

## Watershed Summary Information

<b>Accounting Unit Name:</b>	Western Lake Erie
<b>State(s):</b>	MI (OH)
<b>Political Boundaries:</b>	Lenawee, Monroe, Washtenaw, Jackson, Hillsdale, Fulton
<b>Major Waterways:</b>	River Raisin Macon Cr Black Cr River Raisin, S Br Saline R
<b>Number of Stations in Watershed:</b>	Tier1 - 18 Tier2 - 19 Tier3 - 1



Figure 65. Watershed Location Map

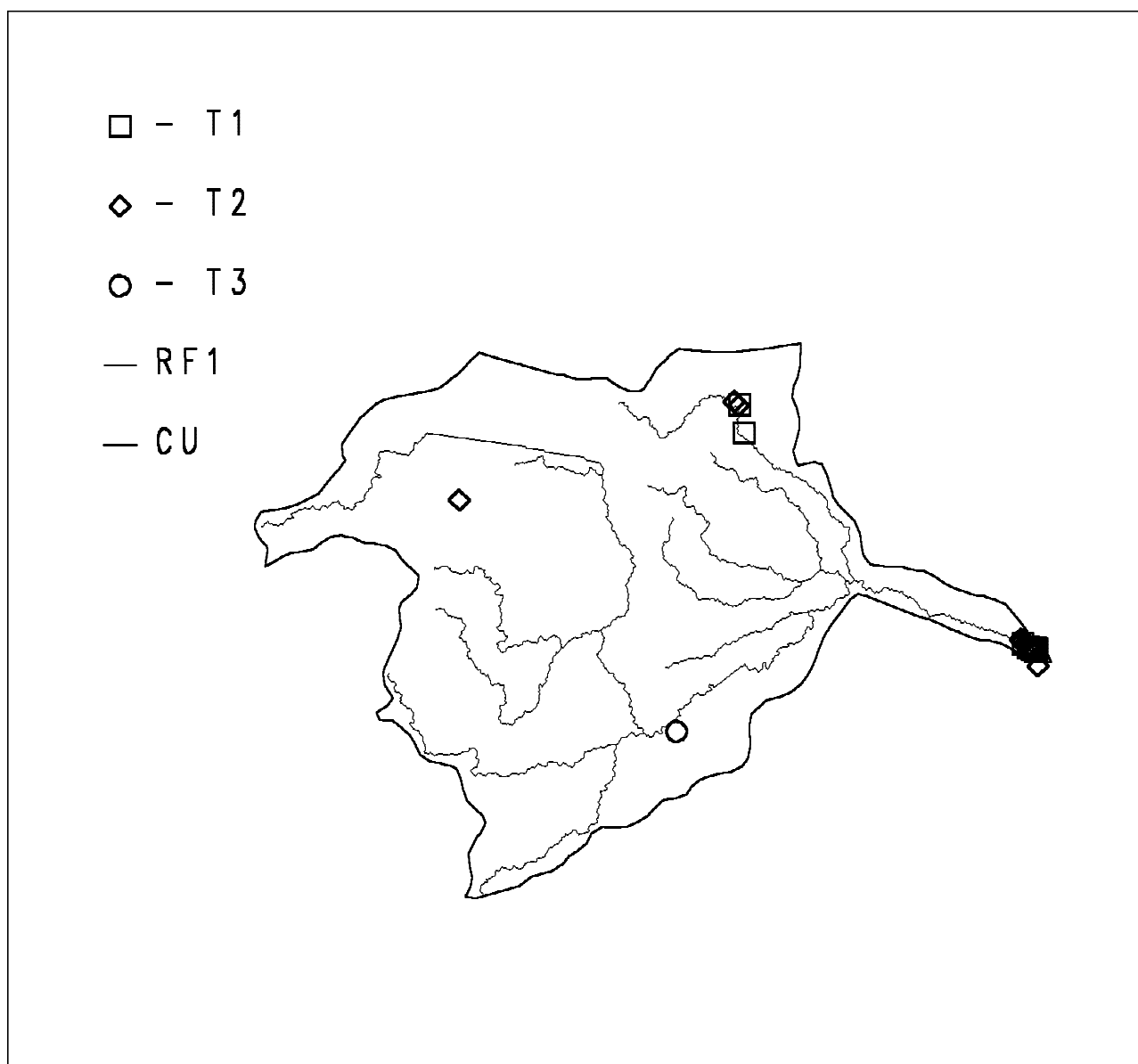


Figure 66. Major Waterways and Location of Sampling Stations

## Data Source(s) Used in Evaluation

Source: **STORET** Agency: **11140100**  
 Monitoring Program: **USEPA Region 5 Data**  
 Num. of Stations: 1 Date Range: 1981

Source: **STORET** Agency: **1115GLSB**  
 Monitoring Program: **USEPA Region 5 Great Lakes Surveillance Branch Data**  
 Num. of Stations: 4 Date Range: 1981

Source: **STORET** Agency: **115LHRES**  
 Monitoring Program: **Grosse Ile Lab Data EPA Large Lakes Res Lab**  
 Num. of Stations: 28 Date Range: 1983-84

Source: **STORET** Agency: **21MICH**

Monitoring Program: **Michigan Dept of Nat Res Surface Water Quality Data - Surface Water Quality Division**

Num. of Stations: 5 Date Range: 1980

## 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	37	34	17	17	17	8	.	34
DDT	22	20	7	13	7	13	.	3
Chlordane	22	11	.	11	.	11	.	3
Dieldrin	16	10	.	10	.	10	.	9
Aldrin	13	7	.	7	.	.	.	7
Bis(2-ethylhexyl)phthalate	7	6	.	6	.	6	.	.
BHC	15	5	1	4	1	4	.	1
Nickel	9	5	.	5	.	5	.	.
Lead	9	4	.	4	.	4	.	.
Mercury	6	3	1	2	1	2	.	.
Acenaphthene	3	3	.	3	.	3	.	.
Anthracene&Phenanthrene	4	3	.	3	.	3	.	.
Benzo(a)anthracene/Chrysene	3	3	.	3	.	3	.	3
Copper	9	3	.	3	.	3	.	.
Fluoranthene	3	3	.	3	.	3	.	.
Fluorene	3	3	.	3	.	3	.	.
Pyrene	3	3	.	3	.	3	.	.
Naphthalene	4	2	1	1	1	1	.	.
Cadmium	9	2	.	2	.	2	.	.
Zinc	9	2	.	2	.	2	.	.
Butyl benzyl phthalate	4	1	.	1	.	1	.	.
Chromium	5	1	.	1	.	1	.	.
Diethyl phthalate	8	1	.	1	.	1	.	.
Heptachlor	7	1	.	1	.	.	.	1
Heptachlor epoxide	8	1	.	1	.	.	.	1
Methoxychlor	13	1	.	1	.	1	.	.
Toluene	4	1	.	1	.	1	.	.

## Sediment Chemistry Data: Chemical Summary

Sediment Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Acenaphthene	3	68.00	64.00	3	100.00	40.00
Aldrin	27	16.55	4.61	27	251.00	0.07
Anthracene&Phenanthrene	4	415.50	465.00	4	712.00	20.00

Sediment Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Antimony	1	0.00	0.00	0	.	.
Arsenic	1	0.00	0.00	0	.	.
Benzene	4	22.75	18.00	4	43.00	12.00
Benzo(a)anthracene/Chrysene	3	912.00	840.00	3	1586.00	310.00
Bis(2-ethylhexyl)phthalate	7	1061.14	820.00	6	2500.00	380.00
Butyl benzyl phthalate	4	275.00	0.00	1	1100.00	1100.00
BHC	39	1.09	0.17	39	31.00	0.02
Cadmium	9	277.78	0.00	3	1300.00	200.00
Chlordane	84	2.34	1.75	83	15.00	0.09
Chromium	5	22000.00	14000.00	4	72000.00	6000.00
Copper	9	19333.33	17000.00	8	66000.00	4000.00
Di-n-butyl phthalate	8	93.88	73.50	4	277.00	147.00
Dichlorobenzene, 1,2-	1	20.00	20.00	1	20.00	20.00
Dichloromethane	3	119.00	65.00	3	273.00	19.00
Dieldrin	21	4.03	2.00	20	14.00	0.05
Diethyl phthalate	8	104.75	25.00	4	470.00	50.00
DCPA/Dacthal	3	4.67	5.00	3	6.00	3.00
DDT	144	11.70	6.73	140	223.40	0.18
Endosulfan, beta-	4	8.50	9.00	4	11.00	5.00
Endrin	16	2.87	1.88	16	10.86	0.05
Fluoranthene	3	743.33	850.00	3	920.00	460.00
Fluorene	3	64.67	70.00	3	74.00	50.00
Heptachlor	9	1.44	0.31	9	5.81	0.15
Heptachlor epoxide	9	11.13	0.23	9	96.00	0.05
Hexachlorobenzene	28	1.09	0.22	25	19.02	0.05
Lead	9	58111.11	29000.00	8	170000.0	10000.00
Mercury	6	261.67	135.00	4	1000.00	70.00
Methoxychlor	22	5.22	0.81	22	64.50	0.13
Naphthalene	4	216.00	130.00	4	584.00	20.00
Nickel	9	16444.44	17000.00	8	35000.00	2000.00
Pentachlorobenzene	23	0.20	0.20	23	0.34	0.02
Polychlorinated biphenyls	191	577.10	48.00	179	15620.00	2.07
Pyrene	3	736.67	760.00	3	1060.00	390.00
Silver	8	0.00	0.00	0	.	.
Toluene	4	512.00	221.50	4	1600.00	5.00
Zinc	9	134888.9	80000.00	9	430000.0	6000.00