

Changes in Streamflow and Water Quality in Selected Nontidal Basins in the Chesapeake Bay Watershed, 1985-2004

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Appendix 4.1. Non-flow adjusted trend in concentration for the 9 River Input Monitoring Program sites and 23 Multi-Agency Nontidal Monitoring Program sites, 1985-2004, sorted by site number.

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[Values are in milligrams per liter. LCI, lower confidence interval; UCI, upper confidence interval; DIP, dissolved inorganic phosphorus; NO23, nitrite plus nitrate; TN, total nitrogen; TP, total phosphorus; SED, suspended sediment; NS, no significance; SIG-UP, significantly greater than; SIG-DOWN, significantly less than; PPCC, probability plot correlation coefficient; SCR, serial correlation of residuals]

Site name	Map ID	Site No.	Beginning date	End date	Constituent	LCI	Non-flow adjusted trend	UCI	Tau (p-value)	Significance	Comment
CHOPTANK RIVER NEAR GREENSBORO, MD	8	01491000	1985	2004	TN	-8.3	-1.9	4.9	-0.0193 (0.5731)	NS	-
CHOPTANK RIVER NEAR GREENSBORO, MD	8	01491000	1985	2004	NO23	-8.8	9	30.4	0.0863 (0.3445)	NS	-
CHOPTANK RIVER NEAR GREENSBORO, MD	8	01491000	1985	2004	TP	10.8	62	137	0.4827 (0.0128)	SIG-UP	-
CHOPTANK RIVER NEAR GREENSBORO, MD	8	01491000	1985	2004	DIP	5.1	48.6	110.2	0.3962 (0.0251)	SIG-UP	-
CHOPTANK RIVER NEAR GREENSBORO, MD	8	01491000	1985	2004	SED	-57.6	-18.9	55.4	-0.2093 (0.5279)	NS	-
SUSQUEHANNA RIVER AT TOWANDA, PA	1	01531500	1985	2004	TN	-39.9	-35	-29.7	-0.4307 (<0.0001)	SIG-DOWN	-
SUSQUEHANNA RIVER AT TOWANDA, PA	1	01531500	1991	2004	NO23	-47.7	-34	-16.6	-0.4149 (0.0005)	SIG-DOWN	*SCR > 0.5, *PPCC < 0.95
SUSQUEHANNA RIVER AT TOWANDA, PA	1	01531500	1985	2004	TP	-46.4	-31	-11.2	-0.3710 (0.0040)	SIG-DOWN	*SCR > 0.5
SUSQUEHANNA RIVER AT TOWANDA, PA	1	01531500	1989	2004	SED	-57.4	-24.7	33.3	-0.2833 (0.3306)	NS	-
SUSQUEHANNA RIVER AT DANVILLE, PA	2	01540500	1985	2004	TN	-39	-34.2	-29.2	-0.4193 (<0.0001)	SIG-DOWN	-
SUSQUEHANNA RIVER AT DANVILLE, PA	2	01540500	1985	2004	NO23	-37.5	-27.3	-15.4	-0.3188 (<0.0001)	SIG-DOWN	*PPCC < 0.95
SUSQUEHANNA RIVER AT DANVILLE, PA	2	01540500	1985	2004	TP	-54.3	-42	-26.4	-0.5442 (<0.0001)	SIG-DOWN	-
SUSQUEHANNA RIVER AT DANVILLE, PA	2	01540500	1985	2004	SED	-62.4	-30.8	27.5	-0.3681 (0.2379)	NS	-
WEST BRANCH SUSQUEHANNA RIVER AT LEWISBURG, PA	3	01553500	1985	2004	TN	-25.4	-19.8	-13.8	-0.2209 (<0.0001)	SIG-DOWN	-
WEST BRANCH SUSQUEHANNA RIVER AT LEWISBURG, PA	3	01553500	1985	2004	NO23	-11.4	-1.7	9.1	-0.0170 (0.7492)	NS	*SCR > 0.5
WEST BRANCH SUSQUEHANNA RIVER AT LEWISBURG, PA	3	01553500	1985	2004	TP	-58.5	-48	-34.7	-0.6534 (<0.0001)	SIG-DOWN	-
WEST BRANCH SUSQUEHANNA RIVER AT LEWISBURG, PA	3	01553500	1985	2004	SED	-56	-14.3	66.9	-0.1546 (0.6495)	NS	-
JUNIATA RIVER AT NEWPORT, PA	4	01567000	1985	2004	TN	-16.8	-9.1	-0.8	-0.0959 (0.0319)	SIG-DOWN	*SCR > 0.5
JUNIATA RIVER AT NEWPORT, PA	4	01567000	1985	2004	NO23	-1	10.6	23.6	0.1010 (0.0751)	NS	*PPCC < 0.95
JUNIATA RIVER AT NEWPORT, PA	4	01567000	1985	2004	TP	-45.3	-32.4	-16.5	-0.3918 (0.0003)	SIG-DOWN	-
JUNIATA RIVER AT NEWPORT, PA	4	01567000	1985	2004	SED	-70.1	-49.2	-13.8	-0.6775 (0.0122)	SIG-DOWN	*SCR > 0.5
SUSQUEHANNA RIVER AT MARIETTA, PA	5	01576000	1985	2004	TN	-22.8	-15.6	-7.7	-0.1694 (0.0002)	SIG-DOWN	*SCR > 0.5
SUSQUEHANNA RIVER AT MARIETTA, PA	5	01576000	1987	2004	NO23	-11.5	1.6	16.6	0.0156 (0.8242)	NS	*SCR > 0.5
SUSQUEHANNA RIVER AT MARIETTA, PA	5	01576000	1985	2004	TP	-37.8	-17.8	8.6	-0.1960 (0.1677)	NS	*SCR > 0.5
SUSQUEHANNA RIVER AT MARIETTA, PA	5	01576000	1987	2004	SED	-54.6	-21.5	35.9	-0.2419 (0.3874)	NS	-
CONESTOGA RIVER AT CONESTOGA, PA	6	01576754	1985	2004	TN	-21.2	-17.3	-13.1	-0.1895 (<0.0001)	SIG-DOWN	*SCR > 0.5
CONESTOGA RIVER AT CONESTOGA, PA	6	01576754	1986	2004	NO23	-7	5.8	20.4	0.0564 (0.3919)	NS	*SCR > 0.5
CONESTOGA RIVER AT CONESTOGA, PA	6	01576754	1985	2004	TP	-52.9	-37.7	-17.6	-0.4737 (0.0009)	SIG-DOWN	*SCR > 0.5
CONESTOGA RIVER AT CONESTOGA, PA	6	01576754	1985	2004	SED	-80.7	-61.2	-22	-0.9475 (0.0079)	SIG-DOWN	*SCR > 0.5
SUSQUEHANNA RIVER AT CONOWINGO, MD	7	01578310	1985	2004	TN	-30.9	-26.1	-20.9	-0.3022 (<0.0001)	SIG-DOWN	-
SUSQUEHANNA RIVER AT CONOWINGO, MD	7	01578310	1985	2004	NO23	-20.1	-13.2	-5.8	-0.1421 (0.0007)	SIG-DOWN	*SCR > 0.5
SUSQUEHANNA RIVER AT CONOWINGO, MD	7	01578310	1985	2004	TP	-40.3	-23.6	-2.4	-0.2695 (0.0316)	SIG-DOWN	-
SUSQUEHANNA RIVER AT CONOWINGO, MD	7	01578310	1985	2004	DIP	3.7	46.2	106.3	0.3800 (0.0304)	SIG-UP	-
SUSQUEHANNA RIVER AT CONOWINGO, MD	7	01578310	1985	2004	SED	-54	-28.6	10.9	-0.3368 (0.1334)	NS	*SCR > 0.5
NORTH BRANCH PATAPSCO RIVER AT CEDARHURST, MD	9	01586000	1985	2004	TSS	-66.1	-32	36.3	-0.3853 (0.2774)	NS	-
NORTH BRANCH PATAPSCO RIVER AT CEDARHURST, MD	9	01586000	1985	2004	TN	-3.5	4.6	13.3	0.0445 (0.2788)	NS	-
NORTH BRANCH PATAPSCO RIVER AT CEDARHURST, MD	9	01586000	1985	2004	TP	-71.3	-50.6	-15.2	-0.7061 (0.0106)	SIG-DOWN	-
PATUXENT RIV NEAR LAUREL, MD	10	01592500	1985	2004	TSS	-16.2	20.2	72.5	0.1842 (0.3169)	NS	-

Appendix 4.1. (Continued) Non-flow adjusted trend in concentration for the 9 River Input Monitoring Program sites and 23 Multi-Agency Nontidal Monitoring Program sites, 1985-2004, sorted by site number.

[Values are in milligrams per liter. LCI, lower confidence interval; UCI, upper confidence interval; DIP, dissolved inorganic phosphorus; NO23, nitrite plus nitrate; TN, total nitrogen; TP, total phosphorus; SED, suspended sediment; NS, no significance; SIG-UP, significantly greater than; SIG-DOWN, significantly less than; PPCC, probability plot correlation coefficient; SCR, serial correlation of residuals]

Site name	Map ID	Site No.	Beginning date	End date	Constituent	LCI	Non-flow adjusted trend	UCI	Tau (p-value)	Significance	Comment
PATUXENT RIV NEAR LAUREL, MD	10	01592500	1985	2004	TN	-12.3	-1.5	10.6	-0.0152 (0.7966)	NS	-
PATUXENT RIV NEAR LAUREL, MD	10	01592500	1985	2004	TP	-44.2	-25.6	-0.7	-0.2953 (0.0444)	SIG-DOWN	-
PATUXENT RIVER NEAR BOWIE, MD	11	01594440	1985	2004	TN	-64	-59.1	-53.5	-0.8940 (<0.0001)	SIG-DOWN	-
PATUXENT RIVER NEAR BOWIE, MD	11	01594440	1985	2004	NO23	-66.5	-58.9	-49.7	-0.8898 (<0.0001)	SIG-DOWN	-
PATUXENT RIVER NEAR BOWIE, MD	11	01594440	1985	2004	TP	-67.1	-60.1	-51.7	-0.9193 (<0.0001)	SIG-DOWN	-
PATUXENT RIVER NEAR BOWIE, MD	11	01594440	1985	2004	DIP	-75.1	-67.7	-58.1	-1.1310 (<0.0001)	SIG-DOWN	-
PATUXENT RIVER NEAR BOWIE, MD	11	01594440	1985	2004	SED	-62.5	-31.4	25.5	-0.3767 (0.2217)	NS	-
GEORGES CREEK AT FRANKLIN, MD	12	01599000	1985	2004	TSS	-59.1	-30.9	16.9	-0.3694 (0.1684)	NS	-
GEORGES CREEK AT FRANKLIN, MD	12	01599000	1985	2004	TN	-49.3	-42.3	-34.4	-0.5500 (<0.0001)	SIG-DOWN	-
GEORGES CREEK AT FRANKLIN, MD	12	01599000	1985	2004	TP	-74.8	-63.2	-46.2	-0.9993 (<0.0001)	SIG-DOWN	-
WILLS CREEK NEAR CUMBERLAND, MD	13	01601500	1985	2004	TSS	-54	-22	32.4	-0.2484 (0.3576)	NS	-
WILLS CREEK NEAR CUMBERLAND, MD	13	01601500	1985	2004	TN	-47	-30	-7.6	-0.3569 (0.0119)	SIG-DOWN	-
WILLS CREEK NEAR CUMBERLAND, MD	13	01601500	1985	2004	TP	-68.8	-52.8	-28.7	-0.7510 (0.0004)	SIG-DOWN	-
POTOMAC RIVER AT PAW PAW, WV	14	01610000	1985	2004	TSS	-61.2	-18.6	70.5	-0.2063 (0.5846)	NS	-
POTOMAC RIVER AT PAW PAW, WV	14	01610000	1985	2004	TN	-33.5	-22.9	-10.7	-0.2606 (0.0005)	SIG-DOWN	-
POTOMAC RIVER AT PAW PAW, WV	14	01610000	1985	2004	TP	-43	-19.5	13.6	-0.2174 (0.2165)	NS	-
CONOCOCHIEGUE CREEK AT FAIRVIEW, MD	15	01614500	1985	2004	TSS	-40.6	31.3	190.3	0.2722 (0.5014)	NS	-
CONOCOCHIEGUE CREEK AT FAIRVIEW, MD	15	01614500	1985	2004	TN	-20.4	-13.6	-6.3	-0.1460 (0.0004)	SIG-DOWN	*SCR > 0.5
CONOCOCHIEGUE CREEK AT FAIRVIEW, MD	15	01614500	1985	2004	NO23	-22.1	-13.7	-4.3	-0.1471 (0.0051)	SIG-DOWN	*SCR > 0.5
CONOCOCHIEGUE CREEK AT FAIRVIEW, MD	15	01614500	1985	2004	TP	-39.8	-14.9	20.4	-0.1611 (0.3629)	NS	*SCR > 0.5
CONOCOCHIEGUE CREEK AT FAIRVIEW, MD	15	01614500	1985	2004	DIP	-72	-65.4	-57.2	-1.0603 (<0.0001)	SIG-DOWN	*SCR > 0.5
ANTIETAM CREEK NEAR SHARPSBURG, MD	16	01619500	1985	2004	TSS	-57.3	-4.9	112.1	-0.0497 (0.9032)	NS	-
ANTIETAM CREEK NEAR SHARPSBURG, MD	16	01619500	1985	2004	TN	-31.9	-25.7	-18.9	-0.2969 (<0.0001)	SIG-DOWN	-
ANTIETAM CREEK NEAR SHARPSBURG, MD	16	01619500	1985	2004	TP	-64.7	-56.2	-45.7	-0.8260 (<0.0001)	SIG-DOWN	-
SOUTH RIVER NEAR WAYNESBORO, VA	17	01626000	1985	2004	TSS	-61.5	-32.7	17.6	-0.3963 (0.1643)	NS	-
SOUTH RIVER NEAR WAYNESBORO, VA	17	01626000	1985	2004	TN	-21	-8.3	6.6	-0.0861 (0.2606)	NS	-
SOUTH RIVER NEAR WAYNESBORO, VA	17	01626000	1985	2004	TP	-74.6	-66.8	-56.7	-1.1036 (<0.0001)	SIG-DOWN	-
S F SHENANDOAH RIVER AT FRONT ROYAL, VA	18	01631000	1985	2004	TSS	-76.9	-35.2	81.5	-0.4345 (0.4086)	NS	-
S F SHENANDOAH RIVER AT FRONT ROYAL, VA	18	01631000	1985	2004	TN	-51.4	-40.5	-27.1	-0.5188 (<0.0001)	SIG-DOWN	-
S F SHENANDOAH RIVER AT FRONT ROYAL, VA	18	01631000	1985	2004	TP	-47.3	-29.1	-4.6	-0.3439 (0.0233)	SIG-DOWN	-
S F SHENANDOAH RIVER AT FRONT ROYAL, VA	18	01631000	1985	2004	DIP	-28.3	4.2	51.5	0.0415 (0.8281)	NS	-
N F SHENANDOAH RIVER NEAR STRASBURG, VA	19	01634000	1985	2004	TSS	-59.2	39.8	378.7	0.3347 (0.5941)	NS	*PPCC < 0.95
N F SHENANDOAH RIVER NEAR STRASBURG, VA	19	01634000	1985	2004	TN	24.2	48.4	77.4	0.3949 (<0.0001)	SIG-UP	-
N F SHENANDOAH RIVER NEAR STRASBURG, VA	19	01634000	1985	2004	TP	196.8	328.8	519.6	1.4559 (<0.0001)	SIG-UP	-
N F SHENANDOAH RIVER NEAR STRASBURG, VA	19	01634000	1985	2004	DIP	448.5	751.7	1222.6	2.1421 (<0.0001)	SIG-UP	-
MONOCACY RIVER AT BRIDGEPORT, MD	20	01639000	1985	2004	TSS	-53.4	-29.2	7.5	-0.3454 (0.1048)	NS	-
MONOCACY RIVER AT BRIDGEPORT, MD	20	01639000	1985	2004	TN	-39.5	-26.8	-11.5	-0.3120 (0.0013)	SIG-DOWN	*SCR > 0.5
MONOCACY RIVER AT BRIDGEPORT, MD	20	01639000	1985	2004	TP	-46.9	-28	-2.5	-0.3288 (0.0340)	SIG-DOWN	-

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Site name	Map ID	Site No.	Beginning date	End date	Constituent	LCI	Non-flow adjusted trend	UCI	Tau (p-value)	Significance	Comment
MONOCACY RIVER AT JUG BRIDGE NEAR FREDERICK, MD	21	01643000	1985	2004	TSS	-48.7	8.7	130.1	0.0835 (0.8273)	NS	-
MONOCACY RIVER AT JUG BRIDGE NEAR FREDERICK, MD	21	01643000	1985	2004	TN	-21.7	-13.1	-3.6	-0.1405 (0.0080)	SIG-DOWN	-
MONOCACY RIVER AT JUG BRIDGE NEAR FREDERICK, MD	21	01643000	1985	2004	TP	-36.4	-18.6	4.2	-0.2060 (0.1023)	NS	-
POTOMAC RIVER AT CHAIN BRIDGE, AT WASHINGTON, DC	23	01646580	1985	2004	TN	-28.1	-12.3	7	-0.1310 (0.1961)	NS	*SCR > 0.5
POTOMAC RIVER AT CHAIN BRIDGE, AT WASHINGTON, DC	23	01646580	1985	2004	NO23	-21.1	-5	14.3	-0.0516 (0.5842)	NS	*SCR > 0.5, *PPCC < 0.95
POTOMAC RIVER AT CHAIN BRIDGE, AT WASHINGTON, DC	23	01646580	1985	2004	TP	-10.7	51	155.4	0.4121 (0.1243)	NS	*SCR > 0.5
POTOMAC RIVER AT CHAIN BRIDGE, AT WASHINGTON, DC	23	01646580	1985	2004	DIP	-6.2	30.9	82.7	0.2692 (0.1134)	NS	*SCR > 0.5
POTOMAC RIVER AT CHAIN BRIDGE, AT WASHINGTON, DC	23	01646580	1985	2004	SED	-84.9	-57.1	21.8	-0.8467 (0.1119)	NS	-
NW BRANCH ANACOSTIA RIVER NEAR HYATTSVILLE, MD	22	01651000	1985	2004	TSS	-64.8	-39.9	2.6	-0.5088 (0.0622)	NS	-
NW BRANCH ANACOSTIA RIVER NEAR HYATTSVILLE, MD	22	01651000	1985	2004	TN	-37	-26.4	-14	-0.3065 (0.0001)	SIG-DOWN	-
NW BRANCH ANACOSTIA RIVER NEAR HYATTSVILLE, MD	22	01651000	1985	2004	TP	-54	-35.1	-8.5	-0.4325 (0.0137)	SIG-DOWN	-
ROBINSON RIVER NEAR LOCUST DALE, VA	24	01666500	1985	2004	TSS	-53.4	12.6	172.5	0.1190 (0.7917)	NS	-
ROBINSON RIVER NEAR LOCUST DALE, VA	24	01666500	1985	2004	TN	-31.1	-15.9	2.8	-0.1728 (0.0911)	NS	-
ROBINSON RIVER NEAR LOCUST DALE, VA	24	01666500	1985	2004	TP	-72.5	-56.7	-32	-0.8375 (0.0003)	SIG-DOWN	*PPCC < 0.95
RAPPAHANNOCK RIVER NEAR FREDERICKSBURG, VA	25	01668000	1988	2004	TSS	-61.2	18.6	262.7	0.1704 (0.7651)	NS	-
RAPPAHANNOCK RIVER NEAR FREDERICKSBURG, VA	25	01668000	1985	2004	TN	-38.1	-8.5	35.2	-0.0891 (0.6546)	NS	-
RAPPAHANNOCK RIVER NEAR FREDERICKSBURG, VA	25	01668000	1985	2004	NO23	-69.7	-42.7	8.7	-0.5561 (0.0881)	NS	-
RAPPAHANNOCK RIVER NEAR FREDERICKSBURG, VA	25	01668000	1985	2004	TP	-56	-8.8	88.8	-0.0925 (0.8033)	NS	-
RAPPAHANNOCK RIVER NEAR FREDERICKSBURG, VA	25	01668000	1985	2004	DIP	-39.5	-10.3	32.9	-0.1093 (0.5868)	NS	-
NORTH ANNA RIVER AT HART CORNER NEAR DOSWELL, VA	27	01671020	1985	2004	TSS	-17.7	94.7	360.4	0.6662 (0.1293)	NS	-
NORTH ANNA RIVER AT HART CORNER NEAR DOSWELL, VA	27	01671020	1985	2004	TN	-8.2	13.8	41.2	0.1296 (0.2381)	NS	-
NORTH ANNA RIVER AT HART CORNER NEAR DOSWELL, VA	27	01671020	1985	2004	TP	-86.8	-80.4	-71	-1.6307 (<0.0001)	SIG-DOWN	-
PAMUNKEY RIVER NEAR HANOVER, VA	28	01673000	1989	2004	TSS	-28.4	40.7	176.1	0.3411 (0.3216)	NS	-
PAMUNKEY RIVER NEAR HANOVER, VA	28	01673000	1985	2004	TN	1.7	15.4	31.1	0.1435 (0.0267)	SIG-UP	-
PAMUNKEY RIVER NEAR HANOVER, VA	28	01673000	1985	2004	NO23	24.3	46.4	72.4	0.3813 (<0.0001)	SIG-UP	-
PAMUNKEY RIVER NEAR HANOVER, VA	28	01673000	1985	2004	TP	54.5	90.4	134.7	0.6440 (<0.0001)	SIG-UP	-
PAMUNKEY RIVER NEAR HANOVER, VA	28	01673000	1985	2004	DIP	73.5	153.9	271.6	0.9319 (<0.0001)	SIG-UP	-
MATTAPONI RIVER NEAR BEULAHVILLE, VA	26	01674500	1989	2004	TSS	-34.8	1.2	57.2	0.0124 (0.9559)	NS	-
MATTAPONI RIVER NEAR BEULAHVILLE, VA	26	01674500	1985	2004	TN	-20.4	-10.3	1.2	-0.1082 (0.0770)	NS	-
MATTAPONI RIVER NEAR BEULAHVILLE, VA	26	01674500	1985	2004	NO23	-26.7	-11.4	7	-0.1215 (0.2087)	NS	-
MATTAPONI RIVER NEAR BEULAHVILLE, VA	26	01674500	1985	2004	TP	-29.6	-15.3	1.9	-0.1658 (0.0791)	NS	-
MATTAPONI RIVER NEAR BEULAHVILLE, VA	26	01674500	1985	2004	DIP	-6.3	14.5	39.9	0.1356 (0.1848)	NS	-
JAMES RIVER AT BENT CREEK, VA	29	02026000	1985	2004	TSS	-56.5	-1.8	121.4	-0.0186 (0.9643)	NS	-
JAMES RIVER AT BENT CREEK, VA	29	02026000	1985	2004	TN	-39.6	-26.5	-10.6	-0.3084 (0.0021)	SIG-DOWN	-
JAMES RIVER AT BENT CREEK, VA	29	02026000	1985	2004	TP	-84.9	-79.1	-71	-1.5660 (<0.0001)	SIG-DOWN	-
JAMES RIVER AT CARTERSVILLE, VA	30	02035000	1988	2004	TSS	-70.4	-31.5	58.7	-0.3777 (0.3780)	NS	-
JAMES RIVER AT CARTERSVILLE, VA	30	02035000	1985	2004	TN	-41.5	-22.2	3.5	-0.2508 (0.0851)	NS	-
JAMES RIVER AT CARTERSVILLE, VA	30	02035000	1985	2004	NO23	-66.5	-51.9	-30.7	-0.7309 (<0.0001)	SIG-DOWN	-
JAMES RIVER AT CARTERSVILLE, VA	30	02035000	1985	2004	TP	-67	-54.2	-36.5	-0.7808 (<0.0001)	SIG-DOWN	-

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Site name	Map ID	Site No.	Beginning date	End date	Constituent	LCI	Non-flow adjusted trend	UCI	Tau (p-value)	Significance	Comment
JAMES RIVER AT CARTERSVILLE, VA	30	02035000	1985	2004	DIP	-80.7	-73.8	-64.4	-1.3397 (<0.0001)	SIG-DOWN	-
JAMES RIVER NEAR RICHMOND, VA	31	02037500	1985	2004	TSS	-61.7	3.3	178.9	0.0325 (0.9488)	NS	-
JAMES RIVER NEAR RICHMOND, VA	31	02037500	1985	2004	TN	-34.3	-13.6	13.7	-0.1460 (0.2963)	NS	-
JAMES RIVER NEAR RICHMOND, VA	31	02037500	1985	2004	TP	-76	-68.1	-57.8	-1.1437 (<0.0001)	SIG-DOWN	-
APPOMATTOX RIVER AT MATOACA, VA	32	02041650	1989	2004	TSS	-40.9	-4.7	53.6	-0.0482 (0.8431)	NS	-
APPOMATTOX RIVER AT MATOACA, VA	32	02041650	1985	2004	TN	-15.2	-4.1	8.4	-0.0418 (0.5043)	NS	-
APPOMATTOX RIVER AT MATOACA, VA	32	02041650	1985	2004	NO23	-37.2	-19.1	4.1	-0.2121 (0.0994)	NS	-
APPOMATTOX RIVER AT MATOACA, VA	32	02041650	1985	2004	TP	-7.3	24.5	67.1	0.2189 (0.1448)	NS	-
APPOMATTOX RIVER AT MATOACA, VA	32	02041650	1985	2004	DIP	-19.9	-0.8	22.9	-0.0080 (0.9419)	NS	-