

## Watershed Summary Information

<b>Accounting Unit Name:</b>	Upper Mississippi-Black-Root
<b>State(s):</b>	MN WI
<b>Political Boundaries:</b>	Buffalo, Winona, Trempealeau, Wabasha, Olmsted, Jackson, Eau Claire, Pepin
<b>Major Waterways:</b>	Mississippi R Whitewater R Buffalo Cr Whitewater R, N Fk Whitewater R, S Fk
<b>Number of Stations in Watershed:</b>	Tier1 - 17 Tier2 - 3 Tier3 - 6

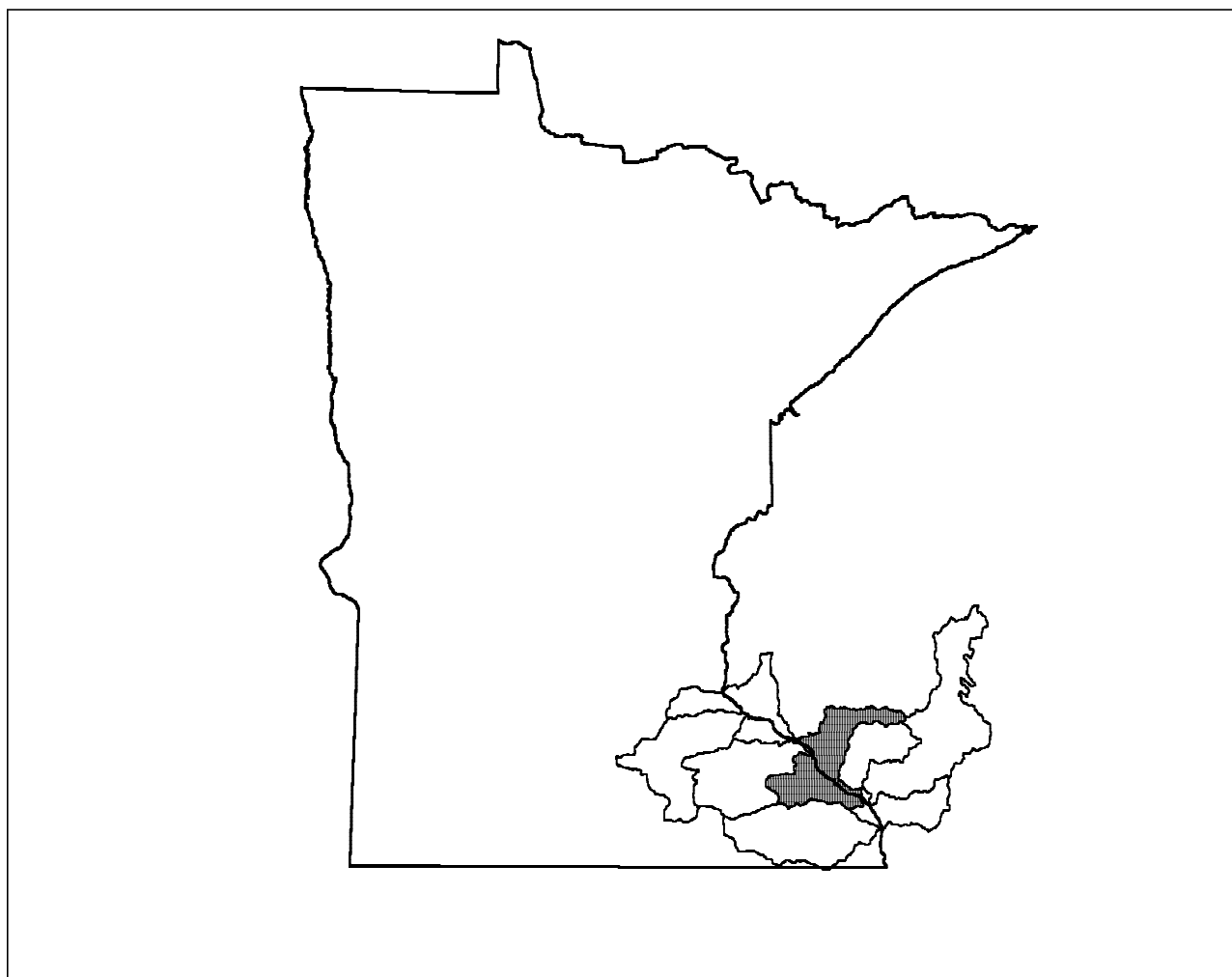


Figure 117. Watershed Location Map

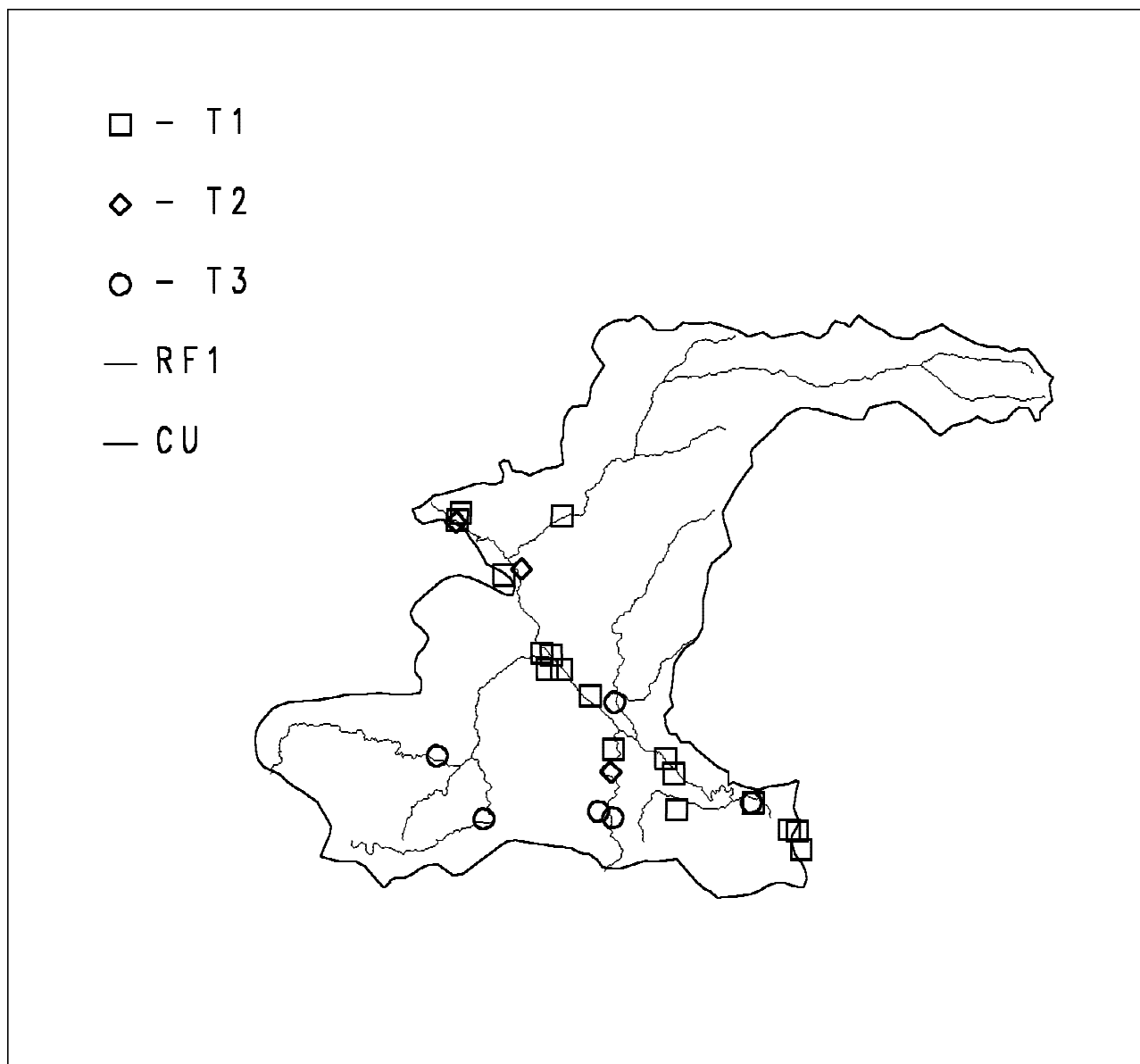


Figure 118. Major Waterways and Location of Sampling Stations

## Data Source(s) Used in Evaluation

Source: **STORET** Agency: **112WRD**  
 Monitoring Program: **US Geological Survey Data**  
 Num. of Stations: 1 Date Range: 1982

Source: **STORET** Agency: **21MINN**  
 Monitoring Program: **Minn Poll Control Agency Stream Data**  
 Num. of Stations: 8 Date Range: 1980-87

Source: **STORET** Agency: **21MINNW**  
 Monitoring Program: **Wildlife Contaminant Data Minn Poll Control Agency**  
 Num. of Stations: 6 Date Range: 1988-90

Source: **STORET** Agency: **21WIS**

Monitoring Program: **Wisconsin DNR Div Env Protection Water And Sediment Data**

Num. of Stations: 1 Date Range: 1987-92

Source: **STORET** Agency: **21WITIS**

Monitoring Program: **Tissue Data Wisconsin Dept of Nat Res Div of Environ Protection**

Num. of Stations: 10 Date Range: 1982-89

## Chemicals Responsible for Sampling Station Classification as Tier 1 or Tier 2

Classifying Parameter	Number of Stations							
	All Parameters				Aquatic Life		Human Health	
	Total	T.1&2	Tier1	Tier2	Tier1	Tier2	Tier1	Tier2
Polychlorinated biphenyls	21	17	17	.	.	.	17	.
Dieldrin	11	6	.	6	.	.	.	6
Cadmium	10	2	.	2	.	2	.	.
Copper	4	1	.	1	.	1	.	.
DDT	8	1	.	1	.	.	.	1
Mercury	14	1	.	1	.	1	.	.
Nickel	3	1	.	1	.	1	.	.

## Sediment Chemistry Data: Chemical Summary

Sediment Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Aldrin	1	0.00	0.00	0	.	.
Arsenic	4	1915.00	1500.00	4	4100.00	560.00
BHC	1	0.00	0.00	0	.	.
Cadmium	7	609.00	589.00	7	885.00	359.00
Chlordane	1	0.00	0.00	0	.	.
Chromium	6	22186.67	23015.00	6	34000.00	9200.00
Copper	14	20112.14	21000.00	14	52000.00	4800.00
Dieldrin	1	0.00	0.00	0	.	.
DDT	3	0.00	0.00	0	.	.
Endosulfan mixed isomers	1	0.00	0.00	0	.	.
Endrin	1	0.00	0.00	0	.	.
Heptachlor	1	0.00	0.00	0	.	.
Heptachlor epoxide	1	0.00	0.00	0	.	.
Lead	14	16652.86	17245.00	14	25000.00	8090.00
Mercury	12	96.17	105.00	10	230.00	22.00
Methoxychlor	1	0.00	0.00	0	.	.
Mirex/Dechlorane	1	0.00	0.00	0	.	.
Nickel	4	15807.50	11595.00	4	32400.00	7640.00
Polychlorinated biphenyls	1	0.00	0.00	0	.	.
Toxaphene	1	0.00	0.00	0	.	.
Zinc	4	36427.50	32450.00	4	58310.00	22500.00

## Tissue Residue Data: Chemical Summary

Tissue Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Aldrin	7	0.31	0.41	7	0.74	0.01
Arsenic	5	0.00	0.00	0	.	.
BHC	14	0.03	0.00	6	0.34	0.01
Cadmium	9	37.78	40.00	9	100.00	4.00
Chlordane	52	0.08	0.00	25	0.35	0.02
Chromium	6	28.33	15.00	5	90.00	10.00
Copper	1	870.00	870.00	1	870.00	870.00
Dieldrin	20	6.57	1.40	14	24.30	0.42
DDT	55	19.56	0.10	34	395.50	0.01
Endrin	7	0.04	0.03	4	0.09	0.03
Heptachlor epoxide	7	0.21	0.20	4	0.52	0.20
Hexachlorobenzene	7	0.36	0.37	7	0.47	0.30
Lead	6	40.00	30.00	5	110.00	10.00
Mercury	19	176.32	130.00	18	700.00	20.00
Nickel	1	250.00	250.00	1	250.00	250.00
Polychlorinated biphenyls	224	1348.31	437.50	162	23000.00	0.85
Selenium	5	522.00	490.00	5	680.00	420.00