

Watershed Summary Information

Accounting Unit Name:	Upper Illinois
State(s):	IL WI
Political Boundaries:	Mchenry, Racine, Lake, Waukesha, Walworth, Kenosha, Kane
Major Waterways:	Fox R White R Sugar Cr Wonder L Fox L
Number of Stations in Watershed:	Tier1 - 15 Tier2 - 40 Tier3 - 5

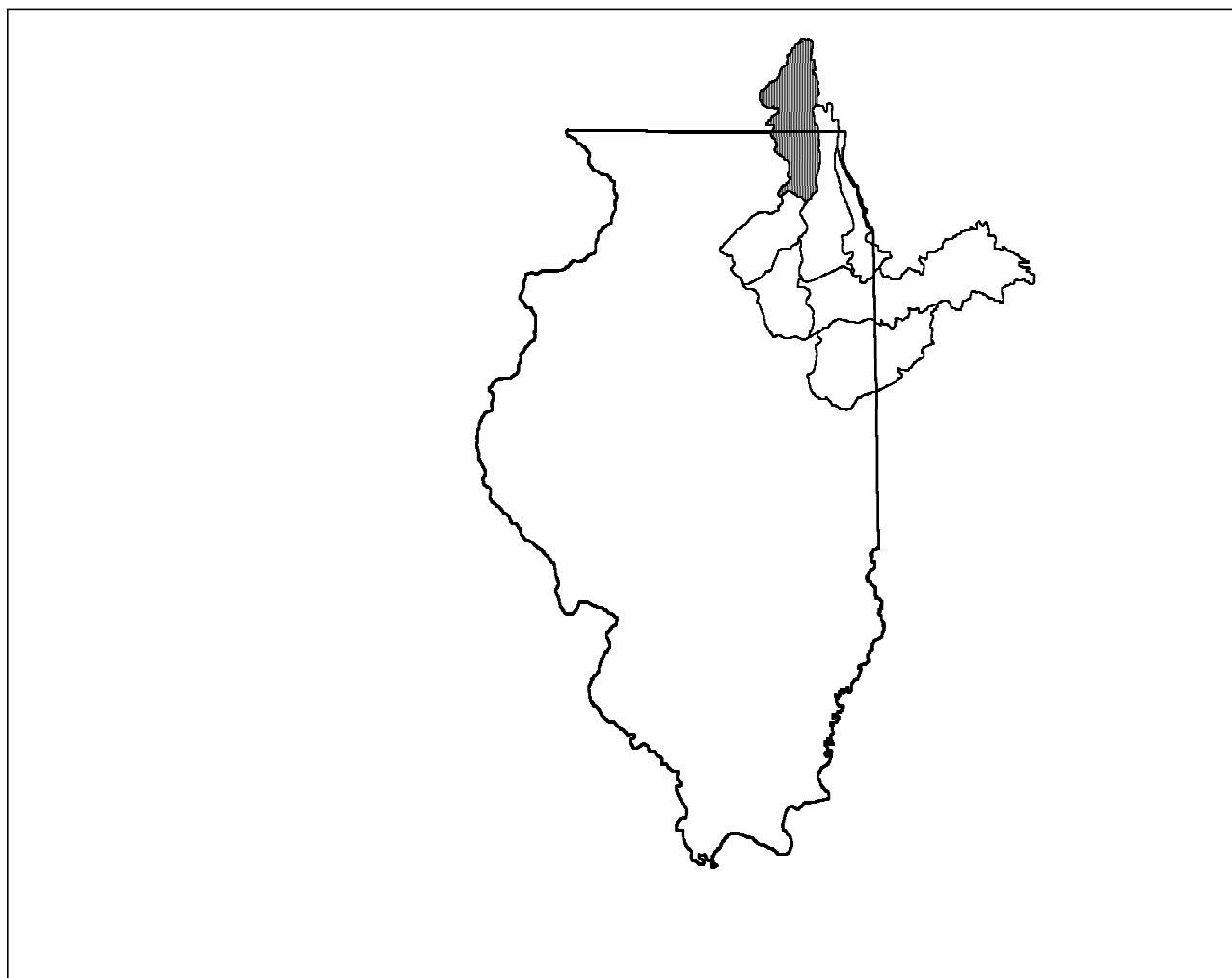


Figure 129. Watershed Location Map

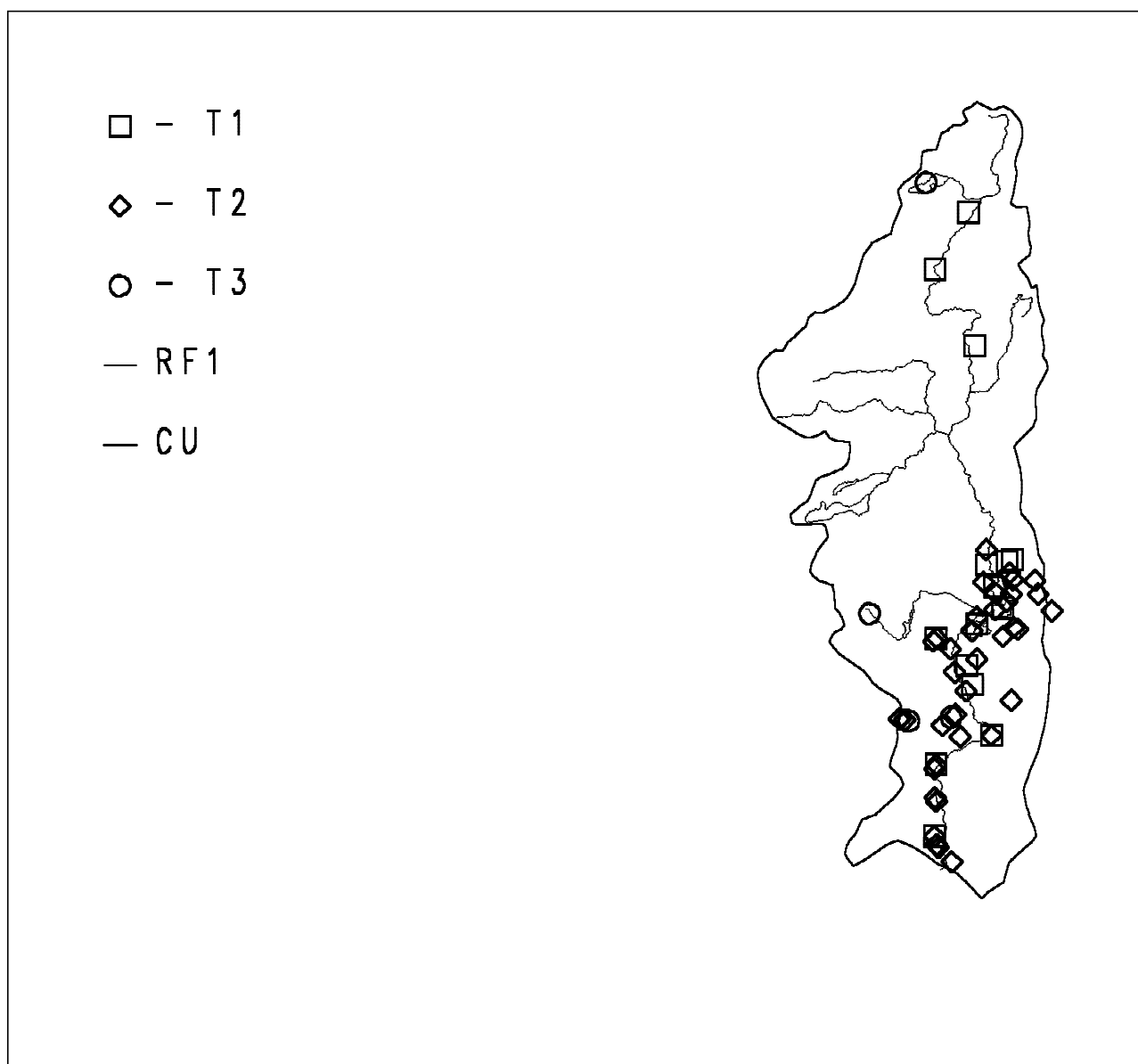


Figure 130. Major Waterways and Location of Sampling Stations

Data Source(s) Used in Evaluation

Source: **STORET** Agency: **21ILFISH**
 Monitoring Program: **USEPA Region 5 Data**
 Num. of Stations: 14 Date Range: 1980-91

Source: **STORET** Agency: **21ILLAKE**
 Monitoring Program: **USEPA Region 5 Data**
 Num. of Stations: 25 Date Range: 1983-92

Source: **STORET** Agency: **21ILSED**
 Monitoring Program: **Illinois EPA Div of Water Pollution Control Data**
 Num. of Stations: 15 Date Range: 1980-82

Source: **STORET** Agency: **21ILSPEC**

Monitoring Program: **Special Sampling Done By COE For State of Illinois EPA Division of Water Pollution Control**

Num. of Stations: 2 Date Range: 1984

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

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

Num. of Stations: 1 Date Range: 1981-82

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

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

Num. of Stations: 3 Date Range: 1981-85

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
Copper	45	32	.	32	.	32	.	.
Polychlorinated biphenyls	57	29	15	14	.	5	15	14
Lead	44	28	.	28	.	28	.	.
Cadmium	44	17	.	17	.	17	.	.
Dieldrin	56	16	.	16	.	8	.	16
Arsenic	45	14	.	14	.	14	.	.
DDT	55	13	.	13	.	11	.	5
Mercury	48	12	.	12	.	12	.	.
Zinc	42	11	.	11	.	11	.	.
Nickel	19	10	.	10	.	10	.	.
Chlordane	56	8	.	8	.	5	.	5
Aldrin	52	2	.	2	.	.	.	2
Heptachlor epoxide	53	2	.	2	.	.	.	2
BHC	49	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	40	0.00	0.00	0	.	.
Arsenic	50	6590.00	5000.00	50	25000.00	1000.00
BHC	95	0.00	0.00	0	.	.
Cadmium	50	896.00	0.00	21	4000.00	500.00
Chlordane	155	0.39	0.00	17	8.00	2.00
Chromium	50	15248.00	15350.00	50	34000.00	2500.00
Copper	50	31248.00	26950.00	50	87000.00	8000.00
Dieldrin	45	0.34	0.00	8	2.60	1.30
DDT	285	0.72	0.00	33	34.00	1.00
Endrin	40	0.00	0.00	0	.	.

Sediment Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Heptachlor	40	0.00	0.00	0	.	.
Heptachlor epoxide	45	0.10	0.00	2	2.70	1.90
Hexachlorobenzene	40	0.00	0.00	0	.	.
Lead	50	50224.00	41650.00	46	143000.0	10000.00
Mercury	50	106.96	70.00	36	580.00	5.00
Methoxychlor	40	0.00	0.00	0	.	.
Nickel	19	15068.42	17000.00	18	32900.00	3100.00
Polychlorinated biphenyls	45	10.29	0.00	15	140.00	13.00
Silver	19	0.00	0.00	0	.	.
Zinc	50	100288.0	94500.00	50	236400.0	20000.00

Tissue Residue Data: Chemical Summary

Tissue Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Aldrin	78	1.01	0.00	3	60.00	0.06
Arsenic	11	0.00	0.00	0	.	.
BHC	146	0.65	0.00	5	41.00	8.00
Cadmium	10	0.00	0.00	0	.	.
Chlordane	142	20.49	2.50	72	489.00	2.00
Chlorpyrifos/Dursban	10	9.90	0.00	4	34.00	14.00
Chromium	10	0.00	0.00	0	.	.
Copper	11	1481.82	1500.00	11	1900.00	700.00
Dieldrin	102	2.89	0.00	20	28.00	1.00
DDT	153	78.92	60.00	108	1074.00	5.00
Endrin	78	0.13	0.00	1	10.00	10.00
Heptachlor	69	0.00	0.00	0	.	.
Heptachlor epoxide	84	0.49	0.00	9	26.00	0.01
Hexachlorobenzene	72	0.00	0.00	0	.	.
Lead	10	0.00	0.00	0	.	.
Mercury	14	180.71	150.00	14	500.00	30.00
Methoxychlor	78	0.00	0.00	0	.	.
Mirex/Dechlorane	59	0.00	0.00	0	.	.
Polychlorinated biphenyls	105	327.70	230.00	70	2300.00	47.00
Toxaphene	68	0.00	0.00	0	.	.