

Watershed Summary Information

Accounting Unit Name:	Upper Miss.-Skunk-Wapsipinicon
State(s):	IA IL
Political Boundaries:	Rock Island, Whiteside, Clinton, Scott, Muscatine, Mercer, Louisa, Carroll
Major Waterways:	Mississippi R Cooperas Cr Eliza Cr Johnson Cr Cattail Slough
Number of Stations in Watershed:	Tier1 - 17 Tier2 - 5 Tier3 - 5

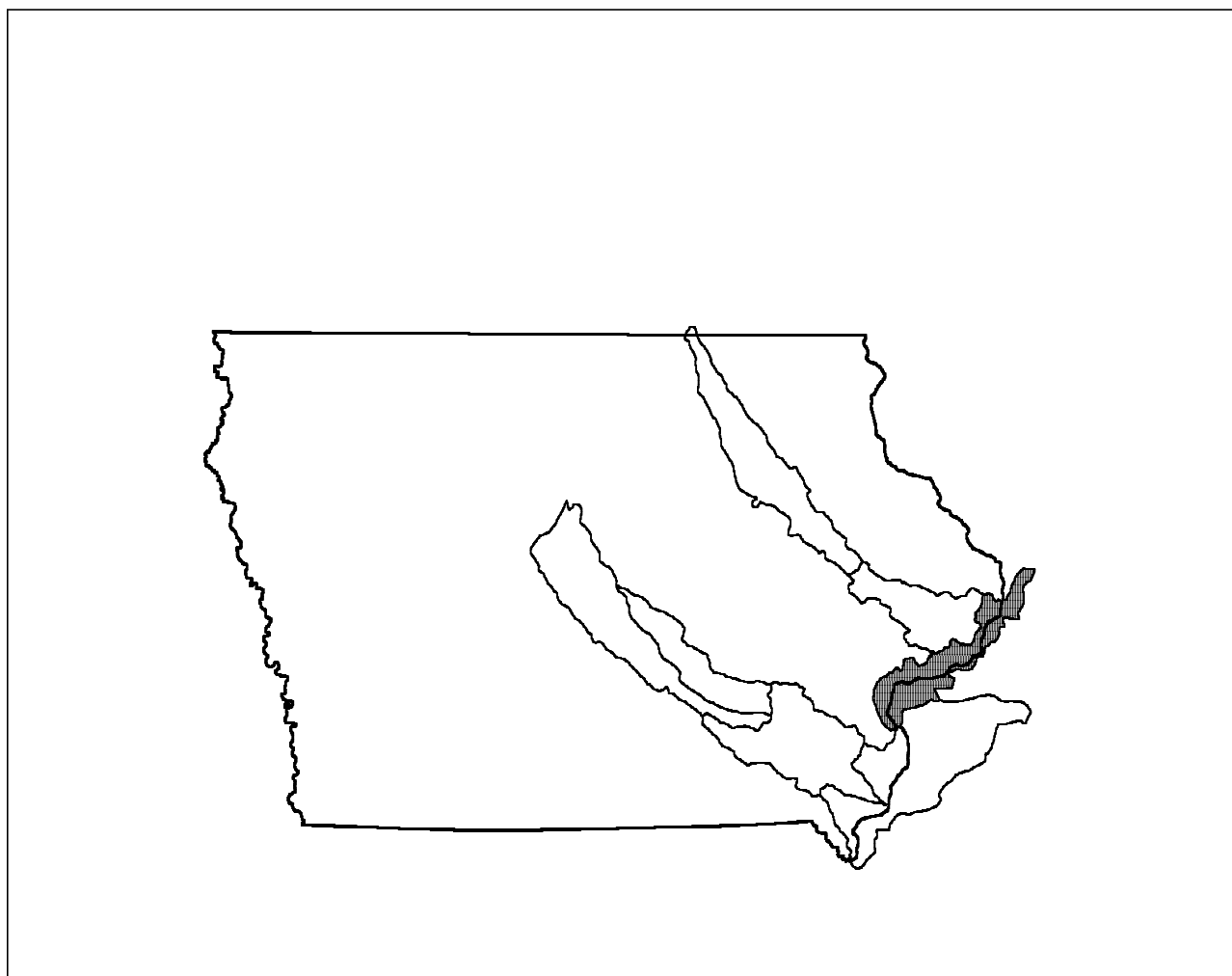


Figure 121. Watershed Location Map

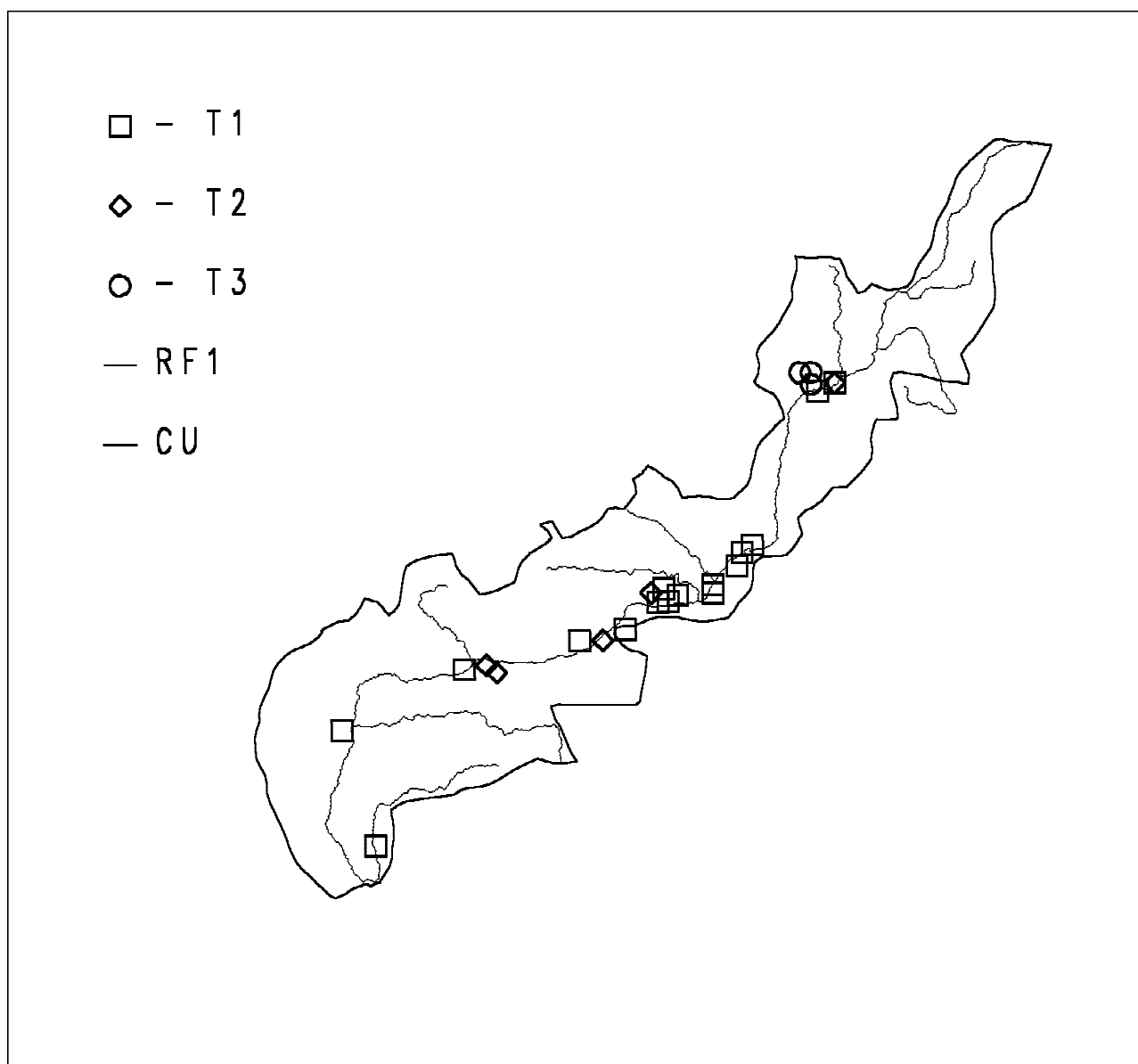


Figure 122. Major Waterways and Location of Sampling Stations

Data Source(s) Used in Evaluation

Source: **STORET** Agency: **11BIOACC**
 Monitoring Program: **USEPA National Bioaccumulation Study**
 Num. of Stations: 1 Date Range: 1986

Source: **STORET** Agency: **1117MBR**
 Monitoring Program: **USEPA Region 7 Data**
 Num. of Stations: 13 Date Range: 1980-90

Source: **STORET** Agency: **21ILFISH**
 Monitoring Program: **USEPA Region 5 Data**
 Num. of Stations: 5 Date Range: 1982-91

Source: **STORET** Agency: **21ILLAKE**
 Monitoring Program: **USEPA Region 5 Data**
 Num. of Stations: 2 Date Range: 1990-92

Source: **STORET** Agency: **21ILSED**
 Monitoring Program: **Illinois EPA Div of Water Pollution Control Data**
 Num. of Stations: 1 Date Range: 1980-90

Source: **STORET** Agency: **21IOWA**
 Monitoring Program: **Iowa Dept of Natural Res Quality Data**
 Num. of Stations: 5 Date Range: 1983-84

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	22	17	17	.	.	.	17	.
Dieldrin	16	12	.	12	.	2	.	12
Chlordane	22	10	.	10	.	.	.	10
Heptachlor epoxide	22	5	.	5	.	.	.	5
Cadmium	10	4	.	4	.	4	.	.
Arsenic	10	3	.	3	.	1	.	2
Nickel	10	3	.	3	.	3	.	.
Zinc	10	3	.	3	.	3	.	.
Mercury	11	2	1	1	1	1	.	.
Silver	8	2	1	1	1	1	.	.
Aldrin	14	2	.	2	.	.	.	2
Bis(2-ethylhexyl)phthalate	5	2	.	2	.	2	.	.
Copper	10	2	.	2	.	2	.	.
Dioxins	5	1	1	.	.	.	1	.
Benzo(a)pyrene	5	1	.	1	.	1	.	1
Benzo(b)fluoranthene	5	1	.	1	.	.	.	1
Chrysene	5	1	.	1	.	1	.	.
Fluoranthene	5	1	.	1	.	1	.	.
Lead	10	1	.	1	.	1	.	.
Phenanthrene	8	1	.	1	.	1	.	.
Pyrene	10	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	7	0.00	0.00	0	.	.
Acenaphthylene	7	0.00	0.00	0	.	.
Acrylonitrile	7	0.00	0.00	0	.	.

Sediment Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Aldrin	12	0.00	0.00	0	.	.
Anthracene	8	0.00	0.00	0	.	.
Antimony	3	366.67	0.00	1	1100.00	1100.00
Arsenic	15	3846.67	3000.00	12	9700.00	2400.00
Benzene	7	0.00	0.00	0	.	.
Benzo(a)anthracene	3	0.00	0.00	0	.	.
Benzo(a)pyrene	7	95.71	0.00	1	670.00	670.00
Benzo(b)fluoranthene	7	98.57	0.00	1	690.00	690.00
Benzo(ghi)perylene	7	0.00	0.00	0	.	.
Benzo(k)fluoranthene	3	0.00	0.00	0	.	.
Benzoic acid	1	0.00	0.00	0	.	.
Benzyl alcohol	1	0.00	0.00	0	.	.
Bis(2-ethylhexyl)phthalate	7	447.14	0.00	3	1300.00	870.00
Bromophenyl phenyl ether, 4-	7	0.00	0.00	0	.	.
Butyl benzyl phthalate	7	0.00	0.00	0	.	.
BHC	34	0.00	0.00	0	.	.
Cadmium	15	726.67	0.00	6	4200.00	400.00
Chlordane	40	0.00	0.00	0	.	.
Chlorobenzene	7	0.00	0.00	0	.	.
Chromium	20	19030.00	18000.00	20	37000.00	9500.00
Chrysene	7	50.00	0.00	1	350.00	350.00
Copper	15	118433.3	10000.00	15	1600000	7500.00
Cresol, o	1	0.00	0.00	0	.	.
Cresol, p-	1	0.00	0.00	0	.	.
Di-n-butyl phthalate	7	0.00	0.00	0	.	.
Di-n-octyl phthalate	7	0.00	0.00	0	.	.
Dibenzo(a,h)anthracene	7	0.00	0.00	0	.	.
Dibenzofuran	1	0.00	0.00	0	.	.
Dibromochloromethane	6	0.00	0.00	0	.	.
Dichlorobenzene, 1,2-	5	0.00	0.00	0	.	.
Dichlorobenzene, 1,3-	5	0.00	0.00	0	.	.
Dichlorobenzene, 1,4-	5	0.00	0.00	0	.	.
Dichloroethane 1,1-	7	0.00	0.00	0	.	.
Dichloroethane 1,2-	6	0.00	0.00	0	.	.
Dichloroethene, trans-1,2-	2	0.00	0.00	0	.	.
Dichloromethane	7	0.00	0.00	0	.	.
Dichloropropane, 1,2-	7	0.00	0.00	0	.	.
Dieldrin	12	0.79	0.00	2	6.80	2.70
Diethyl phthalate	7	0.00	0.00	0	.	.
Dimethyl phthalate	7	0.00	0.00	0	.	.
Dimethylphenol, 2,4-	7	0.00	0.00	0	.	.
Dioxins	2	0.00	0.00	0	.	.
DDT	72	0.00	0.00	0	.	.
Endosulfan, alpha-	3	0.00	0.00	0	.	.

Sediment Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Endosulfan, beta-	3	0.00	0.00	0	.	.
Endrin	12	0.00	0.00	0	.	.
Ethylbenzene	7	0.00	0.00	0	.	.
Fluoranthene	7	118.57	0.00	2	740.00	90.00
Fluorene	12	0.00	0.00	0	.	.
Heptachlor	12	0.00	0.00	0	.	.
Heptachlor epoxide	12	0.00	0.00	0	.	.
Hexachlorobenzene	16	0.00	0.00	0	.	.
Hexachlorobutadiene	7	0.00	0.00	0	.	.
Hexachloroethane	7	0.00	0.00	0	.	.
Indeno(1,2,3-cd)pyrene	7	0.00	0.00	0	.	.
Isophorone	7	0.00	0.00	0	.	.
Lead	15	17540.00	13000.00	12	100000.0	9500.00
Mercury	15	93.00	23.00	9	768.00	20.00
Methoxychlor	9	0.00	0.00	0	.	.
Methylnaphthalene, 2-	1	0.00	0.00	0	.	.
Naphthalene	7	0.00	0.00	0	.	.
Nickel	9	19388.89	20000.00	9	28000.00	8300.00
Nitrosodiphenylamine, N-	7	0.00	0.00	0	.	.
Pentachlorophenol	7	0.00	0.00	0	.	.
Phenanthrene	12	38.33	0.00	1	460.00	460.00
Phenol	7	0.00	0.00	0	.	.
Polychlorinated biphenyls	30	0.00	0.00	0	.	.
Pyrene	12	57.50	0.00	2	600.00	90.00
Silver	9	4000.00	0.00	2	35000.00	1000.00
Tetrachloroethane, 1,1,2,2-	7	0.00	0.00	0	.	.
Tetrachloroethene	7	0.00	0.00	0	.	.
Tetrachloromethane	7	0.00	0.00	0	.	.
Toluene	7	0.00	0.00	0	.	.
Toxaphene	3	0.00	0.00	0	.	.
Tribromomethane/Bromoform	7	0.00	0.00	0	.	.
Trichlorobenzene, 1,2,4-	7	0.00	0.00	0	.	.
Trichloroethane, 1,1,1-	7	0.00	0.00	0	.	.
Trichloroethane, 1,1,2-	7	0.00	0.00	0	.	.
Trichloroethene	7	0.00	0.00	0	.	.
Trichlorofluoromethane	2	0.00	0.00	0	.	.
Trichloromethane/Chloroform	7	0.00	0.00	0	.	.
Zinc	15	131473.3	65000.00	15	930000.0	29100.00

Tissue Residue Data: Chemical Summary

Tissue Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Acenaphthene	3	0.00	0.00	0	.	.
Acrolein	5	0.00	0.00	0	.	.
Acrylonitrile	5	0.00	0.00	0	.	.
Alachlor/Lasso	13	0.00	0.00	0	.	.
Aldrin	52	5.75	0.00	3	260.00	10.00
Anthracene	4	0.00	0.00	0	.	.
Antimony	10	0.00	0.00	0	.	.
Arsenic	16	27.50	0.00	4	160.00	70.00
Atrazine	16	0.00	0.00	0	.	.
Barium	10	1490.00	1785.00	8	2700.00	50.00
Benzene	13	0.00	0.00	0	.	.
Benzidine	3	0.00	0.00	0	.	.
Benzo(a)anthracene	3	0.00	0.00	0	.	.
Benzo(a)pyrene	3	0.00	0.00	0	.	.
Benzo(b)fluoranthene	3	0.00	0.00	0	.	.
Benzo(k)fluoranthene	3	0.00	0.00	0	.	.
Beryllium	7	0.00	0.00	0	.	.
Biphenyl	1	0.00	0.00	0	.	.
Bis(2-chloroethyl)ether	3	0.00	0.00	0	.	.
Bis(2-ethylhexyl)phthalate	3	0.00	0.00	0	.	.
Bromodichloromethane	3	0.00	0.00	0	.	.
Bromomethane	3	0.00	0.00	0	.	.
Bromophenyl phenyl ether, 4-	3	0.00	0.00	0	.	.
Butyl benzyl phthalate	3	0.00	0.00	0	.	.
BHC	136	0.10	0.00	2	10.30	2.73
Cadmium	16	7.56	0.00	2	61.00	60.00
Chlordane	332	36.46	11.00	227	450.00	2.40
Chlorobenzene	10	0.00	0.00	0	.	.
Chloroethane	5	0.00	0.00	0	.	.
Chloroethene	8	0.00	0.00	0	.	.
Chloroethylvinyl ether, 2-	5	0.00	0.00	0	.	.
Chloromethane	8	0.00	0.00	0	.	.
Chloronaphthalene, 2-	3	0.00	0.00	0	.	.
Chlorophenol, 2-	3	0.00	0.00	0	.	.
Chlorpyrifos/Dursban	7	0.00	0.00	0	.	.
Chromium	12	316.00	290.00	9	1400.00	100.00
Chrysene	3	0.00	0.00	0	.	.
Copper	10	1444.00	1480.00	10	3360.00	290.00
Cyanazine	6	0.00	0.00	0	.	.
Di-n-butyl phthalate	3	0.00	0.00	0	.	.
Di-n-octyl phthalate	3	0.00	0.00	0	.	.
Dibenzo(a,h)anthracene	3	0.00	0.00	0	.	.

Tissue Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Dibromochloromethane	5	0.60	0.00	1	3.00	3.00
Dichlorobenzene, 1,2-	8	0.00	0.00	0	.	.
Dichlorobenzene, 1,3-	7	0.00	0.00	0	.	.
Dichlorobenzene, 1,4-	8	0.00	0.00	0	.	.
Dichlorobenzidine, 3,3'-	3	0.00	0.00	0	.	.
Dichloroethane 1,1-	5	0.00	0.00	0	.	.
Dichloroethane 1,2-	13	0.00	0.00	0	.	.
Dichloroethene, trans-1,2-	8	0.00	0.00	0	.	.
Dichloroethene, 1,1-	13	0.00	0.00	0	.	.
Dichloromethane	5	0.00	0.00	0	.	.
Dichlorophenol, 2,4-	3	0.00	0.00	0	.	.
Dichloropropane, 1,2-	5	0.00	0.00	0	.	.
Dicofol/Kelthane	1	0.00	0.00	0	.	.
Dieldrin	58	34.67	11.50	35	540.00	2.00
Diethyl phthalate	3	0.00	0.00	0	.	.
Dimethyl phthalate	3	0.00	0.00	0	.	.
Dimethylphenol, 2,4-	3	0.00	0.00	0	.	.
Dinitrophenol, 2,4-	3	0.00	0.00	0	.	.
Dinitrotoluene, 2,4-	3	0.00	0.00	0	.	.
Dinitrotoluene, 2,6-	3	0.00	0.00	0	.	.
Dioxins	5	0.00	0.00	2	0.00	0.00
Diphenylhydrazine, 1,2-	3	0.00	0.00	0	.	.
DDT	132	15.68	0.00	49	123.00	3.00
Endosulfan, alpha-	17	0.35	0.00	1	6.00	6.00
Endosulfan, beta-	14	0.00	0.00	0	.	.
Endrin	53	0.43	0.00	2	12.00	11.00
Ethylbenzene	10	0.00	0.00	0	.	.
Fluoranthene	3	0.00	0.00	0	.	.
Fluorene	4	0.00	0.00	0	.	.
Fonofos	3	0.00	0.00	0	.	.
Heptachlor	92	0.00	0.00	0	.	.
Heptachlor epoxide	98	3.46	0.00	25	97.00	0.01
Hexachlorobenzene	43	0.04	0.00	1	1.90	1.90
Hexachlorobutadiene	4	0.00	0.00	0	.	.
Hexachloroethane	3	0.00	0.00	0	.	.
Indeno(1,2,3-cd)pyrene	3	0.00	0.00	0	.	.
Isophorone	3	0.00	0.00	0	.	.
Isopropalin	1	0.00	0.00	0	.	.
Lead	16	23.75	0.00	1	380.00	380.00
Malathion	4	0.00	0.00	0	.	.
Maleic anhydride	1	0.00	0.00	0	.	.
Manganese	7	5424.29	5300.00	7	6890.00	4320.00
Mercury	17	77.19	69.90	17	146.00	28.80
Methoxychlor	49	0.00	0.00	0	.	.

Tissue Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Metribuzin	3	0.00	0.00	0	.	.
Mirex/Dechlorane	39	0.00	0.00	0	.	.
Molybdenum	10	39.30	0.00	3	136.00	126.00
Naphthalene	3	0.00	0.00	0	.	.
Nickel	10	58.60	0.00	2	328.00	258.00
Nitrobenzene	3	0.00	0.00	0	.	.
Nitrophenol, 4	3	0.00	0.00	0	.	.
Nitrosodi-n-propylamine, N-	3	0.00	0.00	0	.	.
Nitrosodiphenylamine, N-	3	0.00	0.00	0	.	.
Parathion ethyl	4	0.00	0.00	0	.	.
Pentachlorobenzene	1	0.00	0.00	0	.	.
Pentachloronitrobenzene/Quin	1	0.00	0.00	0	.	.
Pentachlorophenol	7	0.00	0.00	0	.	.
Phenol	5	160.00	0.00	2	400.00	400.00
Polychlorinated biphenyls	397	147.68	0.00	129	4900.00	22.00
Prometon/Pramitol	3	0.00	0.00	0	.	.
Pyrene	4	0.00	0.00	0	.	.
Selenium	7	540.00	570.00	7	620.00	390.00
Silver	7	0.00	0.00	0	.	.
Simazine	3	0.00	0.00	0	.	.
Styrene	3	0.00	0.00	0	.	.
Tetrachlorobenzene, 1,2,4,5-	1	0.00	0.00	0	.	.
Tetrachloroethane, 1,1,2,2-	13	0.00	0.00	0	.	.
Tetrachloroethene	11	0.00	0.00	0	.	.
Tetrachloromethane	13	0.00	0.00	0	.	.
Toluene	10	0.00	0.00	0	.	.
Toxaphene	47	0.00	0.00	0	.	.
Tribromomethane/Bromoform	10	0.00	0.00	0	.	.
Trichlorobenzene, 1,2,4-	4	0.00	0.00	0	.	.
Trichloroethane, 1,1,1-	10	0.00	0.00	0	.	.
Trichloroethane, 1,1,2-	12	0.00	0.00	0	.	.
Trichloroethene	13	0.00	0.00	0	.	.
Trichloromethane/Chloroform	13	0.00	0.00	0	.	.
Trichlorophenol, 2,4,6-	3	0.00	0.00	0	.	.
Trifluralin/Treflan	7	0.00	0.00	0	.	.
Vanadium	10	68.90	60.50	5	155.00	121.00
Zinc	9	62511.11	74600.00	9	91900.00	4100.00