

Watershed Summary Information

Accounting Unit Name:	Upper Illinois
State(s):	IL WI
Political Boundaries:	Will, Cook, Du Page, Lake, Kenosha, Grundy, Racine
Major Waterways:	Des Plaines R Du Page R Chicago Ship Canal Calumet Sag Channel Du Page R, W Br
Number of Stations in Watershed:	Tier1 - 61 Tier2 - 43 Tier3 - 6

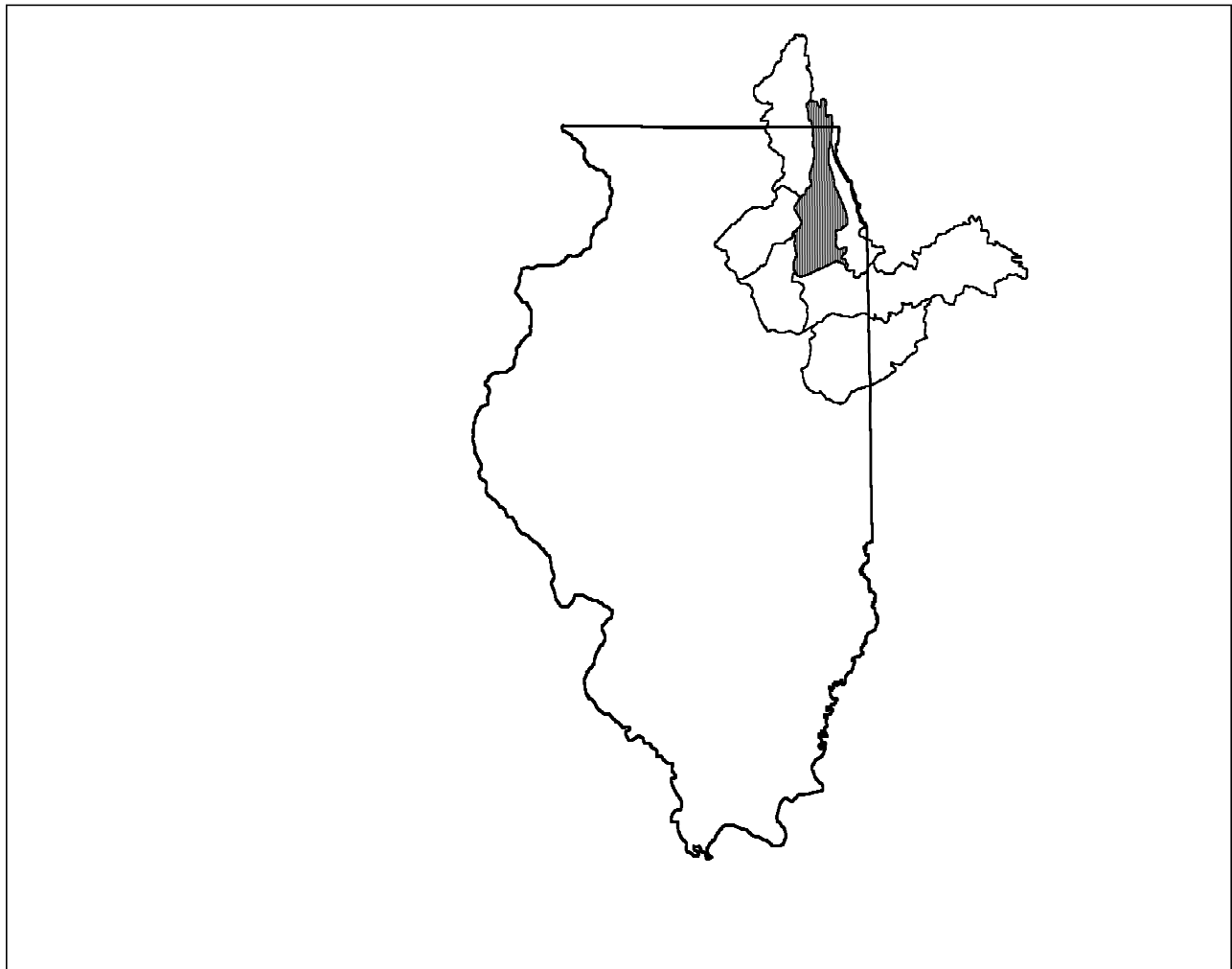


Figure 127. Watershed Location Map

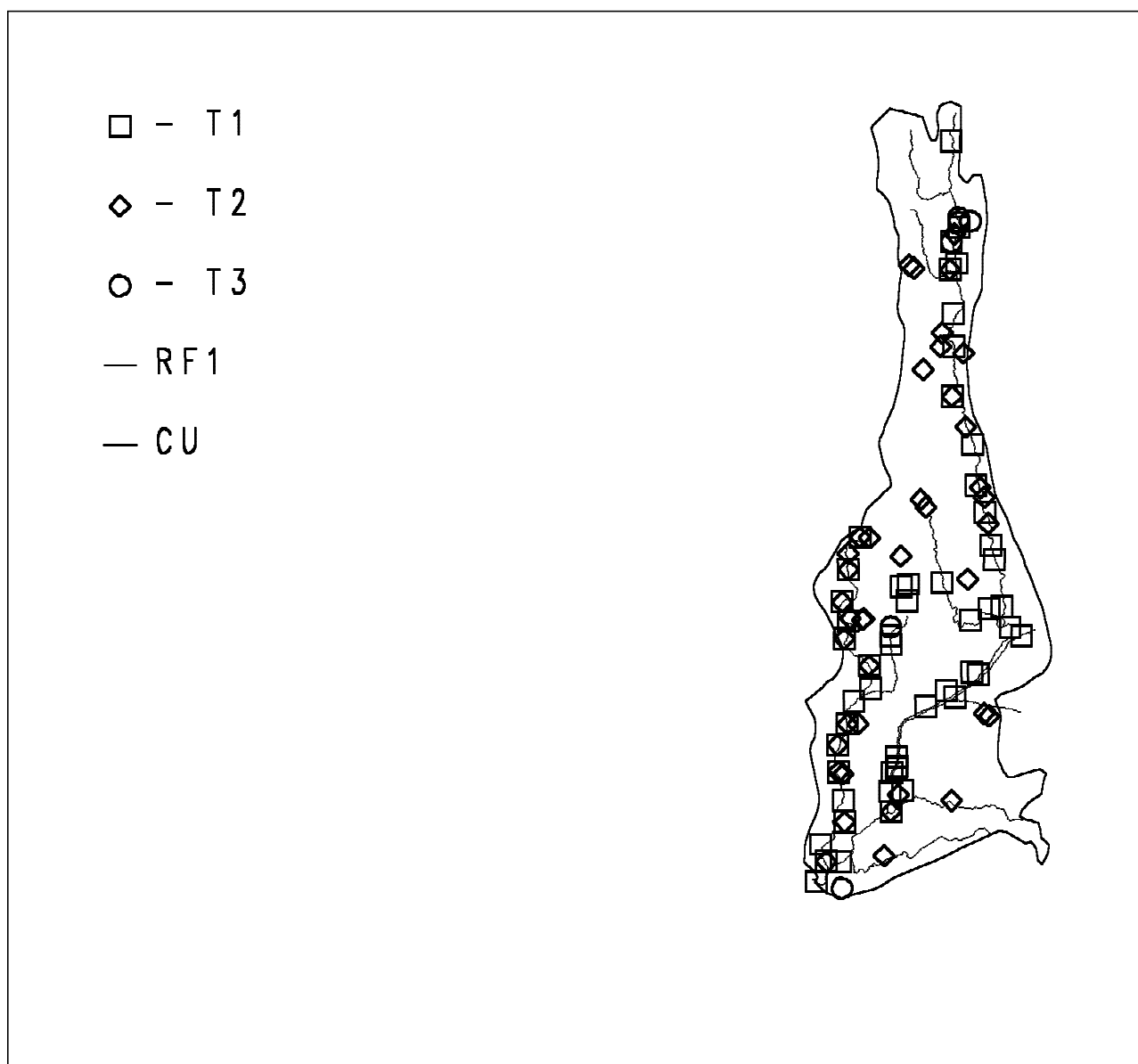


Figure 128. Major Waterways and Location of Sampling Stations

Data Source(s) Used in Evaluation

Source: **STORET** Agency: **11BIOACC**
 Monitoring Program: **USEPA National Bioaccumulation Study**
 Num. of Stations: 1 Date Range: 1984

Source: **STORET** Agency: **21ILFISH**
 Monitoring Program: **USEPA Region 5 Data**
 Num. of Stations: 47 Date Range: 1980-91

Source: **STORET** Agency: **21ILLAKE**
 Monitoring Program: **USEPA Region 5 Data**
 Num. of Stations: 19 Date Range: 1988-92

Source: **STORET** Agency: **21ILSED**
 Monitoring Program: **Illinois EPA Div of Water Pollution Control Data**
 Num. of Stations: 39 Date Range: 1980-89

Source: **STORET** Agency: **21WITIS**
 Monitoring Program: **Tissue Data Wisconsin Dept of Nat Res Div of Environ Protection**
 Num. of Stations: 4 Date Range: 1981-88

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
Dieldrin	104	82	.	82	.	40	.	79
Polychlorinated biphenyls	107	78	54	24	10	15	44	34
DDT	104	61	11	50	11	28	.	43
Copper	58	57	.	57	.	57	.	.
Chlordane	104	51	.	51	.	30	.	44
Lead	58	48	.	48	.	48	.	.
Arsenic	58	36	.	36	.	36	.	.
Cadmium	58	36	.	36	.	36	.	.
Zinc	58	36	.	36	.	36	.	.
Mercury	60	30	12	18	12	18	.	.
Nickel	25	25	.	25	.	25	.	.
Heptachlor epoxide	103	12	.	12	.	.	.	12
Chromium	58	11	3	8	3	8	.	.
BHC	103	6	.	6	.	.	.	6
Aldrin	102	4	.	4	.	.	.	4
Silver	25	3	3	.	3	.	.	.
Dioxins	1	1	1	.	.	.	1	.
Heptachlor	103	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	70	0.00	0.00	0	.	.
Arsenic	76	10172.11	8000.00	76	49000.00	3200.00
BHC	184	0.00	0.00	0	.	.
Cadmium	76	10223.68	1000.00	49	290000.0	1000.00
Chlordane	303	3.83	0.00	117	56.00	2.00
Chromium	76	88448.68	38000.00	76	890000.0	10000.00
Copper	76	103657.9	54500.00	76	525000.0	17000.00
Dieldrin	71	4.59	3.30	49	28.00	1.00
DDT	497	12.68	0.00	137	540.00	1.00
Endrin	71	0.00	0.00	0	.	.

Sediment Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Heptachlor	71	0.00	0.00	0	.	.
Heptachlor epoxide	71	0.33	0.00	11	5.40	1.00
Hexachlorobenzene	71	0.04	0.00	1	2.60	2.60
Lead	76	126865.8	74000.00	76	750000.0	12000.00
Mercury	76	1003.42	210.00	68	17270.00	15.00
Methoxychlor	71	0.09	0.00	1	6.20	6.20
Nickel	25	37844.00	34000.00	25	135000.0	17000.00
Polychlorinated biphenyls	72	366.89	29.00	49	12000.00	10.00
Silver	25	1108.00	0.00	3	15800.00	4600.00
Zinc	76	440484.2	183000.0	76	5060000	62000.00

Tissue Residue Data: Chemical Summary

Tissue Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Aldrin	95	0.59	0.00	4	26.00	10.00
Biphenyl	1	0.00	0.00	0	.	.
BHC	203	2.33	0.00	18	83.00	1.00
Chlordane	161	75.30	40.00	116	680.00	1.00
Chlorpyrifos/Dursban	20	50.10	31.50	20	179.00	11.00
Dicofol/Kelthane	1	3.10	3.10	1	3.10	3.10
Dieldrin	127	39.01	32.00	101	270.00	3.00
Dioxins	2	0.02	0.02	2	0.02	0.02
DDT	169	298.45	134.00	122	4800.00	10.00
Endrin	96	0.06	0.00	1	5.91	5.91
Heptachlor	96	0.53	0.00	1	51.00	51.00
Heptachlor epoxide	117	4.40	0.00	47	41.00	0.01
Hexachlorobenzene	105	0.50	0.00	4	25.00	0.01
Hexachlorobutadiene	1	0.00	0.00	0	.	.
Isopropalin	1	0.00	0.00	0	.	.
Mercury	4	81.00	62.00	4	160.00	40.00
Methoxychlor	96	0.00	0.00	0	.	.
Mirex/Dechlorane	96	0.61	0.00	2	50.00	8.63
Pentachlorobenzene	1	3.40	3.40	1	3.40	3.40
Pentachloronitrobenzene/Quin	1	0.00	0.00	0	.	.
Polychlorinated biphenyls	136	1390.36	670.50	112	10000.00	39.00
Tetrachlorobenzene, 1,2,4,5-	1	0.00	0.00	0	.	.
Toxaphene	95	0.00	0.00	0	.	.
Trichlorobenzene, 1,2,4-	1	0.00	0.00	0	.	.
Trifluralin/Treflan	1	0.00	0.00	0	.	.