

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Special study and miscellaneous sites

Discharge measurements in the following table were made at special study and miscellaneous sites throughout the State. Data for miscellaneous sites provided by the Virginia Department of Environmental Quality - Water Division are noted by an "[a]".

Discharge measurements made at special study and miscellaneous sites during water year 1999

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
POTOMAC RIVER BASIN						
01605200 West Strait Creek [a]	Strait Creek	Lat 38°24'57", long 79°34'24", Highland County, at Monterey sewage treatment plant discharge, 0.3 mi upstream from Burners Run, and 0.4 mi downstream from bridge on U.S. Highway 220.	1.50	1995-98	7- 8-99	.163
01616190 Hot Run [a]	Opequon Creek	Lat 39°14'31", long 78°06'15", Frederick County, 200 ft upstream from railroad culvert, 0.9 mi upstream from confluence with Clearbrook Run, and at Stephenson.	0.14	-	10- 5-98 5- 4-99 6-30-99 8-17-99	.448 1.53 .925 .574
01616200 Clearbrook Run [a]	Hot Run	Lat 39°15'06", long 78°05'31", Frederick County, upstream from W.S. Frey Company discharge, 0.04 mi downstream from U.S. Highway 11, and 0.4 mi southeast of Clear Brook.	1.4	1994-98	5- 4-99 6-30-99 8-17-99	.851 .376 0
01621100 Muddy Creek [a]	Dry River	Lat 38°27'58", long 78°58'33", Rockingham County, 60 ft upstream from Wampler and Longacre discharge, 350 ft downstream from bridge on U.S. Highway 33, and 0.2 mi west of Hinton.	16.4	1963, 1976, 1979, 1981, 1991-94, 1997-98	9- 3-99	.396
01621210 War Branch [a]	Muddy Creek	Lat 38°27'58", long 78°58'38", Rockingham County, 500 ft upstream from mouth, and 0.3 mi west of Hinton.	12.5	1979, 1981, 1991-94, 1997-98	9- 3-99	.154
01621305 Dry River [a]	North River	Lat 38°23'33", long 78°58'51", Rockingham County, at bridge on State Highway 1306 (North River Road), at Bridgewater, and 100 ft upstream from mouth.	121.17	1993-96	7- 9-99	0
01621395 Blacks Run	Cooks Creek	Lat 38°27'47", long 78°51'55", Harrisonburg City, next to State Highway 753 (Liberty Street), 2 blocks west of US Highway 11, and 1.5 mi west of I-81.	-	-	3-22-99	2.39
01621410 Blacks Run	Cooks Creek	Lat 38°25'18", long 78°53'18", Harrisonburg City, below bridge on State Highway 726 1 block east of US Highway 11, and .5 mi west of I-81.	-	-	3-22-99 8-19-99	13.6 .84
01621425 Blacks Run	Cooks Creek	Lat 38°24'07", long 78°54'49", Harrisonburg City, below bridge at State Highway 679, .5 mi east of I-81.	-	-	3-22-99 8-19-99	21.0 2.34
01621440 Blacks Run	Cooks Creek	Lat 38°23'23", long 78°54'49", Harrisonburg City, below bridge on State Highway 988, .25 mi east of I-81.	-	-	3-22-99 8-19-99	22.7 2.00

a Provided by the Virginia Department of Environmental Quality - Water Division.

Discharge measurements made at special study and miscellaneous sites during water year 1999--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
POTOMAC RIVER BASIN--Continued						
01622220 Unnamed tributary [a]	Middle River	Lat 38°04'23", long 79°14'57", Augusta County, at Castaline Trout Farms-Middlebrook, 0.6 mi upstream from bridge on State Highway 602, 0.7 mi upstream from mouth, and 2.4 mi northwest of Middlebrook.	1.13	1994-98	10-27-98	1.94
0162222990 Unnamed tributary [a] (No.2)	Middle River	Lat 38°07'58", long 79°13'30", Augusta County, 150 ft downstream from Camp Shenandoah Lake, 0.4 mi upstream from mouth, and 2.0 mi southwest of Swoope.	0.99	1996-98	5-19-99 7- 9-99	1.99 .810
01622468 Jennings Branch [a]	Middle River	Lat 38°16'57", long 79°13'47", Augusta County, at Whites Store, 200 ft upstream from Stoutameyer Branch, and 3.5 mi northwest of Lone Fountain.	9.2	1996-98	6-29-99 8- 9-99	.038 0
01624350 Middle River [a]	North River	Lat 38°11'25", long 78°58'27", Augusta County, 500 ft upstream from Staunton/Verona sewage treatment plant discharge, 1,500 ft upstream from Lewis Creek, and 2.0 mi southwest of Verona.	-	1991-93, 1995, 1997-98	8- 9-99	28.7
01624660 Christians Creek	Middle River	Lat 38°02'38", long 79°05'17", Augusta County, 200 ft upstream from US Highway 340, .1 mi west of State Highway 652, 3.0 mi west of Stuarts Draft.	-	-	3-25-99 7-27-99	15.3 3.77
01624700 Christians Creek	Middle River	Lat 38°05'35", long 79°01'54", Augusta County, below State Highway 635, 3.5 mi north of Stuarts Draft.	-	-	3-25-99 7-27-99	56.0 11.1
01624620 Christians Creek	Middle River	Lat 38°08'14", long 79°10'05", Augusta County, 75 ft upstream of State Highway 604, 1.0 mi south of State Highway 701, and 1.25 mi northeast of Greenville.	-	-	3-25-99 7-27-99	2.40 .60
01624615 Christians Creek	Middle River	Lat 38°02'09", long 79°10'06", Augusta County, below spring house, .25 mi above State Highway 693, 1.25 mi southwest of Middlebrook, and 3 mi northeast of Greenville.	-	-	3-25-99 7-27-99	.08 .03
01624800 Christians Creek	Middle River	Lat 38°07'42", long 78°59'41", Augusta County, at State Highway 794, 2.2 mi northwest of Fishersville, and 12 mi upstream from mouth.	70.1	1967-97	3-25-99 5- 5-99 7-27-99	72.8 22.6 13.2
01624880 Meadow Run [a]	Christians Creek	Lat 38°09'17", long 78°55'24", Augusta County, 0.2 mi downstream from bridge on State Highway 254, 0.4 mi upstream from Coleytown Run, and 1.0 mi northwest of Hermitage.	11.83	1995-98	5-19-99 8- 9-99	4.14 2.03

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DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at special study and miscellaneous sites during water year 1999--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
POTOMAC RIVER BASIN--Continued						
01624900 Christians Creek	Middle River	Lat 38°11'35", long 78°56'07", Augusta County, below State Highway 612, 100 ft above mouth, and 3.5 mi east of Verona.	-	-	3-25-99	102
					7-27-99	13.6
01624940 Unnamed tribu- tary [a] (No.3)	Middle River	Lat 38°14'54", long 78°57'37", Augusta County, at Mt. Sidney/ Fort Defiance sewage treatment plant, 100 ft upstream from Railroad bridge, 0.3 mi downstream from culvert on U.S. Highway 11, and 0.7 mi south of Mount Sidney.	0.25	1996-98	5-19-99	.191
					7- 9-99	.090
01625847 South River [a]	South Fork Shenandoah River	Lat 38°01'07", long 79°01'08", Augusta County, at Stuarts Draft sewage treatment plant, 0.8 mi downstream from bridge on State Highway 608, and 1.2 mi southeast of Stuarts Draft.	52.47	1997-98	6-29-99	5.12
01626575 Jones Hollow Run [a]	South River	Lat 38°03'45", long 78°52'24", Waynesboro City at culverts on Hunter Street in Waynesboro, 0.6 mi upstream from mouth, and 0.8 mi downstream from Jones Hollow Dam.	2.6	1997-98	8- 9-99	0
01626952 Porter- field Run [a]	South River	Lat 38°08'04", long 78°52'00", Augusta County, 0.3 mi up- stream from mouth, 0.5 mi downstream from culvert on State Highway 865, and 0.8 mi east of Madrid.	4.79	1998	5- 7-99 7- 9-99	.667 .230
01628590 Unnamed tribu- tary [a] (No.2)	Cub Run	Lat 38°22'43", long 78°48'21", Rockingham County, at Lawyer Road sewage treatment plant, 0.4 mi upstream from mouth, and 0.5 mi south of Penn Laird.	0.687	1994-98	7- 9-99	0
01629945 Chub Run	Hawksbill Creek	Lat 38°34'31", long 78°27'32", Page County, at culvert on State Highway 689, 2.2 mi east of Stanley, and 3.1 mi upstream from mouth.	3.16	1994, 1998	7-20-99	0
North Fork Shenandoah River [a]	Shenandoah River	Lat 38°38'07", long 78°46'43", Rockingham County, 0.3 mi up- stream from bridge on State Highway 42, 0.4 mi southwest of Timberville.	-	1980-81	7-23-99	3.85
					7-28-99	3.89
North Fork Shenandoah River [a]	Shenandoah River	Lat 38°39'07", long 78°41'54", Shenandoah County, at bridge on State Highway 728, 1.5 mi west of New Market.	-	1979	7-28-99	9.84
01632700 Holmans Creek [a]	North Fork Shenandoah River	Lat 38°42'57", long 78°45'37", Shenandoah County, 100 ft downstream from Lake Wunder, 0.2 mi upstream from State Highway 728 and 1.4 mi west of Forestville.	4.96	1994-98	7-20-99	.121

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Discharge measurements made at special study and miscellaneous sites during water year 1999--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
POTOMAC RIVER BASIN--Continued						
01633100 Unnamed tribu- tary [a]	Stony Creek	Lat 38°47'47", long 78°48'43", Shenandoah County, at Orkney Springs, 60 ft downstream from bridge on State Highway 263, and 0.95 mi upstream from mouth.	1.19	1991-96	7-20-99	.025
01633570 North Fork Shenandoah River [a]	Shenandoah River	Lat 38°49'34", long 78°32'03", Shenandoah County, upstream from Aileen, Inc. water intake, 1.5 mi downstream from Stony Creek, and 1.7 mi east of Edinburg.	644	1993-95, 1997-98	7-20-99	62.7
01633730 Toms Brook [a]	North Fork Shenandoah River	Lat 38°56'42", long 78°26'32", Shenandoah County, at bridge on U.S. Highway 11, at Toms Brook.	9.35	1952-54, 1969-70, 1994-98	7-20-99	.412
01636228 Crooked Run [a]	Shenandoah River	Lat 38°59'14", long 78°11'00", Warren County, 0.7 mi upstream from bridge on State Highway 627, 0.7 mi north of Cedarville.	29.88	1997-98	5-18-99 7-14-99	2.93 1.14
01636240 Crooked Run [a]	Shenandoah River	Lat 38°57'22", long 78°11'53", Warren County, 100 ft down- stream from bridge on U.S. Highways 340 and 522, 0.6 mi north of Riverton, and 0.9 mi upstream from mouth.	-	1991-98	5-18-99 7-14-99	5.80 2.00
01636266 Manassas Run [a]	Shenandoah River	Lat 38°54'49", long 78°05'58", Warren County, 100 ft upstream from bridge on State Highway 79, 1.3 mi west of Linden.	5.25	1991-98	5-18-99 7-14-99	.971 .121
01636295 Roseville Run [a]	Spout Run	Lat 39°05'18", long 78°03'51", Clarke County, at Boyce sewage treatment plant discharge, at Boyce town boundary, and 100 ft downstream from bridge on U.S. Highway 340.	2.47	1995-98	5- 4-99 6-30-99	.468 .105
01644110 Sycolin Creek [a]	Goose Creek	Lat 39°04'20", long 77°31'09", Loudoun County, upstream from Goose Creek Industrial Park wastewater treatment plant dis- charge, 0.2 mi upstream from mouth, and 3.8 mi southeast of Leesburg.	-	1993-97	8-17-99	.854
1653900 Accotink Creek	Potomac River	Lat 38°51'39", long 77°16'17", Fairfax City, 300 ft up- stream of Pickett Road, .25 mi south of Fairfax Circle.	-	-	3-18-99 8-11-99	5.84 0
01653985 Accotink Creek	Potomac River	Lat 38°50'46", long 77°14'16", Fairfax City, 200 ft up- stream of Woodburn Road, .5 mi north of Little River Turnpike, and 1.0 mi west of I-495.	-	-	3-18-99 8-11-99	15.7 0
01653995 Accotink Creek	Potomac River	Lat 38°49'32", long 77°13'29", in Wakefield Park, .25 mi west of I-495, and .5 mi south of Little River Turn- pike.	-	-	3-18-99 8-11-99	19.4 0

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Discharge measurements made at special study and miscellaneous sites during water year 1999--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
POTOMAC RIVER BASIN--Continued						
01654520 Accotink Creek	Potomac River	Lat 38°48'15", long 77°16'02", at mouth of Lake Accotink, .5 mi south of Braddock Road.	-	-	3-18-99	25.6
					8-11-99	0
01660860 Bridges Creek at Mouth	Potomac River	Lat 38°12'08", long 76°56'01", Westmoreland County, at mouth, 1.25 mi north north- west of entrance to George Washington Birthplace National Monument, and 3.75 mi north- east of Oak Grove, VA.	3.06	-	10- 6-98	0
					12-15-98	0
					2- 3-99	2.91
					6-15-99	4.95
0166087770 Dancing Marsh	Popes Creek	Lat 38°11'09", long 76°55'11", Westmoreland County, at George Washington Birthplace National Monument, 500 ft downstream from Ice Pond, 1,000 ft upstream from mouth, and 4 mi northeast of Oak Grove, VA.	-	-	10- 6-98	-.06
					2- 3-99	.17
					6-15-99	.05
GREAT WICOMICO RIVER BASIN						
01661800 Bush Mill Stream [b]	Great Wicomico River	Lat 37°52'36", long 76°29'40", Northumberland County, at bridge on State Highway 601, 2.2 mi northwest of Howland, 3.0 mi southwest of Heathsville, and 3.5 mi upstream from mouth.	6.82	1964-69†, 1970-86†, 1987-93, 1996-98	5- 4-99	2.43
RAPPAHANNOCK RIVER BASIN						
01661835 Unnamed tribu- tary [a]	Hickman Run	Lat 38°45'14", long 78°06'24", Rappahannock County, 50 ft upstream from culvert on State Highway 641, 0.8 mi southwest of Flint Hill.	0.125	1994-98	7-14-99	0
01662010 Unnamed tribu- tary [a] (No.8)	Rappahannock River	Lat 38°39'50", long 77°54'50", Culpeper County, at South Wales sewage treatment plant discharge, 0.7 mi upstream from confluence with Rappahannock River, and 1.9 mi north of Jeffersonton.	1.21	1995-98	5-17-99 7-15-99	.250 <.001
01662050 Unnamed tribu- tary [a]	Great Run	Lat 38°43'00", long 77°48'57", Fauquier County, upstream from Warrenton sewage treat- ment plant discharge, at Warrenton, and 300 ft up- stream from bridge on U.S. Highway 211.	1.24	1993-98	7-15-99	.096
01662320 Thornton River [a]	Hazel River	Lat 38°39'29", long 78°13'13", Rappahannock County, at Sperry- ville, 0.25 mi upstream from con- fluence with N.F. Thornton River and 0.3 mi downstream from bridge on U.S. Highway 522.	10.4	1995-98	5-17-99 7-15-99	4.59 .713

† Operated as a continuous-record gaging station.

< Less than.

a Provided by the Virginia Department of Environmental Quality - Water Division.

b Provided by both the U.S. Geological Survey and Virginia Department of Environmental Quality - Water Division.

Discharge measurements made at special study and miscellaneous sites during water year 1999--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
RAPPAHANNOCK RIVER BASIN--Continued						
0166504850 Mountain Run [a]	Rappahannock River	Lat 38°27'45", long 77°58'09", Culpeper County, at Culpeper sewage treatment plant, 800 ft upstream from bridge on U.S. Highway 29, and 1.6 mi southeast of Culpeper.	-	-	10-15-98	.789
					5-17-99	5.34
					7-15-99	.368
01665050	Mountain Run Pony Mountain Branch	Lat 38°27'04", long 77°57'24", Culpeper County, at culvert on State Highway 3, 0.3 mi upstream from mouth, and 2.7 mi southeast of Culpeper.	.30	1983, 1994, 1998	4-29-99	0
01668300	Rappahannock Farmers Hall Creek	Lat 38°00'05", long 76°58'40", Essex County, at culvert on U.S. Highway 17, 1.2 mi southeast of Champlain.	2.18	1969, 1991, 1996-98	4-29-99	.551
PIANKATANK RIVER BASIN						
01669800	Piankatank River My Ladys Swamp	Lat 37°34'34", long 76°31'30", Middlesex County, at culvert on State Highway 629, 4.4 mi southeast of Saluda, and 1.45 upstream from mouth.	4.81	1996-98	5-4-99	3.08
YORK RIVER BASIN						
01670300 Contrary Creek [b]	North Anna River	Lat 38°03'53", long 77°52'45", Louisa County, at bridge on U.S. Highway 522, 1.2 mi up- stream from Lake Anna, 4.0 mi northeast of Mineral, and 5.1 mi upstream from former mouth.	5.53	1976-87† 1989-98	*10- 9-97	.969
					*6-30-98	2.32
					*9- 1-98	.568
					5- 6-99	2.03
					7-16-99	.419
01670320	Contrary Creek Freshwater Creek [a]	Lat 38°00'33", long 77°53'56", Louisa County, 20 ft upstream from Mineral sewage treatment plant, 600 ft upstream from culvert on State Highway 618, and 0.5 mi east of Mineral.	-	1991-98	7-16-99	0
01671270 Licking- hole Creek [a]	South Anna River	Lat 38°04'33", long 78°08'55", Louisa County, 700 ft down- stream from Izac Lake, 0.5 mi upstream from mouth, and 2.1 mi east of Boswells Tavern.	2.73	1998	5- 6-99	.703
					7-16-99	.010
01674160 Polecat Creek [a]	Mattaponi River	Lat 37°58'09", long 77°32'20", Caroline County, 150 ft down- stream from culvert on State Highway 601, 0.7 mi northeast of Cedar Fork, and 2.1 mi west of Golansville.	1.15	1994-98	10- 7-98	.002
					11- 2-98	.001
					12- 3-98	.002
					1-11-99	.062
					2-17-99	.088
					3-15-99	12.4
					4- 7-99	.418
					5- 5-99	.088
					6- 3-99	.002
					7- 6-99	<.001
					8- 5-99	0
9- 7-99	<.001					

* Not previously published.
< Less than.

† Operated as a continuous-record gaging station.

a Provided by the Virginia Department of Environmental Quality - Water Division.

b Provided by both the U.S. Geological Survey and Virginia Department of Environmental Quality - Water Division.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at special study and miscellaneous sites during water year 1999--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
YORK RIVER BASIN--Continued						
01674171	Polecat Creek	Lat 37°57'56", long 77°29'17", Caroline County, 200 ft up- stream from mouth, 1.2 mi south of Golansville, and 2.4 mi north of Carmel Church.	3.94	1994-98	10- 7-98	0
	Unnamed				11- 2-98	.002
	tribu-				12- 3-98	.095
	tary [a]				1-11-99	.888
					2-17-99	.757
					3-15-99	28.4
					4- 7-99	2.27
					5- 5-99	.605
					6- 3-99	.002
					7- 6-99	.026
					8- 5-99	0
					9- 7-99	3.21
01674172	Mattaponi River	Lat 37°58'13", long 77°29'13", Caroline County, 150 ft upstream from bridge on State Highway 652, 0.5 mi upstream from Stevens Mill Run, and 1.1 mi southeast of Golansville.	10.8	1994-98	10- 7-98	0
	Polecat				11- 2-98	.002
	Creek [a]				12- 3-98	.312
					1-11-99	1.58
					2-17-99	2.15
					3-15-99	116
					4- 7-99	6.15
					5- 5-99	1.53
					6- 3-99	.004
					7- 6-99	.015
					8- 5-99	0
					9- 7-99	3.00
01674174	Polecat Creek	Lat 37°59'20", long 77°29'50", Caroline County, 100 ft downstream from bridge on State Highway 601, 0.6 mi north of Golansville, 0.8 mi downstream from Lake Caroline, and 1.6 mi upstream from mouth.	9.50	1994-98	10- 7-98	.103
	Stevens				11- 2-98	.389
	Mill				12- 3-98	.775
	Run [a]				1-11-99	.219
					2-17-99	1.00
					3-15-99	37.4
					4- 7-99	4.82
					5- 5-99	.659
					6- 3-99	.110
					7- 6-99	.063
					8- 5-99	.051
					9- 7-99	.711
01674180	Mattaponi River	Lat 37°57'20", long 77°22'08", Caroline County, 200 ft upstream from bridge on State Highway 601, 0.25 mi southeast of Penola, and 2.2 mi upstream from mouth.	48.3	1994-98	10- 7-98	0
	Polecat				11- 2-98	.666
	Creek [a]				12- 3-98	3.48
					1-11-99	10.5
					2-17-99	13.9
					3-15-99	156
					4- 7-99	35.7
					5- 5-99	9.54
					6- 3-99	.700
					7- 6-99	1.35
					8- 5-99	0
					9- 7-99	13.8
01674200	Mattaponi River	Lat 37°52'55", long 77°21'35", Caroline County, at bridge on U.S. Highway 301, 3.3 mi north of Dawn and 11 mi south of Bowling Green.	16.8	1950, 1952-53, 1955-57, 1961, 1969, 1973-75, 1990-93, 1996-98	4-29-99	6.29
	Reedy					
	Creek					
JAMES RIVER BASIN						
02011010	James River	Lat 38°02'57", long 79°47'43", Bath County, 100 ft upstream from Warm Springs sewage treatment plant, 0.2 mi down- stream from unnamed tributary, and 0.3 mi northwest of Warm Springs.	2.96	1991-98	7- 2-99	2.79
	Warm					
	Springs					
	Run [a]					

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Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
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JAMES RIVER BASIN--Continued						
02011830 Hot Springs Run [a]	Cedar Creek	Lat 38°00'33", long 79°51'47", Bath County, 50 ft upstream from Hot Springs Regional sewage treatment plant, 0.5 mi east of Bacova Junction, and 0.7 mi downstream from bridge on State Highway 615.	4.32	1993-98	7- 2-99	2.93
02012500 Jackson River	James River	Lat 37°52'36", long 79°58'39", Alleghany County, at Smith Bridge, 0.8 mi south of Falling Spring, and 1.6 mi downstream from Falling Spring Creek.	411	1925-98	10- 5-98 4- 7-99 7-28-99 8-17-99	194 301 317 298
02015300 Wilson Creek [a]	Jackson River	Lat 37°50'37", long 79°48'01", Alleghany County, at Tukes Trailer Court discharge, 1.5 mi northwest of Longdale, and 2.5 mi upstream from mouth.	28.34	1995-98	10-27-98 5-21-99 7-19-99 8-18-99	.921 21.2 .204 .083
02015600 Cowpasture River	James River	Lat 38°19'30", long 79°26'14", Highland County, on left downstream wingwall of bridge on U.S. Highway 250, 1.2 mi west of Head Waters, and 3 mi upstream from Shaw Fork.	11.3	1995-98	4-28-99	4.71
02018810 Crooked Run [a]	North Fork	Lat 37°30'44", long 79°55'40", Botetourt County, at Camp Fincastle Lake outfall, 0.3 mi downstream from Woodville Spring, and 2.8 mi northwest of Fincastle.	-	1998	5-21-99 8-18-99	.663 .316
02018850 Borden Creek [a]	Catawba Creek	Lat 37°32'17", long 79°54'24", Botetourt County, 0.7 mi downstream from culvert on State Highway 666, 1.0 mi upstream from confluence with Sukey Johnson Branch, and 1.6 mi west of Flatwoods.	-	1997-98	5-21-99 8-18-99	1.33 .220
02021110 Brattons Run [a]	Calfpasture River	Lat 37°58'07", long 79°30'17", Rockbridge County, 200 ft upstream from bridge on State Highway 39, 0.7 mi southwest of Goshen, and 1.0 mi downstream from bridge on State Highway 780.	28.86	1991-98	10-27-98	1.08
02021400 Unnamed tributary [a]	Byrd Spring Creek tributary	Lat 38°02'26", long 79°23'12", Augusta County, at Castaline Trout Farm - Craigsville, 0.3 mi upstream from State Highway 683, and 2.7 mi south of Craigville.	0.38	1994-98	10-27-98	1.42
02021670 Cedar Grove Branch Creek [a]	Cedar Grove Branch	Lat 37°53'32", long 79°18'49", Rockbridge County, 1.6 mi northwest of Fairfield, 1.9 mi upstream from culverts on State Highway 712, and 3.3 mi upstream from mouth.	1.75	1998	5- 7-99 6-29-99	.493 .250
02023390 Moores Creek [a]	South River	Lat 37°55'57", long 79°13'52", Rockbridge County, at Wilco Travel Plaza, 200 ft upstream from State Highway 917 and 0.3 mi south of Raphine.	0.70	1994-98	7-21-99	.191

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DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at special study and miscellaneous sites during water year 1999--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
JAMES RIVER BASIN--Continued						
02023395 Moores Creek [a]	South River	Lat 37°54'57", long 79°14'10", Rockbridge County, at Raphine Motel sewage treatment plant, 0.6 mi upstream from bridge on U. S. Highway 11, and 1.5 mi south of Raphine.	2.46	1994-98	7-21-99	1.11
02023410 Marl- brook Creek [a]	South River	Lat 37°52'59", long 79°16'57", Rockbridge County, 30 ft up- stream from culvert on U.S. Highway 11, 500 ft downstream from culvert on State Highway 613, and at Fairfield.	1.38	1998	5- 7-99 6-29-99	.717 .282
02024208 Indian Gap Run [a]	Maury River	Lat 37°43'38", long 79°21'38", Rockbridge County, at Buena Vista City 600 ft upstream from mouth, and 0.2 mi downstream from culvert on U.S. Highway 501.	4.57	1995-98	5- 7-99 7-21-99	.471 .210
02025610 Harris Creek [a]	James River	Lat 37°32'53", long 79°08'30", Amherst County, at Old Dominion Job Corps discharge, 0.9 mi up- stream from confluence with Fall- ing Rock Creek, and 2.5 mi north- west of Faulconerville.	11.4	1995-98	10- 1-98 5-20-99 8-10-99	2.09 4.51 .379
02025680 Unnamed tribu- tary [a]	Harris Creek	Lat 37°28'43", long 79°08'11", Amherst County, at bridge on private road, 100 ft upstream from Ivanhoe Forest Subdivision sewage treatment plant, and 1.4 mi south of Monroe.	0.50	1993-98	10- 1-99 5-20-99 8-10-99	.113 .146 .077
02025850 Ivy Creek [a]	Blackwater Creek	Lat 37°23'36", long 79°18'35", Bedford County, 100 ft down- stream from Ivy Hill Lake, 2.1 mi upstream from State Highway 662, and 2.7 mi northeast of Norwood.	9.68	1994-98	10- 1-98 5-20-99 8-12-99	1.46 5.33 .040
02025890 Unnamed tribu- tary [a]	Tussocky Creek	Lat 37°17'55", long 79°09'04", Campbell County, at Evergreen Mobile Home Park, 1.0 mi up- stream from confluence with tributary from Willow Lake, and 2.8 mi southeast of City Farm.	0.20	1996-98	5- 5-99 7- 7-99 8-24-99	.046 0 0
02025970 Wreck Island Creek [a]	James River	Lat 37°28'52", long 78°53'43", Appomattox County, 50 ft up- stream from Appomattox Line Company discharge, 2.0 mi downstream from bridge on State Highway 683, and 3.0 mi south of Riverville.	56.11	1993-98	5- 5-99 7- 7-99 8-24-99	28.8 8.98 7.49
02028480 Unnamed tribu- tary [a]	South Fork Rockfish River	Lat 37°54'16", long 78°57'51", Nelson County, 200 ft upstream from Wintergreen Mountain sewage treatment plant, 2.8 mi northeast of Love.	0.34	1993-98	7-19-99	.030

a Provided by the Virginia Department of Environmental Quality - Water Division.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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Discharge measurements made at special study and miscellaneous sites during water year 1999--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
JAMES RIVER BASIN--Continued						
02030400 Turpin Creek [a]	Slate River	Lat 37°14'19", long 78°28'50", Buckingham County, at Bucking- ham Medium Security Institute #3 discharge, 1.5 mi upstream from Peyton Creek, and 2.0 mi northwest of Dillwyn.	1.32	1994-98	6- 4-99	.417
02030755 Unnamed tribu- tary [a]	North Creek	Lat 37°45'28", long 78°15'38", Fluvanna County, at Village Nursing Center discharge, 0.2 mi south of Fork Union, and 0.5 mi upstream from mouth.	0.08	1994-98	8- 6-99	<.001
02030760 North Creek [a]	South Creek	Lat 37°45'27", long 78°15'02", Fluvanna County, 100 ft upstream from Fork Union Military Academy sewage treatment plant, at bridge on State Highway 652, and 0.8 mi southeast of Fork Union.	2.0	1990-98	6- 4-99 8- 6-99	.193 .070
02033495 Moores Creek [a]	Rivanna River	Lat 38°01'07", long 78°27'39", Albemarle County, at Regional sewage treatment plant, 0.4 mi upstream from mouth, and 0.6 mi downstream from Charlottesville city boundary.	34.64	-	8-24-99	2.43
02033390 Biscuit Run [a]	Moores Creek	Lat 37°59'57", long 78°31'09", Albemarle County, at Southwood Mobile Home Park discharge, 1.1 mi upstream from Inter- state Highway 64, 0.8 mi south of Charlottesville City limits and 1.3 mi upstream from mouth.	12.56	1994-98	10-23-98 8- 6-99	2.32 0
02033570 Shadwell Creek[a]	Rivanna River	Lat 38°01'13", long 78°25'27", Albemarle County, at Ramada Inn discharge, 0.3 mi upstream from bridge on U.S. Highway 250, and 1.6 mi west of Shadwell.	0.624	1998	5- 6-99 7-16-99 8- 6-99	.090 .021 .010
02033670 Rivanna River[a]	James River	Lat 38°00'24", long 78°24'02", Albemarle County, at bridge on State Highway 729, 0.4 mi upstream from Camp Branch, and 0.5 mi southwest of Shadwell.	-	1993, 1995, 1997-98	6- 4-99 8- 6-99	107 24.4
02033800 Mechunk Creek [a]	Rivanna River	Lat 38°59'03", long 78°18'44", Fluvanna County, at bridge on U.S. Highway 250, 5.0 mi west of Zion Crossroads.	-	1941, 1951, 1953-54, 1964, 1994-98	6- 4-99 8- 6-99	2.98 .259
02038000 Falling Creek	James River	Lat 37°26'37", long 77°31'21", Chesterfield County, at bridge on State Highway 651, 2.8 mi upstream from Pocoshock Creek and 4.7 mi northwest of Ches- terfield.	32.8	1955-94†, 1996-98	4-30-99	9.79

† Operated as a continuous-record gaging station.

< Less than.

a Provided by the Virginia Department of Environmental Quality - Water Division.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at special study and miscellaneous sites during water year 1999--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
JAMES RIVER BASIN--Continued						
0203879450 Appomattox River	James River	Lat 37°22'45", long 78°49'27", Appomattox County, at bridge on State Highway 656, .5 mi south of Bobcock Cemetery, and 1.25 mi north of Appomattox.	-	-	3- 1-99	1.38
					6-29-99	.43
					9-29-99	2.97
0203880090 Plain Run Branch	Appomattox River	Lat 37°22'03", long 78°48'58", Appomattox County, .5 mi south of State Highway 24, and .75 mi northwest of Appomattox.	-	-	3- 2-99	.14
					6-29-99	.08
					9-30-99	2.72
0203880175 Plain Run Branch	Appomattox River	Lat 37°22'50", long 78°47'21", Appomattox County, .05 mi east of State Highway 24, 2.25 mi northeast of Appo- mattox, and 2.5 mi south southeast of Vera.	-	-	3- 2-99	1.28
					6-29-99	.36
					9-30-99	14.8
0203880250 Appomattox River	James River	Lat 37°23'01", long 78°46'52", Appomattox County, .5 mi downstream of State Highway 24, 2.0 mi south southwest of Vera, and 2.5 mi northeast of Appomattox.	-	-	3- 1-99	6.76
					6-29-99	1.92
					9-29-99	16.1
02040500 Flat Creek	Appomattox River	Lat 37°23'37", long 78°03'45", Amelia County, at bridge on State Highway 681, 0.5 mi downstream from Horsepen Creek, and 6.0 mi northwest of Amelia.	73.0	1947-78, 1952-54, 1971-72, 1977, 1981-85, 1987-89, 1992, 1996-98	5- 5-99	.73
02040590 Nibbs Creek [a]	Flat Creek	Lat 37°22'02", long 77°59'33", Amelia County, 150 ft upstream from Courthouse Branch, 0.2 mi downstream from bridge on State Highway 681, and 1.8 mi north of Amelia Courthouse.	15.51	1997-98	5-13-99	3.00
					6- 8-99	1.46
					8-10-99	.040
02041630 Upper Appomattox Canal [a]	Appomattox River	Lat 37°13'18", long 77°30'12", Dinwiddie County, downstream of Lake Chesdin dam, 1.5 mi west of Matoaca, 1.7 mi up- stream from State Highway 600, and 5.2 mi west of Peters- burg.	-	1971-79	6-29-99	38.1
					8-23-99	7.86
02041700 Cattail Run [a]	Appomattox River	Lat 37°12'58", long 77°26'39", Dinwiddie County, at Peters- burg, 500 ft upstream from U.S. Highway 1 and 460, and 0.7 mi upstream from mouth.	8.61	1993-98	5-21-99	1.22
02041745 Poor Creek	Appomattox River	Lat 37°12'56", long 77°22'29", Petersburg City, 100 ft up- stream from Siege Road, 2.8 mi southwest of entrance to Petersburg National Battle- field, and 1.5 mi west of Fort Lee.	-	1998	12- 9-98	1.21
					2-10-99	.13
					6-23-99	.03

a Provided by the Virginia Department of Environmental Quality - Water Division.

Discharge measurements made at special study and miscellaneous sites during water year 1999--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
JAMES RIVER BASIN--Continued						
02041748 Poor Creek	Appomattox River	Lat 37°13'49", long 77°22'32", Petersburg City, 0.5 mi west of Siege Road, 2.0 mi south- west of entrance to Petersburg National Battlefield, and 2.0 mi west of Fort Lee.	-	1998	12- 8-98	.07
					12-10-98	.65
					6-23-99	.13
02041758 Harrison Creek	Appomattox River	Lat 37°13'58", long 77°21'50", Petersburg City, 75 ft down- stream from Siege Road, 1.3 mi southwest of entrance to Petersburg National Battle- field, and 1.0 mi west of Fort Lee.	-	1998	12- 8-98	.02
					12- 9-98	.33
					6-22-99	.12
02041760 Harrison Creek	Appomattox River	Lat 37°14'25", long 77°21'50", Petersburg City, 100 ft down- stream of State Highway 36, 0.5 mi west of entrance to Petersburg National Battle- field, and 1.0 mi west of Fort Lee	-	1998	12- 8-98	.14
					12- 9-98	.58
					6-22-99	.18
02041790 Harrison Branch [a]	Appomattox River	Lat 37°15'45", long 77°21'22", Prince George County, at Red Hill Mobil Home Park, 1.1 mi upstream from mouth, 1.8 mi west of Jefferson Park, and 3.0 mi east of Colonial Heights.	1.28	1996-98	5-13-99	.125
					8-16-99	.046
02042075 Bailey Creek [a]	James River	Lat 37°14'43", long 77°19'34", Prince George County, at Fort Lee Military Reservation, 0.7 mi upstream from bridge on State Highway 630, and 1.2 mi south of Jefferson Park.	-	1995-98	5-21-99	.492
					8-16-99	.193
02042250 Bailey Branch tributary	Bailey Branch	Lat 37°10'29", long 76°59'13", Surry County, at culvert on State Highway 10, 1.0 mi northwest of Sring Grove.	0.71	1968-70, 1992, 1996-98	4-26-99	.482
02042400 Jordans Branch	Upham Brook	Lat 37°35'10", long 77°29'55", Henrico County, at bridge on U.S. Highway 250 (Broad Street) at Richmond, and 2.0 mi upstream from mouth.	2.53	1984-85, 1989-90, 1996-98	4-28-99	.607
CHOWAN RIVER BASIN						
02044200 Falls Creek tribu- tary	Falls Creek	Lat 37°02'04", long 78°10'26", Lunenburg County, at culvert on State Highway 49, 3.6 mi upstream from Timber Swamp.	0.34	1962, 1969-71, 1991, 1996-97	5- 5-99	1.86
02045275 Unnamed tribu- tary [a]	Sturgeon Creek	Lat 36°51'35", long 77°50'05", Brunswick County, 0.7 mi up- stream from culvert on State Highway 642, 2.4 mi upstream from mouth and 2.8 mi east of Alberta.	1.68	1998	5-19-99	.203
					8-16-99	.175

a Provided by the Virginia Department of Environmental Quality - Water Division.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at special study and miscellaneous sites during water year 1999--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
CHOWAN RIVER BASIN--Continued						
02046265 Hatcher Run	Rowanty Creek	Lat 37°09'20", long 77°37'32", Dinwiddie County, 25 ft up- stream from State Highway 627, 1.0 mi north of Five Forks, and 12.0 mi southwest of Petersburg.	-	1998	12- 9-98	.54
					2- 9-99	3.50
					6-22-99	3.68
02050050	Blackwater River tributary	Lat 36°38'44", long 76°51'29", Suffolk City, at culvert on State Highway 272, 4.9 mi southwest of Holland, and 3.0 mi upstream from mouth.	2.76	1968-70, 1996-98	4-26-99	.307
ROANOKE RIVER BASIN						
02054660 Mason Creek [a]	Roanoke River	Lat 37°21'55", long 80°03'05", Roanoke County, at Roanoke Moose Lodge sewage treatment plant, 50 ft west of State Highway 311, and 0.9 mi west of Bennett Springs.	29.7	1993	10- 5-98	<.001
					6- 2-99	1.02
					8-11-99	<.001
02055515 Lick Run [a]	Tinker Creek	Lat 37°16'20", long 79°56'08", Roanoke City, at Roanoke, along Norfolk Avenue, 300 ft downstream from U.S. High- way 220, and 1.0 mi upstream from mouth.	5.0	1994-98	6- 2-99	7.36
					8-11-99	7.37
02056800 South Fork Blackwater River [a]	Blackwater River	Lat 37°00'39", long 80°02'53", Franklin County, at Callaway, at Callaway Elem. School sewage treatment plant discharge, and 400 ft downstream from bridge on State Highway 641.	22.17	1995, 1997-98	5-25-99	12.9
					8-17-99	1.20
02057060 Gills Creek	Blackwater River	Lat 39°06'25", long 79°43'51", Franklin County, 0.8 mi south on Jack-O-Lantern Branch Trail in Booker T. Washington National Monument, 35 ft upstream of confluence with Jack-O-Lantern Branch, 5.5 mi southeast of Burnt Chimney, and 8.0 mi south- west of Moneta.	-	1998	12- 2-98	10.8
					3- 3-99	14.1
					6-30-99	3.89
0205706010 Jack-O- Lantern Branch	Gills Creek	Lat 37°06'54", long 79°43'50", Franklin County, 0.5 mi south on Farm Trail Loop in Booker T. Washington Monument, 5.0 mi southeast of Burnt Chimney, and 7.5 mi southwest of Moneta.	-	1998	12- 1-98	.04
					3- 3-99	.08
					7- 1-99	.06
0205706020 Jack-O- Lantern tribu- tary (No.1)	Jack-O-Lantern Branch	Lat 37°06'42", long 79°43'45", Franklin County, 0.5 mi south on Jack-O-Lantern Branch Trail in Booker T. Washington National Monument, 1.0 mi south of State Highway 122, 5.0 mi southeast of Burnt Chimney, and 7.0 mi southwest of Moneta.	-	1998	12- 1-98	.10
					3- 3-99	.25
					7- 1-99	.14
0205706030 Jack-O- Lantern Branch	Gills Creek	Lat 37°06'24", long 79°43'50", Franklin County, 0.8 mi south on Jack-O-Lantern Branch Trail in Booker T. Washington National Monument, 40 ft upstram of con- fluence with Gills Creek, 5.5 mi southwest of Burnt Chimney, and 8.0 mi southwest of Moneta.	-	1998	12- 1-98	.35
					3- 3-99	.56
					7- 1-99	.25

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a Provided by the Virginia Department of Environmental Quality - Water Division.

Discharge measurements made at special study and miscellaneous sites during water year 1999--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
ROANOKE RIVER BASIN--Continued						
02057650 Pigg River [a]	Roanoke River	Lat 36°59'01", long 79°52'53", Franklin County, 500 ft upstream from Ronile Incorporated discharge, 0.4 mi downstream from bridge on Business Route 220, and 0.9 mi south of Rocky Mount.	68.8	1993-97	8-17-99	7.06
02057695 Unnamed tributary [a]	Powder Mill Creek	Lat 37°00'32", long 79°53'29", Franklin County, at Rocky Mount, 800 ft east of Main Street, and 0.25 mi upstream from culvert on State Street.	-	1998	5-25-99 8-17-99	.013 0
02059440 Unnamed tributary [a] (No.1)	South Fork Goose Creek	Lat 37°23'52", long 79°45'08", Bedford County, at Woodhaven discharge, 200 ft upstream from culvert on State Highway 697, and 1.5 mi east of Villamont.	0.31	1996-98	8-12-99	.386
02060900 Roaring Run [a]	Big Otter River	Lat 37°24'28", long 79°24'11", Bedford County, at Gunnoe Sausage discharge, 500 ft upstream from bridge on State Highway 643, and 0.3 mi south of Cifax.	0.70	1994-98	10- 1-98 8-12-99	.090 .021
02061460 Buffalo Creek [a]	Big Otter River	Lat 37°18'18", long 79°17'24", Campbell County, 300 ft upstream from bridge on U.S. Highway 460, and 0.5 mi northwest of New London.	5.86	1993-98	10- 1-98 5-20-99 8-10-99	1.66 2.27 .409
02063780 Mollys Creek [a]	Falling River	Lat 37°16'24", long 79°05'58", Campbell County, at Rustburg sewage treatment plant, 0.28 mi south of intersection of U.S. Highway 501 and State Highway 24, and at Rustburg.	.158	-	5- 5-99 7- 7-99 8-24-99	.121 .046 .040
02063800 Mollys Creek [a]	Falling River	Lat 37°12'05", long 79°03'18", at Thousand Trails sewage treatment plant discharge, 0.7 mi upstream from bridge on State Highway 654, and 2.7 mi southeast of Winfall.	13.92	1995-98	*9-21-98 5-20-99 8-10-99	2.64 4.36 .212
02065010 Phelps Creek [a]	Falling River	Lat 37°04'06", long 78°57'06", Campbell County, 500 ft downstream from Brookneal Reservoir, 0.3 mi upstream from mouth, and 1.5 mi north of Brookneal.	3.95	1995, 1997-98	*9-21-98 5-20-99 8-10-99	.972 1.81 .497
02072530 Blackberry Creek [a]	Smith River	Lat 36°44'42", long 80°04'48", Henry County, at Fairway Acres discharge, 500 ft upstream from bridge on State Highway 687, and 2.0 mi northeast of Sandville.	3.94	1997-98	5-25-99 8-17-99	2.55 .696
02075091.25 Unnamed tributary [a]	Hogans Creek	Lat 36°32'30", long 79°22'22", Pittsylvania County, at Goodyear Tire and Rubber plant discharge, 0.4 mi upstream from bridge on State Highway 736, 1.1 mi southeast of Danville City limits, and 1.5 mi upstream from mouth.	0.89	1994-98	5-26-99 8-18-99	.316 .018

* Not previously published.

a Provided by the Virginia Department of Environmental Quality - Water Division.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at special study and miscellaneous sites during water year 1999--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
ROANOKE RIVER BASIN--Continued						
02075191	Dan River	Lat 36°36'00", long 79°19'34", Pittsylvania County, 0.3 mi downstream from bridge on State Highway 730, and 1.7 mi west of Ringgold.	3.94	1997-98	5-26-99 8-18-99	1.66 .436
02075350	Dan River	Lat 36°34'50", long 79°11'20", Halifax County, at culvert on U.S. Highway 58, 1.1 mi east of Halifax-Pittsylvania county line, 8.8 mi southwest of Turbeville, and 0.8 mi up- stream from mouth.	0.28	1993, 1996, 1998	10- 7-98	.03
02076100	Banister River	Lat 36°46'18", long 79°32'52", Pittsylvania County, 0.4 mi downstream from bridge on State Highway 815, 1.3 mi upstream from mouth, and 2.8 mi northeast of Swan- sonville.	3.75	1993-95, 1997-98	5-26-99 8-18-99	1.22 .184
02076280	White Oak Creek	Lat 36°44'40", long 79°23'48", Pittsylvania County, at Vulcan Materials Company discharge, 0.6 mi south of Dry Fork, and 0.7 mi upstream from bridge on State Highway 718.	2.42	1994-95, 1997-98	5-26-99 8-18-99	.361 0
02076340	Banister River	Lat 36°48'21", long 79°22'44", Pittsylvania County, 50 ft upstream from Tanyard Branch 0.8 mi downstream from bridge on U.S. Highway 29, and 1.7 mi southeast of Chatham.	36.18	1993-95, 1997	8-18-99	3.11
02076350	Cherrystone Creek	Lat 36°48'23", long 79°22'44", Pittsylvania County, at mouth, 0.8 mi downstream from culvert on U.S. Highway 29, and 1.7 mi southeast of Chatham.	2.11	1993-95, 1997	8-18-99	.125
02076700	Allen Creek	Lat 36°56'40", long 79°09'56", Pittsylvania County, at cul- vert on State Highway 40, 1.5 mi east of Mt. Airy, and 3.5 mi upstream from mouth.	3.44	1968, 1970-72, 1987, 1990, 1996-97	2- 2-99	1.57
YADKIN RIVER BASIN						
02113540	Birds Branch	Lat 36°38'18", long 80°32'05", Patrick County, at Doe Run Lodge discharge, 0.25 mi south of Pilot Mtn. Overlook, and 3.0 mi north- west of Ararat.	.04	1995-98	8- 5-99	.059
02113541	Birds Branch	Lat 36°38'16", long 80°32'30", Patrick County, at Groundhog Mtn. Resort discharge, 0.45 mi southwest of Pilot Mtn. Overlook, and 3.1 mi north- west of Ararat.	-	1995-98	8- 5-99	.035

a Provided by the Virginia Department of Environmental Quality - Water Division.

Discharge measurements made at special study and miscellaneous sites during water year 1999--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
KANAWHA RIVER BASIN						
03162705	New River	Lat 36°36'08", long 81°20'22", Grayson County, 0.2 mi downstream from bridge on State Highway 728, 0.3 mi north of Oak Hill, and 1.6 mi upstream from mouth.	1.54	1995, 1997-98	10- 6-98 6- 8-99	.250 .200
03162852	New River	Lat 36°36'01" long 81°06'41", Grayson County, at Independence sewage treatment plant, 200 ft upstream from State Highway 697, and 2.7 mi southeast of Independence.	-	1993-95, 1997-98	10- 6-98	3.64
03163480	Elk Creek	Lat 36°43'27", long 81°10'45", Grayson County, at Perry Manufacturing sewage treatment plant, 0.2 mi north of Elk Creek, and 0.3 mi upstream from bridge on State Highway 659.	2.31	1994-95, 1997-98	10- 6-98	.912
03164100	New River	Lat 36°42'28", long 81°02'11", Grayson County, 0.5 mi upstream from bridge on State Highway 648, 1.3 mi northwest of Providence, and 2.5 mi southwest of Stevens Creek.	0.32	1995, 1997-98	10- 6-98 6- 8-99	.240 .191
03166100	New River	Lat 36°50'17", long 80°55'00", Wythe County, 100 ft east of State Highway 636, 0.6 mi upstream from culvert on State Highway 69, and 0.9 mi south of Austinville.	-	1993-98	10- 7-98 6- 9-99	.083 .271
0316612010	Buddle Unnamed tributary [a] (No.1)	Lat 36°51'21", long 80°54'18", Wythe County, 10 ft upstream from confluence with Buddle Branch, 0.6 mi northeast of Austinville.	-	1997-98	10- 7-98 6- 9-99	.696 .693
03167100	Reed Creek	Lat 36°57'58", long 80°51'07", Wythe County, at I-81 Auto & Truck Stop sewage treatment plant discharge, at exit 86, and 2.8 mi northeast of Grahams Forge.	0.12	1995-98	10- 5-98 7-27-99	.002 .001
03167150	New River	Lat 36°41'20", long 80°31'42", Carroll County, at Olde Mill Golf Resort, 0.2 mi downstream from bridge on State Highway 618, and 2.1 mi south of Laurel Fork.	20.2	1994-98	10- 6-98 6- 8-99 9- 2-99	13.7 14.2 13.0
03167300	Mira Fork tributary	Lat 36°50'16", long 80°35'47", Carroll County, at culvert on U.S. Highway 221, 1.3 mi upstream from mouth, and 2.2 mi northeast of Dugspur.	.62	1968-71, 1992, 1993	6- 4-99	.671
03167600	East Fork Unnamed tributary [a] (No.1)	Lat 36°40'00", long 80°41'43", Carroll County, at Lakeview Motel sewage treatment plant discharge, at Fancy Gap, and 1.1 mi upstream from mouth.	0.13	1995-98	10- 6-98 6- 9-99 8- 5-99	.035 .030 .030

a Provided by the Virginia Department of Environmental Quality - Water Division.

b Provided by both the U.S. Geological Survey and Virginia Department of Environmental Quality - Water Division.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at special study and miscellaneous sites during water year 1999--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements		
					Date	Discharge (ft ³ /s)	
KANAWHA RIVER BASIN--Continued							
03167608	Reed Island East Fork Creek	Lat 36°40'27", long 80°42'42", Carroll County, at Days Inn discharge, 200 ft upstream from I-77, and 1.2 mi north east of Fancy Gap.	3.21	1996-98	10- 6-98 6- 9-99	2.58 3.98	
03167610	East Fork Unnamed tribu- tary [a]	Little Reed Island Creek Tributary (No.2)	Lat 36°40'26", long 80°41'42", Carroll County, at Utts Campground discharge, at culvert on U.S. Highway 52, and 0.5 mi north of Fancy Gap.	0.15	1995-98	10- 6-98 6- 9-99 8- 5-99	.035 .030 .024
03168450	New River Peak Creek [a]	Lat 37°02'50", long 80°47'32", Pulaski County, at Pulaski, 600 ft downstream from bridge on State Highway 610, and 0.4 mi upstream from Tract Fork.	-	1995, 1997-98	8-11-99 8-31-99	.034 2.30	
03168480	Peak Creek Tract Fork [a]	Lat 37°02'50", long 80°47'14", Pulaski County, at Pulaski, 100 ft upstream from mouth, and 1.9 mi downstream from Harbison Branch.	25.55	1994-95, 1998	8-11-99 8-31-99	.370 .983	
03168750	Peak Creek Thorne Springs Branch	Lat 37°05'30", long 80°44'34", Pulaski County, at pond dam, just upstream from U.S. High- way 11, and 3.3 mi southwest of Dublin.	4.77	-	6- 4-99	.304	
03169220	West Fork Dodd Creek [a]	Lat 36°54'38", long 80°20'20", Floyd County, at Floyd sewage treatment plant, 900 ft down- stream from bridge on U.S. Highway 221, and 0.8 mi west of Floyd.	19.25	1996-98	10- 5-98 6- 8-99 9- 2-99	14.8 11.4 6.63	
03171170	New River Crab Creek [a]	Lat 37°09'26", long 80°28'15", Montgomery County, at Town of Christiansburg discharge, 200 ft upstream from culvert on State Highway 660, and 3.9 mi northwest of Christiansburg.	13.79	1995, 1997-98	10- 5-98 6- 8-99 9- 2-99	4.97 5.54 3.96	
03171690	Crab Orchard Unnamed tribu- tary [a]	Crab Orchard Creek	Lat 37°06'08", long 81°06'45", Bland County, at Bland Com- bined School sewage treatment plant, 0.3 mi upstream from bridge on State Highway 605, and 0.3 mi east of Bland.	1.56	1994-97	8-31-99	<.001
03171700	Walker Creek Crab Orchard Creek [a]	Lat 37°05'36", long 81°06'37", Bland County, 0.4 mi down- stream from bridge on State Highway 605, 0.7 mi southeast of Bland.	15.91	1993-98	8-31-99	1.16	
03171950	Walker Creek Kimberling Creek [a]	Lat 37°09'55", long 80°54'00", Bland County, at bridge on State Highway 42, 0.8 mi downstream from Dismal Creek, and 2.4 mi northeast of Mechanicsburg.	57.54	1941-42, 1951-55, 1993-97	8-31-99	3.63	
03174580	Wolf Creek Hunting Camp Creek [a]	Lat 37°09'25", long 81°08'55", Bland County, at GIV Inc. dis- charge, 0.3 mi north of Bastian, and 1.1 mi upstream from mouth.	29.8	1995, 1997-98	10- 5-98 8-31-99	.888 .077	

< Less than.

a Provided by the Virginia Department of Environmental Quality - Water Division.

Discharge measurements made at special study and miscellaneous sites during water year 1999--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
KANAWHA RIVER BASIN--Continued						
03174600 Wolf Creek [a]	New River	Lat 37°10'38", long 81°09'10", Bland County, at Kegley Manor sewage treatment plant dis- charge, 0.4 mi upstream from U.S. Highway 21 and 52, 0.8 mi upstream from Hunting Camp Creek, and 1.7 mi north of Bastian.	99.0	1994-95, 1997-98	10- 5-98	8.44
					8-31-99	3.33
BIG SANDY RIVER BASIN						
03207227 Right Fork [a]	Garden Creek	Lat 37°10'02", long 82°00'53", Buchanan County, at Skeggs, 600 ft upstream from Skeggs Branch, and 1.5 mi south of Mount Heron.	12.0	1995-98	10-28-98	1.02
03207350 Levisa Fork [b]	Big Sandy River	Lat 37°14'21", long 82°04'02", Buchanan County, at Oakwood sewage treatment plant, 0.1 mi downstream from Laurel Branch, and 1.8 mi east of Vansant.	177	1993-98	10-28-98	20.0
03208040 Russell Fork	Levisa Fork	Lat 37°04'41", long 82°03'56", Buchanan County, at bridge on State Highway 80, 750 ft downstream from Ball Creek, 0.6 mi southeast of Council, and 4.7 mi upstream from Hurricane Creek.	10.2	1981-83, 1992, 1994	5-26-99	6.59
03208340 McClure Creek [a]	McClure River	Lat 37°01'03", long 82°17'46", Dickenson County, 100 ft west of State Highway 63, 0.2 mi downstream from Trammel Branch, and 0.3 mi northwest of Trammel.	4.02	1994-98	10-29-98	.534
03208364 McClure Creek [a]	McClure River	Lat 37°04'04", long 82°20'40", Dickenson County, at Ervinton Elementary School sewage treat- ment plant, 0.2 mi upstream from bridge on State Highway 652, 0.2 mi upstream from Open Fork, and 0.3 mi southeast of Nora.	22.0	1994-98	10-29-98	4.53
03208368 Spring Fork [a]	Open Fork	Lat 37°02'59", long 82°21'36", Dickenson County, 400 ft up- stream from confluence with Open Fork, 1.6 mi southeast of Nora.	5.18	1998	10-29-98 8- 3-99	.774 .677
03208700 North Fork Pound River	Pound River	Lat 37°07'32", long 82°37'36", Wise County 700 ft down- stream from Stacy Branch, 1,600 ft downstream from North Fork Pound River dam, and at Pound.	18.5	1963-98	10- 7-98 11-18-98 6-29-99	9.62 7.84 1.17
03208800 Pound River	Russell Fork	Lat 37°07'26", long 82°36'29", Wise County, 1,600 ft down- stream from confluence of North and South Forks, 0.5 mi upstream from U.S. Highway 23, 0.7 mi upstream from Indian Creek, and at Pound.	36.7	1966-81, 1984-98	10- 7-98 11-18-98 6-29-99 8-18-99	18.3 20.1 13.2 5.81

a Provided by the Virginia Department of Environmental Quality - Water Division.

b Provided by both the U.S. Geological Survey and Virginia Department of Environmental Quality - Water Division.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at special study and miscellaneous sites during water year 1999--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
BIG SANDY RIVER BASIN--Continued						
03208900 Pound River	Russell Fork	Lat 37°09'51", long 82°31'30", Dickenson County, 50 ft up- stream from State Highway 624, 150 ft upstream from Camp Creek, and 2.6 mi northwest of Georges Fork.	82.5	1964-98	10- 7-98	30.7
					2-23-99	84.5
					6-29-99	24.3
					8-19-99	12.0
0320890475 Laurel Creek [a]	Georges Fork	Lat 37°08'02", long 82°29'25", Dickenson County, 1.1 mi south of Georges Fork, 1.4 mi upstream from mouth.	0.189	1997-98	10-28-98	.021
					8- 3-99	<.001
0320890485 Georges Fork [a]	Pound River	Lat 37°09'01", long 82°29'25", Dickenson County, 50 ft down- stream from Laurel Creek, 300 ft downstream from bridge on State Highway 83, and 0.2 mi northwest of Georges Fork.	5.57	1994-98	10-28-98	1.58
					8- 3-99	.960
03209200 Russell Fork	Levisa Fork	Lat 37°14'45", long 82°19'25", Dickenson County, at bridge on State Highway 611, 0.2 mi downstream from Pound River, and at Bartlick.	526	1963-98	10- 7-98	94.7
					6-29-99	126
					8-19-99	128
03213590 Knox Creek	Tug Fork	Lat 37°27'02", long 82°03'34", Buchanan County, on State Highway 697, 0.3 mi down- stream from Pawpaw Creek, and 0.8 mi northwest of Kelsa.	84.3	1980-81, 1989, 1992-94	6-28-99	35.1
TENNESSEE RIVER BASIN						
03472200 Big Laurel Creek [a]	Whitetop Laurel Creek	Lat 36°41'15", long 81°32'54", Smyth County, at Grindstone Recreation Area sewage treat- ment plant, 0.1 mi upstream from bridge on State Highway 603, and 1.9 mi north of Mt. Rogers.	0.53	1994-95, 1997-98	10- 6-98	.025
					6- 8-99	.217
03473840 Unnamed tribu- tary [a]	Hungry Mother Creek	Lat 36°52'20", long 81°30'42", Smyth County, at Hungry Mother State Park Campground D sewage treatment plant, 400 ft down- stream from bridge on park road, and 2.7 mi north of Marion.	2.17	1993-95, 1998	10- 7-98	.129
					8- 2-99	.546
03475595 East Fork Cedar Creek [a]	Cedar Creek	Lat 36°44'58", long 81°51'26", Washington County, at Meadowview Elem. School sewage treatment plant, 0.1 mi north of Cedarville.	--	1995, 1997-98	10- 7-98	.659
					8- 2-99	.902
03475600 Cedar Creek	Middle Fork Holston River	Lat 36°44'50", long 81°51'20", Washington County, at culvert on U.S. Highway 11, 1.2 mi south of Meadowview, and 2.5 mi upstream from mouth.	3.38	1969, 1990, 1992-94, 1998	5-27-99	2.58
03475605 Greenway Creek [a]	Middle Fork Holston River	Lat 36°44'51", long 81°53'13", Washington County, at Washington County Industrial Park sewage treatment plant, 400 ft down- stream from bridge on State Highway 694, and 5.9 mi north east of Abingdon.	1.75	1993-95, 1997	9- 1-99	.868

< Less than.

a Provided by the Virginia Department of Environmental Quality - Water Division.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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Discharge measurements made at special study and miscellaneous sites during water year 1999--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
TENNESSEE RIVER BASIN--Continued						
03487800 Lick Creek	North Fork Holston River	Lat 36°57'44", long 81°28'21", Smyth County, 270 ft upstream from bridge on State Highway 42, 1.6 mi upstream from mouth, and 2.9 mi northeast of Chatham Hill.	25.5	1966-68 1990, 1992, 1994, 1998	2-11-99	19.2
03488450 Brumley Creek	North Fork Holston River	Lat 36°47'30", long 82°01'10", Washington County, at bridge on State Highway 611, 0.2 mi upstream from mouth, 0.8 mi southeast of Brumley Gap, and 2.7 mi downstream from Lee Creek.	21.1	1979-81, 1982-85, 1992, 1994, 1998	1-21-99 1-21-99	61.8 54.1
03488490 Canoe Branch[a]	North Fork Holston River	Lat 36°45'12", long 82°02'42", Washington County, at Greendale Elementary School discharge, 2.4 mi upstream from mouth, and 2.4 mi southeast of Holston.	0.05	1997-98	10-30-98 9- 1-99	<.001 .001
03489860 Hilton Creek [a]	North Fork Holston River	Lat 36°39'12", long 82°27'50", Scott County, at Hilton Elementary School sewage treatment plant, 0.2 mi south- east of Hilton, and 0.4 mi upstream from mouth.	1.05	1993-95, 1997-98	10- 7-98 8- 3-99	.181 .639
03489867 Unnamed tribu- tary [a] (No.8)	North Fork Holston River	Lat 36°38'24", long 82°29'33", Scott County, at Brickyard Gap, 300 ft upstream from bridge on State Highway 896, 0.3 mi upstream from mouth, and 1.7 mi southwest of Hilton.	2.95	1998	10- 7-98 8- 3-99	0 2.51
03489950 Unnamed tribu- tary [a] (No.1)	Little Moccasin Creek	Lat 36°38'13", long 82°40'00", Scott County, 400 ft upstream from culvert on State Highway 870, 600 ft upstream from mouth, and 3.1 mi northeast of Kermit.	0.20	1997-98	10-28-98 8- 3-99	.037 .071
03490020 Cate Branch [a]	Possum Creek	Lat 36°36'58", long 82°37'47", Scott County, at Yuma Elementary School sewage treatment plant, 300 ft upstream from culvert on State Highway 713, and 0.9 mi west of Yuma.	0.42	1993-95, 1997	10- 7-98 8- 3-99	.030 .070
03521500 Clinch River	Tennessee River	Lat 37°05'10", long 81°46'52", Tazewell County, 1.0 mi south- east of Richlands, 1.7 mi downstream from Indian Creek.	137	1945-98	5-27-99	83.0
03521550 Big Creek [a]	Clinch River	Lat 37°09'14", long 81°47'02", Tazewell County at Seaboard No.2 Mine discharge, at mouth of Wildcat Hollow, and 0.6 mi southeast of Coalidan.	3.86	1997-98	10-29-98 8- 4-99	.083 .142
03523000 Big Cedar Creek [b]	Clinch River	Lat 36°54'29", long 82°02'20", Russell County, 800 ft upstream from Roaring Spring Creek, 1.3 mi downstream from Burgess Creek, 1.9 mi upstream from Little Cedar Creek, and 2.3 mi east of Lebanon.	51.5	1953-59† 1991	9- 1-99	5.19

† Operated as a continuous-record gaging station.
< Less than.

a Provided by the Virginia Department of Environmental Quality - Water Division.

b Provided by both the U.S. Geological Survey and Virginia Department of Environmental Quality - Water Division.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at special study and miscellaneous sites during water year 1999--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
TENNESSEE RIVER BASIN--Continued						
03523050 Big Cedar Creek [a]	Clinch River	Lat 36°55'19", long 82°03'10", Russell County, at Lebanon sewage treatment plant, 200 ft downstream from Little Cedar Creek, and 2.1 mi north-east of Lebanon.	-	1993-95, 1997-98	9- 1-99	8.90
03524018 Hurricane Fork [a]	Dumps Creek	Lat 36°59'06", long 82°10'58", Russell County, 0.6 mi downstream from Laurel Branch, 1.1 mi upstream from the mouth, and 1.6 mi north of South Clinchfield.	10.3	1995-98	10-30-98 8- 4-99	.230 .396
03524025 Dumps Creek [a]	Clinch River	Lat 36°57'23", long 82°10'46", Russell County, 300 ft downstream from Millstone Branch, 0.5 mi south of South Clinchfield, and 2.0 mi upstream from mouth.	20.9	1995-98	10-30-98 8- 4-99	9.28 3.13
03524596 Corder Branch [a]	Little Stony Creek	Lat 36°53'04", long 82°27'51", Wise County, 100 ft downstream from Ramey Branch, 0.6 mi upstream from mouth, and 4.1 mi south of Coeburn.	3.55	1995, 1997-98	9- 1-99	0
03524900 Stony Creek	Clinch River	Lat 36°48'57", long 82°37'02", Scott County, at Ka, 300 ft upstream from bridge on State Highway 619, 600 ft downstream from Straight Fork, and 4.2 mi upstream from mouth.	30.9	1979-85, 1994	6-24-99	2.04
03526000 Copper Creek	Clinch River	Lat 36°40'26", long 82°33'57", Scott County, at old bridge abutment 50 ft upstream from bridge on State Highway 619, 0.2 mi upstream from Plank Camp Creek, 1.1 mi downstream from Obeys Creek, and 2.6 mi northeast of Gate City.	106	1948-72, 1983-84, 1994	10- 2-98 10- 2-98	25.1 24.7
03527505 Unnamed tributary [a] (No.7)	North Fork Clinch River	Lat 36°42'40", long 82°47'15", Scott County, at Empire Mobile Home Park sewage treatment plant discharge, 0.6 mi upstream from mouth, and 0.7 mi southeast of Duffield.	1.91	1995, 1997-98	10-28-98 8- 3-99	.051 .220
03529420 Callahan Creek [a]	Powell River	Lat 36°55'03", long 82°47'29", Wise County, at Interstate R/R discharge, 0.6 mi southeast of Andover, 0.6 mi downstream from Preacher Creek, and 1.0 mi upstream from mouth.	27.4	1995, 1997-98	10-30-98 8- 3-99	2.85 5.78
03529430 Lick Branch [a]	Pigeon Creek	Lat 36°52'55", long 82°50'00", Wise County, at confluence with Pigeon Creek, at Lower Exeter, 500 ft north of State Highway 68, and 1.5 mi west of Imbodem.	-	1997-98	10-30-98 8- 3-99	.113 .484
03531200 Station Creek [a]	Powell River	Lat 36°41'58", long 83°00'02", Lee County, at Lee County Industrial Park discharge, 1.3 mi upstream from mouth, and 2.4 mi west of Dot.	7.55	1994-95, 1997-98	10-28-98	.628

a Provided by the Virginia Department of Environmental Quality - Water Division.