

**Watershed Summary Information**

**Accounting Unit Name:** Kaskaskia

**State(s):** IL

**Political Boundaries:** Fayette, Clinton, Washington, Bond, Marion, Montgomery

**Major Waterways:** Kaskaskia R  
Crooked Cr  
Hurricane Cr  
Kaskaskia Cr, E Fk  
Carlyle L

**Number of Stations in Watershed:** Tier1 - 13  
Tier2 - 22  
Tier3 - 3

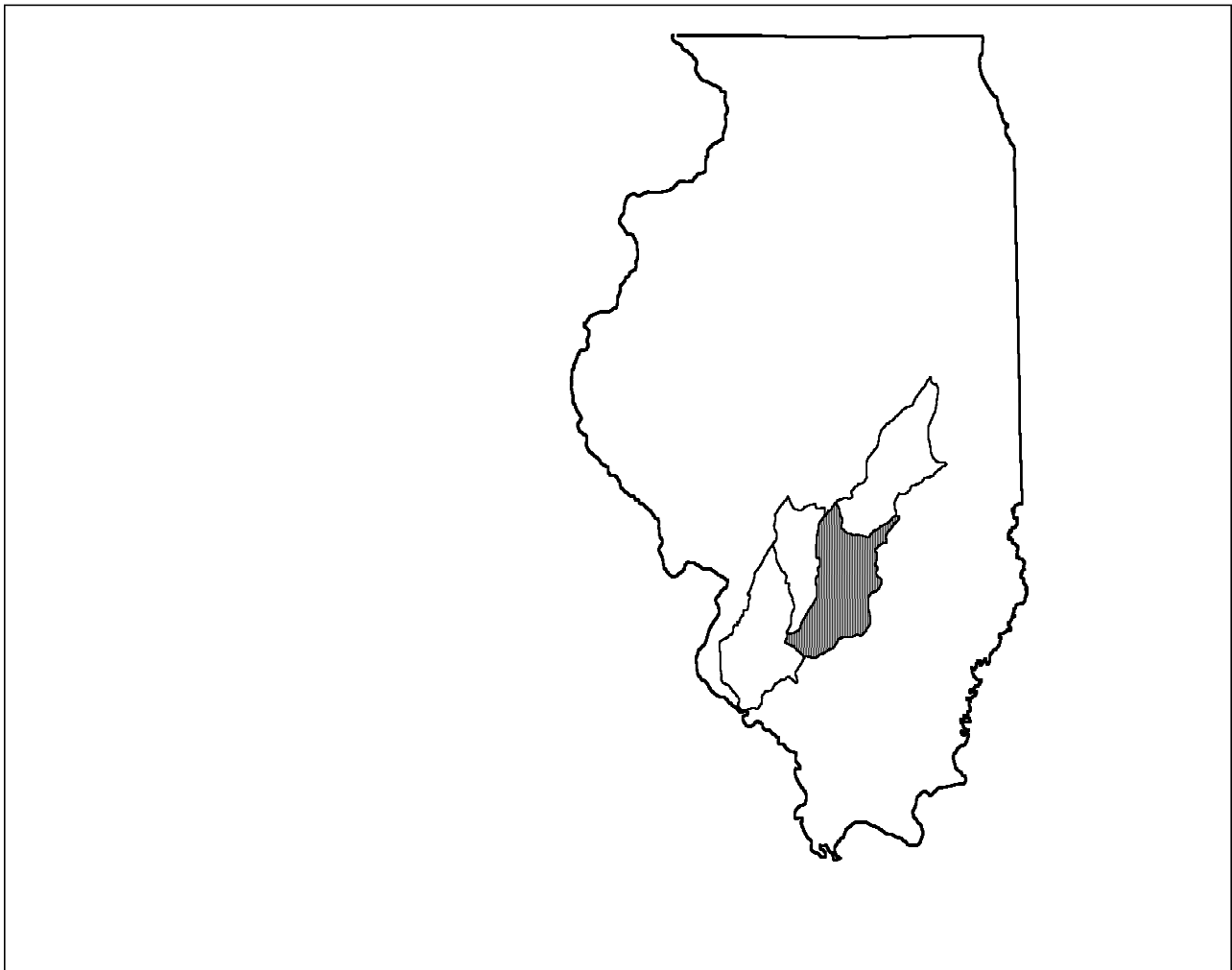


Figure 139. Watershed Location Map

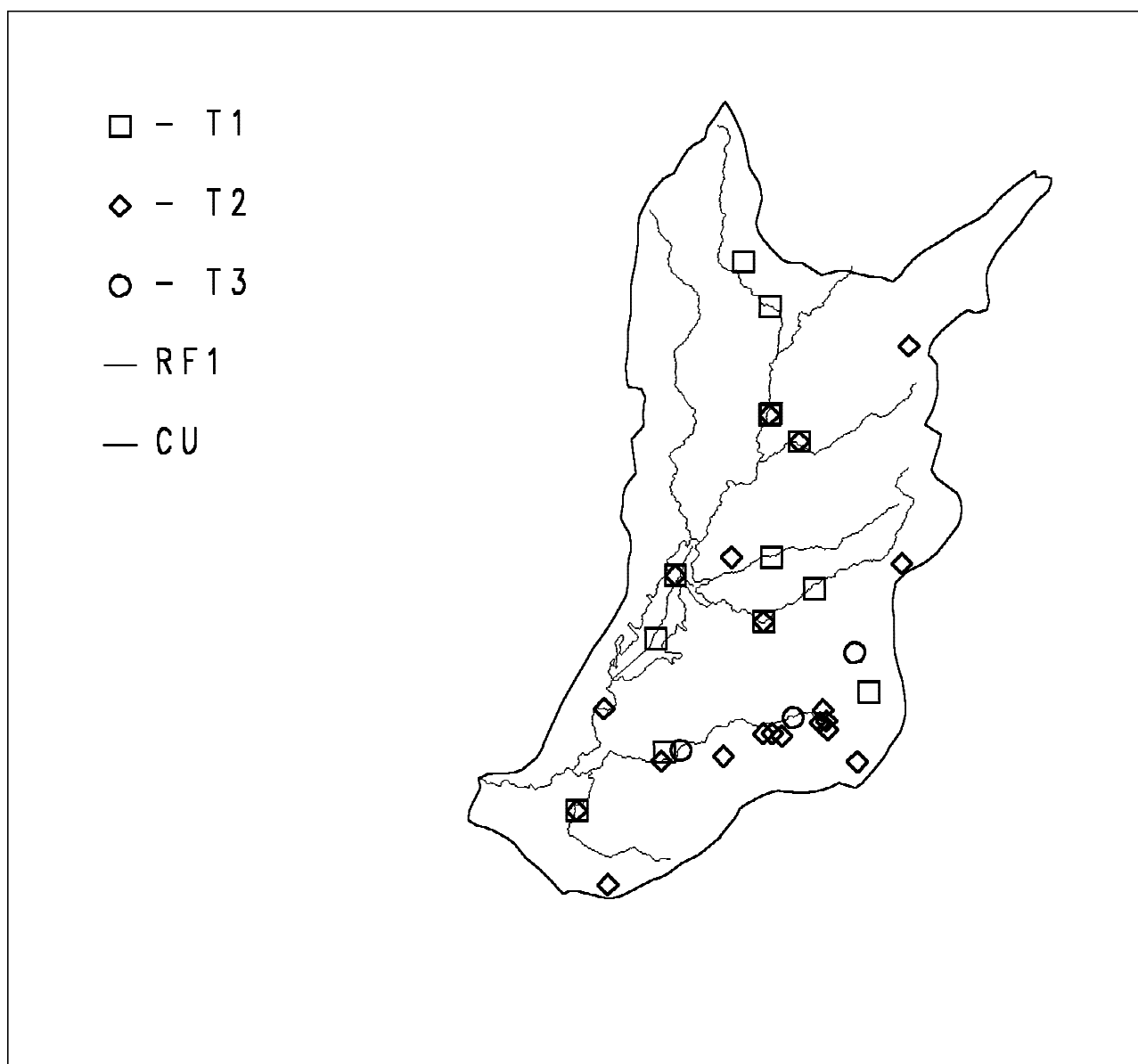


Figure 140. Major Waterways and Location of Sampling Stations

## Data Source(s) Used in Evaluation

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

Monitoring Program: **Illinois EPA**

Num. of Stations: 9 Date Range: 1982-83

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

Monitoring Program: **USEPA Region 5 Data**

Num. of Stations: 8 Date Range: 1980-91

Source: **STORET** Agency: **21ILLAKE**

Monitoring Program: **USEPA Region 5 Data**

Num. of Stations: 8 Date Range: 1985-93

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

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

Num. of Stations: 13 Date Range: 1980-89

## 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
Dieldrin	36	29	8	21	8	14	.	26
Copper	30	15	.	15	.	15	.	.
Polychlorinated biphenyls	29	11	5	6	1	5	4	7
Chlordane	28	10	.	10	.	5	.	8
Lead	30	10	.	10	.	10	.	.
Heptachlor epoxide	28	8	.	8	.	.	.	8
Arsenic	30	7	.	7	.	7	.	.
Nickel	11	7	.	7	.	7	.	.
Cadmium	30	6	.	6	.	6	.	.
Mercury	25	5	1	4	1	4	.	.
Zinc	30	5	.	5	.	5	.	.
DDT	28	3	.	3	.	2	.	1
Aldrin	28	2	.	2	.	.	.	2
BHC	28	1	.	1	.	.	.	1
Chromium	30	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	30	0.00	0.00	0	.	.
Arsenic	52	5707.69	5000.00	52	14300.00	2200.00
BHC	77	0.00	0.00	0	.	.
Cadmium	52	634.62	0.00	11	12000.00	1000.00
Chlordane	130	1.50	0.00	13	61.00	2.10
Chromium	52	18115.38	15000.00	52	58000.00	10000.00
Copper	52	112019.2	21500.00	52	888000.0	6000.00
Dieldrin	42	399.08	1.85	32	5000.00	1.00
DDT	214	0.09	0.00	7	5.10	1.50
Endrin	30	0.00	0.00	0	.	.
Heptachlor	29	0.00	0.00	0	.	.
Heptachlor epoxide	33	0.22	0.00	2	4.80	2.40
Hexachlorobenzene	30	0.00	0.00	0	.	.
Lead	52	28576.92	24000.00	51	150000.0	6000.00
Mercury	43	153.98	40.00	34	2100.00	11.00
Methoxychlor	30	0.17	0.00	1	5.00	5.00

Sediment Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Nickel	21	19666.67	21000.00	21	27000.00	10000.00
Polychlorinated biphenyls	35	498.83	0.00	8	17000.00	17.00
Silver	21	0.00	0.00	0	.	.
Zinc	52	81346.15	76000.00	52	191000.0	40000.00

## Tissue Residue Data: Chemical Summary

Tissue Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Aldrin	69	0.70	0.00	4	14.00	10.00
BHC	139	0.13	0.00	1	18.00	18.00
Chlordane	102	136.69	110.00	94	720.00	10.00
Dieldrin	99	83.92	50.00	93	570.00	10.00
DDT	94	59.71	30.00	77	1310.00	10.00
Endrin	70	0.00	0.00	0	.	.
Heptachlor	70	0.00	0.00	0	.	.
Heptachlor epoxide	87	16.80	0.02	60	170.00	0.01
Hexachlorobenzene	69	0.00	0.00	0	.	.
Mercury	38	79.21	55.00	37	210.00	20.00
Methoxychlor	70	1.43	0.00	2	50.00	50.00
Mirex/Dechlorane	70	0.00	0.00	0	.	.
Polychlorinated biphenyls	70	130.81	0.00	16	4700.00	107.00
Toxaphene	70	0.00	0.00	0	.	.