

Watershed Summary Information

Accounting Unit Name:	Western Lake Erie
State(s):	OH
Political Boundaries:	Erie, Huron, Lorain, Crawford, Richland, Ashland
Major Waterways:	Huron R Vermillion R Huron R, W Br Huron R, E Br
Number of Stations in Watershed:	Tier1 - 10 Tier2 - 35 Tier3 - .

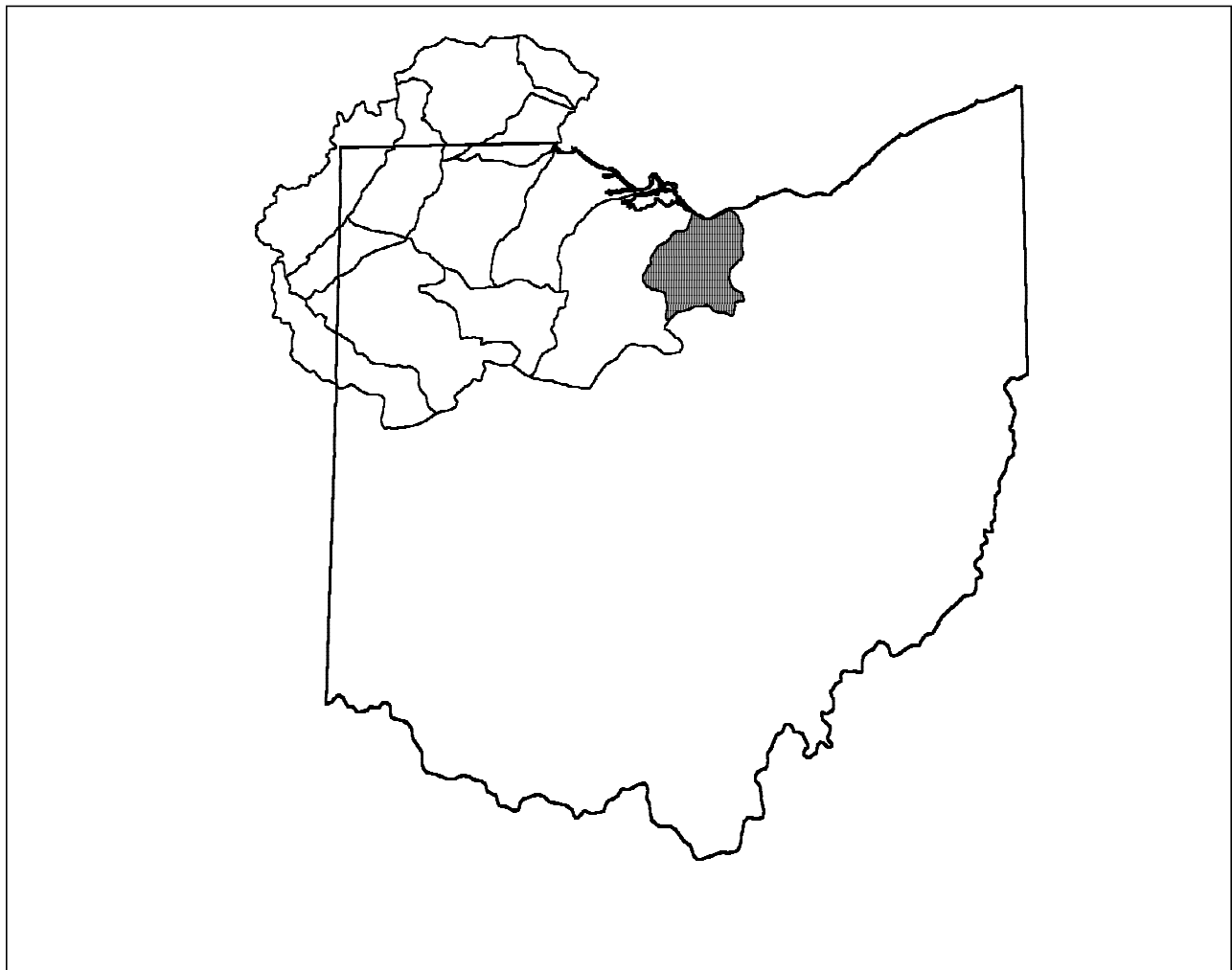


Figure 69. Watershed Location Map

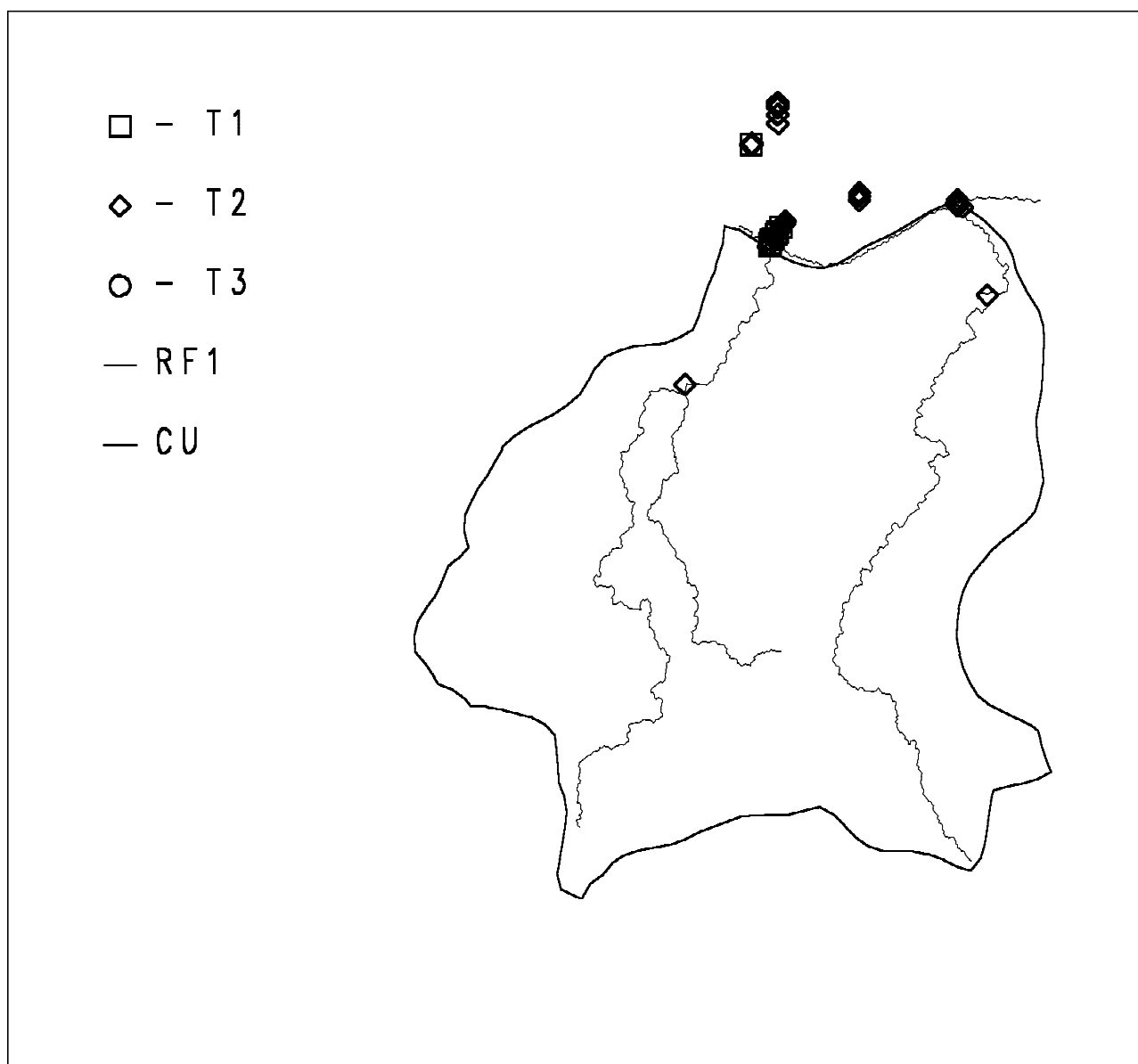


Figure 70. Major Waterways and Location of Sampling Stations

Data Source(s) Used in Evaluation

Source: **STORET** Agency: **11COEBUF**
 Monitoring Program: **Corps of Engineers Data Buffalo District**
 Num. of Stations: 26 Date Range: 1981-85

Source: **STORET** Agency: **11COENCD**
 Monitoring Program: **Corps of Engineers North Central Division Water & Sediments Data**
 Num. of Stations: 17 Date Range: 1980

Source: **STORET** Agency: **21OHIO**
 Monitoring Program: **Ohio EPA Water, Sediment, Tissue And Drinking Water Data**
 Num. of Stations: 2 Date Range: 1985-90

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
Nickel	45	45	.	45	.	45	.	.
Arsenic	45	44	.	44	.	44	.	.
Copper	45	43	.	43	.	43	.	.
Cadmium	45	40	.	40	.	40	.	.
Zinc	45	27	.	27	.	27	.	.
Lead	45	25	.	25	.	25	.	.
Mercury	36	21	.	21	.	21	.	.
Chromium	45	14	.	14	.	14	.	.
Fluoranthene	19	14	.	14	.	14	.	.
Pyrene	19	9	.	9	.	9	.	.
Diethyl phthalate	19	8	5	3	5	3	.	.
Polychlorinated biphenyls	43	8	5	3	5	3	.	8
Phenanthrene	19	4	.	4	.	4	.	.
Benzo(a)anthracene	19	2	.	2	.	2	.	2
Bis(2-ethylhexyl)phthalate	19	2	.	2	.	2	.	.
Anthracene	19	1	.	1	.	1	.	.
Toluene	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	26	0.00	0.00	0	.	.
Anthracene	19	15.79	0.00	1	300.00	300.00
Arsenic	67	14224.93	13300.00	67	30300.00	6700.00
Benzene	19	0.00	0.00	0	.	.
Benzo(a)anthracene	19	89.47	0.00	2	900.00	800.00
Benzo(a)pyrene	19	0.00	0.00	0	.	.
Benzo(b)fluoranthene	19	0.00	0.00	0	.	.
Benzo(ghi)perylene	19	0.00	0.00	0	.	.
Benzo(k)fluoranthene	19	0.00	0.00	0	.	.
Bis(2-ethylhexyl)phthalate	19	100.00	0.00	2	1100.00	800.00
Butyl benzyl phthalate	19	0.00	0.00	0	.	.
BHC	76	0.00	0.00	0	.	.
Cadmium	67	1551.18	1300.00	67	3700.00	329.00
Chlordane	26	0.00	0.00	0	.	.
Chlorobenzene	19	0.00	0.00	0	.	.
Chromium	67	45120.90	35000.00	67	188000.0	7000.00
Chrysene	19	0.00	0.00	0	.	.
Copper	67	36653.73	33000.00	67	68000.00	16000.00
Di-n-butyl phthalate	19	194.74	0.00	5	900.00	600.00

Sediment Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Di-n-octyl phthalate	19	0.00	0.00	0	.	.
Dibenzo(a,h)anthracene	19	0.00	0.00	0	.	.
Dichlorobenzene, 1,2-	19	0.00	0.00	0	.	.
Dichlorobenzene, 1,4-	19	0.00	0.00	0	.	.
Dieldrin	19	0.00	0.00	0	.	.
Diethyl phthalate	19	331.58	0.00	8	1100.00	600.00
Dimethyl phthalate	19	0.00	0.00	0	.	.
DDT	57	0.00	0.00	0	.	.
Endosulfan, alpha-	19	0.00	0.00	0	.	.
Endosulfan, beta-	19	0.00	0.00	0	.	.
Endrin	26	0.00	0.00	0	.	.
Ethylbenzene	19	0.00	0.00	0	.	.
Fluoranthene	19	694.74	600.00	14	2200.00	400.00
Heptachlor	26	0.00	0.00	0	.	.
Heptachlor epoxide	26	0.00	0.00	0	.	.
Hexachlorobenzene	19	0.00	0.00	0	.	.
Hexachlorobutadiene	19	0.00	0.00	0	.	.
Hexachloroethane	19	0.00	0.00	0	.	.
Indeno(1,2,3-cd)pyrene	19	0.00	0.00	0	.	.
Lead	67	29604.48	23300.00	67	66000.00	10000.00
Mercury	58	144.88	0.00	27	655.00	60.00
Methoxychlor	19	0.00	0.00	0	.	.
Mirex/Dechlorane	26	0.00	0.00	0	.	.
Nickel	67	42098.51	38000.00	67	71000.00	19000.00
Phenanthrene	19	73.68	0.00	4	400.00	300.00
Polychlorinated biphenyls	65	137.38	0.00	11	1690.00	56.00
Pyrene	19	300.00	0.00	9	1500.00	300.00
Silver	7	12.00	0.00	1	84.00	84.00
Toluene	19	178.42	0.00	6	1420.00	120.00
Toxaphene	26	0.00	0.00	0	.	.
Trichlorobenzene, 1,2,4-	19	0.00	0.00	0	.	.
Trichloroethane, 1,1,1-	7	0.00	0.00	0	.	.
Zinc	67	292991.0	122000.0	67	2210000	73000.00