Upper Ohio 05030101

Watershed Summary Information

Accounting Unit Name: Upper Ohio-Beaver

State(s): OH PA WV

Political Boundaries: Washington, Beaver, Jefferson, Hancock, Allegheny, Columbiana, Mahoning, Brooke, Carroll

Major Waterways:
Ohio R
Chartiers Cr
Little Beaver Cr
Yellow Cr
Little Beaver Cr, M Fk

Number of Stations in Watershed:
Tier1 - 12
Tier2 - 29
Tier3 - 12

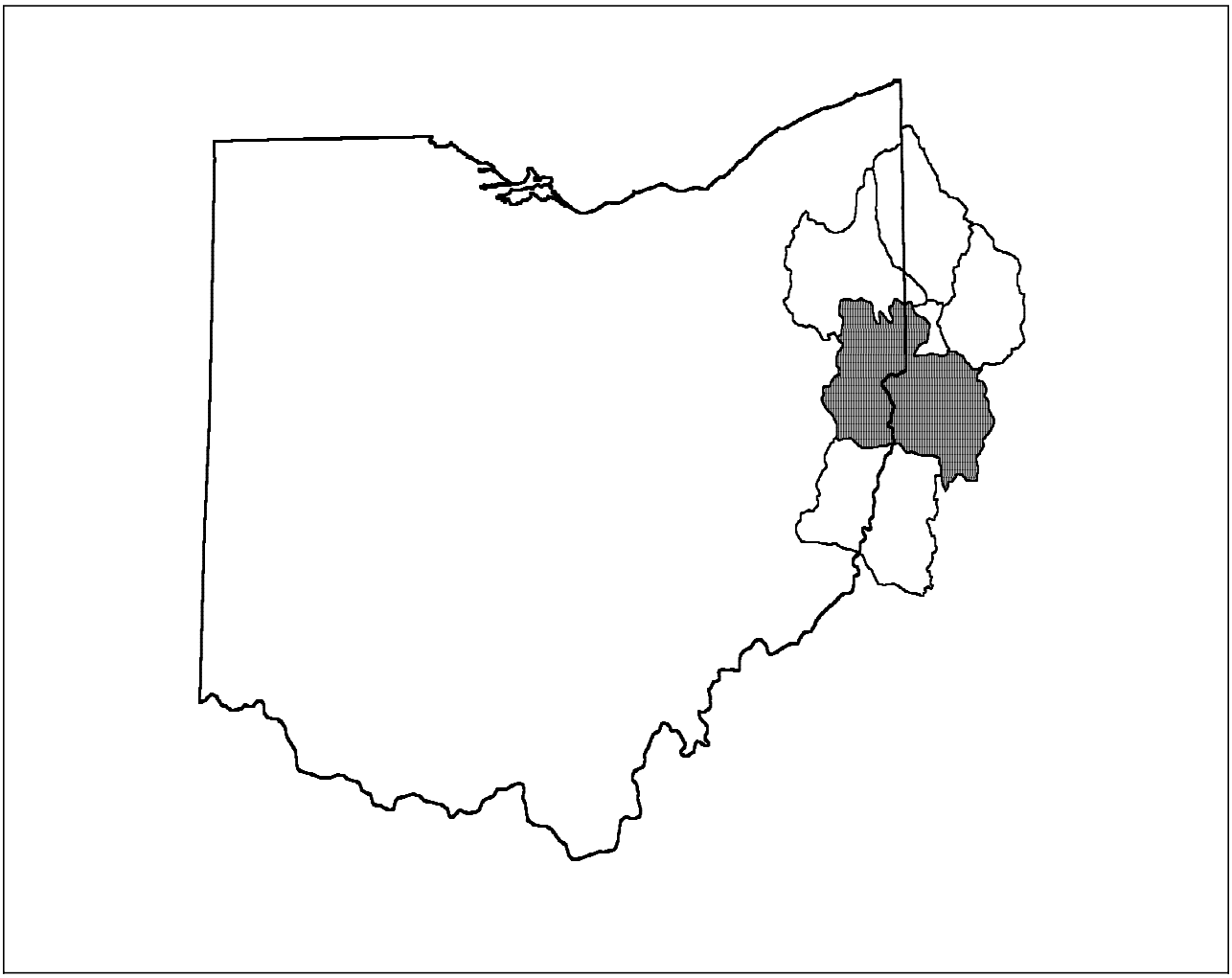

Figure 85. Watershed Location Map

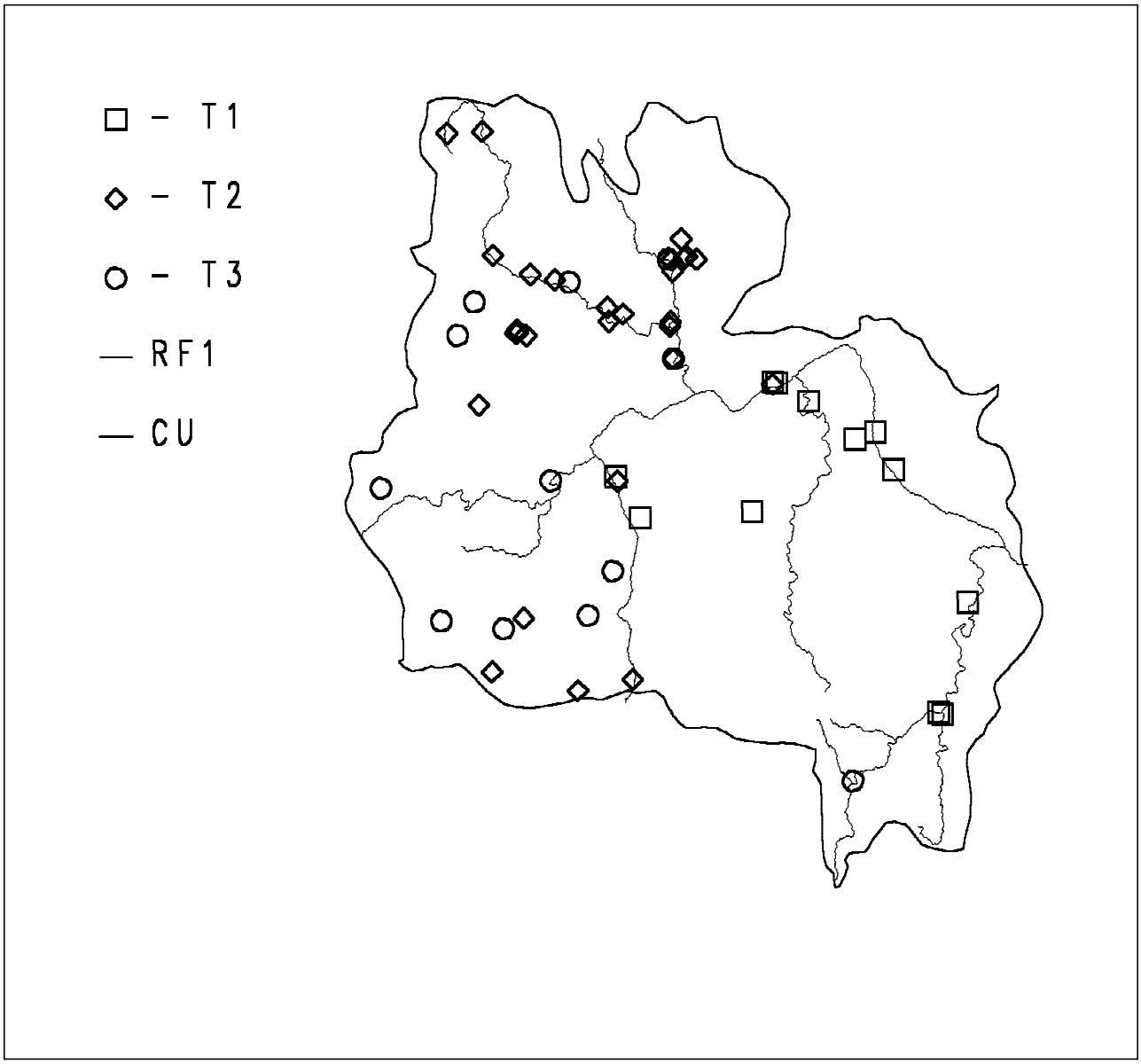

Figure 86. Major Waterways and Location of Sampling Stations

Data Source(s) Used in Evaluation

Source: **STORET** Agency: **11COEHUN**
Monitoring Program: **Corps of Engineers Huntington, WV District Water Column Data**
Num. of Stations: 3 Date Range: 1980

Source: **STORET** Agency: **112WRD**
Monitoring Program: **US Geological Survey Data**
Num. of Stations: 15 Date Range: 1980-81

Source: **STORET** Agency: **21OHIO**
Monitoring Program: **Ohio EPA Water, Sediment, Tissue And Drinking Water Data**
Num. of Stations: 22 Date Range: 1985-87

Source: **STORET** Agency: **21PA**
Monitoring Program: **Pennsylvania Dept of Environmental Resources Data**
Num. of Stations: 8 Date Range: 1985-92

Source: **STORET** Agency: **21WV7IWQ**
Monitoring Program: **W.Virginia Dept of Natural Resources Water, Sediment & Tissue Data**
Num. of Stations: 2 Date Range: 1982

Source: **STORET** Agency: **31ORWUNT**
Monitoring Program: **USEPA SE Environ Water Lab Data**
Num. of Stations: 3 Date Range: 1980-88

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	23	20	.	20	.	20	.	.
Polychlorinated biphenyls	13	12	12	.	.	.	12	.
Zinc	43	10	.	10	.	10	.	.
Chlordane	13	9	.	9	.	.	.	9
Copper	41	7	.	7	.	7	.	.
Lead	46	6	.	6	.	6	.	.
Cadmium	45	4	.	4	.	4	.	.
Dieldrin	13	1	.	1	.	.	.	1
Hexachlorobenzene	5	1	.	1	.	.	.	1

Sediment Chemistry Data: Chemical Summary

Sediment Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Arsenic	30	1823.27	1605.00	25	5990.00	291.00
Cadmium	44	295.06	108.50	26	4670.00	74.30
Chromium	47	9373.19	7090.00	39	40000.00	3790.00
Copper	43	12483.72	8000.00	33	134000.0	4000.00
Lead	47	22022.77	14500.00	43	193000.0	6440.00
Mercury	7	1.43	0.00	1	10.00	10.00
Nickel	27	36777.78	21000.00	27	340000.0	12000.00
Zinc	47	114589.4	69000.00	47	510000.0	20000.00

Tissue Residue Data: Chemical Summary

Tissue Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Aldrin	15	0.00	0.00	0	.	.
Arsenic	4	0.00	0.00	0	.	.
BHC	27	0.22	0.00	1	6.00	6.00
Cadmium	14	51.64	28.00	11	179.00	19.00
Chlordane	195	87.50	50.00	159	2000.00	10.00
Chromium	7	273.86	219.00	7	488.00	89.00
Copper	7	2291.43	1980.00	7	4920.00	1190.00
Dieldrin	25	1.20	0.00	2	20.00	10.00
DDT	104	14.01	0.00	29	160.00	10.00
Endrin	15	0.00	0.00	0	.	.
Heptachlor	9	0.00	0.00	0	.	.
Heptachlor epoxide	16	0.00	0.00	0	.	.
Hexachlorobenzene	26	3.46	0.00	2	80.00	10.00
Lead	14	257.07	212.00	14	980.00	46.00
Mercury	18	118.89	90.00	17	380.00	50.00
Methoxychlor	10	0.00	0.00	0	.	.
Mirex/Dechlorane	4	0.00	0.00	0	.	.
Polychlorinated biphenyls	44	2493.41	2150.00	44	12000.00	200.00
Zinc	4	59100.00	68700.00	4	83700.00	15300.00