE			MAQUOKETA-DUBUQUE			GALENA LIMESTONE			ST. PETER SANDSTONE			PRAIRIE DU CHIEN LIMESTONE			JORDAN SANDSTONE			FRANCONIA SANDSTONE			IRONTON-GALESVILLE SANDSTONE			MT. SIMON-HINCKLEY SANDSTONE			RAL *		
	NUMBER OF WELLS SAMPLED	MEDIAN VALUE	NUMBER OF WELLS EXCEEDING RAL	NUMBER OF WELLS SAMPLED	MEDIAN VALUE	NUMBER OF WELLS EXCEEDING RAL	NUMBER OF WELLS SAMPLED	MEDIAN VALUE	NUMBER OF WELLS EXCEEDING RAL	NUMBER OF WELLS SAMPLED	MEDIAN VALUE	NUMBER OF WELLS EXCEEDING RAL	NUMBER OF WELLS SAMPLED	MEDIAN VALUE	NUMBER OF WELLS EXCEEDING RAL	NUMBER OF WELLS SAMPLED	MEDIAN VALUE	NUMBER OF WELLS EXCEEDING RAL	NUMBER OF WELLS SAMPLED	MEDIAN VALUE	NUMBER OF WELLS EXCEEDING RAL	NUMBER OF WELLS SAMPLED	MEDIAN VALUE	NUMBER OF WELLS EXCEEDING RAL	NUMBER OF WELLS SAMPLED	MEDIAN VALUE	NUMBER OF WELLS EXCEEDING RAL	NUMBER OF WELLS SAMPLED	MEDIAN VALUE	NUMBER OF WELLS EXCEEDING RAL
Bicarbonate, mg/l	7	240	NA	1	280	NA	3	280	NA	47	300	NA	22	260	NA	44	230	NA	18	260	NA	9	240	NA	39	280	NA	NA		
Calcium, mg/l	7	170	NA	1	240	NA	3	220	NA	47	210	NA	23	180	NA	44	145	NA	17	140	NA	9	130	NA	39	150	NA	NA		
Chloride, mg/l	7	8.9	NA	1	12	NA	3	21	NA	47	2.2	NA	23	4.5	NA	44	1.4	NA	17	1	NA	9	0.5	NA	39	14	NA	NA		
Fluoride, mg/l	7	0.18	NA	1	0.13	NA	3	0.24	NA	15	0.16	NA	23	0.15	NA	44	0.15	NA	18	0.14	NA	9	0.13	NA	38	0.22	NA	NA		
Iron, ug/l	7	1200	NA	1	60	NA	3	60	NA	47	1800	NA	23	65	NA	44	60	NA	17	100	NA	9	705	NA	39	660	NA	NA		
Magnesium, mg/l	7	78	NA	1	98	NA	3	130	NA	47	120	NA	23	95	NA	44	86	NA	17	110	NA	9	88	NA	39	110	NA	NA		
Manganese, ug/l	7	60	0	1	70	0	3	20	1	47	120	4	23	20	0	44	20	0	17	20	0	9	20	0	39	30	1	800		
Nitrate, mg/l	7	0.05	0	1	8.39	0	3	8.6	2	47	0.01	1	23	0.28	3	44	0.65	1	17	0.14	0	9	0.01	0	39	0.01	1	10		
Potassium, mg/l	7	0.9	NA	1	1.3	NA	3	1.7	NA	47	2.6	NA	23	1.4	NA	44	1.2	NA	17	1	NA	9	1.4	NA	39	4.15	NA	NA		
Sodium, mg/l	7	4.8	NA	1	4.4	NA	3	4.6	NA	47	6.3	NA	23	6.6	NA	44	3	NA	17	2.6	NA	9	2.4	NA	39	17	NA	NA		
Sulfate, mg/l	7	18	NA	1	18	NA	3	63	NA	47	39	NA	23	25	NA	44	11	NA	17	18	NA	9	19	NA	39	25	NA	NA		

* Recommended Allowable Limit

MINNESOTA POLLUTION CONTROL AGENCY
Ground Water Monitoring and Assessment Program (GWMAP)

Table 5: General Chemistry Summary, Precambrian Aquifers, 1978-1990

	BIWABIK IRON FORMATION			NORTH SHORE VOLCANICS			UNDIFFERENTIATED PRECAMBRIAN			PROTEROZOIC METASEDIMENTARY			SIOUX QUARTZITE			RAL *	
	NUMBER OF WELLS SAMPLED	MEDIAN VALUE	NUMBER OF WELLS EXCEEDING RAL	NUMBER OF WELLS SAMPLED	MEDIAN VALUE	NUMBER OF WELLS EXCEEDING RAL	NUMBER OF WELLS SAMPLED	MEDIAN VALUE	NUMBER OF WELLS EXCEEDING RAL	NUMBER OF WELLS SAMPLED	MEDIAN VALUE	NUMBER OF WELLS EXCEEDING RAL	NUMBER OF WELLS SAMPLED	MEDIAN VALUE	NUMBER OF WELLS EXCEEDING RAL		
Bicarbonate, mg/l	7	190	NA	5	67	NA	13	240	NA	1	235	NA	8	325	NA	NA	
Calcium, mg/l	7	120	NA	5	160	NA	13	130	NA	1	160	NA	8	545	NA	NA	
Chloride, mg/l	7	9.6	NA	5	20	NA	13	8.7	NA	1	8.9	NA	8	4	NA	NA	
Fluoride, mg/l	2	0.17	NA	2	0.34	NA	6	0.35	NA	3	0.14	NA	3	0.3	NA	NA	
Iron, ug/l	7	50	NA	5	90	NA	13	570	NA	1	150	NA	8	115	NA	NA	
Magnesium, mg/l	7	100	NA	5	12	NA	13	83	NA	1	62.5	NA	8	290	NA	NA	
Manganese, ug/l	7	20	1	5	20	0	13	30	0	1	752	1	8	740	5	600	
Nitrate, mg/l	7	0.19	0	5	0.01	0	13	0.01	1	1	0.03	0	8	0.21	3	10	
Potassium, mg/l	7	2.3	NA	5	0.8	NA	13	5.6	NA	1	2.8	NA	8	6.35	NA	NA	
Sodium, mg/l	7	8.1	NA	5	80	NA	13	30	NA	1	14.5	NA	8	48	NA	NA	
Sulfate, mg/l	7	60	NA	5	18	NA	13	36	NA	1	15.5	NA	8	60	NA	NA	

* Recommended Allowable Limit

MINNESOTA POLLUTION CONTROL AGENCY
Ground Water Monitoring and Assessment Program (GWMAP)

Table 6: Metals Summary, Quaternary Aquifers, 1978-1990

	SURFICIAL OUTWASH SANDS		MEDIAN VALUE		BURIED OUTWASH SANDS		MEDIAN VALUE		RAL *
	NUMBER OF WELLS SAMPLED		NUMBER OF WELLS EXCEEDING RAL		NUMBER OF WELLS SAMPLED		NUMBER OF WELLS EXCEEDING RAL		
Arsenic, ug/l	56	1	**		52	1.05	**	0.2	
Cadmium, ug/l	94	0.02	1		79	0.02	1	4	
Chromium, ug/l	94	0.5	0		79	0.5	0	100	
Copper, ug/l	69	10	1		73	5.8	0	1000	
Lead, ug/l	94	0.9	1		79	0.7	6	20	
Mercury, ug/l	91	0.15	0		73	0.14	0	2	
Zinc, ug/l	94	30.5	0		79	24	2	1400	

* Recommended Allowable Limit

** Laboratory detection limit exceeded Recommended Allowable Limit in a significant number of samples

Ground Water Monitoring and Assessment Program (GWMAP)

Table 7: Metals Summary, Mesozoic Aquifer, 1978-1990

	UNDIFFERENTIATED CRETACEOUS	NUMBER OF WELLS SAMPLED	MEDIAN VALUE	NUMBER OF WELLS EXCEEDING RAL	RAL *
Arsenic, ug/l	10	1	**	0	0.2
Cadmium, ug/l	12	0.01	0	0	4
Chromium, ug/l	12	0.5	0	0	100
Copper, ug/l	12	15	0	0	1000
Lead, ug/l	12	1.35	0	0	20
Mercury, ug/l	12	0.11	0	0	2
Zinc, ug/l	12	25.5	0	0	1400

* Recommended Allowable Limit

** Laboratory detection limit exceeded Recommended Allowable Limit in a significant number of samples

MINNESOTA POLLUTION CONTROL AGENCY
Ground Water Monitoring and Assessment Program (GWMAP)

Table 8: Metals Summary, Paleozoic Aquifers, 1978-1990

	CEDAR VALLEY LIMESTONE			NUMBER OF WELLS SAMPLED			MEDIAN VALUE			NUMBER OF WELLS EXCEEDING RAL			MAQUOKETA-DUBUQUE			NUMBER OF WELLS SAMPLED			MEDIAN VALUE			NUMBER OF WELLS EXCEEDING RAL			GALENA LIMESTONE			NUMBER OF WELLS SAMPLED			MEDIAN VALUE			NUMBER OF WELLS EXCEEDING RAL			ST. PETER SANDSTONE			NUMBER OF WELLS SAMPLED			MEDIAN VALUE			NUMBER OF WELLS EXCEEDING RAL			PRAIRIE DU CHIEN LIMESTONE			NUMBER OF WELLS SAMPLED			MEDIAN VALUE			NUMBER OF WELLS EXCEEDING RAL			JORDAN SANDSTONE			NUMBER OF WELLS SAMPLED			MEDIAN VALUE			NUMBER OF WELLS EXCEEDING RAL			FRANCONIA SANDSTONE			NUMBER OF WELLS SAMPLED			MEDIAN VALUE			NUMBER OF WELLS EXCEEDING RAL			IRONTON-GALESVILLE SANDSTONE			NUMBER OF WELLS SAMPLED			MEDIAN VALUE			NUMBER OF WELLS EXCEEDING RAL			MT. SIMON-HINCKLEY SANDSTONE			NUMBER OF WELLS SAMPLED			MEDIAN VALUE			NUMBER OF WELLS EXCEEDING RAL			RAL *		
Arsenic, ug/l	1	1	**	0	NA	**	2	1	**	11	1.7	**	9	1	**	20	1	**	12	1	**	3	1	**	12	1	**	0.2																																																																																			
Cadmium, ug/l	7	0.02	0	1	0.02	0	3	0.04	0	15	0.08	0	23	0.04	0	44	0.03	0	17	0.02	0	9	0.01	0	38	0.01	0	4																																																																																			
Chromium, ug/l	7	0.8	1	1	2.46	0	3	2.2	1	15	0.5	0	23	0.5	0	44	0.5	0	17	0.65	0	9	0.5	0	38	0.5	0	100																																																																																			
Copper, ug/l	7	1	0	1	0.4	0	2	13.9	0	12	15	0	18	7.3	0	33	12	0	15	5.25	0	4	20	0	18	5.2	0	1000																																																																																			
Lead, ug/l	7	0.78	1	1	0.43	0	3	2.9	0	18	1.8	8	23	1.2	0	44	1.15	0	17	1.3	0	9	1.3	0	38	0.91	1	20																																																																																			
Mercury, ug/l	7	0.2	0	1	0.18	0	3	0.13	0	15	0.1	0	23	0.18	1	43	0.11	0	17	0.1	0	9	0.1	0	38	0.1	0	2																																																																																			
Zinc, ug/l	7	69	0	1	1.19	0	3	190	0	15	170	1	23	84.5	0	44	25	1	17	98	0	9	84	0	38	10.5	0	1400																																																																																			

* Recommended Allowable Limit

** Laboratory detection limit exceeded Recommended Allowable Limit in a significant number of samples

MINNESOTA POLLUTION CONTROL AGENCY
Ground Water Monitoring and Assessment Program (GWMAP)

Table 9: Metals Summary, Precambrian Aquifers, 1978-1990

	BIWABIK IRON FORMATION			NORTH SHORE VOLCANICS			UNDIFFERENTIATED PRECAMBRIAN			PROTEROZOIC METASEDIMENTARY			SIOUX QUARTZITE			RAL *		
	NUMBER OF WELLS SAMPLED	MEDIAN VALUE	NUMBER OF WELLS EXCEEDING RAL	NUMBER OF WELLS SAMPLED	MEDIAN VALUE	NUMBER OF WELLS EXCEEDING RAL	NUMBER OF WELLS SAMPLED	MEDIAN VALUE	NUMBER OF WELLS EXCEEDING RAL	NUMBER OF WELLS SAMPLED	MEDIAN VALUE	NUMBER OF WELLS EXCEEDING RAL	NUMBER OF WELLS SAMPLED	MEDIAN VALUE	NUMBER OF WELLS EXCEEDING RAL	NUMBER OF WELLS SAMPLED	MEDIAN VALUE	NUMBER OF WELLS EXCEEDING RAL
Arsenic, ug/l	2	1	**	2	1	**	5	1.1	**	1	1	**	2	6.5	**	0.2		
Cadmium, ug/l	2	0.02	0	2	0.04	0	6	0.03	1	1	0.04	0	3	0.04	0	4		
Chromium, ug/l	2	0.5	0	2	0.5	0	6	0.5	0	1	0.5	0	3	0.5	0	100		
Copper, ug/l	2	4.25	0	2	11.5	0	5	42	0	1	16	0	3	13	0	1000		
Lead, ug/l	2	0.65	0	2	1.4	0	6	5.15	0	1	1.9	0	3	2	0	20		
Mercury, ug/l	2	0.12	0	2	0.1	0	6	0.1	0	1	0.1	0	3	0.15	0	2		
Zinc, ug/l	2	5.3	0	2	156	0	6	119	0	1	240	0	3	24	0	1400		

* Recommended Allowable Limit

** Laboratory detection limit exceeded Recommended Allowable Limit in a significant number of samples

MINNESOTA POLLUTION CONTROL AGENCY
Ground Water Monitoring and Assessment Program (GWMAP)

Table 10: Pesticide Summary, 1978-1990

	SURFICIAL OUTWASH SANDS BURIED OUTWASH SANDS UNDIFFERENTIATED CRETACEOUS CEDAR VALLEY LIMESTONE MAQUOKETA-DUBUQUE GALENA LIMESTONE ST. PETER SANDSTONE PRAIRIE DU CHIEN LIMESTONE JORDAN SANDSTONE FRANCONIA FORMATION IRONTON-GALESVILLE SANDSTONE MT. SIMON-HINKLEY SANDSTONE BIWABIK IRON FORMATION NORTH SHORE VOLCANICS UNDIFFERENTIATED PRECAMBRIAN PROTEROZOIC METASEDIMENTARY SIOUX QUARTZITE																	
# WELLS SAMPLED	15	6	0	1	1	0	0	1	4	6	1	2	0	0	0	0	0	
# WELLS WITH DETECTIONS	2	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	
PESTICIDES DETECTED			NA			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Atrazine																		
Carbon Disulfide	X	X																
Chlordane																		
DDT																		
2,4-D	X																	
Lasso																		
Phorate																		
Silvex	X			X	X													
Terbufos																		
Toxaphene																		
2,4,5-T																		

MINNESOTA POLLUTION CONTROL AGENCY
Ground Water Monitoring and Assessment Program (GWMAP)

Table 11: Volatile Organic Compound Summary, 1978-1990

	SURFICIAL OUTWASH SANDS		BURIED OUTWASH SANDS		UNDIFFERENTIATED CRETACEOUS		CEDAR VALLEY LIMESTONE		MAQUOKETA-DUBUQUE		GALENA LIMESTONE		ST. PETER SANDSTONE		PRAIRIE DU CHIEN LIMESTONE		JORDAN SANDSTONE		FRANCONIA FORMATION		IRONTON-GALESVILLE SANDSTONE		MT. SIMON-HINKLEY SANDSTONE		BIWABIK IRON FORMATION		NORTH SHORE VOLCANICS		UNDIFFERENTIATED PRECAMBRIAN		PROTEROZOIC METASEDIMENTARY		SIOUX QUARTZITE	
# WELLS SAMPLED	77	65	11	6	0	3	17	17	30	14	8	27	1	2	6	0	2																	
# WELLS WITH DETECTIONS	24	17	0	1	0	0	2	2	5	0	1	3	0	1	0	0	1																	
VOC's DETECTED			NA		NA	NA				NA								NA			NA		NA											
Acetone	X	X					X																											
Benzene	X	X																																
Bromoform																																	X	
Carbon disulfide	X	X																																
Chlorodibromomethane																									X								X	
Chloroethane	X																																	
Chloroform	X	X		X				X																	X									
1,4-Dichlorobenzene	X																																	
Dichlorobromomethane	X																								X								X	
Dichlorodifluoromethane	X																																	
1,1-Dichloroethane	X							X																										
1,2-Dichloroethane	X	X						X					X					X	X															
1,1-Dichloroethene	X							X																										
1,2-Dichloroethene	X							X																										
cis-1,2-Dichloroethene	X							X																										
Ethyl benzene		X																																
Isopropyl benzene	X	X																							X									
Methylene bromide	X																																	
Methylene chloride							X		X																									
Tetrachloroethene	X																																	
Toluene																					X													
1,1,1-Trichloroethane							X		X																									
1,1,2-Trichloroethane								X																										
Trichloroethene	X	X					X	X	X																									
Trichlorofluoromethane	X	X																																
m-Xylene		X																							X									
o- & p-Xylene		X																							X									

WATERS WITH SIGNIFICANT WATER QUALITY VIOLATIONS, POLLUTION SOURCE - NOT POINT

HUC	SEG	REACH NAME	MILES	WATER QUALITY VIOLATIONS	COUNTIES
04010101	015	BRULE R	11.4	AL	COOK
04010101	016	GREENWOOD R	6.1	AL	COOK
04010101	021	KIMBALL CR	7.8	AL	COOK
04010101	022	DEVIL TRACK R	7.6	AL	COOK
04010101	027	CASCADE R	16.5	AL	COOK
04010101	050	BAPTISM R	7.7	AL	LAKE
04010101	052	BAPTISM R, W BR	12.3	AL	LAKE
04010101	108	DURFEE CREEK	4.8	AL	COOK
04010101	109	KADUNCE CREEK	8.5	AL	COOK
04010102	009	BEAVER R	20.0	PB	LAKE
04010201	013	ST LOUIS R	9.5	PB	ST LOUIS
04010201	020	WHITEFACE R	28.6	AL, PB, CD	ST LOUIS
04010201	209	ST LOUIS R ABV FOND DU LAC DAM	7.8	PB	ST LOUIS
07010101	004	MISSISSIPPI R	7.3	DO	CASS/ITASCA
07010101	005	MISSISSIPPI R	6.4	DO	CASS/ITASCA
07010101	008	MISSISSIPPI R	6.0	DO	CASS/ITASCA
07010101	033	MISSISSIPPI R	34.5	DO	CASS/ITASCA
07010101	427	MISSISSIPPI R	12.5	HIGH PH	BELTRAMI
07010104	005	MISSISSIPPI R	9.6	CD, PB	MORRISON
07010104	027	ELK R	11.4	DO	MORRISON
07010104	029	LITTLE ELK R	11.8	DO	MORRISON
07010107	307	WHISKEY CREEK	3.9	DO	WADENA
07010108	001	LONG PRAIRIE R	8.6	DO	TODD
07010108	002	LONG PRAIRIE R	5.0	DO	TODD
07010108	004	LONG PRAIRIE R	4.5	DO	TODD
07010108	005	LONG PRAIRIE R	7.7	DO	TODD
07010201	017	S TWO R	10.9	DO	STEARNS/MORRISON
07010202	B02	SAUK R ABV HORSESHOE CHAIN	28.8	FEC, TURB	STEARNS
07010202	M02	KOLLING CREEK	2.3	HIGH PH	STEARNS
07010202	P02	CR TO SAUK RIVER	5.3	HIGH PH, TURB	STEARNS
07010202	R02	STONY CREEK	0.9	TURB	STEARNS
07010202	003	GETCHELL CR	17.9	HIGH PH, TURB	STEARNS
07010202	102	SAUK R BLW COLD SPRING DAM	5.5	HIGH PH, NH3	STEARNS
07010202	105	ADLEY CR	4.7	HIGH PH, NH3	STEARNS
07010202	106	SAUK R BLW MELROSE DAM	2.6	FEC	STEARNS
07010202	204	CD 44	11.4	HIGH PH, TURB	STEARNS

WATERS WITH SIGNIFICANT WATER QUALITY VIOLATIONS, POLLUTION SOURCE - NOT POINT

HUC	SEG	REACH NAME	MILES	WATER QUALITY VIOLATIONS	COUNTIES
07010203	009	MISSISSIPPI R	29.8	PB	SHERBURNE/WRIGHT
07010203	210	MISS R ABV ST CLOUD DAM	3.5	FECAL	BENTON
07010206	302	MISS R ABV ST ANTHONY FALLS	11.8	HIGH PH	HENNEPIN
07020001	002	L QUI PARLE	16.1	HIGH PH, NH3	CHIPPEWA/ LAC QUI PARLE
07020002	001	POMME DE TERRE R	35.9	COND	SWIFT
07020003	002	LAC QUI PARLE R	15.1	DO, HIGH PH, COND	LAC QUI PARLE
07020003	014	LAZARUS CR	15.7	DO	YELLOW MEDICINE
07020004	001	MINNESOTA R	0.6	COND	REDWOOD/ RENVILLE
07020004	008	MINNESOTA R	3.6	COND, HIGH PH	REDWOOD/ RENVILLE/YELLOW MEDICINE
07020004	010	MINNESOTA R	10.4	COND, HIGH PH	REDWOOD/ RENVILLE/YELLOW MEDICINE
07020004	011	MINNESOTA R	2.2	COND, HIGH PH	REDWOOD/ RENVILLE/YELLOW MEDICINE
07020004	022	YELLOW MEDICINE R	16.6	COND	YELLOW MEDICINE
07020004	028	YELLOW MEDICINE R,S BR	0.0	COND	LYON
07020005	001	CHIPPEWA R	11.2	NH3, COND	CHIPPEWA
07020005	018	LITTLE CHIPPEWA	11.9	DO	POPE
07020005	022	CHIPPEWA R	49.0	DO	DOUGLAS/ GRANT/ POPE/ STEVENS
07020007	001	MINNESOTA R	1.2	COND	BLUE EARTH/ LeSUEUR/ NICOLLET
07020007	002	MINNESOTA R	5.7	COND	BLUE EARTH/ LeSUEUR/ NICOLLET
07020007	003	MINNESOTA R	14.9	COND	BLUE EARTH/ LeSUEUR/ NICOLLET
07020007	004	MINNESOTA R	2.8	COND	BLUE EARTH/ BROWN/ NICOLLET
07020007	005	MINNESOTA R	8.1	COND	BLUE EARTH/ BROWN/ NICOLLET
07020007	008	MINNESOTA R	9.1	COND	BLUE EARTH/ BROWN/ NICOLLET
07020007	009	MINNESOTA R	0.4	COND	BLUE EARTH/ BROWN/ NICOLLET
07020007	010	MINNESOTA R	5.2	COND	BLUE EARTH/ BROWN/ NICOLLET
07020007	011	MINNESOTA R	15.7	COND	BROWN/ NICOLLET/ REDWOOD/ RENVILLE
07020007	013	MINNESOTA R	1.5	COND	BROWN/ NICOLLET/ REDWOOD/ RENVILLE
07020007	015	MINNESOTA R	5.4	COND	BROWN/ NICOLLET/ REDWOOD/ RENVILLE
07020007	016	MINNESOTA R	4.8	COND	BROWN/ NICOLLET/ REDWOOD/ RENVILLE
07020007	018	MINNESOTA R	10.1	COND	BROWN/ REDWOOD/ RENVILLE
07020007	019	MINNESOTA R	5.9	COND	REDWOOD/ RENVILLE
07020007	021	MINNESOTA R	5.1	COND	REDWOOD/ RENVILLE
07020008	001	COTTONWOOD R	19.9	COND	BROWN
07020009	004	ELM CR	30.4	TURB	MARTIN/ FARIBAULT
07020009	019	BLUE EARTH R	4.2	FECAL, COND	FARIBAULT
07020009	405	CEDAR RUN CREEK	15.3	DO, NH3, COND	MARTIN/JACKSON
07020010	001	WATONWAN R	12.9	COND	BLUE EARTH

WATERS WITH SIGNIFICANT WATER QUALITY VIOLATIONS, POLLUTION SOURCE - NOT POINT

HUC	SEG	REACH NAME	MILES	WATER QUALITY VIOLATIONS	COUNTIES
07020012	020	MINNESOTA R	8.6	COND	LeSUEUR/ NICOLLET
07030001	013	ST CROIX R	7.2	PB	PINE
07040001	112	VERMILLION R	33.7	TURB	GOODHUE
07040002	001	CANNON R	9.4	TURB	GOODHUE
07040002	033	PRAIRIE CR	22.8	FECAL	GOODHUE
07040003	001	MISSISSIPPI R	4.2	HIGH PH	WINONA
07040003	006	MISSISSIPPI R	1.9	HIGH PH	WINONA
07040003	023	*A (GARVIN BROOK)	17.1	FEC, TURB	WINONA
07040003	024	MISSISSIPPI R	0.9	HIGH PH	WINONA
07040003	122	S FK WHITEWATER R	11.6	FEC,HIGH PH,NH3	WINONA
07040003	207	MISS R ABV LOCK/DAM #5A	5.8	HIGH PH	WINONA
07040004	120	SALEM CREEK	15.0	FECAL	OLMSTED/DODGE
07040006	001	MISSISSIPPI R	4.3	HIGH PH, NH3	HOUSTON
07040006	002	MISSISSIPPI R	0.8	HIGH PH, NH3	HOUSTON/ WINONA
07040006	009	MISSISSIPPI R	8.2	HIGH PH	WINONA
07040008	118	ROBINSON CREEK	8.9	TURB	OLMSTED
07060001	021	MISSISSIPPI R	8.9	HIGH PH, NH3	HOUSTON
07080201	122	ROBERTS CREEK	5.3	DO, NH3	MOWER
07100002	013	DES MOINES R	26.8	COND	JACKSON
09020101	114	RABBIT R	22.4	DO, TURB, COND,HIGH PH, NH3	WILKIN
09020103	101	OTTERTAIL RIVER	27.0	HIGH PH	WILKIN
09020104	006	WHISKEY CR	14.3	TURB, COND	CLAY/ WILKIN/ OTTERTAIL
09020104	105	RED R BLW BRECKENRIDGE DAM	24.6	HIGH PH	WILKIN
09020104	202	RED R ABV FARGO MOORHEAD DAM	18.4	HIGH PH	CLAY
09020108	003	WILD RICE R	30.1	HIGH PH, NH3	NORMAN
09020301	004	RED R	6.3	HIGH PH	POLK
09020303	003	RED LAKE R	17.0	HIGH PH	POLK
09020303	009	RED LAKE R	7.2	HIGH PH	POLK
09020309	001	SNAKE R	5.4	COND	MARSHALL
09030001	006	BIRCH LAKE	21.6	CU, ZN	LAKE
09030001	011	STONY R	36.8	LOW PH, AL	LAKE
09030001	013	KAWISHIWI R	5.1	CU, ZN	LAKE
09030001	541	BEAR ISLAND R	8.1	LOW PH, AL	ST LOUIS
09030004	213	RAINY R ABV INTERNAT FALLS DAM	2.9	CU, PB, CD	KOOCHICHING
09030008	005	RAINY RIVER	4.7	PB	LAKE OF THE WOODS
09030008	006	BAUDETTE R	3.1	DO	LAKE OF THE WOODS
10170203	132	SPLIT ROCK CK	12.6	DO	ROCK
10170204	021	*D (NORWEGIAN CREEK)	9.2	TURB	NOBLES/ ROCK

Appendix 15

WATERS WITH SIGNIFICANT WATER QUALITY VIOLATIONS, POLLUTION SOURCE - NOT POINT AND POINT

HUC	SEG	REACH NAME	MILES	WATER QUALITY VIOLATIONS	COUNTIES
04010201	003	ST LOUIS R	6.0	PB	ST LOUIS
07010103	513	TROUT CREEK	3.3	DO	ITASCA
07010107	107	UNION CREEK	5.5	DO	WADENA
07010202	001	SAUK R	13.3	HIGH PH	STEARNS
07010202	004	SAUK R	9.1	FEC, HIGH PH, TURB	STEARNS
07010202	206	SAUK ABV MELROSE DAM	16.0	HIGH PH, NH3	STEARNS
07010202	D02	LONG LK	1.0	HIGH PH, NH3	STEARNS
07010202	G02	EDEN LK OUTLET	1.9	TURB	STEARNS
07010204	017	JEWETT CR	7.8	DO, NH3	MEEKER
07010205	007	BUFFALO CR	40.9	DO, COND	MCLEOD/ RENVILLE/ SIBLEY
07010205	106	CROW R, S FK BLW HUTCHINSON DAM	16.3	NH3	MCLEOD
07010206	201	MISSISSIPPI R ABV LOCK/DAM #2	14.8	TURB	WASHINGTON/ DAKOTA
07010206	401	MISS R ABV METRO WASTE	8.8	FEC, TURB, COPPER	RAMSEY
07010207	111	BOGUS CR	11.9	DO	MILLE LACS
07010207	211	BOGUS CR	1.8	DO	MILLE LACS
07020003	013	CANBY CR	12.5	HIGH PH	YELLOW MEDICINE
07020003	103	W BR LAC QUI PARLE R BLW	1.5	DO	LAC QUI PARLE
07020003	115	CANBY CREEK	9.3	DO, CL, COND	YELLOW MEDICINE
07020005	015	*A (OUTLET CREEK)	8.3	DO	POPE
07020006	001	REDWOOD R	2.9	COND	REDWOOD
07020008	208	UNNAMED CR TO PELL CR	7.2	DO	REDWOOD
07020009	010	CENTER CR	19.4	FEC, DO, NH3, COND	MARTIN/ FARIBAULT
07020011	014	LE SUEUR R	49.9	HIGH PH, NH3	BLUE EARTH
07020012	009	HIGH ISLAND CR	22.6	DO, COND	SIBLEY
07020012	024	RAVEN STREAM	13.1	CL, COND	LESUEUR/ SCOTT
07020012	101	MINNESOTA RIVER	22.0	NH3	DAKOTA/ HENNEPIN/ SCOTT
07020012	124	E BR RAVEN STREAM	10.1	DO, NH3, CL, COND	LESUEUR/ SCOTT
07020012	224	E BR RAVEN STRM TRIB	6.2	DO, NH3, CL, COND	LESUEUR/ SCOTT
07040002	021	STRAIGHT R	4.7	FEC	STEELE
07040004	016	ZUMBRO, S FK	11.7	CL, TURB	OLMSTEAD
07040008	001	ROOT R	6.0	FEC, CHROMIUM	HOUSTON
07040008	002	ROOT R	11.3	FEC, CHROMIUM	HOUSTON
07080201	321	CEDAR R ABV UPPER AUSTIN DAM	4.9	FEC	MOWER
07080202	009	SHELL ROCK R	9.8	FEC, HIGH PH, NH3, TURB	FREEBORN
07100001	101	DES MOINES R	24.6	DO, CL, TURB	COTTONWOOD/ JACKSON
07100001	131	OKABENA CREEK	11.0	CL, COND	JACKSON/ NOBLES
07100003	021	DES MOINES R, E BR (W FORK)	28.5	FEC, DO, COND	MARTIN
09020302	130	COBURN CREEK	3.3	DO, CL	BELTRAMI
09020305	112	LOST RIVER	46.2	HIGH PH, NH3	RED LAKE/CLEARWATER
09030005	019	LITTLE FORK R	17.6	DO, TURB	ST. LOUIS
09030009	116	WILLIAMS CK (CD-1)	12.7	DO	LAKE OF THE WOODS
10170203	033	PIPESTONE CR	22.0	FEC, DO, NH3, COND	PIPESTONE
10170204	025	ROCK R	12.9	TURB, FEC	ROCK

SIGNIFICANT EFFLUENT VIOLATIONS	DISCHARGERS AFFECTING REACH	ACTIONS TAKEN
FEC COLI FEC COLI, TRC CBOD5 HIGH PH TSS PH, CBOD-5 CBOD5 TSS, FEC COLI, CBOD-5	WESTERN LAKE SUPERIOR DISTRICT BOVEY-COLERAINE-TACONITE WADENA COLD SPRING MELROSE SAUK CENTER EDEN VALLEY EDEN VALLEY LITCHFIELD BROWNTON/GREEN GIANT-GLENCOE/ STEWART	#8 ON NEEDS LIST NEW PLANT STARTED OPERATIONS 9-87 STARTED OPERATIONS 2-91, OLD VIOLATIONS - STARTED OPERATIONS 11-90 STARTED OPERATIONS 7-90 #58 ON NEEDS LIST PLANT UPGRADED IN 84 PLANT UPGRADED IN 84 #31 ON NEEDS LIST, CITY SEEKING VARIANCE NEW PLANT STARTED OPERATIONS 7-90/ TSS LIMIT REDUCED/ NEW PLANT STARTED OPERATIONS 10-88
SULFIDE, CR TOTAL RESIDUAL CHLORINE TSS, FEC COLI, CBOD TSS, FEC COLI, CBOD TSS TSS	HUTCHINSON ASHLAND OIL MWCC-METRO METRO CSO BOCK BOCK CANBY AG PROCESSING CANBY GLENWOOD	NEW PLANT STARTED OPERATIONS 6-88 NOTICE OF VIOLATION 2-90 SEVERAL PROJECTS IN PROGRESS TEN YEAR COMBINED SEWER OVERFLOW PLAN #14 ON NEEDS LIST #14 ON NEEDS LIST STARTED OPERATIONS 6-91, OLD VIOLATIONS PROBLEM PROCESSES MODIFIED, OLD VIOLATIONS STARTED OPERATIONS 6-91, OLD VIOLATIONS UPGRADED IN 11-86
TSS, FEC COLI, CBOD-5 FEC COLI, CBOD5 TSS, CBOD-5 TRC, BOD-5, TSS, CBOD-5 TSS DO, CBOD-5, PRSS CBOD5, CD	REDWOOD FALLS/ N REDWOOD WALNUT GROVE FAIRMONT/UNITED FOODS WASECA ARLINGTON NEW PRAGUE MWCC-BLUE LAKE/MWCC-SENECA NEW PRAGUE NEW PRAGUE OWATONNA	NEW PLANT COMPLETED 11-88 #30 ON NEEDS LIST STUDY PLANNED SUMMER 92/REPAIRED PROBLEMS NEW PLANT COMPLETED 7-87 STARTED OPERATIONS 1-90 NEW PLANT COMPLETED 8-89 EXPANSION UNDER CONSTRUCTION/EXPANSION UNDER CONSTRUCTION NEW PLANT COMPLETED 8-89 NEW PLANT COMPLETED 8-89 CONSTRUCTION COMPLETED 6-88, CR ARE OLD VIOLATIONS
LOW PH, TOT NH3, TSS, TP FEC COLI FEC COLI FEC COLI FEC COLI TSS NONE	ROCHESTER HOUSTON HOUSTON BLOOMING PRAIRIE ALBERT LEA WINDOM WORTHINGTON/WORTHINGTON LAGOONS CEYLON BLACKDUCK OKLEE	NEW PLANT COMPLETED 6-83 PERMIT TO BE RE-ISSUED IN 92, LIMITS RE-EVALUATED PERMIT TO BE RE-ISSUED IN 92, LIMITS RE-EVALUATED #67 ON NEEDS LIST UPGRADED 4-83 #87 ON NEEDS LIST STARTED OPERATIONS 1-91 PONDS COMPLETED 11/88 LANDFILL COMPLETED 10-88 EXPECT INITIATION OF OPERATION 8-92
TSS, CBOD-5 CBOD-5 TSS, FEC COLI, CBOD-5	COOK WILLIAMS PIPESTONE LUVERNE	NEW PLANT COMPLETED IN 9-88 #1 ON NEEDS LIST NEW PLANT COMPLETED IN 8-89 NEW PLANT COMPLETED IN 2-86

WATERS WITH SIGNIFICANT WATER QUALITY VIOLATIONS, POLLUTION SOURCE - POINT

Appendix 16

HUC	SEG	REACH NAME	MILES	WATER QUALITY VIOLATIONS	COUNTIES	SIGNIFICANT EFFLUENT VIOLATIONS	DISCHARGERS AFFECTING REACH	ACTIONS TAKEN
07080201	016	CEDAR R	8.4	FECAL,NH3	MOWER	TOTAL AMMONIA	AUSTIN	NOTICE OF VIOLATION 2-90
07020006	106	REDWOOD R	28.3	DO,NH3	LYON	CBOD5	MARSHALL	NOTICE OF VIOLATION 3-91 CHANGED PRE-TREATMENT PROCESSES IN 91

STATION LIST

Routine Water Quality Monitoring Program

Fiscal Year 1992

LAKE SUPERIOR BASIN

<u>River</u>	<u>Station</u>	<u>Location</u>
1. Beaver River*	BV-4	1½ miles SW on CSAH-3 from junction of CSAH-4, 1½ miles north of Beaver Bay
2. St. Louis Bay*	SLB-1	Below interstate 535 bridge, Duluth
3. St. Louis Bay	SL-9	Bridge on SH-23 at Fond du Lac
4. St. Louis River*	SL-38	Bridge on USH-2 near Brookston
5. St. Louis River	SL-110	Bridge on CSAH-7 near Forbes

MINNESOTA RIVER BASIN

6. Minnesota River	MI-3.5	Fort Snelling State Park below airport landing lights
7. Minnesota River*	MI-64	Bridge on SH-19 at Henderson
8. Minnesota River	MI-88	Bridge on SH-22 at St. Peter
9. Minnesota River	MI-133	Bridge on CSAH-24 at Courtland
10. Minnesota River*	MI-196	Bridge on SH-19 and USH-71 at Morton
11. Minnesota River	MI-212	SE from junction of CSAH-21 and 17 to first road to the south crossing Minnesota River
12. Minnesota River	MI-288	Bridge on SH-40, 3 miles W of Milan
13. Blue Earth River*	BE-0	At confluence with Minnesota River in Sibley Park above dam, Mankato
14. Blue Earth River	BE-100	Bridge on CSAH-4, 4 miles south of Blue Earth
15. Yellow Medicine R.	YM-0.5	Bridge on MN-67, 7 miles SE of Granite Falls

Routine Stream Monitoring Program,
Station and Parameter Lists

	<u>River</u>	<u>Station</u>	<u>Location</u>
16.	Yellow Medicine R. (South Branch)	YMS-10.1	Bridge on CSAH-10, Section 3.5, T 113 N, R 43 W, at Minneota
17.	Pomme de Terre R.	PT-10	Bridge on SH-7 at Appleton
18.	Redwood River	RWR-1	Bridge on CSAH-101 at North Redwood
19.	Cottonwood River	CO-0.5	Bridge E of SH-15 bridge at New Ulm
20.	Watonwan River	WA-6	Bridge on CSAH-13, 1 mile west of Garden City
21.	Center Creek	CEC-23.2	Bridge on section road between Section 34 and 35, T103N, R30W, 1 mile NE of Fairmont
22.	Chippewa River	CH-0.5	Bridge on SH-7 at Montevideo

MISSISSIPPI RIVER BASIN

	<u>River</u>	<u>Station</u>	<u>Location</u>
23.	Mississippi River*	UM-698	Bridge on USH-14 at LaCrosse, Wisconsin
24.	Mississippi River	UM-714	Lock and Dam #6, near LaMoille, across at Trempeleau, WI
25.	Mississippi River	UM-738	Lock and Dam #5, SE of Minneiska
26.	Mississippi River	UM-815	Lock and Dam #2 at Hastings
27.	Mississippi River*	UM-826	J.L. Shiely Company Larson Plant Dock at Grey Cloud Island, Cottage Grove
28.	Mississippi River*	UM-840	St. Paul Rowing Club dock below Wabasha Street bridge, St. Paul
29.	Mississippi River	UM-859	Minneapolis waterworks intake, Fridley
30.	Mississippi River	UM-895	Bridge on SH-25 at Monticello
31.	Mississippi River	UM-930	Bridge on SH-152 at Sauk Rapids
32.	Mississippi River	UM-982	Bridge on SH-115 at Camp Ripley
33.	Mississippi River*	UM-1172	Bridge on CR-441, 5 miles SE of Grand Rapids near Blackberry
34.	Mississippi River	UM-1186	Bridge on MN-6, 6 miles SW of Cohasset

	<u>River</u>	<u>Station</u>	<u>Location</u>
35.	Mississippi River	UM-1292	Bridge on CSAH-8, E of Bemidji
36.	Mississippi River*	UM-1365	Bridge on USH-200, ½ mile W of Lake Itasca (town)
37.	Sauk River*	SA-0	Bridge on CSAH-1, N of St. Cloud
38.	Rum River	RUM-34	Bridge on CSAH-5 at Isanti
39.	Rum River	RUM-0.6	Bridge on Pleasant Ave. above dam, at Anoka
40.	Prairie Creek	PRA-0.5	Culverts on 310th St., 4 miles W of Cannon Falls
41.	Cannon River	CA-13	Bridge on CSAH-7 at Welch
42.	Straight River	ST-18	Bridge on CR-1, 1 mile SE of Clinton Falls
43.	Long Prairie River	LPR-3	Bridge on USH-10, S of Motley
44.	Salem Creek	SAL-7.2	Bridge on county road in Sec. 19, T106 R15, SW of Salem Corners
45.	Zumbro River, (South Fork)	ZSF-5.7	Bridge on CSAH-14, 3 miles N of Rochester
46.	Whitewater River	WWR-26	Bridge on county road, E ½ of Sec. 2, T106R10, NW of Utica
47.	Root River	RT-3	Bridge on SH-26, 3 miles E of Hokah
48.	Vermillion River	VR-32.5	Bridge on Blain Avenue, Farmington
49.	Garvin Brook	GB-4.5	Bridge on CSAH-23, 1.5 miles SW of Minnesota City
50.	Robinson Creek	ROB-0.03	Bridge on dead end county road at High Forest, between Sec. 6 and Sec. 31
51.	Crow River	CR-0.2	Bridge on CSAH-36 at Dayton

ST. CROIX RIVER BASIN

	<u>River</u>	<u>Station</u>	<u>Location</u>
52.	St. Croix River*	SC-17	C & NW Railway bridge at Hudson, Wisconsin

	<u>River</u>	<u>Station</u>	<u>Location</u>
53.	St. Croix River	SC-23	Bridge on MN-212 at Stillwater
54.	St. Croix River	SC-111	Bridge on SH-48, 2 miles W of Danbury, Wisconsin
55.	Kettle River	KE-11	Bridge on SH-48, 4½ miles E of Hinckley
56.	Snake River	SN-10	Bridge below outlet of Cross Lake, NE of Pine City
57.	Sunrise River, North Branch	SUN-5	Bridge on MN-95, 4 miles E. of North Branch

CEDAR RIVER BASIN

58.	Cedar River*	CD-10	Bridge on CSAH-14, 3 miles S of Austin
59.	Cedar River	CD-24	Bridge on CSAH-2, ½ mile E of Lansing
60.	Shell Rock River	SR-1.2	Bridge on CSAH-1 near Gordonsville

RED RIVER BASIN

61.	Red River*	RE-300	At Grand Forks waterworks intake, Alemont Ave. S., Grand Forks, ND
62.	Red River	RE-403	Bridge on CSAH-39, W of Perley
63.	Red River*	RE-452	Main and First Avenue Bridge, Moorhead
64.	Red River	RE-536	Bridge on CSAH-18 at Brushvale
65.	Otter Tail River	OT-1	Bridge on 4th Street N in Breckenridge
66.	Red Lake River*	RL-0.2	Bridge on SH-220 at East Grand Forks
67.	Red Lake River	RL-23	Bridge on CSAH-15 at Fisher
68.	Snake River	SK-1.8	Bridge on SH-220, N of Big Woods
69.	Ottertail River	OT-49	Bridge on CSAH-15, 2.5 miles West of Fergus Falls

RAINY RIVER BASIN

<u>River</u>	<u>Station</u>	<u>Location</u>
70. Rainy River*	RA-12	International bridge at Baudette
71. Rainy River*	RA-83	International toll bridge at International Falls
72. Rainy River	RA-86	Railroad Bridge at Ranier
73. Kawishiwi River	KA-10	Bridge on SH-1 at Birch Lake
74. Baudette River	BAU-0.1	Bridge on SH-11, at Baudette
75. Winter Road River	WR-1	Bridge on SH-11, W of Baudette
76. Rapid River	RP-0.1	Bridge on SH-11 at Clemenson
77. Big Fork River	BF-0.5	Bridge on SH-11, 4 miles E. of Lomar
78. Little Fork River	LF-0.5	Bridge on SH-11, W of Pellard

* national fixed station network

PARAMETER LIST
Routine Water Quality Monitoring Program
Fiscal Year 1992

A. Monthly Analysis at all Stations

	<u>STORET Codes</u>	<u>Description</u>
1.	00010	Temperature-C - field
2.	00300	Dissolved Oxygen - field
3.	31613	Fecal Coliform
4.	00310	BOD5 (not at SAL-7.2, PRA-0.5, ROB-0.03)
5.	00530	Suspended solids
6.	00403	pH
7.	00095	Conductivity
8.	00630	Nitrite + Nitrate
9.	00665	Total Phosphorus
10.	00625	Total Kjeldahl Nitrogen
11.	00610	Ammonia Nitrogen
12.	00605	Organic Nitrogen

B. Additional Monthly Analyses at Selected Stations

1.	00940	Chloride - at RE-300, RE-403, RE-452, RE-536, OT-1, RL-0.2, BV-4, SLB-1, GB-4.5, OT-49, RL-23, SK-1.8
2.	32730	Phenols - at RA-12, RA-83, RA-86, WR-1, RP-0.1, BF-0.5, LF-0.5, BAU-0.1
3.	01051	Total Lead - at BV-4, SLB-1
4.	00910	Calcium (as CaCO3) - at BV-4, SLB-1, GB-4.5
5.	00929	Total Sodium - at BV-4, SLB-1, GB-4.5
6.	00945	Total Sulfate - at BV-4, SLB-1, GB-4.5
7.	00958	Reactive Silicate (silica) - at BV-4, SLB-1, GB-4.5
8.	00076	Turbidity - at GB-4.5
9.	00335	COD - at GB-4.5
10.	00680	TOC - at GB-4.5
11.	70507	Ortho Phosphorus - at GB-4.5
12.	00500	Total Solids - at GB-4.5
13.	00505	Total Vol. Solids - at GB-4.5
14.	00535	Dissolved Vol. Solids - at GB-4.5
15.	00065	Water Level Gage Reading - at GB-4.5, WA-6
16.	00410	Total Alkalinity - at SAL-7.2, PRA-0.5, ROB-0.03, GB-4.5
17.	80089	CBOD40 - at SAL-7.2, PRA-0.5, ROB-0.03
18.	31633	E-coli-at UM-930, UM-895, RA-12, RA-83, UM-859, RA-86
19.	00928	Magnesium - at GB-4.5
20.	00937	Total potassium - at GB-4.5
21.	-----	Asbestos fiber (water samples archived) at BV-4(106), 107, 102

C. Additional Analyses at Selected Stations

1.	80082	BOD5-Carbonaceous - In October, July, and August - at SLB-1, SL-9, MI-3.5, MI-64, MI-88, MI-133, ST-18, ZSF-5.7, VR-32.5, CD-10, SR-1.2, RE-452, RE-403, BE-0, UM-815, UM-826, UM-840, RA-83
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PARAMETER LIST
Routine Water Quality Monitoring Program
Fiscal Year 1993

A. Monthly Analyses at all Stations

<u>STORET Codes</u>	<u>Description</u>
1. 00010	Temperature-C - field
2. 00300	Dissolved Oxygen - field
3. 31613	Fecal Coliform
4. 00310	BOD5 (not at SAL-7.2, PRA-0.5, ROB-0.03)
5. 00530	Suspended Solids
6. 00403	pH
7. 00095	Conductivity
8. 00630	Nitrite + Nitrate
9. 00665	Total Phosphorus
10. 00625	Total Kjeldahl Nitrogen
11. 00610	Ammonia Nitrogen
12. 00605	Organic Nitrogen

B. Additional Monthly Analyses at Selected Stations

1. 00940	Chloride - at RE-300, RE-403, RE-452, RE-536, OT-1, RL-0.2, BV-4, SLB-1, GB-4.5
2. 32730	Phenols - at RA-12, RA-83
3. 01051	Total Lead - at BV-4, SLB-1
4. 00910	Calcium (as CaCO3) - at BV-4, SLB-1, GB-4.5
5. 00929	Total Sodium - at BV-4, SLB-1, GB-4.5
6. 00945	Total Sulfate - at BV-4, SLB-1, GB-4.5
7. 00958	Reactive Silicate (silica) - BV-4, SLB-1, GB-4.5
8. 00076	Turbidity - at GB-4.5
9. 00335	COD - at GB-4.5
10. 00680	TOC - at GB-4.5
11. 70507	Ortho Phosphorus - at GB-4.5
12. 00500	Total Solids - at GB-4.5
13. 00505	Total Vol. Solids - at GB-4.5
14. 00535	Dissolved Vol. Solids - at GB-4.5
15. 00065	Water Level Gage Reading - at GB-4.5, WA-6
16. 00410	Total Alkalinity- at SAL-7.2, PRA-0.5, ROB-0.03, GB-4.5
17. 80089	CBOD40 - at SAL-7.2 PRA-0.5, ROB-0.03
18. 31633	E-coli-at UM-930, UM-895, RA-12, RA-83, UM-859
19. 00928	Magnesium - at GB-4.5
20. 00937	Total potassium - at GB-4.5
21. ---	Asbestos fiber (water samples archived) at BV-4(106, 107, 102)

C. Additional Analyses at Selected Stations

1. 80082	BOD5-Carbonaceous - In October, July, and August - at SLB-1, SL-9, MI-3.5, MI-64, MI-88, MI-133, ST-18, ZSF-5.7, VR-32.5, CD-10, SR-1.2, RE-452, RE-403, BE-0, UM-815, UM-826, UM-840, RA-83
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