

Watershed Summary Information

Accounting Unit Name: Apalachicola

State(s): GA (AL)

Political Boundaries: Harris, Troup, Douglas, Lee, Carroll, Chambers, Fulton, Coweta, Heard, Cobb, Muscogee, Meriwether, Randolph, Paulding

Major Waterways: Chattahoochee R
Sweetwater Cr
Flat Shoal Cr
West Pont L
L Harding

Number of Stations in Watershed: Tier1 - 21
Tier2 - 4
Tier3 - 2

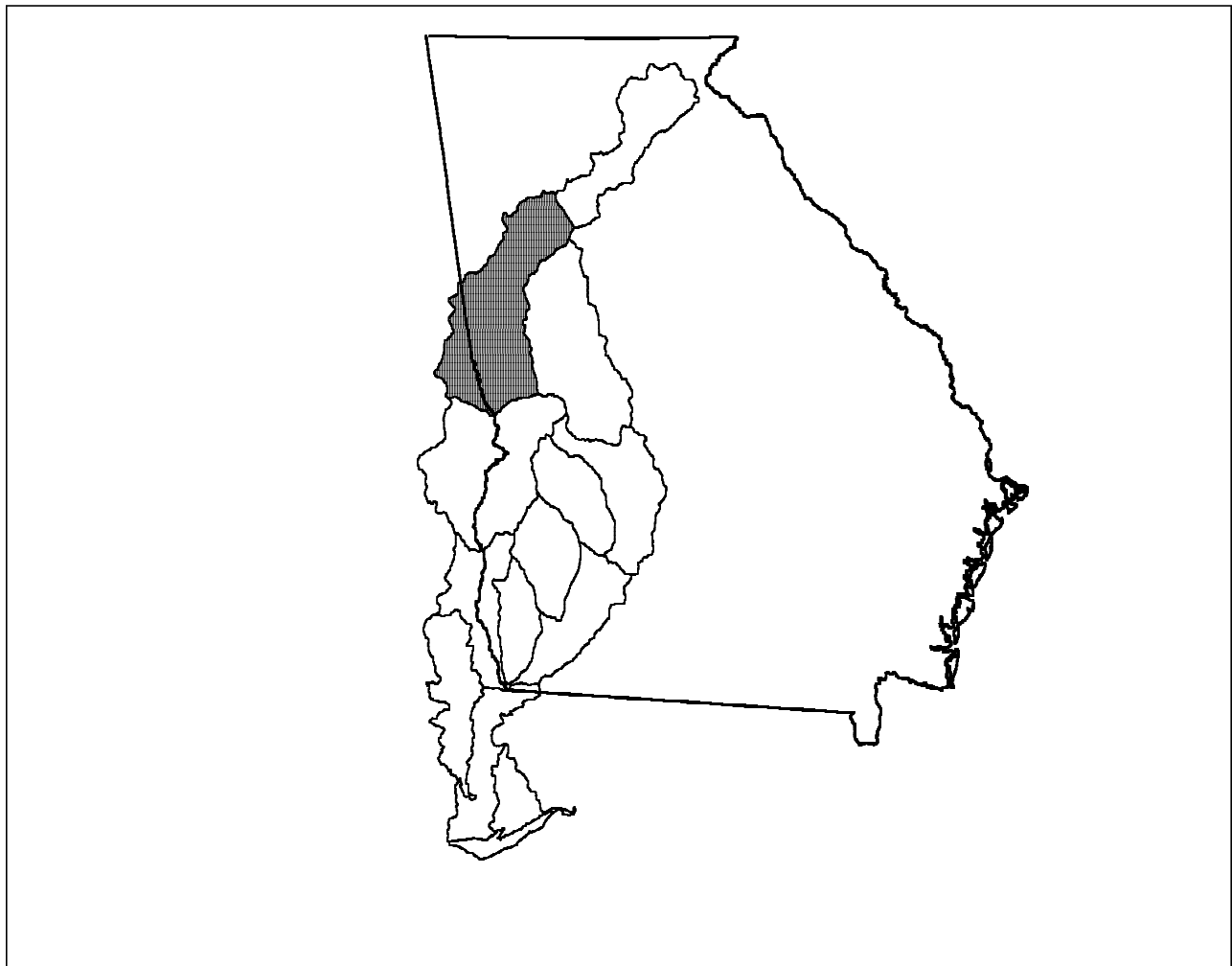


Figure 35. Watershed Location Map

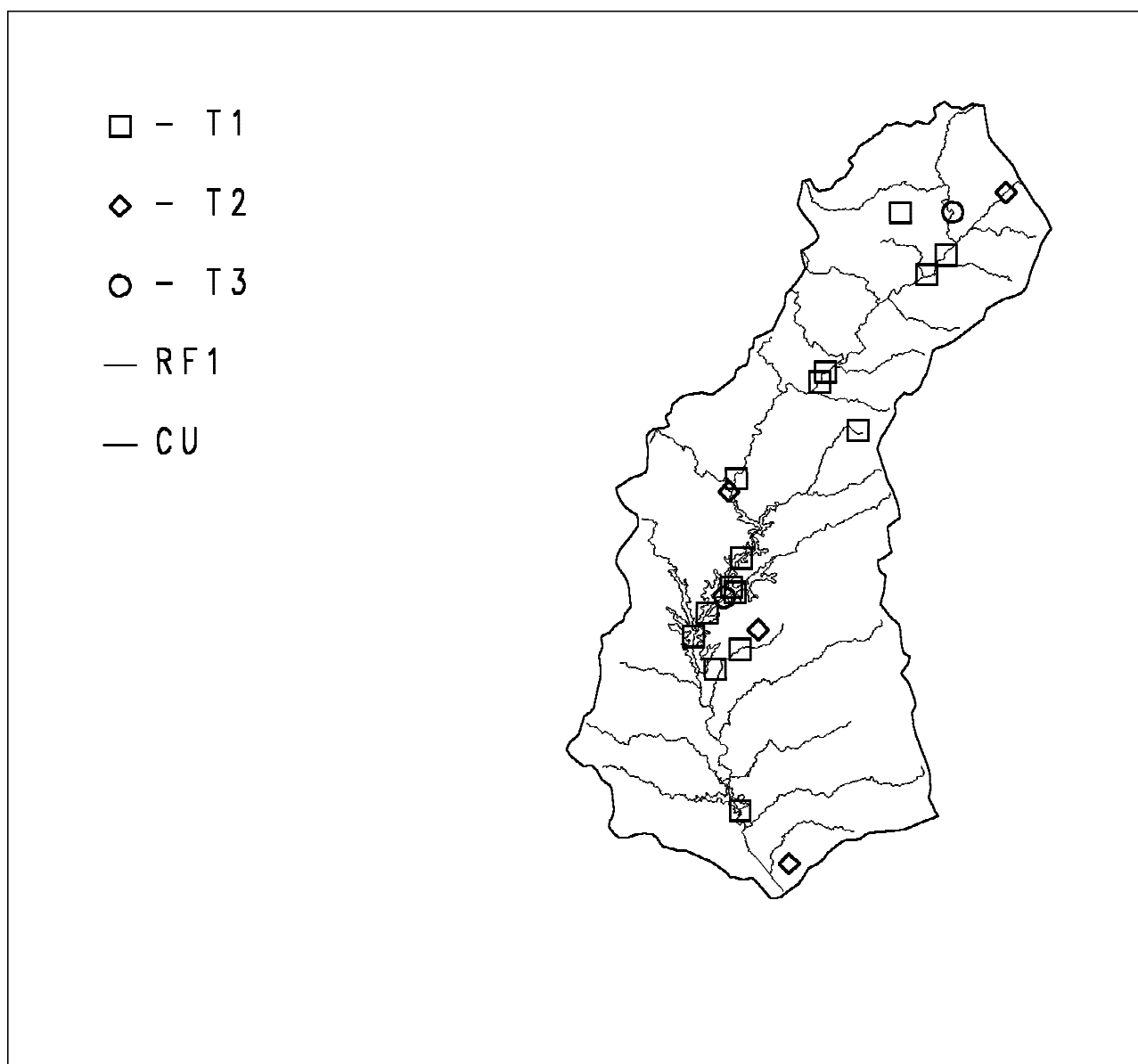


Figure 36. Major Waterways and Location of Sampling Stations

Data Source(s) Used in Evaluation

Source: **ODES** Agency: **GA**
 Monitoring Program: **Georgia**
 Num. of Stations: 3 Date Range: 1988

Source: **STORET** Agency: **11BIOACC**
 Monitoring Program: **USEPA National Bioaccumulation Study**
 Num. of Stations: 3 Date Range: 1988

Source: **STORET** Agency: **21GAEPD**
 Monitoring Program: **GA Dept of Nat Resources Resources Data**
 Num. of Stations: 21 Date Range: 1980-93

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	24	22	19	3	2	4	19	3
Chlordane	19	14	3	11	.	3	3	11
Dieldrin	19	11	1	10	.	2	1	10
Dioxins	6	6	6	.	.	.	6	.
DDT	17	6	2	4	1	3	1	4
Cadmium	12	6	.	6	.	6	.	.
Copper	12	6	.	6	.	6	.	.
Lead	12	5	.	5	.	5	.	.
Zinc	12	4	.	4	.	4	.	.
Chromium	12	3	.	3	.	3	.	.
Mercury	17	3	.	3	.	3	.	.
Bis(2-ethylhexyl)phthalate	9	2	1	1	1	1	.	1
Arsenic	12	2	.	2	.	2	.	.
Fluoranthene	6	2	.	2	.	2	.	.
Nickel	10	2	.	2	.	2	.	.
Pyrene	7	2	.	2	.	2	.	.
Silver	9	1	1	.	1	.	.	.
Benzo(b)fluoranthene	5	1	.	1	.	.	.	1
Benzoic acid	1	1	.	1	.	1	.	.
Hexachlorobenzene	8	1	.	1	.	1	.	.
Pentachlorophenol	6	1	.	1	.	1	.	.
Phenanthrene	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	5	0.00	0.00	0	.	.
Acenaphthylene	5	0.00	0.00	0	.	.
Acetone	1	0.00	0.00	0	.	.
Acrylonitrile	3	0.00	0.00	0	.	.
Aldrin	33	0.00	0.00	0	.	.
Anthracene	5	0.00	0.00	0	.	.
Antimony	18	1033.33	0.00	2	14000.00	4600.00
Arsenic	42	6442.86	0.00	17	35000.00	1800.00
Benzene	8	0.00	0.00	0	.	.
Benzo(a)anthracene	5	0.00	0.00	0	.	.
Benzo(a)pyrene	5	0.00	0.00	0	.	.
Benzo(b)fluoranthene	7	42.00	0.00	1	294.00	294.00
Benzo(ghi)perylene	5	0.00	0.00	0	.	.
Benzo(k)fluoranthene	5	0.00	0.00	0	.	.

Sediment Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Benzoic acid	2	540.00	540.00	1	1080.00	1080.00
Bis(2-ethylhexyl)phthalate	16	464.38	0.00	4	5533.00	239.00
Bromophenyl phenyl ether, 4-	5	0.00	0.00	0	.	.
Butyl benzyl phthalate	5	0.00	0.00	0	.	.
BHC	109	0.00	0.00	0	.	.
Cadmium	42	940.48	0.00	8	16000.00	1600.00
Chlordane	45	39.99	0.00	20	292.00	8.50
Chlorobenzene	2	0.00	0.00	0	.	.
Chromium	47	26772.34	22000.00	46	71000.00	5100.00
Chrysene	5	0.00	0.00	0	.	.
Copper	54	17103.70	12000.00	43	64000.00	3800.00
Di-n-butyl phthalate	9	36.67	0.00	1	330.00	330.00
Di-n-octyl phthalate	5	0.00	0.00	0	.	.
Dibenzo(a,h)anthracene	5	0.00	0.00	0	.	.
Dibenzofuran	3	0.00	0.00	0	.	.
Dibromochloromethane	4	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-	4	0.00	0.00	0	.	.
Dichloroethane 1,2-	2	0.00	0.00	0	.	.
Dichloroethene, trans-1,2-	2	0.00	0.00	0	.	.
Dichloromethane	8	0.00	0.00	0	.	.
Dichloropropane, 1,2-	2	0.00	0.00	0	.	.
Dieldrin	33	0.93	0.00	4	13.00	2.60
Diethyl phthalate	5	0.00	0.00	0	.	.
Dimethyl phthalate	5	0.00	0.00	0	.	.
Dimethylphenol, 2,4-	5	0.00	0.00	0	.	.
DDT	82	3.05	0.00	9	85.00	8.00
Endosulfan, alpha-	18	0.00	0.00	0	.	.
Endosulfan, beta-	17	0.00	0.00	0	.	.
Endrin	33	0.00	0.00	0	.	.
Ethylbenzene	3	0.00	0.00	0	.	.
Fluoranthene	11	388.82	0.00	4	1320.00	317.00
Fluorene	5	0.00	0.00	0	.	.
Heptachlor	18	0.00	0.00	0	.	.
Heptachlor epoxide	18	0.00	0.00	0	.	.
Hexachlorobenzene	26	2.88	0.00	1	75.00	75.00
Hexachlorobutadiene	2	0.00	0.00	0	.	.
Hexachloroethane	5	0.00	0.00	0	.	.
Indeno(1,2,3-cd)pyrene	5	0.00	0.00	0	.	.
Isophorone	5	0.00	0.00	0	.	.
Lead	48	36216.67	22500.00	46	120000.0	3800.00
Mercury	34	102.65	0.00	16	400.00	100.00

Sediment Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Methoxychlor	21	0.00	0.00	0	.	.
Methyl ethyl ketone	2	0.00	0.00	0	.	.
Methylnaphthalene, 2-	3	0.00	0.00	0	.	.
Mirex/Dechlorane	18	0.00	0.00	0	.	.
Naphthalene	6	0.00	0.00	0	.	.
Nickel	33	8330.30	7000.00	27	29000.00	4200.00
Nitrosodiphenylamine, N-	5	0.00	0.00	0	.	.
Pentachlorophenol	31	26.21	0.00	7	509.00	20.00
Phenanthrene	8	28.50	0.00	1	228.00	228.00
Phenol	21	0.00	0.00	0	.	.
Polychlorinated biphenyls	161	15.74	0.00	39	445.00	8.01
Pyrene	13	421.77	0.00	4	1730.00	293.00
Silver	17	305.88	0.00	1	5200.00	5200.00
Tetrachloroethene	8	0.00	0.00	0	.	.
Tetrachloromethane	5	0.00	0.00	0	.	.
Toluene	12	1.63	0.00	3	8.80	2.00
Toxaphene	33	0.00	0.00	0	.	.
Tribromomethane/Bromoform	4	0.00	0.00	0	.	.
Trichlorobenzene, 1,2,4-	5	0.00	0.00	0	.	.
Trichloroethane, 1,1,1-	8	0.00	0.00	0	.	.
Trichloroethane, 1,1,2-	3	0.00	0.00	0	.	.
Trichloroethene	5	0.00	0.00	0	.	.
Trichlorofluoromethane	3	1.00	0.00	1	3.00	3.00
Trichloromethane/Chloroform	9	0.00	0.00	0	.	.
Zinc	49	105761.2	90000.00	49	325000.0	9300.00

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	55	0.00	0.00	0	.	.
Anthracene	1	0.00	0.00	0	.	.
Antimony	6	0.00	0.00	0	.	.
Arsenic	15	0.00	0.00	0	.	.
Barium	1	0.00	0.00	0	.	.
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	.	.
Benzoic acid	1	0.00	0.00	0	.	.
Beryllium	8	0.00	0.00	0	.	.
Biphenyl	6	5.10	0.00	2	15.30	15.30

Tissue Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Bis(2-chloroethyl)ether	1	0.00	0.00	0	.	.
Bis(2-ethylhexyl)phthalate	5	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	220	0.57	0.00	6	21.90	18.50
Cadmium	15	0.00	0.00	0	.	.
Chlordane	134	380.42	178.50	109	3790.00	47.00
Chloronaphthalene, 2-	1	0.00	0.00	0	.	.
Chlorophenol, 2-	1	0.00	0.00	0	.	.
Chlorpyrifos/Dursban	6	44.57	45.60	6	64.50	23.60
Chromium	15	0.00	0.00	0	.	.
Chrysene	1	0.00	0.00	0	.	.
Copper	15	1406.67	0.00	5	14000.00	1000.00
Di-n-butyl phthalate	5	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	.	.
Dichlorobenzene, 1,2-	1	0.00	0.00	0	.	.
Dichlorobenzene, 1,3-	1	0.00	0.00	0	.	.
Dichlorobenzene, 1,4-	1	0.00	0.00	0	.	.
Dichlorophenol, 2,4-	1	0.00	0.00	0	.	.
Dichlorophenoxyacetic acid,	7	0.00	0.00	0	.	.
Dicofol/Kelthane	3	0.00	0.00	0	.	.
Dieldrin	60	7.20	0.00	15	94.10	10.00
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	.	.
Dinitrophenol, 2,4-	1	0.00	0.00	0	.	.
Dinitrotoluene, 2,4-	1	0.00	0.00	0	.	.
Dinitrotoluene, 2,6-	1	0.00	0.00	0	.	.
Dioxins	14	0.01	0.01	14	0.03	0.01
Diphenylhydrazine, 1,2-	1	0.00	0.00	0	.	.
DDT	242	54.43	0.00	110	700.00	8.00
Endosulfan, alpha-	46	0.00	0.00	0	.	.
Endosulfan, beta-	46	0.00	0.00	0	.	.
Endrin	58	0.00	0.00	0	.	.
Fluoranthene	3	0.00	0.00	0	.	.
Fluorene	1	0.00	0.00	0	.	.
Heptachlor	49	0.00	0.00	0	.	.
Heptachlor epoxide	49	0.00	0.00	0	.	.
Hexachlorobenzene	13	0.00	0.00	0	.	.
Hexachlorobutadiene	4	0.00	0.00	0	.	.
Hexachloroethane	1	0.00	0.00	0	.	.
Indeno(1,2,3-cd)pyrene	1	0.00	0.00	0	.	.
Isophorone	2	0.00	0.00	0	.	.

Tissue Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Isopropalin	3	0.00	0.00	0	.	.
Lead	15	0.00	0.00	0	.	.
Manganese	3	12400.00	8300.00	2	28900.00	8300.00
Mercury	20	49.00	0.00	8	300.00	70.00
Methoxychlor	14	2.56	0.00	2	17.90	17.90
Mirex/Dechlorane	16	8.85	0.00	6	35.50	14.40
Naphthalene	2	0.00	0.00	0	.	.
Nickel	10	0.00	0.00	0	.	.
Nitrobenzene	1	0.00	0.00	0	.	.
Nitrophenol, 4	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	3	0.00	0.00	0	.	.
Pentachloronitrobenzene/Quin	3	0.00	0.00	0	.	.
Pentachlorophenol	13	2.23	0.00	1	29.00	29.00
Phenol	6	0.00	0.00	0	.	.
Polychlorinated biphenyls	505	210.34	0.00	131	7190.00	30.00
Pyrene	4	0.00	0.00	0	.	.
Selenium	7	1228.57	0.00	1	8600.00	8600.00
Silver	5	0.00	0.00	0	.	.
Tetrachlorobenzene, 1,2,4,5-	3	0.00	0.00	0	.	.
Tin	3	0.00	0.00	0	.	.
Toxaphene	56	0.00	0.00	0	.	.
Trichlorobenzene, 1,2,4-	7	10.19	16.10	6	17.00	2.58
Trichlorophenol, 2,4,6-	1	0.00	0.00	0	.	.
Trichlorophenoxypropionic ac	7	0.00	0.00	0	.	.
Trifluralin/Treflan	3	0.00	0.00	0	.	.
Vanadium	1	0.00	0.00	0	.	.
Zinc	15	34120.00	16000.00	15	101000.0	4600.00