

## Watershed Summary Information

<b>Accounting Unit Name:</b>	Lower Illinois
<b>State(s):</b>	IL
<b>Political Boundaries:</b>	Marshall, Woodford, La Salle, Putnam, Tazewell, Peoria, Bureau, Lee, De Kalb, Stark
<b>Major Waterways:</b>	Illinois R Big Bureau Cr Crow Cr Upper Peoria L Senachwine L
<b>Number of Stations in Watershed:</b>	Tier1 - 11 Tier2 - 10 Tier3 - .

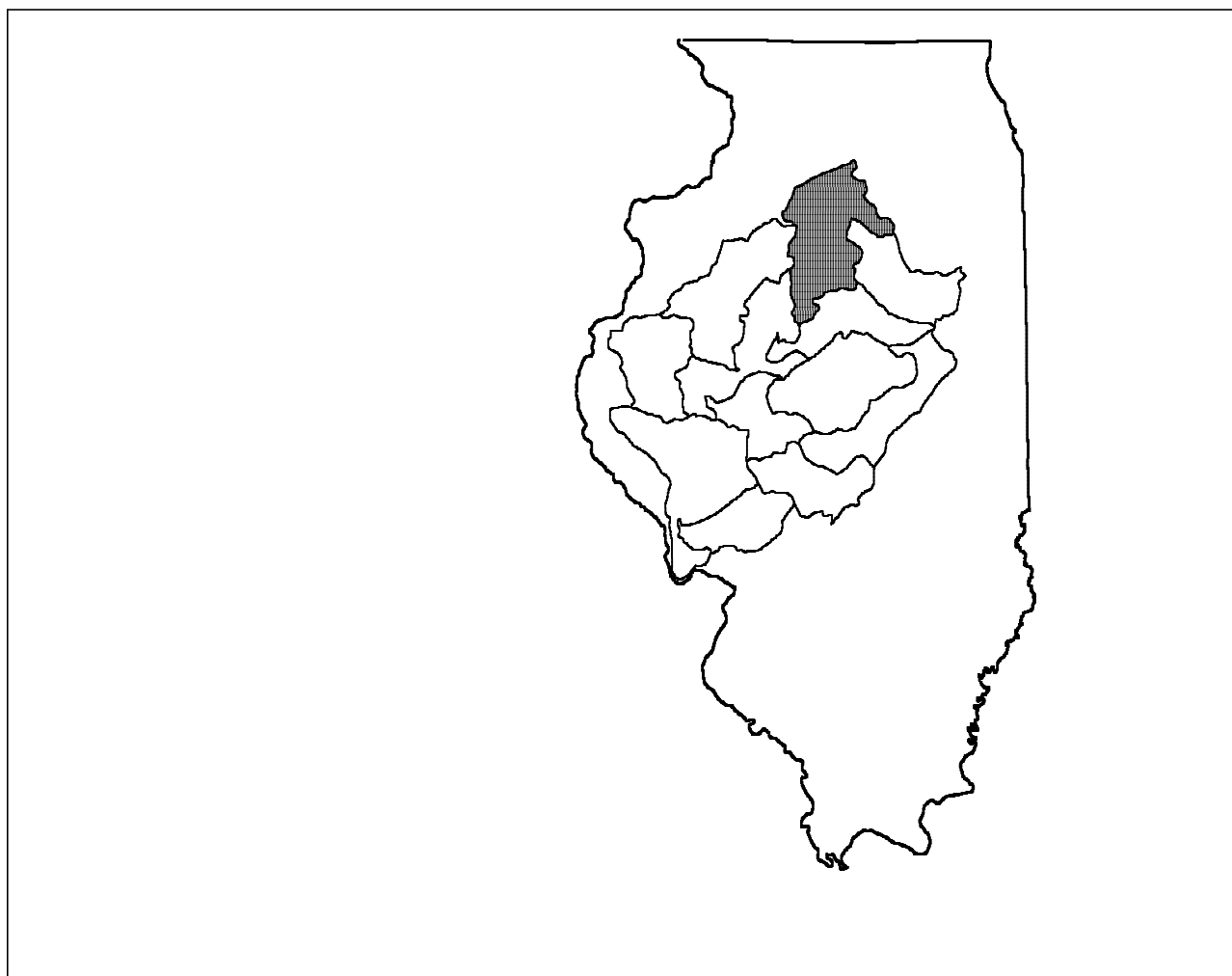


Figure 131. Watershed Location Map

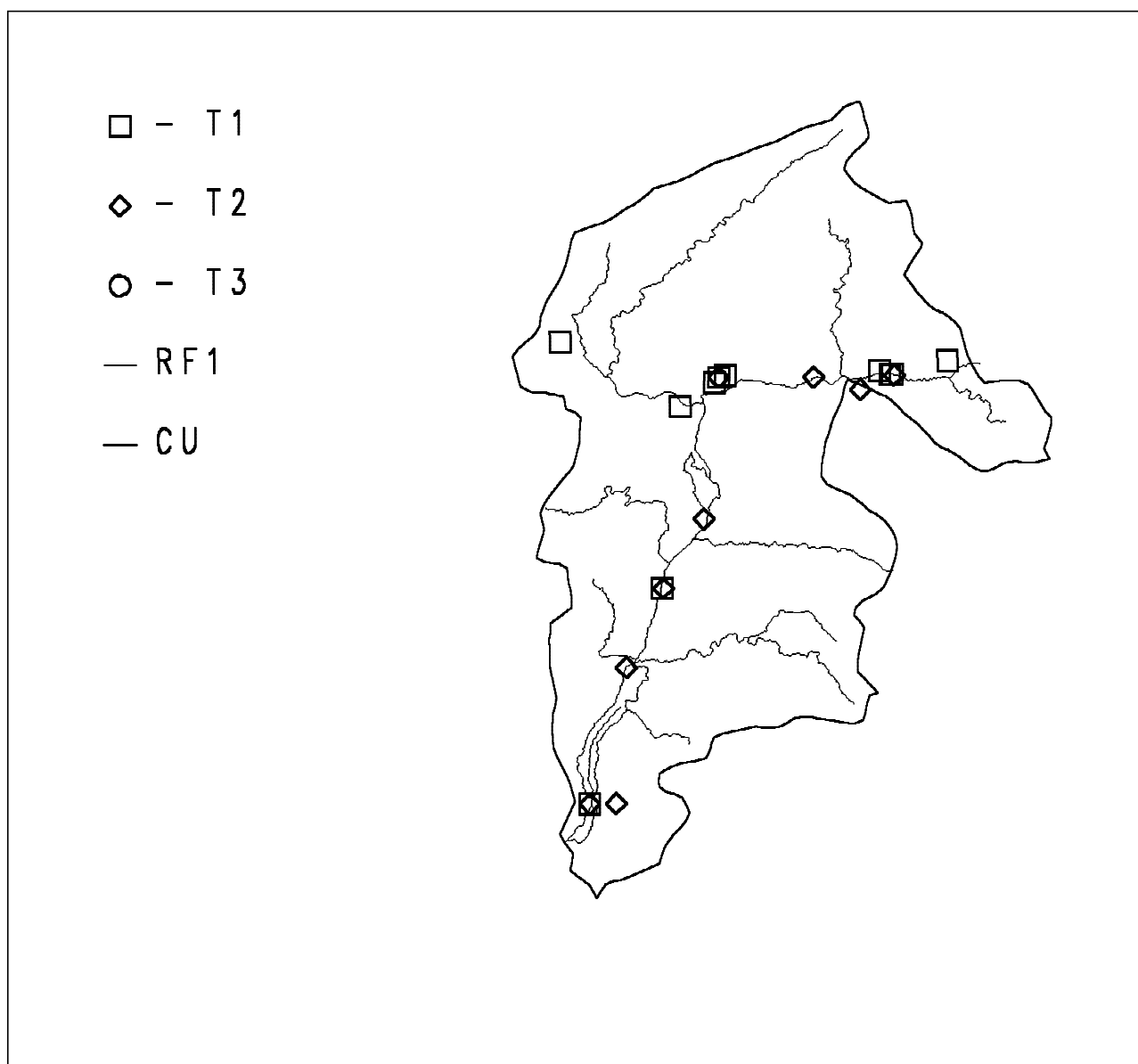


Figure 132. Major Waterways and Location of Sampling Stations

## Data Source(s) Used in Evaluation

Source: **STORET** Agency: **11140100**  
 Monitoring Program: **USEPA Region 5 Data**  
 Num. of Stations: 1 Date Range: 1980

Source: **STORET** Agency: **21ILFISH**  
 Monitoring Program: **USEPA Region 5 Data**  
 Num. of Stations: 9 Date Range: 1982-92

Source: **STORET** Agency: **21ILLAKE**  
 Monitoring Program: **USEPA Region 5 Data**  
 Num. of Stations: 3 Date Range: 1983-92

Source: **STORET** Agency: **21ILSED**

Monitoring Program: **Illinois EPA Div of Water Pollution Control Data**

Num. of Stations: 8 Date Range: 1982-90

## 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	20	17	8	9	.	7	8	9
Dieldrin	20	13	.	13	.	4	.	13
Nickel	12	12	.	12	.	12	.	.
Copper	12	10	.	10	.	10	.	.
Zinc	12	10	.	10	.	10	.	.
Mercury	12	9	3	6	3	6	.	.
Lead	12	8	.	8	.	8	.	.
DDT	20	7	.	7	.	4	.	3
Arsenic	12	6	.	6	.	6	.	.
Chlordane	20	6	.	6	.	.	.	6
Cadmium	12	5	.	5	.	5	.	.
Heptachlor epoxide	20	5	.	5	.	.	.	5
Aldrin	19	4	.	4	.	.	.	4
Chromium	12	4	.	4	.	4	.	.
Silver	12	4	.	4	.	4	.	.
BHC	19	2	.	2	.	.	.	2
Heptachlor	19	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	12	0.00	0.00	0	.	.
Antimony	1	0.00	0.00	0	.	.
Arsenic	21	8347.62	9100.00	21	18000.00	1000.00
BHC	25	0.00	0.00	0	.	.
Cadmium	21	10047.62	2000.00	12	53000.00	2000.00
Chlordane	44	0.00	0.00	0	.	.
Chromium	21	39642.86	41900.00	21	56300.00	14600.00
Copper	21	79109.52	63100.00	21	324000.0	13000.00
Dieldrin	18	2.34	1.25	9	8.90	2.50
DDT	90	0.36	0.00	5	13.00	1.40
Endrin	12	0.00	0.00	0	.	.
Heptachlor	12	0.00	0.00	0	.	.
Heptachlor epoxide	18	0.00	0.00	0	.	.
Hexachlorobenzene	12	0.00	0.00	0	.	.

Sediment Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Lead	21	56961.90	49000.00	21	160000.0	5000.00
Mercury	20	398.50	235.00	19	1784.00	46.00
Methoxychlor	12	0.00	0.00	0	.	.
Nickel	14	29235.71	27100.00	14	42400.00	16000.00
Polychlorinated biphenyls	18	21.30	20.50	14	55.00	14.00
Silver	14	598.57	0.00	6	2400.00	500.00
Zinc	21	4471524	200000.0	21	40870000	44000.00

## Tissue Residue Data: Chemical Summary

Tissue Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Aldrin	50	2.78	0.00	8	38.00	6.00
BHC	102	1.20	0.00	12	37.00	1.00
Chlordane	57	92.42	55.00	52	770.00	7.00
Chlorpyrifos/Dursban	2	15.00	15.00	2	19.00	11.00
Dieldrin	54	64.44	48.50	50	280.00	1.00
DDT	54	150.80	110.00	51	800.00	4.00
Endrin	51	0.00	0.00	0	.	.
Heptachlor	51	1.16	0.00	2	34.00	25.00
Heptachlor epoxide	54	6.61	0.00	25	91.00	0.02
Hexachlorobenzene	51	0.31	0.00	1	16.00	16.00
Mercury	1	170.00	170.00	1	170.00	170.00
Methoxychlor	51	1.12	0.00	1	57.00	57.00
Mirex/Dechlorane	51	0.00	0.00	0	.	.
Polychlorinated biphenyls	54	812.63	445.00	42	5600.00	50.00
Toxaphene	51	0.00	0.00	0	.	.