

## Watershed Summary Information

<b>Accounting Unit Name:</b>	Wabash
<b>State(s):</b>	IL IN
<b>Political Boundaries:</b>	Vigo, Sullivan, Crawford, Clark, Edgar, Clay, Parke, Knox, Vermillion, Lawrence
<b>Major Waterways:</b>	Wabash R Brouillets Cr Busseron Cr Mill Cr Sugar Cr
<b>Number of Stations in Watershed:</b>	Tier1 - 15 Tier2 - 17 Tier3 - 1

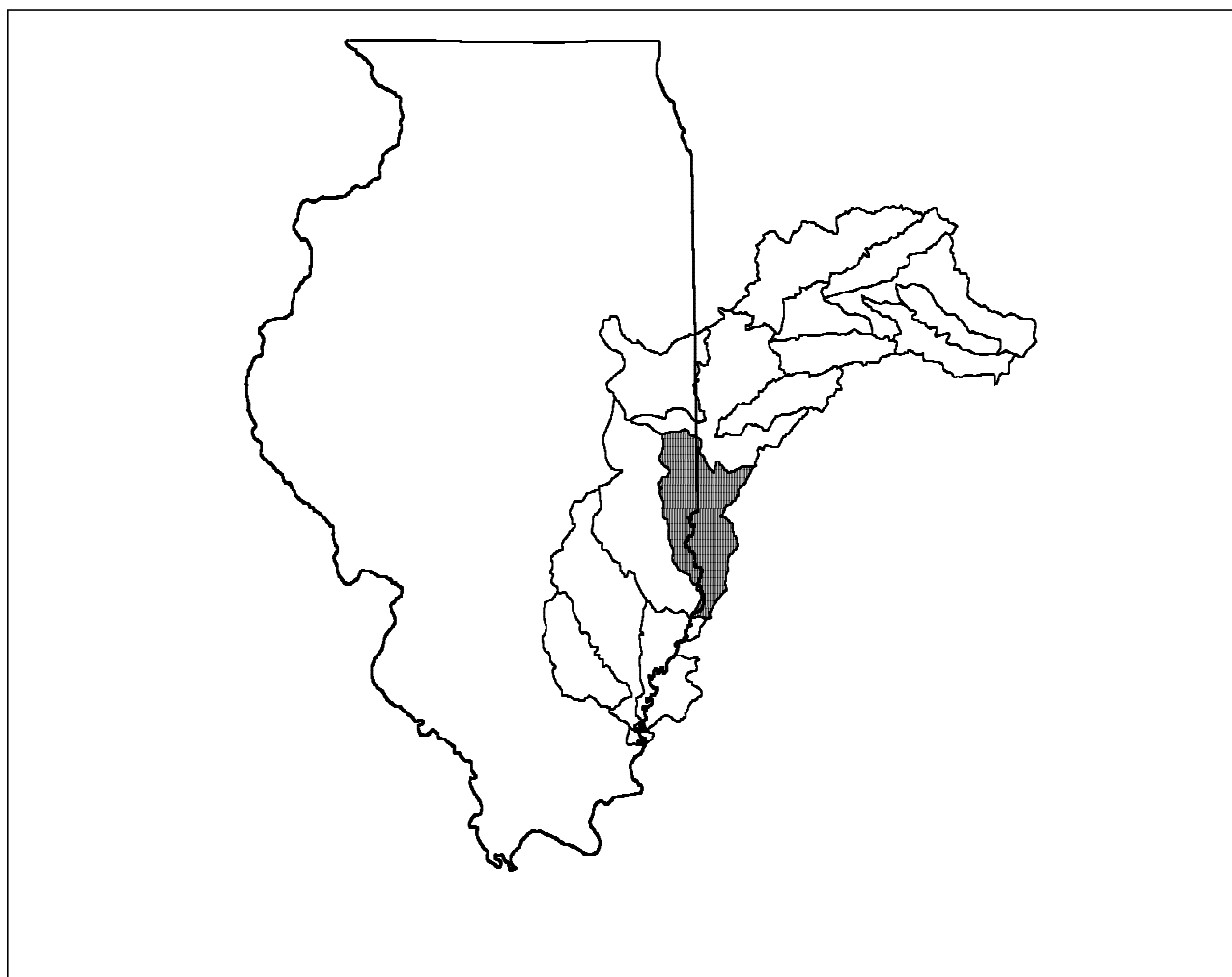


Figure 93. Watershed Location Map

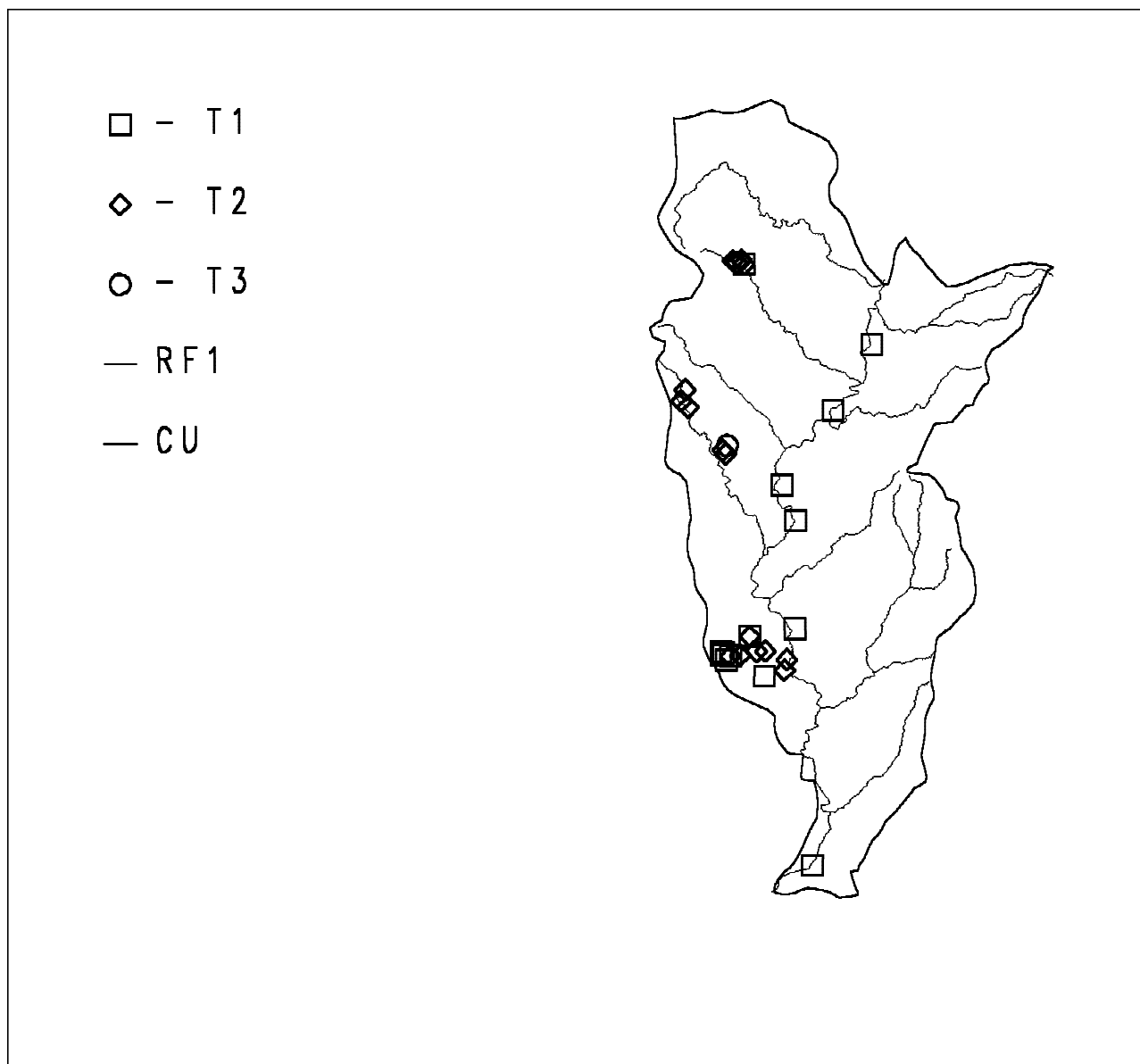


Figure 94. Major Waterways and Location of Sampling Stations

## Data Source(s) Used in Evaluation

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

Monitoring Program: **Illinois EPA**

Num. of Stations: 13 Date Range: 1986

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

Monitoring Program: **USEPA Region 5 Data**

Num. of Stations: 6 Date Range: 1980-90

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

Monitoring Program: **USEPA Region 5 Data**

Num. of Stations: 9 Date Range: 1984-92

Source: **STORET** Agency: **21ILSED**  
 Monitoring Program: **Illinois EPA Div of Water Pollution Control Data**  
 Num. of Stations: 2 Date Range: 1986

Source: **STORET** Agency: **21IND**  
 Monitoring Program: **Indiana Board of Health General Water Quality & Bioassay Data**  
 Num. of Stations: 3 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	33	29	.	29	.	9	.	28
Chlordane	33	23	.	23	.	15	.	20
Copper	27	19	.	19	.	19	.	.
Polychlorinated biphenyls	33	17	9	8	2	4	7	10
Mercury	32	16	7	9	7	9	.	.
Heptachlor epoxide	33	16	.	16	.	.	.	16
Arsenic	27	12	.	12	.	9	.	3
Lead	27	10	.	10	.	10	.	.
Zinc	26	9	.	9	.	9	.	.
Nickel	10	7	.	7	.	7	.	.
Cadmium	27	4	.	4	.	4	.	.
BHC	19	3	.	3	.	.	.	3
DDT	20	3	.	3	.	.	.	3
Aldrin	18	1	.	1	.	.	.	1
Chromium	27	1	.	1	.	1	.	.
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	18	0.08	0.00	1	1.50	1.50
Arsenic	36	7302.78	6100.00	36	25000.00	3400.00
Bis(2-ethylhexyl)phthalate	8	27.50	35.00	5	50.00	20.00
BHC	36	0.00	0.00	0	.	.
Cadmium	36	166.67	0.00	6	1000.00	1000.00
Chlordane	81	7.68	0.00	28	90.00	2.40
Chromium	36	20794.44	16500.00	36	54000.00	11000.00
Copper	36	76244.44	24250.00	36	795000.0	12000.00
Di-n-butyl phthalate	7	14.29	0.00	2	50.00	50.00
Dieldrin	37	13.16	4.50	26	70.00	1.10
DDT	132	0.00	0.00	0	.	.
Endrin	18	0.00	0.00	0	.	.

Sediment Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Heptachlor	18	0.00	0.00	0	.	.
Heptachlor epoxide	37	5.56	0.00	14	50.00	1.60
Hexachlorobenzene	18	0.00	0.00	0	.	.
Lead	36	37358.33	22000.00	36	150000.0	4400.00
Mercury	37	374.97	100.00	36	2400.00	4.00
Methoxychlor	18	0.00	0.00	0	.	.
Nickel	13	19284.62	19000.00	13	27000.00	13000.00
Polychlorinated biphenyls	37	28.35	0.00	11	420.00	18.00
Silver	13	0.00	0.00	0	.	.
Zinc	36	117338.9	79850.00	36	440000.0	51000.00

## Tissue Residue Data: Chemical Summary

Tissue Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Acenaphthene	1	0.00	0.00	0	.	.
Aldrin	48	0.00	0.00	0	.	.
Anthracene	1	0.00	0.00	0	.	.
Antimony	7	0.00	0.00	0	.	.
Arsenic	31	15369.77	72.00	24	163000.0	13.00
Barium	7	0.00	0.00	0	.	.
Benzene	1	0.00	0.00	0	.	.
Benzo(a)anthracene	1	0.00	0.00	0	.	.
Benzo(a)pyrene	1	0.00	0.00	0	.	.
Benzo(b)fluoranthene	1	0.00	0.00	0	.	.
Benzo(k)fluoranthene	1	0.00	0.00	0	.	.
Benzoic acid	1	0.00	0.00	0	.	.
Benzyl alcohol	1	0.00	0.00	0	.	.
Beryllium	7	0.00	0.00	0	.	.
Bis(2-chloroethyl)ether	1	0.00	0.00	0	.	.
Bromodichloromethane	1	0.00	0.00	0	.	.
Bromomethane	1	0.00	0.00	0	.	.
Bromophenyl phenyl ether, 4-	1	0.00	0.00	0	.	.
Butyl benzyl phthalate	1	0.00	0.00	0	.	.
BHC	260	46.72	0.00	128	1935.00	1.00
Cadmium	37	192.68	40.00	20	1180.00	20.00
Carbon disulfide	1	10.00	10.00	1	10.00	10.00
Chlordane	354	399.73	86.00	343	10330.00	3.00
Chlorobenzene	1	0.00	0.00	0	.	.
Chloroethane	1	0.00	0.00	0	.	.
Chloroethene	1	0.00	0.00	0	.	.
Chloromethane	1	0.00	0.00	0	.	.
Chloronaphthalene, 2-	1	0.00	0.00	0	.	.

Tissue Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Chlorophenol, 2-	1	0.00	0.00	0	.	.
Chromium	33	559.09	450.00	25	2200.00	240.00
Chrysene	1	0.00	0.00	0	.	.
Copper	33	656.06	600.00	27	1740.00	200.00
Cresol, o	1	0.00	0.00	0	.	.
Cresol, p-	1	0.00	0.00	0	.	.
Di-n-octyl phthalate	1	0.00	0.00	0	.	.
Dibenzo(a,h)anthracene	1	0.00	0.00	0	.	.
Dibenzofuran	1	0.00	0.00	0	.	.
Dibromochloromethane	1	0.00	0.00	0	.	.
Dichlorobenzene, 1,2-	1	0.00	0.00	0	.	.
Dichlorobenzene, 1,3-	1	0.00	0.00	0	.	.
Dichlorobenzene, 1,4-	1	0.00	0.00	0	.	.
Dichlorobenzidine, 3,3'-	1	0.00	0.00	0	.	.
Dichloroethane 1,1-	1	0.00	0.00	0	.	.
Dichloroethane 1,2-	1	0.00	0.00	0	.	.
Dichloroethene, 1,1-	1	0.00	0.00	0	.	.
Dichlorophenol, 2,4-	1	0.00	0.00	0	.	.
Dichloropropane, 1,2-	1	0.00	0.00	0	.	.
Dieldrin	137	1256.20	88.00	133	14630.00	5.00
Diethyl phthalate	1	0.00	0.00	0	.	.
Dimethyl phthalate	1	0.00	0.00	0	.	.
Dimethylphenol, 2,4-	1	0.00	0.00	0	.	.
Dinitrophenol, 2,4-	1	0.00	0.00	0	.	.
Dinitrotoluene, 2,4-	1	0.00	0.00	0	.	.
Dinitrotoluene, 2,6-	1	0.00	0.00	0	.	.
DDT	314	205.91	22.00	242	10910.00	1.00
Endosulfan, alpha-	12	0.00	0.00	0	.	.
Endosulfan, beta-	12	0.00	0.00	0	.	.
Endrin	50	0.00	0.00	0	.	.
Ethylbenzene	1	0.00	0.00	0	.	.
Fluoranthene	1	0.00	0.00	0	.	.
Fluorene	1	0.00	0.00	0	.	.
Heptachlor	60	5.18	0.00	9	140.00	1.00
Heptachlor epoxide	115	94.98	10.00	86	1033.00	0.01
Hexachlorobenzene	93	5.81	0.00	38	67.00	1.00
Hexachlorobutadiene	1	0.00	0.00	0	.	.
Hexachloroethane	1	0.00	0.00	0	.	.
Indeno(1,2,3-cd)pyrene	1	0.00	0.00	0	.	.
Isophorone	1	0.00	0.00	0	.	.
Lead	38	57.11	0.00	9	440.00	120.00
Manganese	7	4137.14	6000.00	5	9300.00	260.00
Mercury	63	120.76	110.00	63	310.00	30.00
Methoxychlor	50	2.44	0.00	2	62.00	60.00

Tissue Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Methyl isobutyl ketone	1	0.00	0.00	0	.	.
Mirex/Dechlorane	38	0.00	0.00	0	.	.
Naphthalene	1	0.00	0.00	0	.	.
Nickel	7	0.00	0.00	0	.	.
Nitrobenzene	1	0.00	0.00	0	.	.
Nitrophenol, 4	1	0.00	0.00	0	.	.
Nitrosodi-n-propylamine, N-	1	0.00	0.00	0	.	.
Nitrosodiphenylamine, N-	1	0.00	0.00	0	.	.
Pentachlorophenol	1	0.00	0.00	0	.	.
Phenol	1	0.00	0.00	0	.	.
Polychlorinated biphenyls	114	5005.85	570.50	88	136900.0	53.00
Pyrene	1	0.00	0.00	0	.	.
Selenium	7	94.29	0.00	1	660.00	660.00
Silver	7	0.00	0.00	0	.	.
Styrene	1	0.00	0.00	0	.	.
Tetrachloroethane, 1,1,2,2-	1	0.00	0.00	0	.	.
Tetrachloroethene	1	0.00	0.00	0	.	.
Tetrachloromethane	1	0.00	0.00	0	.	.
Toxaphene	44	0.00	0.00	0	.	.
Tribromomethane/Bromoform	1	0.00	0.00	0	.	.
Trichlorobenzene, 1,2,4-	1	0.00	0.00	0	.	.
Trichloroethane, 1,1,1-	1	0.00	0.00	0	.	.
Trichloroethane, 1,1,2-	1	0.00	0.00	0	.	.
Trichloroethene	1	0.00	0.00	0	.	.
Trichloromethane/Chloroform	1	0.00	0.00	0	.	.
Trichlorophenol, 2,4,5-	1	0.00	0.00	0	.	.
Trichlorophenol, 2,4,6-	1	0.00	0.00	0	.	.
Vanadium	7	0.00	0.00	0	.	.
Vinyl acetate	1	0.00	0.00	0	.	.
Zinc	20	44550.00	34800.00	20	118000.0	11900.00