

**Watershed Summary Information**

**Accounting Unit Name:** Kaskaskia

**State(s):** IL

**Political Boundaries:** Moultrie, Shelby, Fayette, Piatt, Douglas, Champaign, Coles, Christian

**Major Waterways:** Kaskaskia R  
W Okaw R  
Kaskaskia R, Lake Fk  
Becks Cr  
L Shelbyville

**Number of Stations in Watershed:** Tier1 - 31  
Tier2 - 24  
Tier3 - .

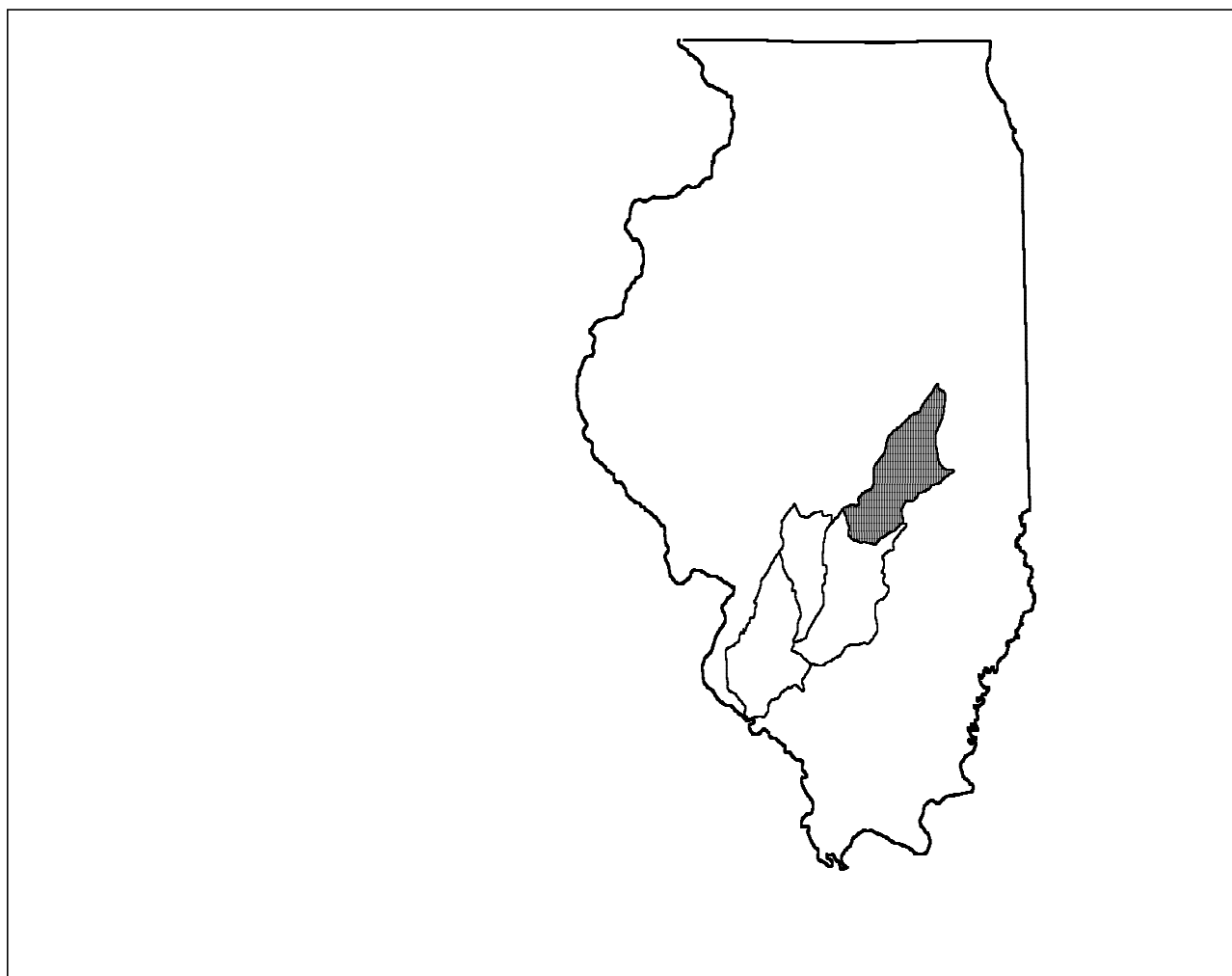


Figure 137. Watershed Location Map

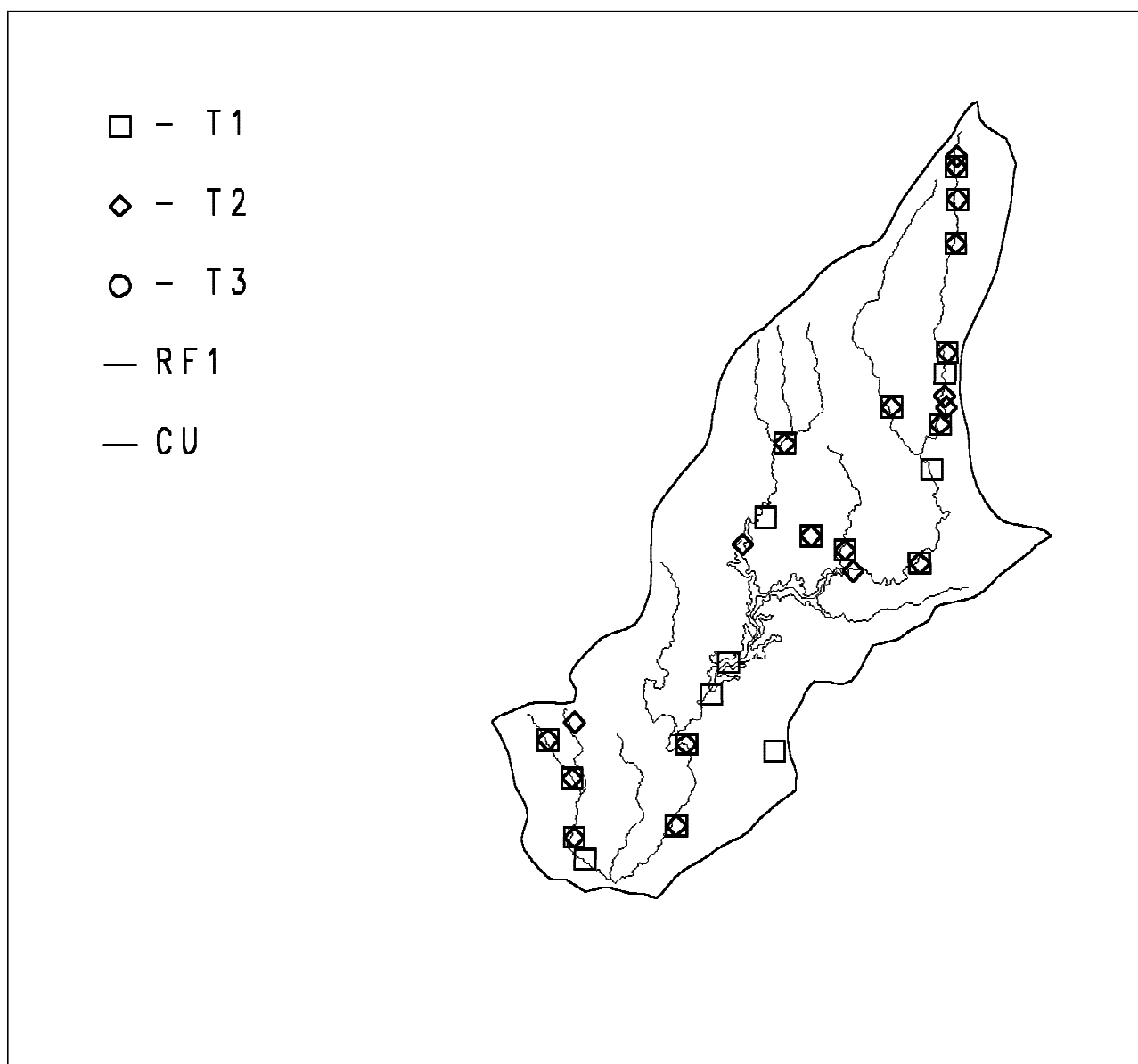


Figure 138. Major Waterways and Location of Sampling Stations

## Data Source(s) Used in Evaluation

Source: **GR. LAKE** Agency: **11**

Monitoring Program: **Illinois EPA**

Num. of Stations: 14 Date Range: 1983

Source: **STORET** Agency: **21ILFISH**

Monitoring Program: **USEPA Region 5 Data**

Num. of Stations: 20 Date Range: 1980-92

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

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

Num. of Stations: 21 Date Range: 1980-91

## 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	52	52	14	38	14	18	.	52
Chlordane	49	45	.	45	.	26	.	42
Heptachlor epoxide	46	30	.	30	.	.	.	30
Polychlorinated biphenyls	44	29	23	6	6	2	17	12
Copper	35	5	.	5	.	5	.	.
Lead	35	4	.	4	.	4	.	.
Mercury	34	4	.	4	.	4	.	.
Aldrin	38	2	.	2	.	.	.	2
BHC	38	2	.	2	.	1	.	1
Arsenic	35	1	.	1	.	1	.	.
Heptachlor	38	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	29	0.00	0.00	0	.	.
Arsenic	47	4731.91	4900.00	47	9200.00	2800.00
BHC	86	0.01	0.00	1	1.00	1.00
Cadmium	47	0.00	0.00	0	.	.
Chlordane	154	826.00	0.00	71	46000.00	1.20
Chromium	47	15829.79	16000.00	47	29000.00	2000.00
Copper	47	14361.70	16000.00	47	22000.00	4000.00
Dieldrin	43	2742.84	9.30	43	27000.00	1.90
DDT	203	0.00	0.00	0	.	.
Endrin	29	0.00	0.00	0	.	.
Heptachlor	29	0.00	0.00	0	.	.
Heptachlor epoxide	37	815.35	1.80	24	17000.00	1.10
Hexachlorobenzene	29	0.00	0.00	0	.	.
Lead	47	61531.91	18000.00	46	1600000	8000.00
Mercury	36	95.00	40.00	36	550.00	20.00
Methoxychlor	29	0.17	0.00	1	5.00	5.00
Nickel	4	12750.00	14000.00	4	14000.00	9000.00
Polychlorinated biphenyls	35	2836.34	0.00	14	34000.00	10.00
Silver	4	0.00	0.00	0	.	.
Zinc	47	61744.68	61000.00	47	120000.0	30000.00

## Tissue Residue Data: Chemical Summary

Tissue Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Aldrin	88	0.55	0.00	3	21.00	10.00
BHC	177	0.29	0.00	3	36.00	4.80
Chlordane	120	212.34	139.00	115	1440.00	10.00
Dieldrin	121	154.51	98.00	112	1100.00	10.00
DDT	108	39.67	24.50	88	230.00	10.00
Endrin	89	0.00	0.00	0	.	.
Heptachlor	88	0.51	0.00	2	30.00	15.00
Heptachlor epoxide	109	25.27	13.00	85	280.00	0.01
Hexachlorobenzene	88	0.11	0.00	1	10.00	10.00
Mercury	33	82.42	70.00	33	220.00	20.00
Methoxychlor	89	0.00	0.00	0	.	.
Mirex/Dechlorane	88	0.00	0.00	0	.	.
Polychlorinated biphenyls	89	194.17	0.00	39	6600.00	103.00
Toxaphene	89	0.00	0.00	0	.	.