

Watershed Summary Information

Accounting Unit Name:	Potomac
State(s):	MD VA WV (PA)
Political Boundaries:	Washington, Franklin, Berkeley, Morgan, Frederick, Fulton, Jefferson, Adams, Clarke
Major Waterways:	Potomac R Conococheague Cr Licking Cr Sleepy Cr Opequon Cr
Number of Stations in Watershed:	Tier1 - 11 Tier2 - 12 Tier3 - 6

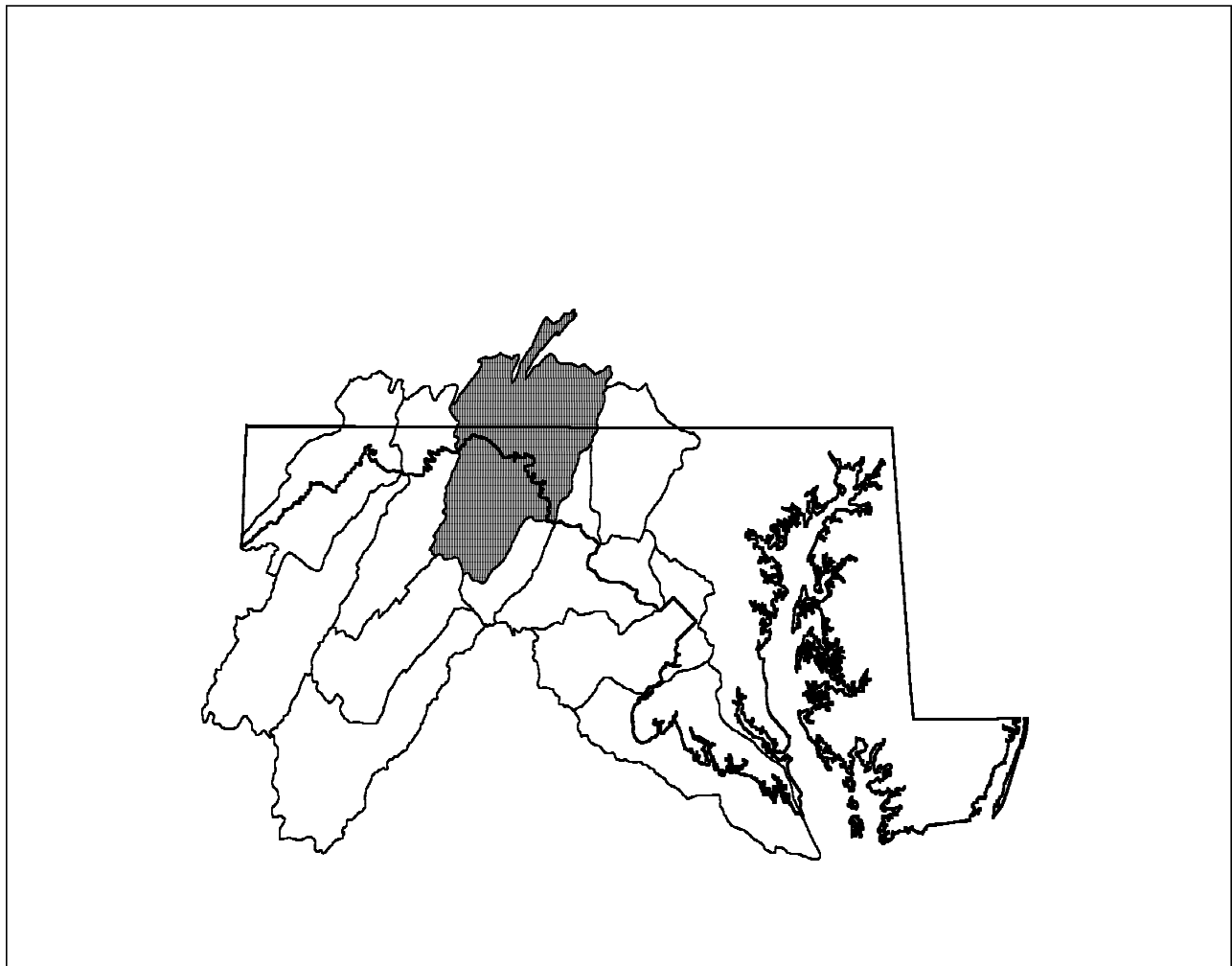


Figure 25. Watershed Location Map

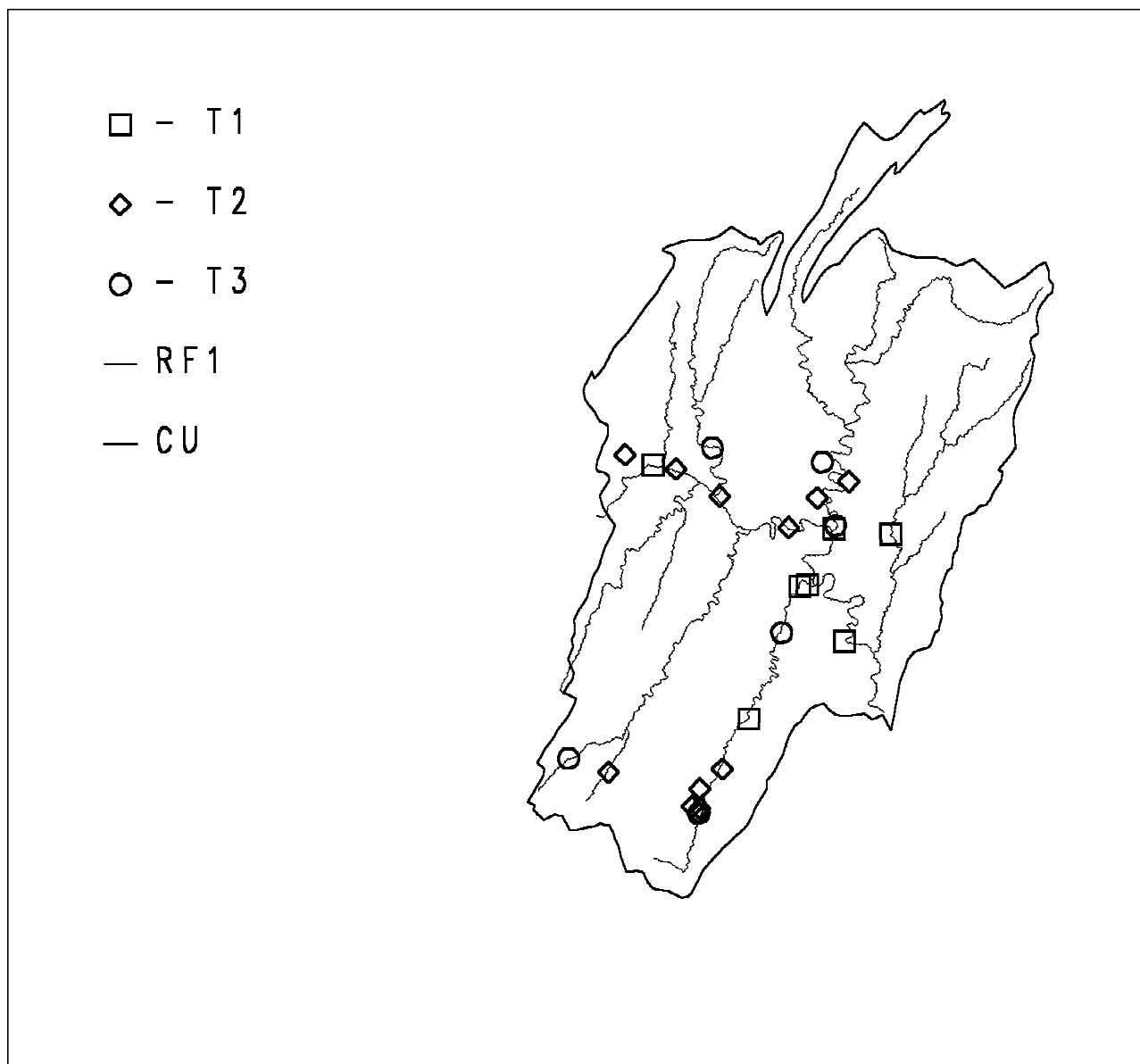


Figure 26. Major Waterways and Location of Sampling Stations

Data Source(s) Used in Evaluation

Source: **STORET** Agency: **11BIOACC**
 Monitoring Program: **USEPA National Bioaccumulation Study**
 Num. of Stations: 1 Date Range: 1987

Source: **STORET** Agency: **112WRD**
 Monitoring Program: **US Geological Survey Data**
 Num. of Stations: 9 Date Range: 1986-87

Source: **STORET** Agency: **21MD**
 Monitoring Program: **Maryland Dept of Natural Resources Data - Tidewater Administration**
 Num. of Stations: 4 Date Range: 1980-82

Source: **STORET** Agency: **21MDOEP**
Monitoring Program: **Water Monitoring Data MD Office of Environ Pgms**
Num. of Stations: 4 Date Range: 1980-83

Source: **STORET** Agency: **21VASWCB**
Monitoring Program: **Virginia State Water Control Board Data**
Num. of Stations: 8 Date Range: 1981-92

Source: **STORET** Agency: **21WV7IWQ**
Monitoring Program: **W.Virginia Dept of Natural Resources Water, Sediment & Tissue Data**
Num. of Stations: 3 Date Range: 1981-83

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
Lead	19	13	.	13	.	4	.	9
Polychlorinated biphenyls	19	12	11	1	.	.	11	1
Arsenic	18	12	.	12	.	5	.	7
Dieldrin	18	8	.	8	.	.	.	8
BHC	18	5	.	5	.	1	.	5
DDT	17	5	.	5	.	4	.	1
Nickel	7	5	.	5	.	5	.	.
Copper	19	4	.	4	.	4	.	.
Chromium	18	3	.	3	.	3	.	.
Cadmium	19	2	.	2	.	2	.	.
Chlordane	14	2	.	2	.	1	.	2
Heptachlor epoxide	17	2	.	2	.	.	.	2
Mercury	22	2	.	2	.	2	.	.
Toxaphene	16	2	.	2	.	.	.	2
Dioxins	1	1	1	.	.	.	1	.
Zinc	18	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	7	0.00	0.00	0	.	.
Arsenic	10	10100.00	11850.00	7	26000.00	6900.00
BHC	43	0.07	0.04	38	0.86	0.00
Cadmium	10	490.00	0.00	3	2200.00	1000.00
Chlordane	7	3.43	0.00	1	24.00	24.00
Chromium	10	70910.00	43100.00	10	240000.0	7000.00
Copper	10	35860.00	18500.00	10	89900.00	6000.00
Diazinon/Spectracide	7	0.00	0.00	0	.	.

Sediment Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Dieldrin	7	0.20	0.10	6	0.50	0.10
Dimethylphenol, 2,4-	7	0.00	0.00	0	.	.
DDT	21	2.23	0.50	18	12.00	0.10
Endosulfan mixed isomers	7	0.00	0.00	0	.	.
Endrin	7	0.66	0.10	4	3.60	0.10
Ethion/Bladen	7	0.00	0.00	0	.	.
Heptachlor	7	0.04	0.00	1	0.30	0.30
Heptachlor epoxide	7	0.17	0.00	2	1.10	0.10
Lead	10	49940.00	32200.00	10	194000.0	9000.00
Malathion	7	0.00	0.00	0	.	.
Mercury	10	162.00	0.00	3	600.00	430.00
Methoxychlor	7	0.00	0.00	0	.	.
Mirex/Dechlorane	7	0.00	0.00	0	.	.
Nickel	8	36000.00	33400.00	8	101000.0	7000.00
Polychlorinated biphenyls	6	2.50	0.00	1	15.00	15.00
Silver	4	0.00	0.00	0	.	.
Toxaphene	7	2.86	0.00	1	20.00	20.00
Zinc	10	99210.00	68000.00	10	270000.0	30000.00

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	44	0.00	0.00	0	.	.
Anthracene	1	0.00	0.00	0	.	.
Arsenic	45	56.44	50.00	25	200.00	30.00
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	.	.
Beryllium	1	0.00	0.00	0	.	.
Biphenyl	1	0.00	0.00	0	.	.
Bis(2-ethylhexyl)phthalate	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	101	49506.57	0.00	16	1000000	3.00
Cadmium	47	232.77	230.00	39	740.00	30.00
Chlordane	45	26.42	0.00	22	350.00	3.00
Chloronaphthalene, 2-	1	0.00	0.00	0	.	.
Chlorpyrifos/Dursban	1	0.00	0.00	0	.	.
Chromium	47	461.70	440.00	31	1900.00	130.00
Chrysene	1	0.00	0.00	0	.	.

Tissue Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Copper	48	1330.21	770.00	48	6200.00	360.00
Di-n-butyl phthalate	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	.	.
Dichlorobenzidine, 3,3'-	1	0.00	0.00	0	.	.
Dicofol/Kelthane	1	0.00	0.00	0	.	.
Dieldrin	48	20839.18	1.50	30	1000000	1.00
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	.	.
Dioxins	2	0.00	0.00	2	0.01	0.00
DCPA/Dacthal	39	0.00	0.00	0	.	.
DDT	153	6555.86	1.00	79	1000000	1.00
Endosulfan, alpha-	18	0.00	0.00	0	.	.
Endosulfan, beta-	1	0.00	0.00	0	.	.
Endrin	46	0.61	0.00	3	20.00	4.00
Fluoranthene	1	0.00	0.00	0	.	.
Fluorene	1	0.00	0.00	0	.	.
Heptachlor	41	0.05	0.00	2	1.00	1.00
Heptachlor epoxide	41	48781.05	0.00	8	1000000	2.00
Hexachlorobenzene	46	0.24	0.00	9	2.00	1.00
Hexachlorobutadiene	1	0.00	0.00	0	.	.
Indeno(1,2,3-cd)pyrene	1	0.00	0.00	0	.	.
Isopropalin	1	0.00	0.00	0	.	.
Lead	48	946.25	930.00	29	2900.00	670.00
Mercury	58	158.14	125.00	58	850.00	27.00
Methoxychlor	45	0.00	0.00	0	.	.
Mirex/Dechlorane	40	0.00	0.00	0	.	.
Naphthalene	1	0.00	0.00	0	.	.
Nickel	1	0.00	0.00	0	.	.
Nitrosodi-n-propylamine, N-	1	0.00	0.00	0	.	.
Nitrosodiphenylamine, N-	1	0.00	0.00	0	.	.
Pentachlorobenzene	1	0.00	0.00	0	.	.
Pentachloronitrobenzene/Quin	1	0.00	0.00	0	.	.
Pentachlorophenol	4	0.00	0.00	0	.	.
Polychlorinated biphenyls	100	80.75	0.00	49	1170.00	0.18
Pyrene	1	0.00	0.00	0	.	.
Selenium	1	200.00	200.00	1	200.00	200.00
Silver	3	66.67	0.00	1	200.00	200.00
Tetrachlorobenzene, 1,2,4,5-	1	0.00	0.00	0	.	.
Toxaphene	40	25000.00	0.00	1	1000000	1000000
Trichlorobenzene, 1,2,4-	2	0.00	0.00	0	.	.
Trifluralin/Treflan	1	0.00	0.00	0	.	.
Zinc	41	17016.10	12900.00	41	84100.00	8900.00